ROLL NO I

OFFICIAL GAZETTE

UNITED STATES PATENT OFFICE

JULY & AUGUST 1941

VOLS. 528 & 529

MICRO-PHOTO SERVICE
BUREAU
CLEVELAND 3, OHIO

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 528

JULY

1941

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1941

Y.523
1941

CONTENTS

	Page
DECISIONS OF THE COMMISSIONER OF PATENTS, July 1, 8, 15, 22, 29	3, 245, 523, 785, 1031
TRADE-MARKS PUBLISHED AND REGISTERED, July 1, 8, 15, 22, 29	11, 253, 531, 799, 1047
REISSUES, July 1, 8, 15, 22, 29	41, —, 555, 831, 1075
PLANT PATENTS, July 1, 8, 15, 22, 29	42, —, —, 832, —
PATENTS, July 1, 8, 15, 22, 29	43, 279, 558, 833, 1077
DESIGNS, July 1, 8, 15, 22, 29	209, 489, 753, 1003, 1270

ANNOUNCEMENTS

	Page
ADVERSE DECISIONS IN INTERFERENCE	1, 521, 783
APPEALED CASES—Briefs in	243
APPLICATIONS—Condition of pending	2, 244, 522, 784, 1030
BULLETIN OF DECISIONS ON TRADE-MARKS	1044
CLASSIFICATION OF INVENTION—Changes in—*Order No. 3557*	252
DISCLAIMERS—Dirkes, Robert F., et al	243
Edgar, Robert F	243
Emerson, William J	243
Frevert, Harry L., et al	1029
Hawkinson, Paul E	521
Kennedy, Dewey M., et al	783
Lasker, William W., et al	1
McCullough, Paul J., et al	1
Parsons, Fred A	1029
Schroeder, Ernest R	243
Schuda, Ernest J	1029
Tone, Frank J	1
Wadsten, Sten	1029
Whalen, Paul E	243
Young, Henry S	521
DRAWINGS—Instructions re filing	783
ERRATUM—Patent 2,241,131—Cut omitted	521
MANUSCRIPT COPIES—Instructions re ordering	521
PATENT SUITS	8, 250, 529, 797, 1042
PATENTS—List of adjudicated	10, 243, 783, 1029
TRADE-MARK REGISTRATIONS—Cancelled	1, 243
Notice of cancellation—Gilbert, James L	1029
Howe, Margaret F	1029

TABLE OF CASES REPORTED

	Page
[a] Abercrombie, assignee of Walter E. King, v. Coe, Com. of Patents	249
*Abernathy, In re	1039
*Becker et al., In re	1040
*Crowe, In re	523
[a] Detrola Radio and Television Corporation v. Hazeltine Corporation	245
*Dowty, In re	795
*Ewald, In re	528
[a] Eppenstelner, Hillyer and The American Metal Company, Limited v. Coe, Com. of Patents	248
*Mock, In re	3
[a] Poulsen and Petersen v. Coe, Com. of Patents	1031
*Prahl et al. v. Redman	6
*Saunders v. Browne	785
[a] Schreiber v. Coe, Com. of Patents	249
*Tenney, In re	524
[a] White, In re	249

(Decisions of the U. S. Court of Appeals for the District of Columbia are indicated by the letter ([a]); of the U. S. Court of Customs and Patent Appeals by a star (*); and of the U. S. Supreme Court by the letter ([s]).)

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. B. T. Manufacturing Corp., Chicago, Ill. Air rifles. Serial No. 442,793; July 1. Class 9.

Abrams, Max, Inc., New York, N. Y. Men's clothing. Serial No. 443,316; July 1. Class 39.

Air-Way Electric Appliance Corporation, Toledo, Ohio. Apparatus for cleaning, fumigating, and controlling moths, roaches, etc. Serial No. 442,767; July 1. Class 23.

Albany Packing Company, Inc., West Albany, N. Y. Meats and meat products. Serial No. 438,063; July 1. Class 46.

Allentuck, David I., doing business as Pictorial Arts, Washington, D. C. Prints of nursery subjects. Serial No. 442,331; July 1. Class 38.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Gloves made of leather, fabric, and combinations thereof. Serial No. 440,435; July 1. Class 39.

American Laundry Machinery Company, The, Norwood Station, Cincinnati, Ohio. Drying machines for laundries. Serial No. 441,530; July 1. Class 24.

Atlantic Blade Corporation, Brooklyn, N. Y. Razors and razor blades. Serial No. 434,694; July 1. Class 23.

Atlas Supply Company. (See Gane, Charles L.)

Baker, William A., Hattiesburg, Miss. Toilet kit. Serial No. 441,562; July 1. Class 50.

Basca Manufacturing Co. Inc., Indianapolis, Ind. Exhaust mufflers. Serial No. 440,907; July 1. Class 23.

Baumritter, T., Co. Inc., New York, N. Y. Furniture. Serial No. 442,299; July 1. Class 32.

Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings. Serial No. 439,191; July 1. Class 26.

Best & Co. Inc., New York, N. Y. Dresses, coats, hats, etc. Serial No. 442,585; July 1. Class 39.

Betner, Benj. C., Co., Devon, Pa. Moisture proof linings or wrappers for paper bags. Serial No. 442,186; July 1. Class 37.

Binney & Smith Company, New York, N. Y. Carbon black for use in the rubber industry. Serial No. 442,986; July 1. Class 6.

Block Coal and Coke Company, Inc., Knoxville, Tenn. Coal. Serial No. 442,098; July 1. Class 1.

Blue Ridge Glass Corporation, Kingsport, Tenn. Glass in sheet form. Serial No. 439,924; July 1. Class 33.

Bon Marche, The. (See Allied Stores Corporation.)

Bowers Battery Mfg. Company, Inc, Reading, Pa. Spark plugs. Serial No. 442,101; July 1. Class 21.

Bragg, Paul C., doing business as Live Foods Products Co., Burbank, Calif. Dried mint leaf tea. Serial No. 441,604; July 1. Class 46.

Bristol-Meyers Company, New York, N. Y. Preparation for the care and treatment of the hair and scalp. Serial No. 442,828; July 1. Class 6.

Burrus Mills & Elevator Company. (See Tex-O-Kan Flour Mill Company.)

California Valencia Juice Company Inc., Chicago, Ill. Fruit juices and maltless beverages. Serial No. 440,910; July 1. Class 45.

Caples Company, The, Chicago, Ill.; Omaha, Nebr.; Los Angeles, Calif.; and New York, N. Y. Ladies' and children's play clothes. Serial No. 441,808; July 1. Class 39.

Centoni, Ginco, doing business as Roma Packing Company, Chicago, Ill. Butter and eggs. Serial No. 434,170; July 1. Class 46.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Piece goods made of silk, rayon, cotton, etc. Serial No. 441,762; July 1. Class 42.

Chicago Flexible Shaft Company, Chicago, Ill. Electrical appliances. Serial No. 441,695; July 1. Class 21.

Chicago Mail Order Company, Chicago, Ill. Wearing apparel for men, women, and children. Serial No. 441,725–6; July 1. Class 39.

Commercial Milling Co., Detroit, Mich. Wheat flour. Serial No. 442,307; July 1. Class 46.

Daniels, Albert A., doing business as Electrotite Company, Chicago, Ill. Adhesive tape. Serial No. 443,922; July 1. Class 5.

Doall Company, The, Minneapolis, Minn. Grinders of the machine tool type. Serial No. 429,766; July 1. Class 23.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic materials. Serial No. 439,099; July 1. Class 26.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic print rollers, light filters, range finders, etc. Serial No. 442,835; July 1. Class 26.

Eberly, John A., Mohnton, Pa. Scissors. Serial No. 438,873; July 1. Class 23.

Electrotite Company. (See Daniels, Albert A.)

Estate of McKesson & Robbins, Inc., Debtor. (See Wardell, William J.)

Factor, Max, & Co., Los Angeles, Calif. Cosmetic in the nature of a solidified cream used for a make up base. Serial Nos. 442,863–4; July 1. Class 6.

Fidelity Chemical Corporation, Houston, Tex. Complete, mixed fertilizer. Serial No. 441,905; July 1. Class 10.

Fischer & Co., Inc., New York, N. Y. Ladies' silk underwear. Serial No. 443,187; July 1. Class 39.

Florida Fruit Canners, Inc., Frostproof, Fla. Canned fruit juices. Serial No. 442,118; July 1. Class 46.

Fuld Bros., doing business as Lancaster Laboratories, Baltimore, Md. Surfacing wax. Serial No. 443,077; July 1. Class 16.

Gane, Charles L., doing business as Atlas Supply Company, Philadelphia, Pa. Steel channels for use in buildings which channels incorporated means adapted to clinch nails. Serial No. 438,072; July 1. Class 12.

Gane, Charles L., doing business as Atlas Supply Company, Philadelphia, Pa. Gypsum board units. Serial No. 438,073; July 1. Class 12.

Gifford, O. D., San Diego, Calif. Canned olives. Serial No. 443,229; July 1. Class 46.

Gluvtex Corporation, New York, N. Y. Panties and girdles. Serial No. 442,660; July 1. Class 39.

Goldsmith Bros., New York, N. Y. Gummed discs for loose leaf stationery. Serial No. 442,167; July 1. Class 37.

Goldstock, Samuel, doing business as Vitamix Company, Pittsburgh, Pa. Non-alcoholic, maltless beverage. Serial No. 442,956; July 1. Class 45.

Gorton, George E., Crawford, Nebr. Carbonated, non-alcoholic, maltless beverage. Serial No. 443,043; July 1. Class 45.

Greenspan, Cantor, Co., Inc., New York, N. Y. Spun rayon piece goods. Serial No. 441,856; July 1. Class 42.

Guggenheim, Harry F., and Alicia Patterson, Hempstead, L. I., N. Y. Newspapers. Serial No. 436,176; July 1. Class 38.

Hammermill Paper Company, Erie, Pa. Home recording discs. Serial No. 441,732; July 1. Class 36.

Hawley, Joseph W., Fort Worth, Tex. Wooden awnings. Serial No. 435,108; July 1. Class 12.

Hays, Daniel, Company, Inc., The, Gloversville, N. Y. Gloves of leather and fabric. Serial No. 424,960; July 1. Class 39.

Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls. Serial Nos. 443,767–8; July 1. Class 22.

Indian Territory Illuminating Oil Company, Bartlesville, Okla. Mechanical instrument for recording well drilling operations. Serial No. 441,020; July 1. Class 26.

Industrial Undergarment Corporation, Poughkeepsie, N. Y. Slips. Serial No. 442,131; July 1. Class 39.

Jensen, Georg, Inc., New York, N. Y. Flatware for table use, hollowware for table use, toilet ware, etc. Serial No. 434,873; July 1. Class 28.

Jensen, Georg, Inc., New York, N. Y. Flatware and hollowware for table use, toilet ware, etc. Serial No. 434,875; July 1. Class 28.

Jensen, Georg, Inc., New York, N. Y. Flatware and hollowware for table use, etc. Serial No. 434,877; July 1. Class 28.

Kabo Corset Company, Chicago, Ill. Corsets, girdles, foundations, etc. Serial No. 436,849; July 1. Class 39.

Kayser, Julius, & Co., New York, N. Y. Underwear, slips, and nightgowns. Serial No. 440,166; July 1. Class 39.

Kayser, Julius, & Co., New York, N. Y. Gloves of fabric and combinations of fabric and leather. Serial No. 442,231; July 1. Class 39.

Kelvin, Bottomley & Baird, Limited, Glasgow, Scotland. Sounding tubes. Serial No. 441,735; July 1. Class 26.

Kent Hardware Mfg. Corp., New York, N. Y. Rubber stamps. Serial No. 442,323; July 1. Class 37.

Kleinert, I. B., Rubber Company, New York, N. Y. Hats for women. Serial No. 430,776; July 1. Class 39.

Kleinert, I. B., Rubber Company, New York, N. Y. Baby pants. Serial No. 417,495; July 1. Class 39.

La Mirada Olive Company, San Francisco, Calif. Canned olives. Serial No. 443,254; July 1. Class 46.

Lancaster Laboratories. (See Fuld Bros.)

Lentheric, Incorporated, New York, N. Y. Eau de colognes, perfumes and cosmetic creams. Serial No. 442,907; July 1. Class 6.

Lewis & Locke, Inc., New York, N. Y. Leather gloves. Serial No. 440,868; July 1. Class 39.

Lindsay Ripe Olive Company, Lindsay, Calif. Canned olives. Serial No. 443,010; July 1. Class 46.

Live Foods Products Co. (See Bragg, Paul C.)

Lyman, Henry P., Fort Smith, Ark. Ash trays. Serial No. 440,170; July 1. Class 8.

Maconochie Brothers, Limited, London, England. Sauce. Serial No. 442,716; July 1. Class 46.

Mall Tool Company, Chicago, Ill. Power driven saws and flexible shafting. Serial No. 441,874; July 1. Class 23.

Many, Blanc & Co., Inc., Chicago, Ill. Brandies. Serial No. 440,658; July 1. Class 49.
Marathon Co., Attleboro, Mass. Jewelry. Serial No. 441,478; July 1. Class 28.
Marco Products. (See Market, Karl.)
Market, Karl, doing business as Marco Products, San Jose, Calif. Ointment for bovine hygiene and particularly for internal and external application on cows. Serial No. 441,800; July 1. Class 6.
Marne, V., San Diego, Calif. Foot powder. Serial No. 412,381; July 1. Class 6.
McConnell, W. C., San Benito, Tex. Fresh vegetables. Serial No. 443,511; July 1. Class 46.
Miles Laboratories, Inc., Elkhart, Ind. Vitamin tablets. Serial No. 442,796; July 1. Class 6.
Millus Shoe Company, St. Louis, Mo. Women's shoes made of leather, rubber, fabric, or combinations thereof. Serial No. 442,911; July 1. Class 39.
Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Rugs and carpets. Serial No. 442,964; July 1. Class 42.
Moore, John H., Inc., New York, N. Y. Toilet brushes. Serial No. 441,030; July 1. Class 29.
Morris, Nathan K., Asbury Park, N. J. Cake and fruit knives. Serial No. 442,070; July 1. Class 23.
National Automotive Parts Association, Detroit, Mich. Brake lining, clutch facing, pump packing, etc. Serial No. 438,368; July 1. Class 35.
National Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 442,634; July 1. Class 42.
Nickel Plate System, The, Sioux City, Iowa, and Sioux Falls, S. Dak. Sandwiches. Serial No. 440,633; July 1. Class 46.
Northern Feather Works, Inc., Newark, N. J., and Chicago, Ill. Pillows. Serial No. 438,349; July 1. Class 32.
Operadio Manufacturing Co., St. Charles, Ill. Electrical loudspeakers—parts thereof and accessories therefor. Serial No. 441,781; July 1. Class 21.
Ortho Products, Inc., Linden, N. J. Vaginal creams and jellies. Serial No. 442,850; July 1. Class 6.
Paralene Products, Inc., New York, N. Y. Water soluble cleansing cream. Serial No. 442,798; July 1. Class 6.
Parents' Institute, Inc., The, New York, N. Y. Cartoons. Serial No. 442,967; July 1. Class 38.
Parents' Institute, Inc., The, New York, N. Y. Column or section in a publication. Serial Nos. 442,968–9; July 1. Class 38.
Patterson, Alicia. (See Guggenheim, Harry F., and A. Patterson.)
Perlman, Hy, & Co. Inc., New York, N. Y. Ladies' underwear. Serial No. 443,100; July 1. Class 39.
Pictorial Arts. (See Allentuck, David I.)
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial No. 442,971; July 1. Class 46.
Pine, Morton S., Company, The, Cleveland, Ohio. Liquid detergent used in cleaning. Serial No. 441,620; July 1. Class 4.
Portland Woolen Mills, Inc., Portland, Oreg. Blankets. Serial No. 442,280; July 1. Class 42.
Quaker Oats Company, The, Chicago, Ill. Dog food. Serial No. 439,364; July 1. Class 46.
R. C. A. Manufacturing Company, Inc., Camden, N. J. Apparatus and equipment for sound film and parts thereof. Serial No. 440,706; July 1. Class 26.
Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Belts for outer wear and suspenders. Serial No. 441,178; July 1. Class 39.
Remington Arms Company, Inc., Bridgeport, Conn. Cutlery. Serial Nos. 432,099–100; July 1. Class 23.
Revlon Products Corporation, New York, N. Y. Woman's outer and undergarments. Serial Nos. 442,457–9; July 1. Class 39.
Roma Packing Company. (See Centoni, Ginco.)
Rome Cable Corporation, Rome, N. Y. Insulated electrical conductors, wires and cables, and insulating sleeving. Serial No. 442,214; July 1. Class 21.
S. L. F. Sales & Service Corp., New York, N. Y. Cleaning fluid. Serial No. 442,398; July 1. Class 4.
Santiago Development Corporation, Long Island City, N. Y. Tablets for the relief of fevers and colds. Serial No. 442,976; July 1. Class 6.
Santiago Development Corporation, Long Island City, N. Y. Headache tablets. Serial No. 442,977; July 1. Class 6.
Santiago Development Corporation, Long Island City, N. Y. Liquid medicine for malaria fever, also in tablet form. Serial No. 442,978; July 1. Class 6.
Schwarz, Gustav, Chicago, Ill. Perfume and cosmetics. Serial No. 436,037; July 1. Class 6.
Sea Board Supply Co., Inc., Philadelphia, Pa. Feed concentrate for poultry. Serial No. 442,727; July 1. Class 46.
Sea Board Supply Co., Inc., Philadelphia, Pa. Feed concentrate for animals. Serial No. 442,729; July 1. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Paint sprayers. Serial No. 435,958; July 1. Class 23.
Sears, Roebuck and Co., Chicago, Ill. Men's and boys' rubber footwear. Serial No. 440,958; July 1. Class 39.
Shoe Form Co., Inc., Auburn, N. Y. Fish hooks. Serial No. 443,895. July 1. Class 22.
Skouras, Constantine J., New York, N. Y. Wine. Serial Nos. 440,525–6; July 1. Class 47.
Smith, Landon P., Inc., Irvington, N. J. Screw drivers. Serial No. 441,062; July 1. Class 23.
Sociedad Anonima Vinedos y Bodegas Arizu, Buenos Aires, Argentina. Wines. Serial No. 439,242; July 1. Class 47.
Specialty Products Company, Jersey City, N. J. Hosiery of silk, cotton, wool, etc. Serial No. 441,713; July 1. Class 39.
Spiker, Bird, College Station, Tex. Published word puzzles. Serial No. 442,733; July 1. Class 38.
Standard Oil Development Company, Linden, N. J. Cementitious adhesive or binder for paper, cloth and glass. Serial No. 438,964; July 1. Class 5.
Standard Oil Development Company, Linden, N. J. Illuminating oils, lubricating oils, and waxes. Serial No. 438,966; July 1. Class 15.
Stayner Corporation, Berkeley, Calif. Preparation for protecting the skin from ultra-violet rays. Serial No. 437,155; July 1. Class 6.
Stetson, John B., Company, Philadelphia, Pa. Men's and women's hats. Serial No. 442,218; July 1. Class 39.
Sunflower Packing Corp., Porterville, Calif. Fresh citrus fruits. Serial No. 443,466; July 1. Class 46.
Swedish Steel Mills' A. A., Inc., New York, N. Y. Steels used for tools. Serial No. 441,493; July 1. Class 14.
Tausend, Felix, & Sons, New York, N. Y. Table cloths, napkins, scarfs, and doilies. Serial No. 443,059; July 1. Class 42.
Taylor-Freeman-Stanley, Incorporated, New York, N. Y. Manicure implement. Serial No. 442,578; July 1. Class 44.
Tex-O-Kan Flour Mill Company, doing business as Burrus Mills & Elevator Company, Dallas, Tex. Wheat flour. Serial No. 441,456; July 1. Class 46.
Tiona Petroleum Company, Philadelphia, Pa. Lubricating oils and greases. Serial No. 435,261; July 1. Class 15.
Transcontinental & Western Air, Inc., North Kansas City, Mo. Playing cards. Serial No. 443,707; July 1. Class 22.
Treadwell, Bill, New York, N. Y. Comic strips. Serial No. 439,845; July 1. Class 38.
Tyler Publishing Company, The, Battle Creek, Mich. Periodical. Serial No. 441,843; July 1. Class 38.
Ultra Violet Products, Inc., Los Angeles, Calif. Ultra violet lamps. Serial No. 430,634; July 1. Class 26.
Union Fork & Hoe Company, The, Columbus, Ohio. Automatic gas heating and air conditioning units. Serial No. 436,826; July 1. Class 34.
Union Fork & Hoe Company, The, Columbus, Ohio. Hand operated tools. Serial No. 442,149; July 1. Class 23.
United Cigar-Whelan Stores Corporation, New York, N. Y. Nasal drops. Serial No. 439,501; July 1. Class 6.
United States Gypsum Company, Chicago, Ill. Plasters and roof and sidewall covering and cementing materials. Serial No. 427,148; July 1. Class 12.
United States Rubber Company, New York, N. Y. Dies for use in forming dishes of silver or silver plate. Serial No. 441,219; July 1. Class 23.
United States Rubber Company, New York, N. Y. Insecticidal spray for the killing of insects. Serial No. 443,027; July 1. Class 6.
Van Raalte Company, Inc., New York, N. Y. Fabric gloves. Serial No. 442,675; July 1. Class 39.
Venice Celery Distributors, Los Angeles, Calif. Fresh vegetables. Serial No. 442,223; July 1. Class 46.
Vitamix Company. (See Goldstock, Samuel.)
Vivion, Lee E., Jr., Indio, Calif. Fresh citrus and deciduous fruits and vegetables. Serial No. 443,143; July 1. Class 46.
Vivion, Lee E., Jr., Indio, Calif. Fresh citrus and deciduous fruits and vegetables. Serial Nos. 443,145–6; July 1. Class 46.
Wardell, William J., trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y. Vitamin product containing all of the present known vitamins. Serial No. 442,926; July 1. Class 6.
Welch, William W., doing business as W. W. Welch Co., Cincinnati, Ohio. Electric fan stands and tables. Serial No. 441,269; July 1. Class 21.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Marine bearings. Serial No. 440,764; July 1. Class 23.
White-Stokes Company, Inc., Chicago, Ill. Plastic marshmallow. Serial No. 441,717; July 1. Class 46.
Willys-Overland Motors, Inc., Toledo, Ohio. Automobiles. Serial No. 441,067; July 1. Class 19.
Wright Aeronautical Corporation, Paterson, N. J. Internal combustion engine. Serial No. 440,399; July 1. Class 23.
Young Men's Christian Association of Chicago, The, Chicago, Ill. Magazines. Serial No. 440,795; July 1. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Acralite Co., Inc., New York, N. Y. Dental supplies. 388,648; July 1; Serial No. 441,070; published Apr. 22, 1941. Class 44.
Agricultural Trade Relations, Inc., Stockton, Calif. Magazine published at recurring intervals. 388,538; July 1; Serial No. 433,648; published Apr. 15, 1941. Class 38.
Atkins, E. C., & Company, Indianapolis, Ind. Unmounted abrasive wheels. 142,435; renewed May 17, 1941.
Albion, Charles M. (See Weissner, Benjamin, assignor.)
Albion, Charles M., doing business as Albion & Sons, Cambridge, Mass. Cleaner and polish for varnished, enameled, lacquered, or painted surfaces. 388,557; July 1; Serial No. 438,103; published Mar. 18, 1941. Class 16.
Allmänna Svenska Utsädes Aktiebolaget, Svalov, Sweden. Field seeds. 388,515; July 1; Serial No. 421,411; published Apr. 22, 1941. Class 1.
American Colortype Company, Chicago, Ill. Greeting cards, tallies, place cards, etc. 388,573; July 1; Serial No. 439,186; published Apr. 22, 1941. Class 38.
American Cyanamid Company, New York, N. Y. Condensation products of aldehydes and amines. 388,600; July 1; Serial No. 440,080; published Apr. 22, 1941. Class 1.
American Silk Spinning Co., Providence, R. I. Yarns. 388,589; July 1; Serial No. 439,768; published Apr. 8, 1941. Class 43.
American Thread Company, The, New York, N. Y. Thread. 388,530; July 1; Serial No. 429,157; published Apr. 1, 1941. Class 43.
Anglo-French Laboratories, Inc., New York, N. Y. Medicinal preparations. 388,657; July 1; Serial No. 441,174; published Apr. 22, 1941. Class 6.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Skin lotion. 388,616; July 1; Serial No. 440,352; published Apr. 22, 1941. Class 6.
Armanet, Irma, San Francisco, Calif. Perfume. 388,582; July 1; Serial No. 439,574; published Apr. 22, 1941. Class 6.
Arrow Distilleries, Inc., Detroit, Mich. Liqueurs, cordials, brandies, etc. 388,664; July 1; Serial No. 441,464; published Apr. 22, 1941. Class 49.
Asbestos Limited, Incorporated, New York, N. Y. Flat, segmental, sectional, cylindrical and other forms of asbestos heat insulation units. 388,592; July 1; Serial No. 439,956; published Apr. 22, 1941. Class 12.
Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. 388,545; July 1; Serial No. 436,000; published Apr. 22, 1941. Class 6.
Athol Manufacturing Company, Athol, Mass. Leather cloth. 388,590; July 1; Serial No. 439,791; published Apr. 22, 1941. Class 50.
Atlantic Steel Company, Atlanta, Ga. Metallic welding electrodes. 388,534; July 1; Serial No. 430,848; published Apr. 22, 1941. Class 14.
"Automatic" Sprinkler Company of America, Youngstown, Ohio. Storage tanks. 388,593; July 1; Serial No. 439,985; published Apr. 22, 1941. Class 2.
Bailey, Truman, New York, N. Y. Ladies' and misses' vests, slips, night gowns, etc. 388,531; July 1; Serial No. 429,164; published Apr. 22, 1941. Class 39.
Bak-Kraft Corporation, Ltd., Los Angeles, Calif. Bread. 388,576; July 1; Serial No. 439,329; published Apr. 22, 1941. Class 46.
Barber Asphalt Corporation, Barber, N. J. Composition roofing and shingles. 388,529; July 1; Serial No. 428,950; published Apr. 22, 1941. Class 12.
Bayerdorfer, Max, Huguenot Park, N. Y., to Max Bayerdorfer, Huguenot Park, Staten Island, N. Y. Leg-rings used as poultry markers. 147,919; renewed Nov. 8, 1941.
Ben-Burk, Inc., Boston, Mass. Blended whiskey. 388,658; July 1; Serial No. 441,304; published Apr. 22, 1941. Class 49.
Bishop, John W., Company, doing business as Bishop's Flour Mills, Martinsburg, W. Va. Blended all purpose wheat flour. 388,597; July 1; Serial No. 440,037; published Apr. 22, 1941. Class 46.
Blackstaff Flax Spg. & Wvg. Co. Ltd., The, Belfast, Ireland, to The Blackstaff Flax Spinning & Weaving Co., Ltd., Belfast, Northern Ireland. Threads of flax, hemp, tow, etc. 147,930; renewed Nov. 8, 1941.
Blakeman, Marion H., Provincetown, Mass. Bath powders, colognes, lipsticks, etc. 388,562; July 1; Serial No. 438,370; published Apr. 22, 1941. Class 6.
Bloomingdale Bros. Inc., New York, N. Y. Whiskey. 388,548; July 1; Serial No. 437,054; published Apr. 22, 1941. Class 49.
Board of Home Missions of the Congregational and Christain Churches, New York, N. Y., and Boston, Mass. Periodical publication. 388,677; July 1. Class 38.
Botanical Laboratories. (See Wood, William H.)
Buzzell, Chester O., Caribou, Maine. Potatoes. 388,683; July 1. Class 46.
Callahan-Cohen, Inc., New York, N. Y. Infants' and children's dresses. 388,681; July 1. Class 39.
Capital City Products Company, The, Columbus, Ohio. Oleomargarine. 388,673; July 1. Class 46.
Car-Glo Products Co. (See Weissner, Benjamin.)
Carnegie Dock & Fuel Company, Minneapolis, Minn. Coal. 388,572; July 1; Serial No. 439,093; published Apr. 22, 1941. Class 1.
Caulk, L. D., Company, The, Milford, Del. A preparation for the treatment of pyorrhea. 147,079; renewed Oct. 4, 1941.
Cedar Hill Formulae Company, The, New Britain, Conn. Preparation for cleaning and polishing varnished surfaces. 147,953; renewed Nov. 8, 1941.
Cerecedo, J. H., doing business as J. H. Cerecedo & Co., Chicago, Ill. Rum. 388,680; July 1. Class 49.
Certified Products, Inc., Washington, D. C. Hair dyes. 388,660; July 1; Serial No. 441,388; published Apr. 15, 1941. Class 6.
Chaleyer, Ph., Inc. Perfume. 388,526; July 1.; Serial No. 428,568; published Apr. 22, 1941. Class 6.
Chatham Manufacturing Company, Elkin, N. C. Blankets. 388,650; July 1; Serial No. 441,127; published Apr. 22, 1941. Class 42.
Cheney Brothers, South Manchester, to Cheney Brothers, Manchester, Conn. Fabrics of silk and silk mixtures in the piece. 143,920; renewed June 21, 1941.
Circulation & Market Audits, Inc., New Haven, Conn. Publications. 388,521; July 1; Serial No. 426,642; published Apr. 15, 1941. Class 38.
Clover Gold Packers, Waxahachie, Tex. Honey. 388,559; July 1; Serial No. 438,230; published Apr. 22, 1941. Class 46.
Coleman Lamp and Stove Company, The, Wichita, Kans. Fluid burning gravity floor furnaces. 388,544; July 1; Serial No. 435,785; published Apr. 22, 1941. Class 34.
Congress Shirt Company, Boston, Mass. Sport coats and sport jackets. 388,566; July 1; Serial No. 438,792; published Apr. 22, 1941. Class 39.
Continental Hosiery Corp., New York, N. Y. Hosiery. 388,632; July 1; Serial No. 440,675; published Apr. 15, 1941. Class 39.
Crown Products Corporation, Los Angeles, Calif. Bleaching water. 388,620; July 1; Serial No. 440,493; published Apr. 22, 1941. Class 6.
D. F. H. Novelty Furniture Co. Inc., New York, N. Y. Breakfast furniture. 388,588; July 1; Serial No. 439,713; published Apr. 22, 1941. Class 32.
Davidson Manufacturing Corporation, Chicago, Ill. Aluminum plate for photoline and direct image work in lithography. 388,619; July 1; Serial No. 440,447; published Apr. 22, 1941. Class 50.
De Botelho, Martin, doing business as Alexandra de Markoff, New York, N. Y. Cosmetics. 388,613; July 1; Serial No. 440,319; published Apr. 15, 1941. Class 6.
De Markoff, Alexandra. (See De Botelho, Martin.)
Denels, Robert, doing business as Robert, New York, N. Y. Foot creams. 388,667; July 1; Serial No. 441,503; published Apr. 22, 1941. Class 6.
Detwiler, Robert M., doing business as Detwiler's Ice Cream Shoppe, Oklahoma City, Okla. Prepared malted milk beverage. 388,679; July 1. Class 46.
Difco Laboratories Incorporated, Detroit, Mich. Pharmaceutical preparation. 388,665; July 1; Serial No. 441,469; published Apr. 22, 1941. Class 6.
Dille & McGuire Mfg. Co., Richmond, Ind. Lawn-mowers. 147,985–91; renewed Nov. 8, 1941.
Dodwell & Company, Ltd., New York, N. Y. Coconut. 388,528; July 1; Serial No. 428,685; published Apr. 22, 1941. Class 46.
Dolces Dresses, Inc., New York, N. Y. Dresses. 388,601; July 1; Serial No. 440,157; published Apr. 15, 1941. Class 39.
Dominant Products Co., Inc., New York, N. Y. Metal polishing preparation and for soaps and detergents. 388,553; July 1; Serial No. 437,466; published Apr. 22, 1941. Class 4.
Don Juan, Inc., New York, N. Y. Lipstick, rouge, and face powder. 388,598; July 1; Serial No. 440,044; published Apr. 15, 1941. Class 6.
Du Pont Film Manufacturing Corporation, New York, N. Y. X-ray fixer. 388,638; July 1; Serial No. 440,777; published Apr. 22, 1941. Class 6.
Edelson, N., Sons, New York, N. Y. Slips, nightgowns, pajamas, etc. 388,628; July 1; Serial No. 440,647; published Apr. 22, 1941. Class 39.
Ely & Walker Dry Goods Company, St. Louis, Mo. Fabrics. 388,651; July 1; Serial No. 441,130; published Apr. 22, 1941. Class 42.
Empson, Kuner Co., Brighton, Colo. Canned beans in chile gravy. 388,563; July 1; Serial No. 438,544; published Apr. 22, 1941. Class 46.
Fawcett Publications, Inc., Greenwich, Conn. Publication appearing annually or in approximately annual periods. 388,555; July 1; Serial No. 437,647; published Apr. 8, 1941. Class 38.
Fawcett Publications, Inc., Greenwich, Conn. Periodical publication. 388,640; July 1; Serial No. 440,812; published Apr. 22, 1941. Class 38.
Fillauer, George W., Chattanooga, Tenn. Ointment containing cod liver oil and zinc oxide. 388,607; July 1; Serial No. 440,239; published Apr. 15, 1941. Class 6.

Flitrex Company, Inc., Elizabeth, N. J. Water treatment compound. 388,549–50; July 1; Serial Nos. 437,241–2; published Apr. 22, 1941. Class 6.

Finch, Joseph S., and Company, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind. Whiskey, gin, rum, etc. 388,661–2; July 1; Serial Nos. 441,397–8; published Apr. 22, 1941. Class 49.

Fire-Proof Furniture and Construction Company. (See Steel Equipment Corporation.)

Fischer, Harry, & Company, Philadelphia, Pa. Topcoats and overcoats. 388,510; July 1; Serial No. 425,613; published Jan. 16, 1940. Class 39.

Ford, J. B., Company, The, Wyandotte, Mich. Citrus fruit cleaner. 388,647; July 1; Serial No. 441,052; published Apr. 22, 1941. Class 4.

Foulds Milling Company, The, Libertyville, Ill. Macaroni, spaghetti, noodles, etc. 388,546; July 1; Serial No. 436,120; published Apr. 22, 1941. Class 46.

Franceva, Inc., New York, N. Y. Ladies' corsets, corselets, and brassières. 388,560; July 1; Serial No. 438,331; published Apr. 22, 1941. Class 39.

Franklin Peanut Company, Franklin, Va. Peanuts in the shell. 148,031; renewed Nov. 8, 1941.

French Sardine Co., Inc., Terminal Island, Calif. Cat food. 388,570; July 1; Serial No. 438,926; published Apr. 22, 1941. Class 46.

Fruit Growers Co-Operative, Sturgeon Bay, Wis. Canned cherries. 388,603; July 1; Serial No. 440,197; published Apr. 22, 1941. Class 46.

General Electric Company, Schenectady, N. Y., assignor to The Miller Company, Meridan, Conn. Glassware. 143,348; renewed May 31, 1941.

General Mills, Inc., Minneapolis, Minn. Food products. 388,674; July 1. Class 46.

Gilbert, Morris, Company Inc., New York, N. Y. Ladies', misses', and children's suits and coats. 388,614; July 1; Serial No. 440,330; published Apr. 22, 1941. Class 39.

Glencairn Manufacturing Co., Pawtucket, R. I. Shoe lacings, corset lacings, underwear lacings, etc. 148,049; renewed Nov. 8, 1941.

Glocker, Gustave, assignor to Super-Seal Container Corporation, Washington, D. C. Glass jars. 388,672; July 1. Class 33.

Golco Sanitary System, Inc., Philadelphia, Pa. Vitreous sink trim and tile trim. 388,540; July 1; Serial No. 434,063; published Apr. 8, 1941. Class 12.

Goodrich, B. F., Company, The, Akron, Ohio. Pneumatic tire casings. 388,625; July 1; Serial No. 440,623; published Apr. 22, 1941. Class 35.

Gordon, M. Martin, Chicago, Ill. Toilet and pharmaceutical preparations. 146,236; renewed Sept. 6, 1941.

Graton & Knight Manufacturing Company, The, assignor to Graton & Knight Company, Worcester, Mass. Lace-leather and cut laces of leather. 147,613; renewed Oct. 25, 1941.

Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick. 388,629; July 1; Serial No. 440,651; published Apr. 8, 1941. Class 12.

Green, Mabel M., Van Nuys, Calif. Candy. 388,612; July 1; Serial No. 440,302; published Apr. 22, 1941. Class 46.

Greenbros, Inc., Cincinnati, Ohio. Whiskey, gin, rum, etc. 388,634; July 1; Serial No. 440,720; published Apr. 22, 1941. Class 49.

Grigg, Walter A., Larned, Kans. Periodical publication. 388,594; July 1; Serial No. 440,004; published Apr. 8, 1941. Class 38.

Groveton Paper Company, Inc., assignor to Groveton Papers Company, Groveton, N. H. Paper. 146,241; renewed Sept. 6, 1941.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 388,626; July 1; Serial No. 440,626; published Apr. 22, 1941. Class 27.

Hall Hardware Company, Minneapolis, Minn. Machines and tools. 143,970; renewed June 21, 1941.

Halsell-Humphrey, Incorporated, Oklahoma City, Okla. Scripts for a series of radio broadcasts. 388,561; July 1; Serial No. 438,335; published Apr. 15, 1941. Class 38.

Harley-Davidson Motor Company, Milwaukee, Wis. Printed publication. 388,621; July 1; Serial No. 440,508; published Apr. 22, 1941. Class 38.

Harrow-Taylor Butter Co., to Harrow-Taylor Butter Company, doing business as Harrow-Taylor Co., Kansas City, Mo. Oleomargarin. 146,245; renewed Sept. 6, 1941.

Hart Drug Corporation, Miami, Fla. Preparation indicated in the treatment of scabies. 388,668; July 1; Serial No. 441,576; published Apr. 22, 1941. Class 6.

Hermanos, Sanchez Romate, S. A., Jerez de la Frontera, Spain. Brandies, cognac, anise, etc. 388,571; July 1; Serial No. 439,076; published Apr. 22, 1941. Class 49.

Kessler, John H., Cleveland, Ohio. Liquid preparation for treatment of certain ailments. 148,107; renewed Nov. 8, 1941.

Hipsh, Inc., Kansas City, Mo. Men's and boys' sportswear. 388,595; July 1; Serial No. 440,006; published Apr. 15, 1941. Class 39.

International Vitamin Corp., New York, N. Y. Food ingredients containing vitamins. 388,577; July 1; Serial No. 439,345; published Apr. 22, 1941. Class 46.

K. K. Publications, Incorporated. (See Whitman Publishing Company, assignor.)

Katakura Seishi Boseki Kabushiki Kaisha, Tokyo, Japan. Raw silk. 388,510; July 1; Serial No. 414,296; published Apr. 15, 1941. Class 1.

Kayser, Julius, & Co., New York, N. Y. Nightgowns and pajamas. 388,581; July 1; Serial No. 439,515; published Apr. 22, 1941. Class 39.

Kayser, Julius, & Co., New York, N. Y. Hosiery. 388,623; July 1; Serial No. 440,599; published Apr. 15, 1941. Class 39.

Kelly, Henry, & Sons, Inc., assignor to Henry Kelly Importing and Distributing Co. Inc., New York, N. Y. Champagne. 388,678; July 1. Class 47.

Kemp & Beatley, Inc., New York, N. Y. Textile fabrics in the piece, napkins, towels, etc. 388,643; July 1; Serial No. 440,988; published Apr. 22, 1941. Class 42.

Kimble Glass Company, Vineland, N. J. Glass rods, glass tubing and glass containers. 388,537; July 1; Serial No. 432,642; published Apr. 22, 1941. Class 33.

King & Company, assignor to Le Roi Hosiery Co. Inc., New York, N. Y. Hosiery. 148,109; renewed Nov. 8, 1941.

King Features Syndicate, Inc., New York, N. Y. Newspaper column. 388,533; July 1; Serial No. 430,510; published May 28, 1940. Class 38.

King Features Syndicate, Inc., New York, N. Y. Newspaper section. 388,591; July 1; Serial No. 439,901; published Apr. 8, 1941. Class 38.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Scratch feed. 388,583; July 1; Serial No. 439,599; published Apr. 22, 1941. Class 46.

La Salle & Koch Co., The, Toledo, Ohio. Bed spreads and blankets. 388,656; July 1; Serial No. 441,208; published Apr. 22, 1941. Class 42.

Lasker, Richard F., Jackson Heights, Long Island, N. Y. Advertising matter. 388,565; July 1; Serial No. 438,771; published Apr. 8, 1941. Class 38.

Lelong, Lucien, Inc., Chicago, Ill. Lipsticks. 388,608; July 1; Serial No. 440,256; published Apr. 15, 1941. Class 6.

Le Roi Hosiery Co. Inc. (See King & Company, assignor.)

Levinsohn Bros. & Co., Inc., New York, N. Y. Men's suits and boys' suits. 388,535; July 1; Serial No. 432,259; published July 23, 1940. Class 39.

Liberty Cherry & Fruit Co. Inc., The, Covington, Ky. Bottled maraschino cherries. 388,675; July 1. Class 46.

Loughran, Daniel, Company, Incorporated, Washington, D. C. Cigars. 388,671; July 1. Class 17.

Malt-Diastase Company, New York, to Malt-Diastase Company, Brooklyn, N. Y. Non-alcoholic liquid, semi-liquid, and concentrated malt extracts. 145,409; renewed Aug. 2, 1941.

Marsh, Jas. P., Corporation, Chicago, Ill. Pressure and liquid level actuated multiple air vent units and central manual control units for hot water heating systems. 388,525; July 1; Serial No. 428,123; published Apr. 22, 1941. Class 34.

Marshall Canning Company, Marshalltown, Iowa. Canned vegetables, kraut, and pork and beans. 143,682; renewed June 7, 1941.

May Department Stores Company, The, St. Louis, Mo., to The May Department Stores Company, New York, N. Y. Hair-nets. 147,128; renewed Oct. 4, 1941.

McDarment, Allan M., doing business as Specialties Company, East Cleveland, Ohio. Tie holders. 388,551; July 1; Serial No. 437,283; published Apr. 22, 1941. Class 13.

McElroy, Robert H., Jr., Chicago, Ill. Coupons. 388,518; July 1; Serial No. 422,591; published Apr. 8, 1941. Class 38.

McKesson & Robbins, Inc. (See Wardall, William J., trustee.)

Meredyne Corporation, The, Baltimore, Md. Preparation for air and travel sickness. 388,602; July 1; Serial No. 440,171; published Apr. 15, 1941. Class 6.

Metropolitan Detroit Brick Dealers' Association, Detroit, Mich. Building brick. 388,587; July 1; Serial No. 439,701; published Apr. 8, 1941. Class 12.

Mid-Valley Distilling Corp., Archbald, Pa. Whiskey. 388,609; July 1; Serial No. 440,258; published Apr. 22, 1941. Class 49.

Mid-Valley Distilling Corporation, Archbald, Pa. Whiskey. 388,644; July 1; Serial No. 441,028; published Apr. 22, 1941. Class 49.

Miller Company, The. (See General Electric Company, assignor.)

Millett, J. C., Co., San Francisco, Calif. Whiskey. 388,659; July 1; Serial No. 441,361; published Apr. 22, 1941. Class 49.

Mock, Judson, Voehringer Co. of New York, Inc., Long Island City, N. Y. Magazine section. 388,611; July 1; Serial No. 440,289; published Apr. 15, 1941. Class 38.

Modern Foods, Inc., Los Angeles, Calif. Ready mixed pie crust dough. 388,684; July 1. Class 46.

Montgomery, Marjorie, Inc., Los Angeles, Calif. Play suits, consisting of blouse and attached shorts, etc. 388,624; July 1; Serial No. 440,607; published Apr. 22, 1941. Class 39.

Morrell, John, & Co., Ottumwa, Iowa. Canned meat loaves. 388,579; July 1; Serial No. 439,468; published Apr. 22, 1941. Class 46.

Mound City Paint & Color Co., St. Louis, Mo. Ready-mixed paints and paste paints, paint enamels, etc. 388,641; July 1; Serial No. 440,872; published Apr. 22, 1941. Class 16.

Moyle, Leigh, doing business as Leigh Moyle Liquor Stores, Whittier, Calif. Whiskey. 388,554; July 1; Serial No. 437,599; published Apr. 22, 1941. Class 49.

Muncy, William A., Brooklyn, N. Y. Watches, watch cases, and watch parts. 388,630; July 1; Serial No. 440,660; published Apr. 22, 1941. Class 27.

N. V. Algemeene Norit Maatschappij, Amsterdam, Netherlands. Decolorizing means and more especially pulverized decolorizing-carbons. 140,896; renewed Mar. 29, 1941.

National Biscuit Company, New York, N. Y. Bakery products. 388,522; July 1; Serial No. 426,956; published Apr. 22, 1941. Class 46.

Naymon Plate Co., Lowell, Mass. Perfumes and sachets. 388,645; July 1; Serial No. 441,031; published Apr. 22, 1941. Class 6.

Nestlé's Food Company, Inc., New York, N. Y., by change of name to Nestlé's Milk Products, Inc. Malted milk. 145,757; renewed Aug. 16, 1941.

Nestlé's Food Company, Inc., New York, N. Y., by change of name to Nestlé's Milk Products, Inc. Condensed milk. 145,758; renewed Aug. 16, 1941.

Nestlé's Food Company, Inc., New York, N. Y., by change of name to Nestlé's Milk Products, Inc. Sterilized milk. 145,759; renewed Aug. 16, 1941.

Nestlé's Food Company, Inc., New York, N. Y., by change of name to Nestlé's Milk Products, Inc. Evaporated milk. 147,139; renewed Oct. 4, 1941.

Nestlé's Food Company, Inc., New York, N. Y., by change of name to Nestlé's Milk Products, Inc. Condensed milk. 147,140; renewed Oct. 4, 1941.

New York Merchandise Co., Inc., New York, N. Y. Hair-nets. 148,186; renewed Nov. 8, 1941.

Oelerich & Berry Company, Chicago, Ill. Fruit preserves. 388,610; July 1; Serial No. 440,260; published Apr. 22, 1941. Class 46.

Okonite Company, The, Passaic, N. J. Insulated conductors and cables for electrical purposes. 147,802; renewed Nov. 1, 1941.

Ollendorff, Julian, New York, N. Y. Comic strips with continuity, combined with commercial advertisement in the last panel, etc. 388,532; July 1; Serial No. 429,317; published Apr. 8, 1941. Class 38.

Owens Staple-Tied Brush Company, The, Toledo, Ohio. Toothbrushes. 388,622; July 1; Serial No. 440,520; published Apr. 22, 1941. Class 29.

Pan American Band Instrument and Case Company, Elkhart, Ind. Periodical publication. 388,639; July 1; Serial No. 440,787; published Apr. 15, 1941. Class 38.

Pangburn Company, Fort Worth, Tex. Ice cream. 388,527; July 1; Serial No. 428,661; published Apr. 22, 1941. Class 46.

Paramount Bedding Corporation, Norfolk, Va. Mattresses. 388,596; July 1; Serial No. 440,020; published Apr. 22, 1941. Class 32.

Paransky, David, doing business as Star Bedding Company, Pittsburgh, Pa. Mattresses, studio couches, sofa beds, etc. 388,687; July 1. Class 32.

Parents' Institute, Inc., The, New York, N. Y. Column or section in a monthly magazine. 388,636; July 1; Serial No. 440,752; published Apr. 22. Class 38.

Pease Woodwork Company, Inc., Cincinnati, Ohio. Building paper. 388,512; July 1; Serial No. 417,774; published Apr. 8, 1941. Class 12.

Pennsylvania Salt Manufacturing Co., Philadelphia, Pa. Acid and alkali-proof building cements. 388,585; July 1; Serial No. 439,662; published Apr. 15, 1941. Class 12.

Pep Boys—Manny, Moe & Jack, The, Philadelphia, Pa. Hand soap. 388,539; July 1; Serial No. 433,721; published Apr. 22, 1941. Class 4.

Peride Products, Inc., Brooklyn and New York, N. Y. Insecticides. 388,631; July 1; Serial No. 440,661; published Apr. 22. 1941. Class 6.

Phi Epsilon Pi Fraternity, Inc., Philadelphia, Pa. Fraternity pins and other articles of jewelry not including watches. 388,558; July 1; Serial No. 438,213; published Apr. 8, 1941. Class 28.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Periodical publication. 388,543; July 1; Serial No. 435,180; published Apr. 22, 1941. Class 38.

Pocket Books, Inc., New York, N. Y. Books. 388,686; July 1. Class 38.

Poultry Producers of Central California, Inc., assignor to Poultry Producers of Central California, San Francisco, Calif. Eggs. 146,334; renewed Sept. 6, 1941.

Protex Industries, Inc., New York, N. Y. Latex and toxic latex as a coating. 388,520; July 1; Serial No. 425,860; published Apr. 22, 1941. Class 6.

Quaker Oil Corporation, St. Louis, Mo. Lubricating oil. 388,509; July 1; Serial No. 409,697; published Apr. 22, 1941. Class 15.

Rainier Brewing Company, San Francisco, Calif. Ale and porter. 388,649; July 1; Serial No. 441,107; published Apr. 22, 1941. Class 48.

Raleigh Smokeless Fuel Company, Beckley, W. Va. Bituminous coal. 148,224; renewed Nov. 8, 1941.

Red Hand Compositions Company, Inc., New York, N. Y. Anti-galvanic black paint. 388,654; July 1; Serial No. 441,179; published Apr. 22, 1941. Class 16.

Richman Brothers Company, The, Cleveland, Ohio. Men's hosiery. 388,536; July 1; Serial No. 432,491; published Sept. 10, 1941. Class 39.

Robert. (See Denels, Robert.)

Rophon, Inc., New York, N. Y. Perfumes and toilet waters, face powder, and bath powder. 388,652; July 1; Serial No. 441,144; published Apr. 22, 1941. Class 6.

Rosenberg, Robert, doing business as Rosenberg Garment Co., St. Louis, Mo. Ladies' suits, coats, and dresses. 388,524; July 1; Serial No. 428,087; published Apr. 15, 1941. Class 39.

Rosenzweig & Pincus, Inc., New York, N. Y. Men's suits. 388,556; July 1; Serial No. 437,836; published Apr. 22, 1941. Class 39.

Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J. Lacquers and varnishes. 388,653; July 1; Serial No. 441,145; published Apr. 22, 1941. Class 16.

Ruberoid Co., The, Bound Brook, N. J., and New York, N. Y. Asphalt shingles. 388,685; July 1. Class 12.

Sandeman, Geo. G., Sons & Co., Limited, London, England. Scotch whiskey. 388,564; July 1; Serial No. 438,631; published Apr. 22, 1941. Class 49.

Schonfeld, Max P. H., Los Angeles, Calif. Table and cooking china and porcelain vases, urns, hair receivers, etc. 388,568; July 1; Serial No. 438,906; published Apr. 22, 1941. Class 30.

Schulman, Samuel, New York, N. Y. Fur and fur trimmed coats and jackets. 388,617; July 1; Serial No. 440,387; published Apr. 22, 1941. Class 39.

Security Steel Equipment Corporation. (See Steel Equipment Corporation, assignor.)

Selig Company, The, Atlanta, Ga. Insecticides. 388,580; July 1; Serial No. 439,475; published Apr. 15, 1941. Class 6.

Selig Company, The, Atlanta, Ga. Liquid metal cleaner. 388,655; July 1; Serial No. 441,185; published Apr. 22, 1941. Class 4.

Sheldon, Albert K., Company, Boston, to Albert K. Sheldon Company, Cambridge, Mass. Ready-mixed paints, paste paints, varnishes, dry colors. 148,258; renewed Nov. 8, 1941.

Sherwin-Williams Company, The, Cleveland, Ohio. Soft paste paint. 147,167; renewed Oct. 4, 1941.

Slack, Fred A., Jr., doing business as Tridox Laboratories, Bala, Pa. Materials for repairing teeth. 388,574; July 1; Serial No. 439,211; published Apr. 22, 1941. Class 44.

Smith, Arthur E., Los Angeles, Calif. Local anesthetizing, nerve blocking, tablets, powders, solutions, etc. 388,663; July 1; Serial No. 441,451; published Apr. 22, 1941. Class 6.

Smith & Hemenway Company, Inc., New York, N. Y., and Irvington, N. J., to Landon P. Smith, Inc., Irvington, N. J., successor. Metal washers and lock-washers. 144,940; renewed July 19, 1941.

Smith, James A., Philadelphia, Pa. Germicidal soap and shaving soap. 388,511; July 1; Serial No. 415,192; published Dec. 12, 1939. Class 4.

Smith, Landon P., Inc. (See Smith & Hemenway Company, successor.)

Societe des Moteurs Gnome et Rhone, Paris, France. Electrical mechanism and apparatus. 141,233; renewed Apr. 12, 1941.

Societe des Moteurs Gnome et Rhone, Paris, France. Instruments for use in navigation. 141,234; renewed Apr. 12, 1941.

Specialties Company. (See McDarment, Allan M.)

Spiewak, L., & Sons, New York, N. Y., assignor, by mesne assignments, to J. Spiewak & Sons, Jersey City, N. J. Suits, overcoats, and trousers. 147,411; renewed Oct. 11, 1941.

Spur Knitting Mills, Inc., New York, N. Y. Women's, children's, and infants' sweaters. 388,547; July 1; Serial No. 436,486; published Dec. 10, 1940. Class 39.

Squibb, E. R., & Sons, New York, N. Y. Oral preparations for use as dentifrices and mouth washes. 388,586; July 1; Serial No. 439,673; published Apr. 22, 1941. Class 6.

Standard Brands Incorporated, New York, N. Y. Coffee improver. 388,633; July 1; Serial No. 440,708; published Apr. 22, 1941. Class 6.

Standard Tar Products Company, Milwaukee, Wis. Wood-preservatives and fly-sprays. 148,269; renewed Nov. 8, 1941.

Stanley Works, The, New Britain, Conn. Precision tools for mechanics. 148,270; renewed, Nov. 8, 1941.

Star Bedding Company. (See Paransky, David.)

Steel Equipment Corporation, New York, N. Y., as assignee of Fire-Proof Furniture and Construction Company, New York, N. Y., and Miamisburg, Ohio, assignor, by mesne assignments, to Security Steel Equipment Corporation, Avenel, N. J. Tool-boxes, deposit-boxes, and mercandise-bins. 148,021; renewed Nov. 8, 1941.

Sterling Mills, Ilion, N. Y. Men's and boys' knitted outer wear. 388,584; July 1; Serial No. 439,607; published Apr. 22, 1941. Class 39.

Stetthelmer Co., San Francisco, Calif., and New York, N. Y. Shirts, shorts, trunks, etc. 388,637; July 1; Serial No. 440,762; published Apr. 22, 1941. Class 39.
Storyk Brothers, Inc., New York, N. Y. Men's, women's, misses', and children's jackets, dresses, coats, etc. 388,615; July 1; Serial No. 440,348; published Apr. 22, 1941. Class 39.
Strathmore Paper Company, West Springfield and Mittineague, to Strathmore Paper Company, West Springfield, Mass. Paper and cardboard. 142,335; renewed May 10, 1941.
Super-Seal Container Corporation. (See Glocker, Gustave, assignor.)
Tetley, Joseph & Co., Inc., New York, N. Y. Tea. 388,604; July 1; Serial No. 440,224; published Apr. 22, 1941. Class 46.
Tomlinson of High Point, High Point, N. C. Articles of furniture. 388,513; July 1; Serial No. 418,457; published Apr. 22, 1941. Class 32.
Transamerica Wine Corp., New York, N. Y. Wines. 388,575; July 1; Serial No. 439,212; published Apr. 22, 1941. Class 47.
Tridox Laboratories. (See Slack, Fred A., Jr.)
Tripoli Barbers' Supply Company, doing business as Tripoli Co., Philadelphia, Pa. Hair preparation. 388,618; July 1; Serial No. 440,394; published Apr. 22, 1941. Class 6.
Twitchell-Champlin Company, The, Portland, Maine, and Boston, Mass., to The Twitchell-Champlin Company, Portland, Maine, and East Cambridge, Mass. Cream tartar, baking-soda, sulfur and epsom salts. 146,896; renewed Sept. 20, 1941.
Twitchell-Champlin Company, The, Portland, Maine, and Boston, Mass., to The Twitchell-Champlin Company, Portland, Maine, and East Cambridge, Mass. Certain named foods. 147,040; renewed Sept. 27, 1941.
Twitchell-Champlin Company, The, Portland, Maine, and Boston, Mass., to The Twitchell-Champlin Company, Portland, Maine, and East Cambridge, Mass.. Cream tartar, baking-soda, sulfur, and epsom salts. 147,041; renewed Sept. 27, 1941.
Uddeholms Aktiebolag, Uddeholm, Sweden. Iron and steel in strips or sheets. 388,516; July 1; Serial No. 421,826; published Apr. 22, 1941. Class 14.
Ulrici Medicine Company, Inc., The, New York, N. Y. Preparations useful as an aid to convalescence from illness, etc. 388,605–6; July 1; Serial Nos. 440,226–7; published Apr. 22, 1941. Class 6.
United States Rubber Company, New York, N. Y. Mattresses of foam rubber; blocks of foam rubber for furniture cushions; and mattress foundations. 388,646; July 1; Serial No. 441,039; published Apr. 22, 1941. Class 32.
Urick, Willis E., Los Angeles, Calif. Fresh cantaloups, cauliflower, onions, etc. 144,960; renewed July 19, 1941.
Van Dyk & Reeves, Inc., Brooklyn, N. Y. Bottled maraschino cherries. 388,676; July 1. Class 46.
Van Raalte Company, Inc., New York, N. Y. Veils, veilings and nettings in the piece. 147,182; renewed Oct. 4, 1941.
Vitamin Technologists, Inc., Los Angeles, Calif. Activated ergosterol. 388,567; July 1; Serial No. 438,819; published Apr. 22, 1941. Class 6.
Ward, Joseph, Aurora, Ill. Periodic publication. 388,552; July 1; Serial No. 437,327; published Apr. 8, 1941. Class 38.
Wardall, William J., trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y. Vitamin products. 388,666; July 1; Serial No. 441,497; published Apr. 22, 1941. Class 6.
Warner Chemical Company, The, New York, N. Y. Boiler compounds. 388,670; July 1; Serial No. 441,655; published Apr. 22, 1941. Class 6.
Warwick Chemical Company, West Warwick, R. I. Chemical product used for dyeing and finishing for all fibres. 388,660; July 1; Serial No. 441,595; published Apr. 22, 1941. Class 6.
Watts, Ritter & Company, Huntington, W. Va., and New York, N. Y. Hosiery for men, women, and children. 148,303; renewed Nov. 8, 1941.
Weissberg, Hyman, New York, N. Y. Yarns. 148,308; renewed Nov. 8, 1941.
Weissner, Benjamin, New York, N. Y., doing business as Car-Glo Products Co., assignor to Charles M. Albion, Cambridge, Mass., doing business as Albion & Sons. Automobile polish. 388,542; July 1; Serial No. 434,767; published Dec. 24, 1940. Class 16.
Welby Dresses Incorporated, New York, N. Y. Misses', womens', and girls' dresses. 388,569; July 1; Serial No. 438,915; published Apr. 15, 1941. Class 39.
Wellington Sears Company, Incorporated, New York, N. Y. Corduroy in the piece. 388,578; July 1; Serial No. 439,376; published Apr. 22, 1941. Class 42.
Whitman Publishing Company, Racine, Wis., assignor to K. K. Publications, Incorporated, Poughkeepsie, N. Y. Periodical publication. 388,523; July 1; Serial No. 427,183; published June 4, 1940. Class 38.
Wilson Brothers, Chicago, Ill. Men's and boys' sport coats and jackets. 388,514; July 1; Serial No. 418,859; published Apr. 15, 1941. Class 39.
Winket Kickernick Company, Minneapolis, Minn. Ladies' slips. 388,635; July 1; Serial No. 440,737; published Apr. 15, 1941. Class 39.
Winthrop Chemical Company, Inc., New York, N. Y. Vitamin B complex preparation. 388,642; July 1; Serial No. 440,897; published Apr. 22, 1941. Class 6.
Wood, William H., doing business as Botanical Laboratories, Chicago, Ill. Making trifoliate. 388,627; July 1; Serial No. 440,638; published Apr. 15, 1941. Class 6.
Woodwards, Incorporated, Minneapolis, Minn. Peanut butter. 388,517; July 1; Serial No. 422,162; published Apr. 22, 1941. Class 46.
Young, Alexander, Distilling Co., Philadelphia, Pa. Brandy. 388,599; July 1; Serial No. 440,078; published Apr. 22, 1941. Class 49.
Youthtone Coats & Suits, Inc., New York, N. Y. Ladies' and misses' coats and suits. 388,682; July 1. Class 39.
Zellerbach Paper Company, San Francisco, Calif. Napkins, table covers, household towels, waxed paper, shelf paper, etc. 388,541; July 1; Serial No. 434,510; published Apr. 22, 1941. Class 37.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Carnegie Dock & Fuel Company. 388,572; July 1; Serial No. 439,093; published Apr. 22, 1941.
Coal, Bituminous. Raleigh Smokeless Fuel Company. 148,224; renewed Nov. 8, 1941.
Condensation of products of aldehydes and amines. American Cyanamid Company. 388,600; July 1; Serial No. 440,080; published Apr. 22, 1941.
Lace-leather and cut laces of leather. Graton & Knight Manufacturing Company. 147,613; renewed Oct. 25, 1941.
Seeds, Field. Allmänna Svenska Utsädes Aktiebolaget. 388,515; July 1. Serial No. 421,411; published Apr. 22, 1941.
Silk, Raw. Katakura Sieshi Boseki Kabushiki Kaisha. 388,510; July 1; Serial No. 414,296; published Apr. 15, 1941.

CLASS 2

Tanks, Storage. "Automatic" Sprinkler Company of America. 388,593; July 1; Serial No. 439,985; published Apr. 22, 1941.
Tool-boxes, deposit-boxes, and merchandise-bins. Steel Equipment Corporation. 148,027; renewed Nov. 8, 1941.

CLASS 4

Abrasive wheels, Unmounted. E. C. Atkins & Company. 142,435; renewed May 17, 1941.
Cleaner, Citrus fruit. J. B. Ford Company. 388,647; July 1; Serial No. 441,052; published Apr. 22, 1941.
Cleaner, Liquid metal. Selig Company. 388,655; July 1; Serial No. 441,185; published Apr. 22, 1941.
Polishing preparation and for soaps and detergents, Metal. Dominant Products Co. 388,553; July 1; Serial No. 437,466; published Apr. 22, 1941.
Soap and shaving soap, Germicidal. J. A. Smith. 388,511; July 1; Serial No. 415,192; published Dec. 12, 1939.
Soap, Hand. Pep Boys—Manny, Moe, & Jack. 388,539; July 1; Serial No. 433,721; published Apr. 22, 1941.

CLASS 6

Bleaching water. Crown Products Corporation. 388,620; July 1; Serial No. 440,493; published Apr. 22, 1941.
Chemical product used for dyeing and finishing for all fibres. Warwick Chemical Company. 388,669; July 1; Serial No. 441,595; published Apr. 22, 1941.
Coffee improver. Standard Brands Incorporated. 388,633; July 1; Serial No. 440,708; published Apr. 22, 1941.
Compounds, Boiler. Warner Chemical Company. 388,670; July 1; Serial No. 441,655; published Apr. 22, 1941.
Cosmetics. M. De Botelho. 388,613; July 1; Serial No. 440,319; published Apr. 15, 1941.
Cream tartar, baking-soda, sulfur, and epsom salts. Twitchell-Champlin Company. 146,896; renewed Sept. 20, 1941.
Cream tartar, baking-soda, sulfur, and epsom salts. Twitchell-Champlin Company. 147,041; renewed Sept. 27, 1941.
Creams, Foot. R. Denels. 388,667; July 1; Serial No. 441,503; published Apr. 22, 1941.
Decolorizing means and more especially pulverized decolorizing-carbons. N. V. Algemeene Norit Maatschappij. 140,896; renewed Mar. 29, 1941.
Ergosterol, Activated. Vitamin Technologists, Inc. 388,567; July 1; Serial No. 438,819; published Apr. 22, 1941.
Hair dyes. Certified Products, Inc. 388,660; July 1; Serial No. 441,388; published Apr. 15, 1941.

Hair preparation. Tripoli Barbers' Supply Company. 388,618; July 1; Serial No. 440,394; published Apr. 22, 1941.
Insecticides. Peride Products, Inc. 388,631; July 1; Serial No. 440,661; published Apr. 22, 1941.
Insecticides. Selig Company. 388,580; July 1; Serial No. 439,475; published Apr. 15, 1941.
Latex and toxic latex as a coating. Protex Industries, Inc. 388,520; July 1; Serial No. 425,860; published Apr. 22, 1941.
Lipsticks. Lucien Lelong, Inc. 388,608; July 1; Serial No. 440,256; published Apr. 15, 1941.
Lipstick, rouge, face powder, etc. Associated Distributors, Inc. 388,545; July 1; Serial No. 436,000; published Apr. 22, 1941.
Lipstick, rouge, and face powder. Don Juan, Inc. 388,598; July 1; Serial No. 440,044; published Apr. 15, 1941.
Liquid preparation for treatment of certain ailments. J. H. Kessler. 148,107; renewed Nov. 8, 1941.
Lotion, Skin. Elizabeth Arden Sales Corporation. 388,616; July 1; Serial No. 440,352; published Apr. 22, 1941.
Medicinal preparations. Anglo-French Laboratories, Inc. 388,657; July 1; Serial No. 441,274; published Apr. 22, 1941.
Ointment containing cod liver oil and zinc oxide. G. W. Fillauer. 388,607; July 1; Serial No. 440,239; published Apr. 15, 1941.
Oral preparations for use as dentifrices and mouth washes. E. R. Squibb & Sons. 388,586; July 1; Serial No. 439,673; published Apr. 22, 1941.
Perfume. I. Armanet. 388,582; July 1; Serial No. 439,574; published Apr. 22, 1941.
Perfume. Ph. Chaleyer, Inc. 388,526; July 1; Serial No. 428,568; published Apr. 22, 1941.
Perfumes and sachets. Naymon Plate Co. 388,645; July 1; Serial No. 441,031; published Apr. 22, 1941.
Perfumes and toilet waters, face powder, and bath powder. Rophon, Inc. 388,652; July 1; Serial No. 441,144; published Apr. 22, 1941.
Pharmaceutical preparation. Difco Laboratories Incorporated. 388,665; July 1; Serial No. 441,469; published Apr. 22, 1941.
Powders, colognes, lipsticks, etc., Bath. M. H. Blakeman. 388,562; July 1; Serial No. 438,370; published Apr. 22, 1941.
Preparation for air and travel sickness. Meredyne Corporation. 388,602; July 1; Serial No. 440,171; published Apr. 15, 1941.
Preparation for cleaning and polishing varnished surfaces. Cedar Hill Formulae Company. 147,953; renewed Nov. 8, 1941.
Preparation for the treatment of pyorrhea. L. D. Caulk Company. 147,079; renewed Oct. 4, 1941.
Preparation indicated in the treatment of scabies. Hart Drug Corporation. 388,668; July 1; Serial No. 441,576; published Apr. 22, 1941.
Preparations useful as an aid to convalescence from illness, etc. Ulrici Medicine Company. 388,605–6; July 1; Serial Nos. 440,226–7; published Apr. 22, 1941.
Tablets, powders, solutions, Local anesthetizing, nerve blocking. A. E. Smith. 388,663; July 1; Serial No. 441,451; published Apr. 22, 1941.
Toilet and pharmaceutical preparations. M. M. Gordon. 146,236; renewed Sept. 6, 1941.
Trifoliate, Making. W. H. Wood. 388,627; July 1; Serial No. 440,638; published Apr. 15, 1941.
Vitamin B complex preparation. Winthrop Chemical Company. 388,642; July 1; Serial No. 440,897; published Apr. 22, 1941.
Vitamin products. W. J. Wardall. 388,666; July 1; Serial No. 441,497; published Apr. 22, 1941.
Water treatment compound. Flitrex Company. 388,549–50; July 1; Serial Nos. 437,241–2; published Apr. 22, 1941.
Wood-preservatives and fly-sprays. Standard Tar Products Company. 148,269; renewed Nov. 8, 1941.
X-ray fixer. Du Pont Film Manufacturing Corporation. 388,638; July 1; Serial No. 440,777; published Apr. 22, 1941.

CLASS 12

Asbestos heat insulation units. Asbestos Limited. 388,592; July 1; Serial No. 439,956; published Apr. 22, 1941.
Brick, Fire. A. P. Green Fire Brick Company. 388,629; July 1; Serial No. 440,651; published Apr. 8, 1941.
Building brick. Metropolitan Detroit Brick Dealers' Association. 388,587; July 1; Serial No. 439,701; published Apr. 8, 1941.
Building cements, Acid and alkali-proof. Pennsylvania Salt Manufacturing Co. 388,585; July 1; Serial No. 439,662; published Apr. 15, 1941.
Building paper. Pease Woodwork Company. 388,512; July 1; Serial No. 417,774; published Apr. 8, 1941.
Roofing and shingles, Composition. Barber Asphalt Corporation. 388,529; July 1; Serial No. 428,950; published Apr. 22, 1941.
Shingles, Asphalt. Ruberoid Co. 388,685; July 1.
Sink trim and tile trim, Vitreous. Golco Sanitary System, Inc. 388,540; July 1; Serial No. 434,063; published Apr. 8, 1941.

CLASS 13

Holders, Tie. A. M. McDarment. 388,551; July 1; Serial No. 437,283; published Apr. 22, 1941.

CLASS 14

Iron and steel in strips or sheets. Uddeholms Aktiebolag. 388,516; July 1; Serial No. 421,826; published Apr. 22, 1941.
Metal washers and lock-washers. Smith & Hemenway Company. 144,940; renewed July 19, 1941.
Metallic welding electrodes. Atlantic Steel Company. 388,534; July 1; Serial No. 430,848; published Apr. 22, 1941.

CLASS 15

Oil, Lubricating. Quaker Oil Corporation. 388,509; July 1; Serial No. 409,697; published Apr. 22, 1941.

CLASS 16

Cleaner and polish for varnished, enameled, lacquered, or painted surfaces. C. M. Albion. 388,557; July 1; Serial No. 438,103; published Mar. 18, 1941.
Lacquers and varnishes. Roxalin Flexible Lacquer Company. 388,653; July 1; Serial No. 441,145; published Apr. 22, 1941.
Paint, Anti-galvanic black. Red Hand Compositions Company. 388,654; July 1; Serial No. 441,179; published Apr. 22, 1941.
Paints and paste paints, paint enamels, etc., Ready-mixed. Mound City Paint & Color Co. 388,641; July 1; Serial No. 440,872; published Apr. 22, 1941.
Polish, Automobile. B. Weissner. 388,542; July 1; Serial No. 434,767; published Dec. 24, 1940.
Ready-mixed paints, paste paints, varnishes, dry colors, etc. Albert K. Sheldon Company. 148,258; renewed Nov. 8, 1941.
Soft paste paint. Sherwin-Williams Company. 147,167; renewed Oct. 4, 1941.

CLASS 17

Cigars. Daniel Loughran Company. 388,671; July 1.

CLASS 21

Conductors and cables for electrical purposes, Insulated. Okonite Company. 147,802; renewed Nov. 1, 1941.
Electrical mechanism and apparatus. Societe des Moteurs Gnome et Rhone. 141,233; renewed Apr. 12, 1941.

CLASS 23

Lawn-mowers. Dille & McGuire Mfg. Co. 147,985–91; renewed Nov. 8, 1941.
Machines and tools. Hall Hardware Company. 143,970; renewed June 21, 1941.

CLASS 26

Instruments for use in navigation. Societe des Moteurs Gnome et Rhone. 141,234; renewed Apr. 12, 1941.
Tools for mechanics, Precision. Stanley Works. 148,270; renewed Nov. 8, 1941.

CLASS 27

Watches, watch cases, and watch movements. Gruen Watch Company. 388,626; July 1; Serial No. 440,626; published Apr. 22, 1941.
Watches, watch cases, and watch parts. W. A. Muney. 388,630; July 1; Serial No. 440,060; published Apr. 22, 1941.

CLASS 28

Pins and other articles of jewelry not including watches, Fraternity. Phi Epsilon Fraternity, Inc. 388,558; July 1; Serial No. 438,213; published Apr. 8, 1941.

CLASS 29

Toothbrushes. Owens Staple-Tied Brush Company. 388,622; July 1; Serial No. 440,520; published Apr. 22, 1941.

CLASS 30

China and porcelain vases, urns, hair receivers, etc., Table and cooking. M. P. H. Schonfeld. 388,568; July 1; Serial No. 438,906; published Apr. 22, 1941.

CLASS 32

Furniture. Tomlinson of High Point. 388,513; July 1; Serial No. 418,457; published Apr. 22, 1941.
Furniture, Breakfast. D. F. H. Novelty Furniture Co. Inc. 388,588; July 1; Serial No. 439,713; published Apr. 22, 1941.
Mattresses. Paramount Bedding Corporation. 388,596; July 1; Serial No. 440,020; published Apr. 22, 1941.
Mattresses of foam rubber; blocks of foam rubber for fillers for furniture cushions; and mattress foundations. United States Rubber Company. 388,646; July 1; Serial No. 441,039; published Apr. 22, 1941.
Mattresses, studio couches, sofa beds, etc. D. Paransky. 388,687; July 1.

CLASS 33

Glass jars. G. Glocker. 388,672; July 1.
Glass rods, glass tubing and glass containers. Kimble Glass Company. 388,537; July 1; Serial No. 432,642; published Apr. 22, 1941.

CLASS 34

Furnaces, Fluid burning gravity floor. Coleman Lamp and Stove Company. 388,544; July 1; Serial No. 435,785; published Apr. 22, 1941.
Glassware. General Electric Company. 143,348; renewed May 31, 1941.
Pressure and liquid level actuated multiple air vent units and central manual control units for hot water heating systems. Jas. P. Marsh Corporation. 388,525; July 1; Serial No. 428,123; published Apr. 22, 1941.

CLASS 35

Tire casings, Pneumatic. B. F. Goodrich Company. 388,625; July 1; Serial No. 440,623; published Apr. 22, 1941.

CLASS 37

Napkins, table covers, household towels, waxed paper, shelf paper, etc. Zellerbach Paper Company. 388,541; July 1; Serial No. 434,510; published Apr. 22, 1941.
Paper. Froveton Paper Company. 146,241; renewed Sept. 6, 1941.
Paper and cardboard. Strathmore Paper Company. 142,335; renewed May 10, 1941.

CLASS 38

Advertising matter. R. F. Lasker. 388,565; July 1; Serial No. 438,771; published Apr. 8, 1941.
Books. Pocket Books, Inc. 388,686; July 1.
Column or section in a monthly magazine. Parents' Institute, Inc. 388,636; July 1; Serial No. 440,752; published Apr. 22, 1941.
Comic strips. J. Ollendorff. 388,532; July 1; Serial No. 429,317; published Apr. 8, 1941.
Coupons. R. H. McElroy, Jr. 388,518; July 1; Serial No. 422,591; published Apr. 8, 1941.
Greeting cards, tallies, place cards, etc. American Colortype Company. 388,573; July 1; Serial No. 439,186; published Apr. 22, 1941.
Magazine published at recurring intervals. Agricultural Trade Relations, Inc. 388,538; July 1; Serial No. 433,648; published Apr. 15, 1941.
Magazine section. Mock, Judson, Voehringer Co. of New York, Inc. 388,611; July 1; Serial No. 440,289; published Apr. 15, 1941.
Newspaper column. King Features Syndicate, Inc. 388,533; July 1; Serial No. 430,510; published May 28, 1940.
Newspaper section. King Features Syndicate, Inc. 388,591; July 1; Serial No. 439,901; published Apr. 8, 1941.
Publication appearing annually. Fawcett Publications, Inc. 388,555; July 1; Serial No. 437,647; published Apr. 8, 1941.
Publication, Periodical. Board of Home Missions of the Congregational and Christian Churches. 388,677; July 1.
Publication, Periodical. Fawcett Publications, Inc. 388,640; July 1; Serial No. 440,812; published Apr. 22, 1941.
Publication, Periodical. W. A. Grigg. 388,594; July 1; Serial No. 440,004; published Apr. 8, 1941.
Publication, Periodical. Pan American Band Instrument and Case Company. 388,639; July 1; Serial No. 440,787; published Apr. 15, 1941.
Publication, Periodic. J. Ward. 388,552; July 1; Serial No. 437,327; published Apr. 8, 1941.
Publication, Periodical. Pittsburgh Plate Glass Company. 388,543; July 1; Serial No. 435,180; published Apr. 22, 1941.
Publication, Printed. Harley-Davidson Motor Company. 388,621; July 1; Serial No. 440,508; published Apr. 22, 1941.
Publication published from time to time, Periodical. Whitman Publishing Company. 388,523; July 1; Serial No. 427,183; published June 4, 1940.
Publications. Circulation & Market Audits, Inc. 388,521; July 1; Serial No. 426,642; published Apr. 15, 1941.
Scripts for a series of radio broadcasts. Halsell-Humphrey, Incorporated. 388,561; July 1; Serial No. 438,335; published Apr. 15, 1941.

CLASS 39

Coats and jackets, Sport. Congress Shirt Company. 388,566; July 1; Serial No. 438,792; published Apr. 22, 1941.
Coats and jackets. Wilson Brothers. 388,514; July 1; Serial No. 418,850; published Apr. 15, 1941.
Coats and suits. Youthtone Coats & Suits, Inc. 388,682; July 1.
Corsets, corselets, and brassieres. Franceva, Inc. 388,560; July 1; Serial No. 438,331; published Apr. 22, 1941.
Dresses. Dolces Dresses, Inc. 388,601; July 1; Serial No. 440,157; published Apr. 15, 1941.
Dresses. Welby Dresses Incorporated. 388,569; July 1; Serial No. 438,915; published Apr. 15, 1941.
Dresses, Infant's and children's. Callahan-Cohen, Inc. 388,681; July 1.
Fur and fur trimmed coats and jackets. S. Schulman. 388,617; July 1; Serial No. 440,387; published Apr. 22, 1941.
Hair-nets. May Department Stores Company. 147,128; renewed Oct. 4, 1941.
Hair-nets. New York Merchandise Co. 148,186; renewed Nov. 8, 1941.
Hosiery. Continental Hosiery Corp. 388,632; July 1; Serial No. 440,675; published Apr. 15, 1941.
Hosiery. King & Company. 148,109; renewed Nov. 8, 1941.
Hosiery. Watts, Ritter & Company. 148,303; renewed Nov. 8, 1941.
Hosiery. Julius Kayser & Co. 388,623; July 1; Serial No. 440,599; published Apr. 15, 1941.
Hosiery, Men's. Richman Brothers Company. 388,536; July 1; Serial No. 432,491; published Sept. 10, 1940.
Jackets, dresses, coats, etc. Storyk Brothers, Inc. 388,615; July 1; Serial No. 440,348; published Apr. 22, 1941.
Nightgowns and pajamas. Julius Kayser & Co. 388,581; July 1; Serial No. 439,515; published Apr. 22, 1941.
Outer wear, Knitted. Sterling Mills. 388,584; July 1; Serial No. 439,607; published Apr. 22, 1941.
Shirts, shorts, trunks, etc. Stettheimer Co. 388,637; July 1; Serial No. 440,762; published Apr. 22, 1941.
Slips, Ladies'. Winget Kickernick Company. 388,635; July 1; Serial No. 440,737; published Apr. 15, 1941.
Slips, nightgowns, pajamas, etc. N. Edelson Sons. 388,628; July 1; Serial No. 440,647; published Apr. 22, 1941.
Sportswear. Hipsh, Inc. 388,595; July 1; Serial No. 440,006; published Apr. 15, 1941.
Suits. Rosenzweig & Pincus, Inc. 388,556; July 1; Serial No. 437,836; published Apr. 22, 1941.
Suits and coats. Morris Gilbert Company Inc. 388,614; July 1; Serial No. 440,330; published Apr. 22, 1941.
Suits, coats, and dresses. R. Rosenberg. 388,524; July 1; Serial No. 428,087; published Apr. 15, 1941.
Suits, Men's and boys'. Levinsohn Bros. & Co. 388,535; July 1; Serial No. 432,259; published July 23, 1940.
Suits, overcoats, and trousers. I. Splewak & Sons. 147,411; renewed Oct. 11, 1941.
Suits, Play. M. Montgomery Inc. 388,624; July 1; Serial No. 440,607; published Apr. 22, 1941.
Sweaters, Women's, children's, and infants. Spur Knitting Mills, Inc. 388,547; July 1; Serial No. 436,486; published Dec. 10, 1940.
Topcoats and overcoats. Harry Fischer & Company. 388,519; July 1; Serial No. 425,613; published Jan. 16, 1940.
Vests, slips, night gowns, etc. T. Bailey. 388,531; July 1; Serial No. 429,164; published Apr. 22, 1941.

CLASS 40

Lacings, Shoe, corset, underwear, etc. Glencairn Manufacturing Co. 148,049; renewed Nov. 8, 1941.

CLASS 42

Bed spreads and blankets. La Salle & Koch Co. 388,656; July 1; Serial No. 441,208; published Apr. 22, 1941.
Blankets. Chatham Manufacturing Company. 388,650; July 1; Serial No. 441,127; published Apr. 22, 1941.
Corduroy in the piece. Wellington Sears Company. 388,578; July 1; Serial No. 439,376; published Apr. 22, 1941.
Fabrics. Ely & Walker Dry Goods Company. 388,651; July 1; Serial No. 441,130; published Apr. 22, 1941.
Fabrics of silk and silk mixtures in the piece. Cheney Brothers. 143,920; renewed June 21, 1941.
Fabrics, Textile in the piece. Kemp & Beatley, Inc. 388,643; July 1; Serial No. 440,988; published Apr. 22, 1941.
Veils, veilings, and nettings in the piece. Van Raalte Company. 147,182; renewed Oct. 4, 1941.

CLASS 43

Thread. American Thread Company. 388,530; July 1; Serial No. 429,157; published Apr. 1, 1941.
Threads of flax, hemp, tow, etc. Blackstaff Flax Spg. & Wvg. Co. Ltd. 147,930; renewed Nov. 8, 1941.
Yarns. American Silk Spinning Co. 388,589; July 1; Serial No. 439,768; published Apr. 8, 1941.
Yarns. H. Weissberg. 148,308; renewed Nov. 8, 1941.

CLASS 44

Dental supplies. Acralite Co. 388,648; July 1; Serial No. 441,070; published Apr. 22, 1941.
Materials for repairing teeth. F. A. Slack, Jr. 388,574; July 1; Serial No. 439,211; published Apr. 22, 1941.

CLASS 46

Bakery products. National Biscuit Company. 388,522; July 1; Serial No. 426,956; published Apr. 22, 1941.
Bread. Bak-Kraft Corporation, Ltd. 388,576; July 1; Serial No. 439,329; published Apr. 22, 1941.
Candy. M. M. Green. 388,612; July 1; Serial No. 440,302; published Apr. 22, 1941.
Canned beans in chile gravy. Kuner Empson Co. 388,563; July 1; Serial No. 438,544; published Apr. 22, 1941.
Canned cherries. Fruit Growers Co-Operative. 388,603; July 1; Serial No. 440,197; published Apr. 22, 1941.
Canned meat loaves. John Morrell & Co. 388,579; July 1; Serial No. 439,468; published Apr. 22, 1941.

Cantaloups, cauliflower, onions, etc., Fresh. W. E. Urick. 144,960; renewed July 19, 1941.
Certain named foods. Twitchell-Champlin Company. 147,040; renewed Sept. 27, 1941.
Cherries, Bottled maraschino. Liberty Cherry & Fruit Co. Inc. 388,675; July 1.
Cherries, Bottled maraschino. Van Dyk & Reeves, Inc. 388,676; July 1.
Coconut. Dodwell & Company, Ltd. 388,528; July 1; Serial No. 428,685; published Apr. 22, 1941.
Eggs. Poultry Producers of Central California, Inc. 146,334; renewed Sept. 6, 1941.
Flour, Wheat. John W. Bishop Company. 388,597; July 1; Serial No. 440,037; published Apr. 22, 1941.
Food, Cat. French Sardine Co. 388,570; July 1; Serial No. 438,926; published Apr. 22, 1941.
Food products. General Mills, Inc. 388,674; July 1.
Food, Scratch. Kroger Grocery & Baking Company. 388,583; July 1; Serial No. 439,599; published Apr. 22, 1941.
Food ingredients. International Vitamin Corp. 388,577; July 1; Serial No. 439,345; published Apr. 22, 1941.
Fruit preserves. Oelerich & Berry Company. 388,610; July 1; Serial No. 440,260; published Apr. 22, 1941.
Honey. Clover Gold Packers. 388,559; July 1; Serial No. 438,230; published Apr. 22, 1941.
Ice cream. Pangburn Company. 388,527; July 1; Serial No. 428,661; published Apr. 22, 1941.
Macaroni, spaghetti, noodles, etc. Foulds Milling Company. 388,546; July 1; Serial No. 436,120; published Apr. 22, 1941.
Milk beverage, Prepared malted. R. M. Detwiler. 388,679; July 1.
Milk, Condensed. Nestlé's Food Company. 145,758; renewed Aug. 16, 1941.
Milk, Condensed. Nestlé's Food Company. 147,140; renewed Oct. 4, 1941.
Milk, Evaporated. Nestlé's Food Company. 147,139; renewed Oct. 4, 1941.
Milk, Malted. Nestlé's Food Company. 145,757; renewed Aug. 16, 1941.
Milk, Sterilized. Nestlé's Food Company. 145,759; renewed Aug. 16, 1941.
Oleomargarine. Capital City Products Company. 388,673; July 1.
Oleomargarine. Harrow-Taylor Butter Co. 146,245; renewed Sept. 6, 1941.
Peanut butter. Woodwards, Incorporated. 388,517; July 1; Serial No. 422,162; published Apr. 22, 1941.
Peanuts in the shell. Franklin Peanut Company. 148,031; renewed Nov. 8, 1941.
Pie crust dough, Ready mixed. Modern Foods, Inc. 388,684; July 1.
Potatoes. C. O. Buzzell. 388,683; July 1.
Tea. J. Tetley & Co., Inc. 388,604; July 1; Serial No. 440,224; published Apr. 22, 1941.
Vegetables, kraut, and pork and beans, Canned. Marshall Canning Company. 143,682; renewed June 7, 1941.

CLASS 47

Champagne. Henry Kelly & Sons, Inc. 388,678; July 1.
Whiskey. L. Moyle. 388,554; July 1; Serial No. 437,599; published Apr. 22, 1941.
Whiskey, Scotch. Geo. G. Sandeman, Sons & Co. 388,564; July 1; Serial No. 438,631; published Apr. 22, 1941.
Wines. Transamerica Wine Corp. 388,575; July 1; Serial No. 439,212; published Apr. 22, 1941.

CLASS 48

Ale and porter. Rainier Brewing Company. 388,649; July 1; Serial No. 441,107; published Apr. 22, 1941.
Malt extracts, Non-alcoholic liquid and semiliquid. Malt-Diastase Company. 145,409; renewed Aug. 2, 1941.

CLASS 49

Brandies, cognac, anise, etc. Sanchez Romate Hermanos, S. A. 388,571; July 1; Serial No. 439,076; published Apr. 22, 1941.
Brandy. Alexander Young Distilling Co. 388,599; July 1; Serial No. 440,078; published Apr. 22, 1941.
Liqueurs, cordials, brandies, etc. Arrow Distilleries, Inc. 388,664; July 1; Serial No. 441,464; published Apr. 22, 1941.
Rum. J. H. Cerecedo. 388,680; July 1.
Whiskey. Bloomingdale Bros. Inc. 388,548; July 1; Serial No. 437,054; published Apr. 22, 1941.
Whiskey. Mid-Valley Distilling Corp. 388,609; July 1; Serial No. 440,258; published Apr. 22, 1941.
Whiskey. Mid-Valley Distilling Corporation. 388,644; July 1; Serial No. 441,028; published Apr. 22, 1941.
Whiskey. J. C. Millett Co. 388,659; July 1; Serial No. 441,361; published Apr. 22, 1941.
Whiskey, Blended. Ben-Burk, Inc. 388,658; July 1; Serial No. 441,304; published Apr. 22, 1941.
Whiskey, gin, rum, etc. Joseph S. Finch and Company. 388,661–2; July 1; Serial Nos. 441,397–8; published Apr. 22, 1941.
Whiskey, gin, rum, etc. Greenbros. Inc. 388,634; July 1; Serial No. 440,720; published Apr. 22, 1941.

CLASS 50

Aluminum plate for photoline and direct image work in lithography. Davidson Manufacturing Corporation. 388,619; July 1. Serial No. 440,447; published Apr. 22, 1941.
Leather cloth. Athol Manufacturing Company. 388,590; July 1; Serial No. 439,791; published Apr. 22, 1941.
Leg-rings used as poultry-markers. M. Bayerdorfer. 147,919; renewed Nov. 8, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Steel and Wire Company of New Jersey, The. (See Thompson, James R., assignor.)
Balachowsky, Georges, Paris, France, assignor to General Electric Company, New York, N. Y. Electric circuit breaker. Re. 21,848; July 1.
Bernfeld, James, Newark, N. J., assignor to The Hoover Company, North Canton, Ohio. Dust deflector. Re. 21,847; July 1.
General Electric Company. (See Balachowsky, Georges, assignor.)
Hoover Company, The. (See Bernfeld, James, assignor.)
Schwebs, Kent, Hortonville, Wis. Refrigerator freight car. Re. 21,849; July 1.
Thompson, James R., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Protective covering for gondola cars. Re. 21,851; July 1.
Thomson, John B., Flushing, N. Y. Airplane structural element. Re. 21,850; July 1.

LIST OF PLANT PATENTEES

Honaker, Ollie S., Lexington, Ky. Carnation plant. 478; July 1.

LIST OF DESIGN PATENTEES

Aghnides, Elie, New York, N. Y. Ash tray for cigarettes and the like. 128,036; July 1.
Andrée, Gilberte, New York, N. Y. Dress ensemble. 128,090; July 1.
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Babcock, David L., and T. G. Clement, assignors to Eastman Kodak Company, Rochester, N. Y. Lantern slide holder. 127,986; July 1.
Babinchak, Stephen, New York, N. Y. Beach slipper. 127,987; July 1.
Bersin, Albert, Brooklyn, N. Y. Curtain display rack. 127,988; July 1.
Bingham, George H. Jr., assignor to Cambridge Rubber Co., Cambridge, Mass. Shoe. 128,091; July 1.
Brodton, Lynn, Collingswood, N. J. Flash light or similar article. 127,989; July 1.
Brodton, Lynn, Collingswood, N. J. Flash light, or similar article. 128,011; July 1.
Bunting Glider Company. (See Goldberg, Aaron S., assignor.)
Callite Tungsten Corporation. (See Kurtz, J., and Spina, assignors.)
Cambridge Rubber Co. (See Bingham, George H., Jr., assignor.)
Carlson, Ralph G., assignor to Crane Co., Chicago, Ill. Valve. 127,961; July 1.
Carver, Horace N., Wichita, Kans. Reflecting road signal. 128,037; July 1.
Clement, Theodore G. (See Babcock, D. L., and Clement.)
Concord Silversmiths, Ltd. (See Walker, Ernest W., assignor.)
Collura, Francesco G., New York, N. Y., assignor to Keuffel & Esser Company, Hoboken, N. J. Lettering scriber. 127,962; July 1.
Copeland, Jo, New York, N. Y. Dress. 128,076; July 1.
Crane Co. (See Carlson, Ralph G., assignor.)
Das, Elsie J., assignor to Watumull Brothers, Honolulu, Hawaii. Textile fabric. 128,038; July 1.
Dick, Samuel H., Brooklyn, N. Y. Coat. 128,061; July 1.
Dorian, Miguel, New York, N. Y. Dress. 128,092; July 1,
Douglas Aircraft Company. (See Heinemann, E. H., and Englebert, assignors.)
Eastman Kodak Company. (See Babcock, D. L., and Clement, assignors.)
Eckhardt, Walter L., Overbrook, assignor to Hygeian Corporation, Philadelphia, Pa. Combined sterilizing cabinet and toilet seat. 127,990; July 1.
Ehrlich, Rose, assignor to Lapin Products, Inc., New York, N. Y. Sunglasses. 128,062; July 1.
Electric Service Supplies Company. (See Graham, Herbert J., assignor.)
Elting, August O., Chicago, Ill. Lamp head. 128,012; July 1.
Elting, August O., Chicago, Ill. Lamp head. 128,013; July 1,
Elting, August O., Chicago, Ill. Lamp head. 128,014; July 1,
Elting, August O., Chicago, Ill. Lamp head. 128,015; July 15.
Elting, August O., Chicago, Ill. Lamp head. 128,016; July 1.
Elting, August O., Chicago, Ill. Lamp head. 128,017; July 1.
Elting, August O., Chicago, Ill. Lamp head. 128,018; July 1.
Elting, August O., Chicago, Ill. Lamp head. 128,019; July 1.
Elting, August O., Chicago, Ill. Lamp head. 128,020; July 1.
Elting, August O., Chicago, Ill. Lamp head. 128,021; July 1.
Elting, August O., Chicago, Ill. Lamp head. 128,022; July 1.
Elting, August O., Chicago, Ill. Lamp head. 128,023 July 1.
Elting, August O., Chicago, Ill. Lamp head. 128,024; July 1.
Emde, Kurt, Itasca, assignor to Zenith Radio Corporation, Chicago, Ill. Radio antenna. 128,025; July 1.
Englebert, Ernest J. (See Heinemann, E. H., and Englebert.)
Erdos, Arpad, Astoria, Long Island, N. Y. Christmas tree ornament or the like. 128,039; July 1.
Fairbanks, Morse & Co. (See Vogel, Edward A., assignor.)
Feinberg, Elliott H., New York, N. Y. Golf overshoe or similar article. 127,991; July 1.
Marshall Field & Company. (See Shepard, Dorothy, assignor.)
Fontana, Beulah, New York, N. Y. Dress. 128,093; July 1.
Fortener, Anthony B., Miamisburg, Ohio. Combined toilet paper holder and ash tray. 128,040; July 1.
Franklin, Sylvia, New York, N. Y. Dress. 128,077; July 1.
Franklin, Sylvia, New York, N. Y. Dress. 128,078; July 1.
Franklin, Sylvia, New York, N. Y. Dress. 128,079; July 1.
Franklin, Sylvia, New York, N. Y. Dress. 128,080; July 1.
Franklin, Sylvia, New York, N. Y. Dress. 128,081; July 1.
Franklin, Sylvia, New York, N. Y. Dress. 128,094; July 1.
Frigid Fluid Company. (See Kaiser, Ernest H., assignor.)
Fromm, Edward, Hamburg, Wis. Cape. 128,063; July 1.
Fromm, Edward, Hamburg, Wis. Coat. 128,064; July 1.
Fromm, Edward, Hamburg, Wis. Cape. 128,065; July 1.
Funk, Truman B., assignor to Yard-Man, Inc., Jackson Mich. Hand grip for a lawn mower handle. 128,041; July 1.
Furedy, Frank, assignor to Sun-Kraft, Inc., Chicago, Ill. Therapeutic lamp. 128,026; July 1.
Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Glider. 127,963; July 1.
Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Glider. 127,964; July 1.
Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Glider. 127,965; July 1.
Goodyear Footwear Corporation. (See Hard, John E., assignor.)
Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Lighting fixture. 128,042; July 1.

Grau, Albert D., Tacoma, Wash. Casing, for a juice extractor or the like. 128,043; July 1.
Gray, Amelia C., Gaylord, Minn. Badge. 128,044; July 1.
Greene, Beatrice, New York, N. Y. Dress. 128,082; July 1.
Greene, Beatrice, New York, N. Y. Dress. 128,083; July 1.
Greene, Beatrice, New York, N. Y. Dress. 128,095; July 1.
Greene, Beatrice, New York, N. Y. Dress. 128,096; July 1.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Tray or similar article. 127,992; July 1.
Hard, John E., Cranston, assignor to Goodyear Footwear Corporation, Providence, R. I. Overshoe or similar waterproof article. 127,993; July 1.
Hard, John E., Cranston, assignor to Goodyear Footwear Corporation, Providence, R. I. Overshoe or similar waterproof article. 127,994; July 1.
Harris, Clinton H., assignor to International Industries, Inc., Ann Arbor, Mich. Photographic camera. 127,995; July 1.
Harris, Clinton H., assignor to International Industries, Inc., Ann Arbor Mich. Camera. 127,996; July 1.
Haubein, Harold L., Lockwood, Mo. Belt for bait lure. 128,066; July 1.
Heinemann, Edward H., and E. J. Englebert, Los Angeles, assignors to Douglas Aircraft Company, Incorporated, Santa Monica, Calif. Attack bomber airplane. 128,027; July 1.
Herbster, George, Cleveland, Ohio. Heater cabinet. 128,028; July 1.
Herbster, George, Cleveland, Ohio. Heater cabinet. 128,029; July 1.
Herbster, George, Cleveland, Ohio. Heater cabinet. 128,030; July 1.
Herbster, George, Cleveland, Ohio. Heater cabinet. 128,031; July 1.
Hollywood Silk Mills. (See Minger, Robert E. assignor.)
Holsclaw, Neil, Chicago, Ill. Case for mechanized razors. 128,032; July 1.
Hygeian Corporation. (See Eckhardt, Walter L., assignor.)
International Industries, Inc. (See Harris, Clinton H., assignor.)
Kaiser, Ernest H., Chicago, Ill., assignor to Frigid Fluid Company. Embalmer's table. 128,045; July 1.
Karoff, Robert B., New York, N. Y. Combined stand, mirror, and containers for perfumery or the like. 128,067; July 1.
Karoff, Robert B., New York, N. Y. Combined stand, and container for perfumery or the like. 128,068; July 1.
Karpies, Franklin E., New York, N. Y. Earring or similar article of manufacture. 128,046; July 1.
Karpies, Franklin E., New York, N. Y. Earring or similar article of manufacture. 128,047; July 1.
Kaufman, Stella B., New York, N. Y. Dress ensemble. 128,084; July 1.
Kaufman, Stella B., New York, N. Y. Dress. 128,097; July 1.
Kaufman, Stella B., New York, N. Y. Dress. 128,098; July 1.
Kaufman, Stella B., New York, N. Y. Dress ensemble. 128,099; July 1.
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Keuffel & Esser Company. (See Collura, Francesco G., assignor.)
Kingsburg, Leo, New York, N. Y. Belting. 128,069; July 1.
Klaus, John, Boulder, Colo. Table fork. 127,997; July 1.
Klein, Harry, New York, N. Y. Stuffed toy. 128,048; July 1.
Kurtz, Jacob, Teaneck, and J. Spina, Cliffside Park, assignors to Callite Tungsten Corporation, Union City, N. J. Fluorescent lamp fixture. 128,049; July 1.
Lang, William A. (See Whyte, D. D., and Lang.)
Lapin Products, Inc. (See Ehrlich, Rose, assignor.)
La Roe, Mary B., Terrell, Tex. Christmas stocking. 128,050; July 1.
Lathey, Myron A., Ottawa, Ontario, Canada. Safety paper. 128,051; July 1.
Le Graffe, John, Los Angeles, Calif. Dinner plate. 127,998; July 1.
Lewis, David, New York, N. Y. Handbag. 128,087; July 1.
Lewis, David, New York, N. Y. Handbag. 128,088; July 1.
Lewis, David, New York, N. Y. Handbag. 128,089; July 1.
Lubin, Henry G. (See Vivaudou, J. E., and Lubin.)
Markham, William B., Denver, Colo. Game device. 127,966; July 1.
Marley Tile Company Limited, The. (See Steinhard, Ernst, assignor.)
McMahon, Bernard F. (See Travis, J. M., and McMahon.)
Mellinger, Arthur G., Lancaster, Pa. Dispensing cap for containers. 128,075; July 1.
Meyer, Maximilian C., Brooklyn, N. Y. Base, for a display stand or the like. 127,967; July 1.
Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 127,969; July 1.
Meyers, Louis, Cedarhurst, N. Y. Sweater. 127,968; July 1.
Meyers, Louis, Cedarhurst, N. Y. Sweater. 128,033; July 1.
Mitchell, Bernard A., Chicago, Ill. Fluorescent bed lamp. 128,053; July 1.
Mitchell, Bernard A., Chicago, Ill. Fluorescent bed lamp. 128,054; July 1.
Minger, Robert E., Manhattan Beach, assignor to Hollywood Silk Mills, Los Angeles, Calif. Textile fabric or similar article. 128,052; July 1.
Multiplex Faucet Company. (See Travis, J. M., and McMahon, assignors.)
Myers, Benjamin C., Trenton, N. J. Measuring device. 127,970; July 1.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 128,100; July 1.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 128,101; July 1.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 128,102; July 1.
Nathanson, Philip, New York, N. Y. Woven textile fabric. 127,999; July 1.
Newsome, Howard P. G., New Orleans, La. Golf club head. 128,055; July 1.
Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone meter. 128,056; July 1.
Obstfeld, Lou, assignor of one-half to A. Obstfeld, New York, N. Y. Stapling machine. 128,000; July 1.
Obstfeld, Abraham. (See Obstfeld, Lou, assignor.)
Ollinger, Everette, Pocahontas, Iowa. File holder. 128,001; July 1.
Olney, Nathaniel M., Jersey City, N. J. Garment hanger. 128,002; July 1.
Page, Richard W. (See Roney, J. F., and Page.)
Parrish, Carl C., assignor to Porter-Steel Specialties, Shelbyville, Ind. Sight open plate for carpent sweepers. 128,003; July 1.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Escutcheon plate for stoves or the like. 127,971; July 1.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Lamp shade. 128,034; July 1.
Ponzio, Mae, Atlantic Beach, N. Y. Dress ensemble. 128,103; July 1.
Porter-Steel Specialties. (See Parrish, Carl C., assignor.)
Replogle, Luther I., Oak Park, assignor to Replogle Globes, Inc., Chicago, Ill. Phonograph record holder. 127,972; July 1.
Replogle, Luther I., Oak Park, assignor to Replogle Globes, Inc., Chicago, Ill. Phonograph record holder. 127,973; July 1.
Replogle Globes, Inc. (See Replogle, Luther I., assignor.)
Reynolds, Edwin, Vineland, N. J. Temple member for spectacles or similar article. 128,004; July 1.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 128,005; July 1.
Rock-Ola Manufacturing Corp. (See Rockola, David C., assignor.)
Roney, John F., and R. W. Page, Hollywood, Calif., assignors to Safway Steel Scaffolds Co. of Wisconsin, Wauwatosa, Wis. Portable grandstand frame. 128,057; July 1.
Roper, Geo. D., Corporation. (See Pellegrin, Elmer D., assignor.)
Rosenberg, David J., New York, N. Y. Vest or similar article. 128,070; July 1.
Rueger, Emma L., Piedmont, Calif. Hair wave protector. 128,085; July 1.
Safway Steel Scaffolds Co. of Wisconsin. (See Roney, J. F., and Page, assignors.)
Saltman, David J., Los Angeles, Calif. Chest of drawers or similar article. 128,006; July 1.
Saltzman, Morris, New York, N. Y. Hood or similar article. 128,071; July 1.
Sargeant, Joseph J., Naugatuck, Conn. Dart board. 127,974; July 1.
Schneider, Laura M., New York, N. Y. Wrist-bag. 127,975; July 1.
Shepard, Dorothy, assignor to Marshall Field & Company, Chicago, Ill. Wrapping paper. 127,976; July 1.
Shepherd, Nathaniel T., Chicago, Ill. Posture chair. 127,977; July 1.
Schultz, Troy E., Kankakee, Ill. Head for a shipping container. 128,058; July 1.
Sierad, Albert E., Larchmont, N. Y. Combined support and containers for perfumery. 128,007; July 1.
Silvers, Jim I., Chicago, Ill. Clock. 128,008; July 1.
Singer, Jack, New York, N. Y. Snap-on button or similar article. 128,072; July 1.
Singer, Jack, New York, N. Y. Snap-on button or similar article. 128,073; July 1.
Singer, Jack, New York, N. Y. Snap-on button or similar article. 128,074; July 1.
Spina, Joseph. (See Kurtz, J., and Spina.)
Steinhard, Ernst, London, assignor to The Marley Tile Company Limited, Riverhead, Sevenoaks, England. Building block. 128,059; July 1.
Sturm, Erich J. P., Danville, Calif. Game board. 127,978; July 1.
Swartz, Fred A., Harrisburg, Pa. Support for spectacles or the like. 128,009; July 1.

Sun-Kraft, Inc. (See Furedy, Frank, assignor.)
Tetreault, Mary E., New York, N. Y. Dress. 128,086; July 1.
Travis, John M., St. Louis, and B. F. McMahon, St. Louis County, assignors to Multiplex Faucet Company, St. Louis, Mo. Beverage dispensing container. 127,979; July 1.
Vivaudou, Jean E., and H. G. Lubin, New York, N. Y. Sachet. 127,980; July 1.
Vivaudou, Jean E., and H. G. Lubin, New York, N. Y. Sachet. 127,981; July 1.
Vivaudou, Jean E., and H. G. Lubin, New York, N. Y. Sachet. 127,982; July 1.
Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto electric generator. 128,035; July 1.
Wackman, Louis B., Richmond Heights, Mo. Can or similar article. 128,060; July 1.
Walker, Ernest W., assignor to Concord Silversmiths, Ltd., Concord, N. H. Spoon or other article of flatware. 128,010; July 1.
Watumull Brothers. (See Das, Elsie J., assignor.)
Wechsler, Heinrich, New York, N. Y. Brush. 127,983; July 1.
Whyte, Daniel D., Brooklyn, N. Y., and W. A. Lang, Springfield, Mass.; said Lang assignor to said Whyte. Thermometer. 127,984; July 1.
Yard-Man, Inc. (See Funk, Truman B., assignor.)
Zenith Radio Corporation. (See Emde, Kurt, assignor.)
Zurawin, Raymond, New York, N. Y. Fruit juice extractor or the like. 127,985; July 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A/S Fisker & Nielsen. (See Fisker, Peder A., assignor.)
Abbey Photo Corporation. (See Hartman, L., and Prager, assignors.)
Abbot, Charles G., Washington, D. C. Solar heater. 2,247,830; July 1.
Abrams, Victor R. (See Mosmovics, F. E., and Abrams.)
Ackerman, Harold S., Aspinwall, Pa. Heating boiler. 2,247,796; July 1.
Ackermann, Otto, Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Expulsion-type excess-voltage protective tube. 2,247,352; July 1.
Adams, Harold A., assignor of one-half to E. R. Arnold, Bakersfield, Calif. Constructor's lever and gauge. 2,247,541; July 1.
Adlake Company, The. (See Stewart, Lemuel L., assignor.)
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive booster. 2,247,429; July 1.
Aktiengesellschaft Brown, Boveri & Cie. (See Meyer, Adolf, assignor.)
Alba Pharmaceutical Company. (See Klarer, Josef, assignor.)
Alexander, George W., Boston, Mass. Batteryless flashlight. 2,247,901; July 1.
Alexander, W. M. (See Sostrin, S. Z., and Dembicki, assignors.)
Allis-Chalmers Manufacturing Company. (See Frudden, C. E., Tanke, and Buhr, assignors.)
Allison Company, The. (See Allison, Hugh V., assignor.)
Allison, Hugh V., Fairfield, assignor to The Allison Company, Bridgeport, Conn. Abrasive article and manufacturing the same. 2,248,031; July 1.
Allison, William D., assignor to Hudson Motor Car Company, Detroit, Mich. Clutch shaft coupling. 2,247,463; July 1.
Aluminum Company of America. (See Wall, James R., assignor.)
American Air Filter Company, Inc. (See Sylvan, Stig G:Son, assignor.)
American Brake Shoe and Foundry Company, The. (See Herron, Frank T., assignor.)
American Houses, Inc. (See McLaughlin, Robert W., Jr., assignor.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Optical Company. (See Beitel, Robert J., Jr., assignor.)
American Optical Company. (See Goddu, Lloyd W., assignor.)
American Optical Company. (See Nerney, George E., assignor.)
American Steel Foundries. (See Cottrell, Robert B., assignor.)
Ames, Butler, Boston, Mass. Cooking apparatus. 2,247,626; July 1.
Anderson, Carl O. (See Carroll, F. M., and Anderson.)
Anderson, Harry, Valparaiso, Ind. Micrometric gauge. 2,247,797; July 1.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Thermostatic air conditioning control. 2,247,542; July 1.
Andrews, Eleanor U. (See Moskovics, F. E., and Abrams, assignors.)
Angell, Charles H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,247,740; July 1.
Animal Trap Company of America. (See Dougherty, Frank H., assignor.)
Animal Trap Company of America. (See Graybill, Hershey R., assignor.)
Animal Trap Company of America. (See Lehn, John U., assignor.)
Antrim, Louis C., New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 2,247,765; July 1.
Armbrust, Henry N., assignor to Proportioneers, Inc., Providence, R. I. Injection nozzle. 2,247,568; July 1.
Armour and Company. (See Ralston, A. W., and Hopkins, assignors.)
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works and Manufacturing Company. Road grader. 2,247,345; July 1.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works and Manufacturing Company. Road grader. 2,247,464; July 1.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works and Manufacturing Company. Road grader. 2,247,982; July 1.
Arnold, Edwin. (See Chadder, W. J., Spiers, and Arnold.)
Arnold, E. Roscoe. (Se Adams, Harold A., assignor.)
Asch, Sunny, and D. E. Robinson, New York, N. Y. Waterproof hosiery protector. 2,247,831; July 1.
Associated Electric Laboratories, Inc. (See Burgener, Karl L., assignor.)
Atlantic Refining Company, The. (See Harrison, Donald B., assignor.)
Atlantic Refining Company, The. (See Mersberger, Arthur B., assignor.)
Atlas Powder Company. (See Huyett, Daniel D., assignor.)
Atwood, John B., and D. R. Goddard, Riverhead, N. Y., assignors to Radio Corporation of America. Piezoelectric crystal holder. 2,247,627; July 1.
Auer, László, Taunton, Mass. Sizing textiles. 2,247,353; July 1.
Autographic Register Company. (See Antrim, Louis C., assignor.)
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Automatic Devices Corporation. (See Cohen, Joseph H., assignor.)
Automatic Devices Corporation. (See Lehmann, Herbert G., assignor.)
Automotive Improvements Patents Corporation. (See Burtnett, Everett R., assignor.)
Ayres, Arthur U., Chestnut Hill, assignor to The Sharples Corporation, Philadelphia, Pa. Refining of fatty oils. 2,247,430; July 1.
Babcock & Wilcox Company, The. (See Kerr, H. J., and Woolley, assignors.)
Baehr, Hans, Leuna, Germany, assignor, by mesne assignments, to W. E. Currie, New York, N. Y. Dehydrogenation of hydrocarbons. 2,247,465; July 1.
Bahr, Gustave F., assignor to Casco Products Corporation, Bridgeport, Conn. Thermal-responsive device. 2,247,902; July 1.
Baker, Leonard, Hillsdale, N. J., and L. C. Williams, assignors to Dexter Folder Company, Pearl River, N. Y. Sheet feeding apparatus. 2,247,466; July 1.
Baldwin Company, The. (See Morse, A. H., and Pieper, assignors.)
Bancroft, George B. (See Mitchell, Roscoe A., assignor.)
Barbour Welting Company. (See Vizard, William C., assignor.)
Barker, George J., and E. Truog, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Treating clays. 2,247,467; July 1.
Barnes Drill Company. (See Johnson, Albert M., assignor.)
Barnes Drill Company. (See Caldwell, Harry J., assignor.)
Barr, Forrest L., and C. W. Ulrich, assignors of thirty per cent to R. J. Thorn, forty per cent to said Ulrich, and thirty per cent to said Barr, Chicago, Ill. Automatic attenuation circuit. 2,247,468; July 1.
Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Vibratory motor. 2,247,469; July 1.
Barry, William C. (See Henry, Harold G., assignor.)
Barth, Gustav, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Amplifying apparatus. 2,247,983; July 1.
Bartholomew, Fred R., Minneapolis, Minn. Method and apparatus for doing hectograph and other printing. 2,247,934; July 1.
Baskerville, Ralph J. (See Thumin, C., and Baskerville.)
Bastian-Blessing Company, The. (See De Stefani, Tully, assignor.)
Bastian-Blessing Company, The. (See Johnson, H. K., and La Rue, assignors.)
Baur, John W. (See Damon, R. H., Rogier, Baur, and Kulo.)
Baumann, Carl A., Oak Park, Ill. Saxophone cord. 2,247,867; July 1.
Bayer, Otto. (See Spielberger, T., Bayer, and Bunge.)
Bayeri, Victor, Berlin, assignor to Carbo-Norit-Union Verwaltungs-Gesellschaft m. b. H., Frankfort-on-the-Main, Germany. Recovery of hydrocarbons. 2,247,594; July 1.
Bean, Robert F., Bridgeport, Conn., assignor to General Electric Company. Shaver. 2,247,798; July 1.
Beasley, Olson B., Newark, N. J. Electrical cord extension device. 2,247,868; July 1.
Bedell, Sidney J., Brooklyn, and E. Glasser, Woodside, Long Island, N. Y. Apparatus for pressing garments. 2,247,935; July 1.

Beekhuis, Herman A., Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y. Separation of nitrosyl chloride and chlorine. 2,247,470; July 1.
Beers, John R., Bloomfield, N. J. Heater element for cathodes used in radio tubes, and making the same. 2,247,869; July 1.
Behrens, Albert G., Camden, N. J. Sanitary attachment for dairy cows. 2,247,431; July 1.
Beitel, Robert J., Jr., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 2,247,628; July 1.
Bell, Angus S., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of yarns. 2,247,471; July 1.
Bell Telephone Laboratories, Incorporated. (See Bishop, Walter M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harrison, H. C., and Pollard, assignors.)
Bell Telephone Laboratories, Inc. (See Michaels, Simon E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Newhouse, Russell C., assignor.)
Bell Telephone Laboratories Incorporated. (See Phipps, G. S., and Schumacher, assignors.)
Bell Telephone Laboratories, Incorporated. (See Potter, Ralph K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Terry, Roy V., assignor.)
Beller, Hans, and E. V. Fasce, Baton Rouge, La., assignors to Jasco Incorporated. Washing, wetting, and emulsifying agent. 2,247,741; July 1.
Bensinger, Wolf-Dietrich, Berlin-Adlershof, R. Jansen, Berlin-Johannisthal, and O. Wetzold, Berlin-Adlershof, Germany. Packing for rotary valves in internal combustion engines. 2,247,984; July 1.
Berger, Samuel I., assignor to Unique Art Manufacturing Co., Inc., Newark, N. J. Toy. 2,247,354; July 1.
Bernstein, Samuel S., Los Angeles, Calif. Rubberized spring construction. 2,247,543; July 1.
Besler, William J., Plainfield, N. J. Marine propulsion system. 2,247,595; July 1.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,247,742; July 1.
Beverage, Harold H., Riverhead, N. Y., assignor to Radio Corporation of America. Antenna. 2,247,743; July 1.
Bibb, Carlisle H. (See Palmer, R. C., and Bibb.)
Bible, Walter E., assignor to The Western Battery and Supply Company, Denver, Colo. Vacuum cleaner. 2,247,472; July 1.
Binder, Frederick G., Philadelphia, Pa., assignor to Dexter Folding Company, Pearl River, N. Y. Sheet feeding apparatus. 2,247,473; July 1.
Birdseye, Clarence, and P. Deren, assignors, by mesne assignments, to Birdseye Electric Corporation, Gloucester, Mass. Manufacture of reflecting lamps. 2,247,432; July 1.
Birdseye Electric Corporation. (See Birdseye, C., and Deren, assignors.)
Bishop, Walter M., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus casing. 2,247,936; July 1.
Bittorf, Louis A., and F. Decker, Jr., assignors to National Manufacturing Co., Sterling, Ill. Latch structure. 2,247,937; July 1.
Blair, Samuel, Edgewood, R. I. Dyeing apparatus. 2,247,346; July 1.
Blessing, Gregory W., Moorestown, N. J., assignor to Radio Corporation of America. Motor. 2,247,648; July 1.
Bloch, Jules, et al. (See Holden, George, assignor.)
Boardman, Whitlock, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding chair. 2,247,799; July 1.
Boer, Arpad, Martinez, Argentina. Apparatus for the electrical separation of comminuted materials. 2,247,596; July 1.
Boerger, Martin G., assignor to Modine Manufacturing Company, Racine, Wis. Cutoff machine. 2,247,766; July 1.
Bofenkamp, Frank W., and J. W. Sabino, Albuquerque, N. Mex. Display rack. 2,247,597; July 1.
Bohlen, Ovid L., Los Angeles, Calif. Bed. 2,247,598; July 1.
Böhm, Otto, Hillwood Grove, Hutton, Brentwood, England, assignor to Radio Corporation of America. Radio aerial system. 2,247,744; July 1.
Bollenrath, Franz. (See Rohn, W., Bollenrath, and Cornelius.)
Bolton, James F., Heywood, England. Traversible carriage used in rectangular sprinkler installations for treating sewage. 2,247,433; July 1.
Borg-Warner. (See Nutt, Harold, assignor.)
Borgward, Carl, Bremen, Germany. Control gear for motor vehicles with four wheel steering arrangement. 2,247,985; July 1.
Bornstein, Leopold. (See Rostler, F., Mehner, and Bornstein.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Jauch, Otto, assignor.)
Bottino, Carl L. (See Johnson, C. W. J., and Bottino.)
Bour, Robert C., assignor to Ditto, Incorporated, Chicago, Ill. Bright copying hectograph blanket. 2,247,347; July 1.

Bowan, Walter J. (See Mueller, F. H., Bowan, and Fawley.)
Bowan, Walter J., assignor to Mueller Co., Decatur, Ill. Corporation stop and tool. 2,247,428; July 1.
Bowen, S. R., Co. (See Phipps, John T., assignor.)
Bower, Raymond G., Bloomfield Hills, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,247,938; July 1.
Bowers, Earl E., Lebanon, and C. M. Tumey, Indianapolis, Ind. Rotary engine. 2,247,474; July 1.
Bowling Patents Management Corporation. (See Schmidt, Gottfried J., assignor.)
Bowser, S. F., Company. (See Damon, R. H., Rogier, Baur, and Kulo, assignors.)
Boyer, Harold H., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric connector. 2,247,767; July 1.
Boyton, John C. (See Tepel, Herman A., assignor.)
Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,247,903; July 1.
Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration 2,247,904; July 1.
Brader, Ralph A., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetizer. 2,247,745; July 1.
Brandenburg, Hermann, Berlin-Tempelhof, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Typographical slug casting machine. 2,247,986; July 1.
Brant, Geral C., Jr., Alexandria, Va. Memorandum device or the like. 2,247,599; July 1.
Bray, Ulric B., Palos Verdes Estates, and D. E. Carr, assignors to Union Oil Company of California, Los Angeles, Calif. Modified lubricating oil 2,247,475; July 1.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Motor fuel. 2,247,476; July 1.
Brennan, Frank C. and J. S., St. Louis, Mo., and L. J. Reysa, Cedar Rapids, Iowa, assignors to J. S. Costello & Son Brush Co., St. Louis, Mo. Housing and controlling the evaporation of odor blocks. 2,247,600; July 1.
Brennan, John S. (See Brennan, Frank C. and J. S., and Reysa.)
Broeren, Frank L., Neenah, and A. S. Krueger, Green Bay, assignors to Marathon Paper Mills Company, Rothschild, Wis. Dispenser for stacks of sheets. 2,247,800; July 1.
Brooke, Frank T., assignor of one-third to G. Cottrell and one-third to G. Willson, Jr., Staunton, Va. Archery bow. 2,247,649; July 1.
Brooks, William J. (See Mills, George E., assignor.)
Brooks, William H. (See Rayburn, Alden G., assignor.)
Brown, George B., Manville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Making a compressed and densified product. 2,247,355; July 1.
Browne, Stewart R., Jr., Brooklyn, assignor to Stewart R. Browne Manufacturing Company, Inc., New York, N. Y. Safety lamp assembly. 2,247,356; July 1.
Browne, Stewart R., Manufacturing Company. (See Browne, Stewart R., Jr., assignor.)
Brunken, Johannes, Dessau-Ziebigk, and H. Fricke and G. Wilmanns, Wolfen, Kreis-Bitterfeld, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Hardening and simultaneously increasing the sensitivity of photographic silver halide emulsions. 2,247,569; July 1.
Bruns, William H. (See Lewis, J. D., and Bruns.)
Brus, Emile P., Kansas City, Mo. Container cap. 2,247,357; July 1.
Bryant, Ozro N., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Governor apparatus. 2,247,434; July 1.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Apparatus for preparing statistical records. 2,247,905; July 1.
Bryner, Fred. (See Perkins, R. P., and Bryner.)
Bucyrus-Monighan Company. (See Martinson, Oscar J. and W. C., assignors.)
Budd Wheel Company. (See Somes, Howard E., assignor.)
Buhr, August G. (See Frudden, C. E., Tanke, and Buhr.)
Buhrle, Jane T., Great Bend, Kans. Anchor band for corsets or the like. 2,247,601. July 1.
Bump Pump Company. (See Thomson, Leroy A., assignor.)
Bunge, Wilhelm. (See Spielberger, G., Bayer, and Bunge.)
Bunny, Fred, Jenkintown, Pa. Directional signal. 2,247,939; July 1.
Bunting Glider Company. (See Goldberg, Edward S., assignor.)
Burd, Martin M. (See Burd, Samuel I. and M. M.)
Burd, Samuel I. and M. M., Philadelphia, Pa. Stocking. 2,247,832; July 1.
Burgener, Karl L., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 2,247,477; July 1.
Burkholder, Alden H. (See Knebusch, W. F., and Burkholder.)

Burroughs Adding Machine Company. (See Bower, Raymond G., assignor.)
Burt, Alexander D., Haddon Heights, N. J., assignor to Radio Corporation of America. Cabinet for phonographs. 2,247,746; July 1.
Burtnett, Everett R., assignor to Automotive Improvements Patents Corporation, Los Angeles, Calif. Multi-clutch mechanism. 2,247,478; July 1.
Butterfield, Louis M., Kittery, Maine. Bill guard for fowls. 2,247,833; July 1.
Caille, Georges L., Vaujours, and A. P. Laze, Paris, France, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Signaling and interlocking system for traffic routes. 2,247,801; July 1.
Caldwell, Harry J., assignor to Barnes Drill Company, Rockford, Ill. Honing machine. 2,247,479; July 1.
Caplan, Solomon. (See Harvey, M. T., and Caplan.)
Carbo-Norit-Union Verwaltungs-Gesellschaft m. b. H. (See Bayerl, Victor, assignor.)
Cardwell, Harland W., Wichita, Kans., assignor to Cardwell Manufacturing Company, Inc. Draw works. 2,247,606; July 1.
Cardwell Manufacturing Company, Inc. (See Cardwell, Harland W., assignor.)
Carlson, Adolph E., assignor of one-half to D. H. Rapelye, Farmington, Conn. Lemon slicer. 2,247,650; July 1.
Carlson, Hjalmar E., Brooklyn, N. Y., assignor to International Cigar Machinery Company, Filler former for cigar machines. 2,247,358; July 1.
Carlstedt, Sivan J. (See Dahlgren, T. V., and Carlstedt.)
Carmody, William H., assignor to The Neville Company, Pittsburgh, Pa. Color stable di-naphthyl methane resin. 2,247,940; July 1.
Carr, Donald E. (See Bray, U. B., and Carr.)
Carroll, Ellsworth W., assignor to S. & W. Fine Foods, Inc., San Francisco, Calif. Orientating seamed fruit. 2,247,602; July 1.
Carroll, Fred M., Binghamton, and C. O. Anderson, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,247,906; July 1.
Carson, Benjamin R., Camden, N. J., assignor to Radio Corporation of America. Phonograph. 2,247,651; July 1.
Carson, Clifford C., St. Louis, Mo. Apparatus for heating and ventilating. 2,247,987; July 1.
Carver, Fred S., Short Hills, N. J. Automatic filtering press. 2,247,988; July 1.
Casagrande, Aldo, Milan, Italy. Centrifugal drier for textile fibers. 2,247,605; July 1.
Casco Products Corporation. (See Bahr, Gustave F., assignor.)
Case, J. I., Company. (See Geraldson, Gerald, assignor.)
Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)
Cawley, Aloysius J., Pittston, Pa. Scanning apparatus. 2,247,348; July 1.
Celanese Corporation of America. (See Bell, Angus S., assignor.)
Celanese Corporation of America. (See Taylor, W. I., Gibbins, and Woodruff, assignors.)
Cerny, George, assignor to Pauly Jail Building Company, St. Louis, Mo. Weather strip. 2,247,435; July 1.
Chadder, William J., H. M. Spiers, and E. Arnold, assignors to Thermal Industrial and Chemical (T. I. C.) Research Company Limited, London, England. Emulsification of tars. 2,247,722; July 1.
Chagnot, Albert C. (See Griner, L. J., and Chagnot.)
Chalmers, John W., assignor to Molins Machine Company Limited, Deptford, London, England. Box made of cardboard or similar material. 2,247,870; July 1.
Chalmers, John W., assignor to Molins Machine Company, Limited, Deptford, London, England. Packing of cigarettes or other articles. 2,247,871; July 1.
Champion Paper and Fibre Company, The. (See Murdock, Harold R., assignor.)
Champion, William J., Berwyn, assignor to Ditto, Incorporated, Chicago, Ill. Bright copy hectograph duplication. 2,247,349; July 1.
Chemical Foundation, Incorporated, The. (See Hixson, A. W., and Miller, assignors.)
Chempats Incorporated. (See Ruthruff, Robert F., assignor.)
Chial, Emil, Stillwater, Minn. Tree trimmer. 2,247,723; July 1.
Chiappetti, Fernando C., assignor of one-half to J. M. Ferris, Flagstaff, Ariz. Power crank. 2,247,629; July 1.
Chireistein, Charles, Newark, N. J. Starter switch. 2,247,872; July 1.
Christiansen, Walter G. (See Fieser, L. F., and Christiansen.)
Christman, John M., assignor to Simplex Putty Applicator Co., Detroit, Mich. Putty applicator. 2,247,603; July 1.
Christman, John M., assignor to Simplex Putty Applicator Co., Detroit, Mich. Putty applicator. 2,247,604; July 1.
Chrysler Corporation. (See Neeson, Charles R., assignor.)
Cinaudagraph Corporation. (See Nielsen, John F., assignor.)
Cita, Alberto, Milan, Italy. Motor speed governor. 2,247,989; July 1.
Clark Equipment Company. (See Ormsby, D. D., and Pelree, assignors.)
Clark, Sydney J. (See De Martis, H., and Clark.)
Clarke, William A., Oklahoma City, Okla. Horn weight. 2,247,724; July 1.
Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Looper mechanism for sewing machines. 2,247,570; July 1.
Clayton, Benjamin, Houston, Tex., and W. B. Kerrick, Los Angeles, and H. M. Stadt, Glendale, Calif., assignors to Refining, Inc., Reno, Nev. Refining oils. 2,247,359; July 1.
Clayton, William G., Portland, Conn. Patient handling device. 2,247,360; July 1.
Cohen, Joseph H., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,248,017; July 1.
Cohn, Irwin E., Sterling, Mass. Toy rattle. 2,247,873; July 1.
Colberg, Rolf, Berlin-Dahlem, assignor to the firm of Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany. Cathode ray apparatus. 2,247,350; July 1.
Collins, Milford E., Los Angeles, Calif., assignor to Radio Corporation of America. Turntable driven recording mechanism. 2,247,747; July 1.
Collins, Paul F., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Dental investment composition. 2,247,571; July 1.
Collins, Paul F., Columbus, Ohio, assignor, by mesne assignments, to E. A. Steinbock, Louisville, Ky. Dental investment composition. 2,247,572; July 1.
Collins, Paul F., Columbus, Ohio, assignor, by mesne assignments, to E. A. Steinbock, Louisville, Ky. Dental investment composition. 2,247,573; July 1.
Colofado Fuel & Iron Corporation, The. (See Gardner, Donald C., assignor.)
Columbus Dental Manufacturing Company, The. (See Collins, Paul F., assignor.)
Columbus Dental Manufacturing Company. (See Neiman, Robert, assignor.)
Constant, Arthur D., Brooklyn, N. Y. Bowling alley. 2,247,769; July 1.
Cooper, Harry E., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Core covering machine. 2,247,481; July 1.
Corbitt, Howard E., Alhambra, Calif., assignor to P. E. Landolt, New York, N. Y. Automatic voltage control device for electrical precipitators. 2,247,361; July 1.
Cornelius, Heinrich. (See Rohn, W. Bollenrath, and Cornelius.)
Costello & Son Brush Co., J. S. (See Brennan, Frank C. and J. S., and Reysa, assignors.)
Cottle, William S., Benlaville, N. C. Leaf lifter. 2,247,607; July 1.
Cotton, Lee J., Chicago, Ill. Medical and mechanical foot cushion. 2,247,748; July 1.
Cottrell, George, et al. (See Brooke, Frank T., assignor.)
Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Side bearing. 2,247,574; July 1.
Coughlin, Charles L. (See Willenborg, Walter J., assignor.)
Cox, Ralph E., Schenectady, N. Y., assignor to General Electric Company. Heat treating apparatus. 2,247,770; July 1.
Crellin, John R., Jr., Meriden, Conn., assignor to General Electric Company. Bridge lamp and a diffusing bowl therefor. 2,247,771; July 1.
Crites, Orr E., Short Hills, N. J. Clothes wringer device. 2,247,874; July 1.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Variable phase shifter. 2,247,941; July 1.
Crossley, Frank S. (See Hartung, W. H., and Crossley.)
Cumberland Case Company. (See Robinson, William W., assignor.)
Currie, William E. (See Baehr, Hans, assignor.)
Curtis Anti-Vapor Pumps, Inc. (See Paxton, Dewey M., assignor.)
Dahlgren, Teodor V., Djursholm, and S. J. Carlstedt, Stockholm, Sweden. Burner for finely distributed fuel. 2,247,990; July 1.
Daily, Harold C., Monterey Park, Calif. Apparatus and process for generating sinusoidal currents. 2,247,544; July 1.
D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Pheno-formaldehyde resinous composition. 2,247,772; July 1.
Damerell, Mark H., Worcester, Mass. Jacketed steam hammer. 2,247,802; July 1.
Damon, Robert H., C. F. Rogler, J. W. Baur, and T. E. Kulo, Chicago, Ill., assignors to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Inventory control system and apparatus. 2,247,480; July 1.
Daniel, Karl, Cologne-Sulz, assignor to Tefi-Apparatebau Dr. Daniel K.-G., Cologne, Germany. Duplicating sound records. 2,247,991; July 1.
Darby, Howard E. (See Groene, W. F., Kemper and Darby.)

Dark, Alfred A., Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y. Record-card controlled printing mechanism. 2,247,907; July 1.
Davis, Charles A., Jr., and P. A. Jones, Hobbs, N. Mex. Cracker dispenser. 2,247,834; July 1.
Deck, James, Los Angeles, and H. Grundstrom, North Hollywood, Calif. Display apparatus. 2,247,545; July 1.
Deckel, Friedrich. (See Zwick, Kurt, assignor.)
Decker, Frank, Jr. (See Bittord, L. A., and Decker.)
Deere & Company. (See Silver, Walter H., assignor.)
DeGroff, Andrew H., Little Genesee, N. Y. Rain water container. 2,247,608; July 1.
Deimel, Albert H. (See Peterson, C. D., and Deimel.)
De Koevend, Herman, South Platte, Colo. Telemetric annunciator. 2,247,942; July 1.
De Martis, Horace, and S. J. Clark, New Malden, England. Electrode of secondary batteries. 2,247,992; July 1.
Dembicki, Cyril J. (See Sostrin, S. Z., and Dembicki.)
Deren, Pincus. (See Birdseye, C.)
De Stefani, Tully, assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Dispensing apparatus. 2,247,575; July 1.
De Stefani, Tully, assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Dispensing apparatus. 2,247,576; July 1.
Deutsche Erdöl-Aktiengesellschaft. (See Schick, F., and Schramm, assignors.)
De Venel, Georges D., Signes, France. Stabilizing device for terrestrial vehicles. 2,247,749; July 1.
Devilbiss, Howard R., Riverdale, Md. Sanitary pipe joint. 2,247,609; July 1.
Dexter Folder Company. (See Baker, L., and Williams, assignors.)
Dexter Folder Company. (See Binder, Frederick G., assignor.)
Dibble, Howard A., Jr., Hartford, Conn. Drafting device. 2,247,362; July 1.
Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Halogenated acetal. 2,247,482; July 1.
Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Apparatus for recording statistical data. 2,247,908; July 1.
Diescher, Samuel E., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Cross rolling mill. 2,247,943; July 1.
Diescher Tube Mills, Inc. (See Diescher, Samuel E., assignor.)
Disney, Walt, Productions. (See Garity, W. E., and Hawkins, assignors.)
Ditto, Incorporated. (See Bour, Robert C., assignor.)
Ditto, Incorporated. (See Champion, William J., assignor.)
Dodge, William A., administrator. (See Puppe, Heinz.)
Dolnal, Jan, Dobris, Bohemia, Czechosolvakia. Tape dispensing device. 2,247,750; July 1.
Donoho, Guy W., Brookline, Mass. Convertible bedchair. 2,247,546; July 1.
Dornvan Corporation. (See Van Dorn, Herbert E., assignor.)
Doty, Charles R., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Communication system. 2,247,909; July 1.
Dough-King, Inc. (See Lagaard, Alexander S. T., assignor.)
Dougherty, Frank H., Lancaster, assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,247,652; July 1.
Douglass, William A., Penns Grove, and H. L. Jones, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Phthalic anhydride. 2,247,910; July 1.
Dow Chemical Company, The. (See Perkins, R. P., and Bryner, assignors.)
Dow Chemical Company, The. (See Prutton, Carl F., assignor.)
Drewsen, Pierre, and J. R. Little, assignors to The Hinde & Dauch Paper Company, Sandusky, Ohio. Prolamine composition. 2,247,351; July 1.
Dry, John D., New York, N. Y. Mattress. 2,247,705; July 1.
Duffy, Robert E. (See Uschold, C. W., and Duffy.)
Dunham, George W., Westport, Conn., assignor to General Electric Company. Ironer. 2,247,803; July 1.
Dunn, John S., Billingham-on-Tees, and V. Lefebure, London, England, assignors to Imperial Chemical Industries Limited. Manufacture of cements from calcium sulphate and blast furnace slag. 2,248,032; July 1.
Dunn, Stephen M., Los Angeles, Calif. Valve device. 2,247,363; July 1.
Dunn, Stephen M., Los Angeles, Calif. Valve. 2,247,773; July 1.
Du Pont, E. I., de Nemours & Company. (See Douglass, W. A., and Jones, assignor.)
Du Pont, E. I., de Nemours & Company. (See Geary, Charles G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fox, Arthur L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Holt, Donald A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Howk, B. W. and Lazier, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lindsley, Milton F., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sorenson, Ben E., assignor.)
Du Pont, Edmund, Bloomfield, N. J., assignor, by mesne assignments, to Wilcox, Crittenden & Co., Inc., Middletown, Conn. High pressure water closet. 2,247,911; July 1.
Eakins, John F., assignor to A. G. McCaleb, Evanston, Ill. Gun game. 2,247,751; July 1.
Early, Bartholomew F., Lowell, Mass. Lug connection for looms. 2,247,484; July 1.
Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe treating apparatus. 2,247,483; July 1.
Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)
Eastman Kodak Company. (See Hutchison, Miller R., Jr., assignor.)
Eclipse Aviation Corporation. (See Zwack, Raymond T., assignor.)
Edison General Electric Appliance Company. (See Sharp, John C., assignor.)
Edmister, Wayne C., and D. H. Pollock, assignors to Standard Oil Company, Chicago, Ill. Bubble tower. 2,247,485; July 1.
Eickemeyer, Louis. (See Gottlieb, J., Eickemeyer and Woessner.)
Eisemann Magneto Corporation. (See Tabb, W. T., and Purdy, assignors.)
Eisleb, Otto, Hofheim in Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. 4-aryl-piperidine-ketones and preparing them. 2,248,018; July 1.
Electric Controller & Manufacturing Company, The. (See Kutcher, W. J., and Leitch, assignors.)
Elk River Concrete Products Company. (See Odendahl, Irve E., assignor.)
Ellis, Francis C., Chicago, Ill. Diagnostic method. 2,247,875; July 1.
Elustondo, José M. (See Uzcudun, P., Elustondo, Galarraga, and Zuloaga.)
Emerson, George B., Cambridge, Mass. Shuttlecock. 2,247,486. July 1.
Emmert, Kenneth L. (See Hensel, F. R., and Emmert.)
Erickson, C. E., Company, Inc. (See Erickson, Ernest R., assignor.)
Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Display stand. 2,247,436; July 1.
Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Towel holder. 2,247,437; July 1.
Evans, John, Palmyra, N. J., assignor to Radio Corporation of America. Radio Frequency amplifier. 2,247,630; July 1.
Fabbrica Italiana Magneti Marelli Società Anonima. (See Kamenarović, Leone, assignor.)
Fasce, Egi V. (See Beller, H., and Fasce.)
Faus, Harold T. Lynn, Mass., assignor to General Electric Company. Permanent magnet. 2,247,804; July 1.
Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Light or exposure meter. 2,247,805; July 1.
Fawley, Elmer H. (See Mueller, F. H., Bowan and Fawley.)
Fearn, Richard L., Rockville, Md., assignor to Synero Machine Company, Rahway, N. J. Wiper for coating machines. 2,247,547; July 1.
Feldman, Jacob B., Philadelphia, Pa. Testing eyes. 2,247,653; July 1.
Ferguson Brothers Manufacturing Company. (See Boardman, Whitlock, assignor.)
Ferguson, Charles H., Valhalla, N. Y. Pumping apparatus. 2,247,654; July 1.
Ferguson, Henry G., Belfast, Northern Ireland. Tractor. 2,247,725; July 1.
Fernholz, Erhard, Elizabeth, assignor to Merck & Co. Inc., Rahway, N. J. Alkyl ethers of duro-hydroquinone and process for producing the same. 2,247,364; July 1.
Fernsch Aktien-Gesellschaft. (See Colberg, Rolf, assignor.)
Ferris, Jeff M. (See Chiappetti, Fernando C., assignor.)
Feuerherd, F. W. (See Haislip, Albert S., assignor.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung. (See Schuchmann, H. and Neubert, assignors.)
Fiedler, Max G., Media, assignor to Fiedler-Sellers Corporation, Philadelphia, Pa. Lapping machine. 2,247,994; July 1.
Fiedler-Sellers Corporation. (See Fiedler, Max G., assignor.)
Fields, James L., Los Angeles, Calif., assignor to Radio Corporation of America. Voltage control for synchronous motors. 2,247,655; July 1.
Fieser, Louis F., Cambridge, Mass., and W. G. Christiansen, Glen Ridge, N. J.; said Christiansen assignor to E. R. Squibb & Sons, New York, N. Y. Manufacture of stilboestrol and related compounds. 2,248,019; July 1.
Fisker, Peder A., assignor to A/S Fisker & Nielsen, Copenhagen, Denmark. Surface working apparatus. 2,247,993; July 1.

Fite, John E., et al. (See Holden, George, assignor.)
Flaxman, Marcellus T., Wilmington, assignor to Union Oil Company of California, Los Angeles, Calif. Liquid grease and lubricant. 2,247,577; July 1.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Manufacture of side-chain aromatic sulphonates. 2,247,365; July 1.
Flight Refuelling Limited. (See Tripp, Edward J., assignor.)
Focke, Theodore B., Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Liquid fuel burning apparatus. 2,247,679; July 1.
Foley, William H., Toronto, Ontario, Canada. Fishhook. 2,247,806; July 1.
Forster, Percy M., Berkeley, Calif. Oil burner adapter. 2,247,548; July 1.
Forsyth, Edmond J., Chicago, Ill. Costumer. 2,247,774; July 1.
Fox, Arthur L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenation of phthalocyanines. 2,247,752; July 1.
Frederick, John, New York, N. Y. Vacuum cleaner. 2,247,549; July 1.
Frederickson, Clayton E., Chicago, Ill. Brake mechanism. 2,247,610; July 1.
Freeman, Benjamin W. (See Newton, Charles E., assignor.)
Freudenhammer, Klaus, Berlin-Charlottenburg, assignor to Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany. Arc furnace and, more specifically, to means for automatically controlling. 2,248,020; July 1.
Frevert, Harry L., assignor to The Midvale Company, Philadelphia, Pa. Alloy steel for the manufacture of wheels and tires. 2,247,876; July 1.
Fricke, Hans. (See Brunken, J., Fricke, and Wilmanns.)
Fridolph, Annette, New York, N. Y. Traveling case. 2,247,366; July 1.
Friedrich, Bruno, Vienna, Germany. Vise. 2,247,656; July 1.
Frischman, Hans M., Palisade, assignor to Alfred Hofmann, Inc., West New York, N. J. Knitting machine sinker. 2,247,611; July 1.
Frudden, Conrad E., Wauwatosa, and W. H. Tanke and A. G. Buhr, La Crosse, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor implement. 2,247,367; July 1.
Fry, Benjamin W. (See Gottfried, J., and Fry.)
Fuller Company. (See Morrow, Joseph H., assignor.)
Fuller, Everett W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition. 2,247,801; July 1.
Galarraga, Pablo. (See Uzcudun, P., Elustondo, Galarraga and Zuloaga.)
Galion Iron Works and Manufacturing Company, The. (See Arndt, Franklin E., assignor.)
Galligan, Thomas A., Providence, R. I. Ornament. 2,247,944; July 1.
Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Amplifier power supply. 2,247,775; July 1.
Gardner, Donald C., Salt Lake City, Utah, assignor to The Colorado Fuel & Iron Corporation. Fence post clip. 2,247,631; July 1.
Gardner, Earl H., Detroit, Mich. Wall covering. 2,247,945; July 1.
Garity, William E., and J. N. A. Hawkins, assignors to Walt Disney Production, Los Angeles, Calif. Recording and reproduction of sound and apparatus therefor. 2,247,554; July 1.
Garnett, Edward V. and V. G., Denver, Colo. Dual front wheel mounting. 2,247,487; July 1.
Garnett, Vactor G. (See Garnett, Edward V. and V. G.)
Garrett, William H., and S. Smith, Llangollen, Wales, assignors to Monsanto Chemical Company, St. Louis, Mo. Manufacture of sodium phenate. 2,247,877; July 1.
Gassert, Irby F., and J. C. Hoffman, assignors to Texas Tanning & Manufacturing Company, Yoakum, Tex. Belt. 2,247,835; July 1.
Gatto, Robert, New York, N. Y. Producing engraved printed sheets. 2,247,878; July 1.
Geary, Charles G., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ceramic coloring agent. 2,248,021; July 1.
Geisendorff, Ernest G., Bellville, Tex. Sacking device. 2,247,879; July 1.
General Aniline & Film Corporation. (See Brunken, J., Fricke and Wilmanns, assignors.)
General Aniline & Film Corporation. (See Hipke, Kurt, assignor.)
General Aniline & Film Corporation. (See Spielberger, G., Bayer, and Bunge, assignors.)
General Electric Company. (See Bean, Robert F., assignor.)
General Electric Company. (See Cox, Ralph E., assignor.)
General Electric Company. (See Crellin, John R., Jr., assignor.)
General Electric Company. (See D'Alelio, Gaetano F., assignor.)
General Electric Company. (See Dunham, George W., assignor.)
General Electric Company. (See Faus, Harold T., assignor.)
General Electric Company. (See Gardiner, Paul C., assignor.)
General Electric Company. (See Hall, William D., assignor.)
General Electric Company. (See Hermann, Robert, assignor.)
General Electric Company. (See Hinrichs, Max A., assignor.)
General Electric Company. (See Hoxie, Merrill C., assignor.)
General Electric Company. (See Huitson, Robert R., assignor.)
General Electric Company. (See Johnson, C. W., and Wadden, assignors.)
General Electric Company. (See Kelster, James E., assignor.)
General Electric Company. (See Lamborn, Richard, assignor.)
General Electric Company. (See Lohausen, Karl A., assignor.)
General Electric Company. (See Marshaus, Anthony J., assignor.)
General Electric Company. (See McMahan, Kenton D., assignor.)
General Electric Company. (See Puppe, Heinz, assignor.)
General Electric Company. (See Reardon, Robert T., assignor.)
General Electric Company. (See Stimson, Allen G., assignor.)
General Electric Company. (See Thumin, Carl, assignor.)
General Electric Company. (See Thumin, C., and Baskerville, assignors.)
General Electric Company. (See Tröger, R., and Renner, assignors.)
General Electric Company. (See Warner, Donald F., assignor.)
General Electric Company. (See Webster, Carroll J., Jr., assignor.)
General Electric Company. (See Weeks, Walter R., assignor.)
General Motors Corporation. (See Macready, J. A., and Wyatt, assignors.)
General Printing Ink Corporation. (See Lipton, Morris, assignor.)
General Refractories Company. (See Heuer, Russell P., assignor.)
General Steel Castings Corporation. (See Wintemberg, Adelbert C., assignor.)
Geraldson, Gerald, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Mower. 2,248,022; July 1.
Gerrard, John M., Chicago, Ill. Wire twisting device. 2,247,776; July 1.
Gibbins, Leslie B. (See Taylor, W. I., Gibbins, and Woodruff.)
Gilbert, A. C., Company, The. (See Jordan, Richard H., assignor.)
Gilbert, Ernst, Berlin-Oberschoneweide, Germany. Antifriction journal bearing. 2,247,995; July 1.
Gilbert, William F. (See Jenks, R. J., and Gilbert.)
Gindele, Woodbury A., New Rochelle, N. Y. Brake control for automotive vehicles. 2,247,368; July 1.
Gindele, Woodbury A., New Rochelle, N. Y. Brake control for automotive vehicles. 2,247,369; July 1.
Gingher, Carl E., Scranton, Pa. Stoker pusher rod. 2,247,726; July 1.
Girden, Barney B., Lebanon, Conn. Game apparatus. 2,247,657; July 1.
Giroud, Baudilio J. P. (See Giroud, F. F. L., and Giroud.)
Giroud, Francisco F. L., La Vibora, Habana, and B. J. P. Giroud, Reparto Ampliacion de Almendares, Marianao, Cuba. Differential transmission. 2,247,578; July 1.
Glasser, Edward. (See Bedell, S. J., and Glasser.)
Goddard, De Witt R. (See Atwood, J. B., and Goddard.)
Goddu, Lloyd W., assignor to American Optical Company, Southbridge, Mass. Lens abrading machine. 2,247,706; July 1.
Goetzel, Claus G., assignor to Hardy Metallurgical Company, New York, N. Y. Powder metallurgy. 2,247,370; July 1.
Goldbeck, Martin, Kansas City, Mo. Silo and building same. 2,247,836; July 1.
Goldberg, Edward S., assignor to Bunting Glider Company, Philadelphia, Pa. Bedspring. 2,248,023; July 1.
Goodchild, George, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spinning and twister ring. 2,248,024; July 1.
Gordon, Samuel H., Inverness, Scotland. Making stud links. 2,247,837; July 1.
Gorton, Clyde B., assignor to Super Manufacturing Co., Chicago, Ill. Electric sadiron. 2,247,438; July 1.
Gottfried, John, St. Louis, and B. W. Fry, University City, Mo. Coin selector. 2,247,488; July 1.
Gottlieb, Joseph, Deal, and L. Eickemeyer and C. Woessner, Jersey City, N. J.; said Eickemeyer and said Woessner assignors to said Gottlieb. Self-starting synchronous motor. 2,247,489; July 1.
Graham, William S., Canton, Ill., assignor to International Harvester Company. Agricultural implement. 2,247,680; July 1.
Grant, Casper E., Portsmouth, Va. Air valve unit for pipe organs. 2,247,838; July 1.
Graybill, Hershey R., Manheim, assignor to Animal Trap Company o America, Lititz, Pa. Animal trap. 2,247,632; July 1.
Green, Harry J. (See Ransburg, H. P., and Green.)
Greenhill, Harold, Chicago, Ill. Spring clip. 2,247,490; July 1.

Griffith, Chauncey H., New York, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,247,996; July 1.
Griner, Leslie J., and A. C. Chagnot, Youngstown, Ohio, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Finishing machine plate stop. 2,247,997; July 1.
Groene, William F., H. C. Kemper, and H. E. Darby, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Transmission shifter mechanism. 2,247,491; July 1.
Groene, William F., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft chuck. 2,247,550; July 1.
Grundstrom, Harry. (See Deck, J., and Grundstrom.)
Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Phonograph. 2,247,658; July 1.
Guerbet, Andre G. J., Paris, France. Iodine organic compounds for use as X-ray contrast compositions. 2,247,880; July 1.
Haas, Clarence C., Richmond, Ind., assignor to International Harvester Company. Connection for planters to tractors. 2,247,681; July 1.
Hagemeyer, Henry F., assignor to Castings Patent Corporation, Chicago, Ill. Forming castings. 2,247,777; July 1.
Hagen, Clarence R., Chicago, Ill., assignor to International Harvester Company. Cotton picker. 2,247,682; July 1.
Haislip, Albert S., assignor of one-half to F. W. Feuerherd, Fredericksburg, Va. Camp stove. 2,247,612; July 1.
Hale, Jesse W., Newton, Mass. Speed responsive mechanism. 2,247,492; July 1.
Halford, Frank B., and K. Wilson, Edgware, England. Damping torsional vibrations in transmission apparatus. 2,247,839; July 1.
Hall, William D., Lynn, Mass., assignor to General Electric Company. Surge indicator. 2,247,808; July 1.
Halmagyi, John. (See Langer, Nicholas, assignor.)
Halsey, Edward S., North Miami, Fla. Support for connection cords of electric irons. 2,247,551; July 1.
Halstenbach, Messrs., & Co. (See Treckmann, Hans, assignor.)
Hamilton, Francis E. (See Lake, C. D., and Hamilton.)
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Automotive electrical system. 2,247,753; July 1.
Hardy Metallurgical Company. (See Goetzel, Claus G., assignor.)
Harrison, Donald B., assignor to The Atlantic Refining Company, Philadelphia, Pa. Production of asphalt. 2,247,371; July 1.
Harrison, Henry C., Port Washington, N. Y., and C. E. Pollard, Hohokus, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mercury contact relay. 2,247,493; July 1.
Harrison, Richard W., Charlestown, Mass. Envelope opener. 2,247,840; July 1.
Hart, Jason B., Northfield, Vt. Napkin holder. 2,247,372; July 1.
Hartford, Charles E., St. Andrews, Fla., and M. M. Striplin, Jr., Florence, Ala. Making phosphoric acid. 2,247,373; July 1.
Hartley, Albert L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Flame hardening apparatus. 2,247,494; July 1.
Hartman, Leon, and G. Prager, assignors to Abbey Photo Corporation, New York, N. Y. Synchronizing apparatus. 2,247,809; July 1.
Hartmann Trunk Company. (See Ritter, Julius, Jr., assignor.)
Hartung, Walter H., Baltimore, Md., and F. S. Crossley, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Nitrosating aromatic alkyl ketones. 2,248,035; July 1.
Harvel Research Corporation. (See Harvey, M. T., and Caplan, assignors.)
Harvey, Mortimer T., East Orange, N. J., and S. Caplan, New York, N. Y., assignors to Harvel Research Corporation. Tertiary alkyl urea and preparing same. 2,247,495; July 1.
Hatfield, Charles W., Glendale, Mo. Ribbon winding spool. 2,247,881; July 1.
Hawaiian Pineapple Company Limited. (See Healy, Robert F., assignor.)
Hawes, David M. A. G., deceased, by F. F. Hawes, executrix, Wimbledon, assignor to Joe Lowe Food Products Company Limited, London, England. Emulsifying apparatus. 2,247,439; July 1.
Hawes, Florence F., executrix. (See Hawes, David M. A. G.)
Hawkins, John N. A. (See Garity, W. E., and Hawkins.)
Hawley, Jesse G., Painted Post, assignor to Hawley-Jones Corporation, Riverside, N. Y. Brake. 2,247,374; July 1.
Hawley-Jones Corporation. (See Hawley, Jesse G., assignor.)
Hazeltine Corporation. (See Lewis, Harold M., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Healey, Arthur E., assignor to Herrburger, Brooks, Limited, Camden Town, London, England. Piano action. 2,247,998; July 1.
Healy, Robert F., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Apparatus for cutting fruit. 2,247,810; July 1.
Hearn, William K., Seattle, Wash. Fireproofing paint. 2,247,633; July 1.
Heln, Robert O., and N. Shaeffer, assignors to Sears, Roebuck and Co., Chicago, Ill. Bumper. 2,247,946; July 1.
Heise, Edward F., Devon, Conn. Boat and propelling mechanism therefor. 2,247,683; July 1.
Hempel, Martin E., Berwyn, Ill. Scalp massaging device. 2,247,440; July 1.
Hendershot, Herman B. (See Sands, D. P., Hendershot, and Hinderliter.)
Henderson, William, Mineola, N. Y. Window ventilator. 2,247,947; July 1.
Henry, Harold G., King City, assignor of one-half to W. C. Barry, Soledad, Calif. Surface gripping device. 2,247,727; July 1.
Henry, Mary E. (See Louthan, Clissolde L., assignor.)
Hensel, Franz R., and K. L. Emmert, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact. 2,247,754; July 1.
Hensel, Franz R., and K. L. Emmert, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact. 2,247,755; July 1.
Hermann, Robert, Swampscott, Mass., assignor to General Electric Company. Time switch. 2,247,811; July 1.
Hermas Machine Company. (See Rotherham, Walter S., assignor.)
Herrburger, Brooks, Limited. (See Healey, Arthur E., assignor.)
Herron, Frank T., Chattanooga, Tenn., assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Stove. 2,247,882; July 1.
Hersberger, Arthur B., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of bituminous materials. 2,247,375; July 1.
Hettrick Manufacturing Company, The. (See Smith, Isidore P., assignor.)
Heuer, Russell P., Bryn Mawr, Pa., assignor to General Refractories Company. Refractory brick process. 2,247,376; July 1.
Heyer, Don, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc. Multiple belt variable speed drive system. 2,247,552; July 1.
Hickok, Willard H., Bloomfield, N. J., assignor to Radio Corporation of America. Photoelectric sorting apparatus. 2,247,684; July 1.
Hill, Rolo D., assignor of one-half to G. S. Tucker, Los Angeles, Calif. Oil filter block composition. 2,247,377; July 1.
Hinde & Dausch Paper Company, The. (See Drewsen, P., and Little, assignors.)
Hinderliter, Frank J. (See Sands, D. P., Hendershot, and Hinderliter.)
Hineline, Harris D. (See Turin, H., Kase, and Hineline.)
Hinrichs, Max A., Millbrae, Calif., assignor to General Electric Company. Elastic fluid turbine diaphragm supporting and centering arrangement. 2,247,378; July 1.
Hipke, Kurt, Dessau, Germany, assignor by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Spool for cinematograph films. 2,247,812; July 1.
Hipple, James L., Canton, Ill., assignor to International Harvester Company. Wheel assembly. 2,247,685; July 1.
Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Refining and fractionation of tall oil. 2,247,496; July 1.
Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)
Hoehn, John J., Indianapolis, Ind., assignor to Radio Corporation of America. Phonographic apparatus. 2,247,659; July 1.
Hoffman, James C. (See Gassert, I. F., and Hoffman.)
Hofmann, Alfred, Inc. (See Frischman, Hans M., assignor.)
Hohmann, Richard K., Jamaica, and F. Osann, White Plains, N. Y., assignors to Sears, Roebuck and Co., Chicago, Ill. Convertible sewing and darning machine. 2,247,379; July 1.
Hohmann, Richard K., Jamaica, N. Y., assignor to Sears, Roebuck and Co., Chicago, Ill. Convertible cabinet and portable sewing machine. 2,247,380; July 1.
Hohmann, Richard K., Jamaica, and F. Osann, White Plains, N. Y., assignors to Sears, Roebuck and Co., Chicago, Ill. Sewing machine drive means. 2,247,381; July 1.
Hohmann, Richard K., Jamaica, and F. Osann, White Plains, N. Y., assignors to Sears, Roebuck and Co., Chicago, Ill. Sewing machine feed mechanism. 2,247,382; July 1.
Hohmann, Richard K., Jamaica, and F. Osann, White Plains, N. Y., assignors to Sears, Roebuck and Co., Chicago, Ill. Convertible flat-bed cylinder arm sewing machine. 2,247,383; July 1.
Holden, George, assignor of one-third to J. Bloch and one-third to J. E. Fite, Jr., Philadelphia, Pa. Shuttle motion for narrow fabric looms. 2,247,999; July 1.

Holden, James B., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Pigmented rubber hydrohalides. 2,248,025; July 1.

Holt, Donald A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of heat treating salts. 2,247,579; July 1.

Hood Rubber Company. (See MacDonald, Frank J., assignor.)

Hoover Company, The. (See Boyer, Harold H., assignor.)

Hoover Company, The. (See Brace, George A., assignor.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Hopkins, Ervin W. (See Ralston, A. W., and Hopkins.)

Houston, David T., Maplewood, N. J. Window construction. 2,247,634; July 1.

Howell, Bernard C., and F. F. Melvin, Elwood, Ind., assignors to Loose-Wiles Biscuit Company, Long Island City, N. Y. Bag display holder. 2,247,497; July 1.

Howk, Benjamin W., Wilmington, and W. A. Lazier, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of alcohols and ketones. 2,247,756; July 1.

Hoxie, Merrill C., Eggertsville, N. Y., assignor to General Electric Company. Electric socket. 2,247,778; July 1.

Hudson Motor Car Company. (See Allison, William D., assignor.)

Huitson, Robert R., Rugby, England, assignor to General Electric Company. Centrifugal impeller. 2,247,813; July 1.

Hulsaver, Aaron S., Brooklyn, N. Y. Wind instrument mouthpiece. 2,247,441; July 1.

Hunt, Gerald R., Riverside, Calif. Reeving lines. 2,247,498; July 1.

Hutchinson, George W., Raleigh, N. C. Concrete testing apparatus. 2,247,553; July 1.

Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Screw stick. 2,247,499; July 1.

Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Screw driver for screw sticks. 2,247,500; July 1.

Huwyler, Eugen, Paris, France. Firing equipment for the combustion of liquid fuels. 2,247,768; July 1.

Huyett, Daniel D., assignor to Atlas Powder Company, Wilmington, Del. Protecting device for electric detonators. 2,247,384; July 1.

Huyett, Robert B., assignor to Pangborn Corporation, Hagerstown, Md. Abrasive separating and cleaning apparatus. 2,247,385; July 1.

I. G. Farbenindustrie Aktiengesellschaft. (See Orthner, L., Platz, Keller, and Sönke, assignors.)

Illers, Charles C., West New Brighton, Staten Island, N. Y. Dart game. 2,247,635. July 1.

Imperial Chemical Industries Limited. (See Dunn, J. S., and Lefebure, assignors.)

Imperial Chemical Industries Limited. (See Lefebure, Victor, assignor.)

Imperial Chemical Industries Limited. (See Tattersall, Harold J., assignor.)

Imperial Chemical Industries Limited. (See Wallace, N. E., and Lefebure, assignors.)

Independent Die and Supply Company. (See Lindholm, Carl F., assignor.)

Industrial Rayon Corporation. (See Knebusch, W. F., and Burkholder, assignors.)

Industrial Patents Corporation. (See Williams, Beverly E., assignor.)

Ingersoll Milling Machine Company, The. (See Kraus, Charles E., assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Carroll, F. M., and Anderson, assignors.)

International Business Machines Corporation. (See Dark, Alfred A., assignor.)

International Business Machines Corporation. (See Dickinson, Arthur H., assignor.)

International Business Machines Corporation. (See Doty, Charles R., assignor.)

International Business Machines Corporation. (See Lake, Clair D., assignor.)

International Business Machines Corporation. (See Lake, C. D., and Hamilton, assignors.)

International Business Machines Corporation. (See Torkelson, Torkel E., assignor.)

International Cigar Machinery Company. (See Carlson, Hjalmar E., assignor.)

International Harvester Company. (See Graham, William S., assignor.)

International Harvester Company. (See Haas, Clarence C., assignor.)

International Harvester Company. (See Hagen, Clarence R., assignor.)

International Harvester Company. (See Hipple, James L., assignor.)

International Harvester Company. (See Johnston, Edward A., assignor.)

International Harvester Company. (See Rosenthal, William C., assignor.)

Jachnow, Walter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna for unidirectional radiation of radio waves. 2,247,757; July 1.

Jansen, Rohdolf. (See Bensinger, W. D., Hansen, and Wetzold.)

Jasco, Incorporated. (See Beller, H., and Fasce, assignors.)

Jauch, Otto, Ludwigsburg, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Producing black-colored aluminum or aluminum alloys. 2,247,580; July 1.

Jenks, Ransaeller J., and W. F. Gilbert, Lewiston, Idaho. Golf practice scoring device. 2,247,501; July 1.

Jennings, J. Arthur, et al. (See Warren, Calvin C., assignor.)

John, Arthur R., Dayton, Ohio. Cable connector. 2,247,386; July 1.

Johns-Manville Corporation. (See Brown, George B., assignor.)

Johnson, Albert M., assignor to Barnes Drill Co., Rockford, Ill. Honing machine. 2,247,502; July 1.

Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding device. 2,247,912; July 1.

Johnson, Carl W., Marblehead, and W. R. Wadden, Swampscott, Mass., assignors to General Electric Company. Elastic fluid turbine diaphragm supporting and centering arrangement. 2,247,387; July 1.

Johnson, Casimer W. J., Oakland, and C. L. Bottino, Alameda, Calif., said Johnson assignor to said Bottino. Garment hanger. 2,247,613; July 1.

Johnson, Herbert C., Wilmette, Ill. Juice extracting device. 2,247,948; July 1.

Johnson, Herman K., and C. Y. La Rue, Grand Haven, Mich., assignors to The Bastian-Blessing Company, Chicago, Ill. Fluid cooling device. 2,247,388; July 1.

Johnson, James H., Kansas City, Mo. Mop. 2,247,883; July 1.

Johnson, Percy G., assignor to Victaulic Company, Limited, Millbank, London, England. Clamping arrangement for pipe joints. 2,248,000; July 1.

Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Cotton picker. 2,247,686; July 1.

Johnson, Edward A., Chicago, Ill., assignor to International Harvester Company. Tractor mounted harvester. 2,247,687; July 1.

Jones, Emory D., Detroit, Mich. Padded arm. 2,247,503; July 1.

Jones, Harold La B. (See Douglass, W. A. and Jones.)

Jones, Lloyd R., Hollidaysburg, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Rerailing frogs. 2,247,581; July 1.

Jones, Paul A. (See Davis, C. A., Jr., and Jones.)

Jordan, Richard H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Kitchen utility device. 2,247,707; July 1.

Jordan, Richard H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Electric motor. 2,247,708; July 1.

Kamenarović, Leone, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy. Device for electric control of movable stands. 2,257,842; July 1.

Kamenarović, Leone, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy. Conduit coupling. 2,247,843; July 1.

Kamenarović, Leone, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy. Voltage control device. 2,247,841; July 1.

Kase, Otto E. (See Turin, H., Kase, and Hinelline.)

Keister, James E., Schenectady, N. Y., assignor to General Electric Company. High frequency apparatus. 2,247,779; July 1.

Keller, Hans. (See Orthner, L., Platz, Keller, and Sönke.)

Kelley, Frederick A. W., Pawtucket, R. I. Removable wearing surface for rubber heels. 2,247,555; July 1.

Kemper, Harry C. (See Groene, W. F., Kemper, and Darby.)

Kern, Rudolph, Siegburg, Rheinland, Germany. Apparatus for preparing continuous filaments. 2,247,504; July 1.

Kerr, Howard J., Westfield, and C. H. Woolley, Cranford, assignors to The Babcock & Wilcox Company, Newark, N. J. Steam boiler. 2,247,884; July 1.

Kerrick, Walter B. (See Clayton, B., Kerrick, and Stadt.)

Kimmich, William, Flushing, and H. Schnoor, New York, N. Y., assignors to Radio Corporation of America. Messenger call box. 2,247,758; July 1.

Kinyon, Brice W., Bloomfield, N. J., assignor to Radio Corporation of America. Method of making electric discharge devicees. 2,247,688; July 1.

Kirkpatrick, Joseph R., South Euclid, assignor to Perfection Stove Company, Cleveland, Ohio. Liquid fuel burning apparatus. 2,247,689; July 1.

Klammt, Arthur, New York, N. Y., assignor to W. M. Ritter Lumber Company. Floor laying apparatus. 2,247,780; July 1.

Klarer, Josef, Wuppertal-Elberfeld, Germany, assignor, by mesne assignments, to Alba Pharmaceutical Company, Inc., New York, N. Y. Condensation product of 4-(4' amino benzene sulphonamido)-benzene sulphonamide with an aldose. 2,247,913; July 1.

Klok, Carl R., Tipler, Wis. Nonrefillable paste container. 2,248,001; July 1.

Knebusch, Walter F., Dayton, and A. H. Burkholder, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Processing of thread or the like. 2,247,389; July 1.

Knebusch, Walter F., Rocky River, and A. H. Burkholder, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Thread treating apparatus. 2,247,390; July 1.

Koehring Company. (See Osman, Ralph T., assignor.)

Koenig, Werner. (See Zuger, J., and Koenig.)

Kohler, Joseph H., Calumet City, Ill. Seal. 2,247,505; July 1.

Kraus, Charles E., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Method of and machine for milling. 2,247,582; July 1.

Krueger, Archie S. (See Broeren, F. L., and Krueger.)

Kucher, Andrew A., Dayton, Ohio. Refrigerating apparatus. 2,247,949; July 1.

Kucher, Andrew A., Dayton, Ohio. Refrigerating apparatus. 2,247,950; July 1.

Kulo, Thomas E. (See Damon, R. H., Rogier, Baur, and Kulo.)

Kutcher, William J., East Cleveland, Ohio, and J. D. Leitch, Manhasset, N. Y., assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Control system for electric translating devices. 2,247,506; July 1.

Labin, Emile, Paris, France, assignor to Western Electric Company, Incorporated, New York, N. Y. Neutralizing arrangement for amplifiers. 2,247,442; July 1.

La Bour, Harry E., Elkhart, Ind. Plural stage self-priming centrifugal pump. 2,247,709; July 1.

Lagaard, Alexander S. T., assignor to Dough-King, Inc., Minneapolis, Minn. Doughnut machine. 2,247,951; July 1.

Lake, Clair D., Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y. Machine for interpreting and printing perforated records. 2,247,914; July 1.

Lake, Clair D., Binghamton, and F. E. Hamilton, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Transcribing apparatus. 2,247,915; July 1.

Lake, Clair D., Binghamton, and F. E. Hamilton, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Machine for interpreting and printing perforated records. 2,247,916; July 1.

Lamb, John A., Detroit, Mich. Rear door lock for vehicles. 2,247,844; July 1.

Lamborn, Richard, Erie, Pa., assignor to General Electric Company. Power system. 2,247,814; July 1.

Landis & Gyr, A.-G. (See Zuger, J., and Koenig, assignor.)

Landolt, Percy E. (See Corbitt, Howard E., assignor.)

Langer, Nicholas, assignor of sixty-six and two-thirds per cent to J. Halmagyi, New York, N. Y. Oscillation generator for electrical musical instruments. 2,247,728; July 1.

Lanham, Edward H., Notre Dame de Grace, Quebec, and L. R. Waller, Montreal, Quebec, Canada, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 2,247,507; July 1.

Lansdowne Steel & Iron Company. (See Layton, Le Roy, assignor.)

La Rue, Carl V. (See Johnson, H. K., and La Rue.)

Lawler, Jack A., assignor to Marvel Equipment Corporation, Detroit, Mich. Windshield wiper mechanism. 2,247,508; July 1.

Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for use in the manufacture of shoes. 2,247,443; July 1.

Layton, Le Roy, Lansdowne, assignor to Lansdowne Steel & Iron Company, Morton, Pa. Apparatus for finishing forgings. 2,248,002; July 1.

Laxo, Ed, Riverside, Ill. Conditioning can blank. 2,247,952; July 1.

Lazarides, Platon, New York, N. Y. Door bolt. 2,247,556; July 1.

Laze, Alexander P. (See Caille, G. L., and Laze.)

Lazier, Wilbur A. (See Howk, B. W., and Lazier.)

Le Blond, R. K., Machine Tool Company, The. (See Groene, William F., assignor.)

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., Kemper, and Darby, assignors.)

Le Blond, R. K., Machine Tool Company, The. (See Hartley, Albert L., assignor.)

Lebus, William A., assignor to Protectoseal Company of America, Inc., Chicago, Ill. Filler attachment for gasoline tanks. 2,247,509; July 1.

Lefebure, Victor. (See Dunn, J. S., and Lefebure.)

Lefebure, Victor. (See Wallace, N. E., and Lefebure.)

Lefebure, Victor, London, England, assignor to Imperial Chemical Industries Limited. The manufacture of building blocks. 2,247,510; July 1.

Lehmann, Herbert G., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,248,026; July 1.

Lehn, John U., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,247,660; July 1.

Leiman Bros. Inc. (See Leiman, George W., assignor.)

Leiman, George W., Denville, assignor to Leiman Bros. Inc., Newark, N. J. Atomizing nozzle. 2,247,781; July 1.

Leipziger Leichtmetall Werk Rackwitz Bernhard Berghaus u. Co. Kom-Ges. (See von Tannenberg, Walter M., assignor.)

Leitch, John D. (See Kutcher, W. J., and Leitch.)

Lemanski, Savarian F., Detroit, Mich. Cylinder head for internal combustion engines. 2,247,759; July 1.

Leonard, Andrew J., Oak Park, assignor of one-half to F. K. Mueller, Chicago, Ill. Clothes wringer. 2,247,953; July 1.

Levaggi, Andrew, Dubuque, Iowa, assignor to The Nurre Companies, Inc., Egg Harbor City, N. J. Adjustable window valance. 2,247,954; July 1.

Lewis, Alfred H., Lynn, Mass. Bowling alley. 2,247,636; July 1.

Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Signal generating system. 2,247,511; July 1.

Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Television video-frequency signal-translating system. 2,247,512; July 1.

Lewis, Jacob D., Yonkers, and W. H. Bruns, Lincolndale, assignors to Otis Elevator Company, New York, N. Y. Elevator control system. 2,247,955; July 1.

Lichty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerator. 2,247,917; July 1.

Lichty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Vulcanization of rubber. 2,247,918; July 1.

Lichty, Joy G., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Dithiocarbamates. 2,247,919; July 1.

Linderman, Garrett B., Jr., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,247,391; July 1.

Lindholm, Carl F., assignor to Independent Die and Supply Company, St. Louis, Mo. Die. 2,247,444; July 1.

Lindsley, Milton F., Jr., Kings Mills, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Making smokeless powder. 2,247,392; July 1.

Lindström, Alrik C., Stockholm, Sweden. Mercury switch. 2,248,003; July 1.

Lingenfelter, James D., Fredonia, Kans. Building block. 2,247,614; July 1.

Lipton, Morris, Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Printing press and sheet-controlled mechanism therefor. 2,248,004; July 1.

Little, John R. (See Drewsen, P., and Little.)

Lohausen, Karl A., Oberschoneweide, Germany, assignor to General Electric Company. Plural break circuit interrupter. 2,247,815; July 1.

Lomax, John H., Asbury Park, N. J. Door. 2,247,885; July 1.

Lombardini, Luigi, Turin, Italy. Filing device. 2,247,637; July 1.

Long, Angus S., Cedar Rapids, Iowa, assignor to H. Perry Smith, Albany, N. Y. Filter. 2,247,445; July 1.

Loose-Wiles Biscuit Company. (See Howell, B. C., and Melvin, assignors.)

Lord, Edward P., Norwich, Conn. Woven fabric. 2,247,615; July 1.

Louthan, Clissolde L., Seattle, assignor of fifty per cent to M. E. Henry, Lakeside, Wash. Kitelike trolling sinker. 2,247,583; July 1.

Lowe, Joe, Food Products Company Limited. (See Hawes, David M. A. G.)

Lurtz, Carl, Brooklyn, N. Y. Time-setting device. 2,247,638; July 1.

Lyman, Theodore R., Great Falls, assignor of sixty per cent to A. D. Rieder, Neihart, Mont. Automatic coupling device. 2,248,005; July 1.

Maass, Ernest C., Cleveland, Ohio. Hanger for duplicator stencils and the like. 2,248,027; July 1.

Maccallum, James, Jr., St. Louis, Mo. Quantity indicator for liquids. 2,248,006; July 1.

MacDonald, Frank J., Brookline, assignor to Hood Rubber Company, Inc., Watertown, Mass. Loom and method of weaving. 2,247,760; July 1.

Macready, John A., San Francisco, Calif., and De W. H. Wyatt, Columbus, Ohio, assignors to General Motors Corporation. Refrigerating apparatus. 2,248,036; July 1.

Mahoney, Thomas E., Dorrance, Kans. Grain cleaner. 2,247,446; July 1.

Mallory, P. R. & Co. (See Hensel, F. R., and Emmert, assignors.)

Mandel, Morris J., Boston, Mass. Floor polishing device. 2,247,956; July 1.

Manka, Louis J., Fort Madison, Iowa. Wallpaper machine. 2,247,447; July 1.

Manning, Maxwell & Moore, Inc. (See Whitcomb, P., and Mitchell, assignors.)

Marathon Paper Mills Company. (See Broeren, F. L., and Krueger, assignors.)

Markey, Roscoe L., East Orange, assignor to Pollak Manufacturing Company, Arlington, N. J. Exhaust collector. 2,247,393; July 1.

Marley Company, The. (See Mart, Leon T., assignor.)

Marogg, Richard, New York, N. Y. Machine and method for forming bristles. 2,247,957; July 1.

Marshaus, Anthony J., Cleveland Ohio, assignor to General Electric Company. Exhausting machine. 2,247,513; July 1.
Mart, Leon T., Mission Township, Johnson County, assignor to The Marley Company, Kansas City, Kans. Center vent double flow coil tower. 2,247,514; July 1.
Martin, James H. (See Neidig, Daniel, assignor.)
Martinson, Oscar J. and W. C., River Forest, assignors to Bucyrus-Monighan Company, Chicago, Ill. Anchoring means for machines embodying walking traction mechanism. 2,247,782; July 1.
Martinson, Warren C. (See Martinson, Oscar J. and W. C.)
Marvel Equipment Corporation. (See Lawler, Jack A., assignor.)
Massolle, Joseph, Gross-Glienicke, Post Cladow, Germany. Machine for the production of alternating energy from direct current sources. 2,247,783; July 1.
Maxcy, Isabel T. (See Maxcy, Warren G., assignor.)
Maxcy, Warren G., assignor to I. T. Maxcy, Oshkosh, Wis. Weeding tool. 2,247,958; July 1.
McCaleb, Albert G. (See Eakins, John F., assignor.)
McComb, Richard J., Chicago, Ill., assignor to Woodings-Verona Tool Works, Verona, Pa. Spring washer. 2,247,959; July 1.
McCoy, Clarence E., Western Springs, and O. M. Nielsen, Chicago, and E. Obert, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Engraving machine. 2,247,671; July 1.
McCoy, Verl E., La Grange, Ill. Water treatment means and method. 2,247,762; July 1.
McFerron, Alfred V. (See Thomas, A. C., and McFerron.)
McIlrath, Roy E., Chicago, Ill. Heating unit. 2,247,816; July 1.
McLaughlin, Robert W. Jr., Bedford, N. Y., assignor to American Houses, Inc., New York, N. Y. Building structure. 2,247,886; July 1.
McMahan, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Centrifugal pump. 2,247,817; July 1.
McNelly, Monroe D., Cedar Rapids, Iowa. Awning. 2,247,616; July 1.
Medley, Clarence R., Columbus, Ga. Peanut shelling grate. 2,247,557; July 1.
Mehner, Vilma. (See Rostler, F., Mehner and Bornstein.)
Melvin, Francis F. (See Howell, B. C., and Melvin, assignors.)
Merck & Co. Inc. (See Fernholz, Erhard, assignor.)
Mergenthaler Linotype Company. (See Brandenburg, Hermann, assignor.)
Mergenthaler Linotype Company. (See Griffith, Chauncey H., assignor.)
Mergenthaler Linotype Company. (See Sundstrom, H. T., and Stopple, assignors.)
Metz, Haskell E., Marion, Ohio. Burial vault. 2,247,617; July 1.
Meyer, Adolf, Kusnacht, near Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Combustion turbine plant. 2,247,845; July 1.
Meyers, Richard, New York, N. Y. Exposure meter. 2,247,763; July 1.
Michaels, Dorothy J., Sault Ste. Marie, Mich. Heating device for washing machines. 2,248,007; July 1.
Michaels, Simon E., Woodhaven, assignor to Belle Telephone Laboratories, Incorporated, New York, N. Y. Tuning fork. 2,247,960; July 1.
Midvale Company, The. (See Frevert, Harry L., assignor.)
Miesen, Erich, Berlin-Charlottenburg, Germany. Ski with antislip means. 2,248,008; July 1.
Miller, Ralph. (See Hixson, A. W., and Miller.)
Mills, George E., Brighton, assignor of one-half to W. J. Brooks, Roslindale, Mass. Terrestrial globe. 2,247,394; July 1.
Minett, Wilfrid T., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Safety device for presses and the like. 2,247,515; July 1.
Mitchell, George A. (See Whitcomb, P. J., and Mitchell.)
Mitchell, Roscoe A., Laredo, assignor of one-half to G. B. Bancroft, San Antonio, Tex. Combination cable tool and wire line rotary core barrel. 2,247,729; July 1.
Mitteldeutsche Stahlwerke Aktiengesellschaft. (See Ulbricht, Bernhard, assignor.)
Modine Manufacturing Company. (See Boerger, Martin G., assignor.)
Molins Machine Company Limited. (See Chalmers, John W., assignor.)
Monsanto Chemical Company. (See Garrett, W. H., and Smith, assignors.)
Mooneyham, Floyd H. (See Rowe, Sidney M., assignor.)
Moore Company, The. (See Wunderlich, William E., assignor.)
Morgan, Edward B., Mount Airy, Pa. Hatbox partition. 2,248,009; July 1.
Moroney, Laurence F., Moonee Ponds, near Melbourne, Victoria, Australia. Sash holder. 2,247,618; July 1.
Morrow, Joseph H., Hokendauqua, assignor to Fuller Company, Catasauqua, Pa. Conveying apparatus. 2,247,448; July 1.
Morse, Arthur H., Cincinnati, Ohio, and C. Pieper, South Fort Mitchell, Ky., assignors to The Baldwin Company, Cincinnati, Ohio. Mechanism for pianos. 2,247,710; July 1.
Moskovics, Frederick E., Greenwich, Conn., and V. R. Abrams, Maplewood, N. J., assignor to Eleanor U. Andrews, Greenwich, Conn. Shaving device. 2,247,661; July 1.
Mueller Co. (See Bowan, Walter J., assignor.)
Mueller Co. (See Mueller, F. H., Bowan and Fawley, assignors.)
Mueller Co. (See Wilson, Edwin W., assignor.)
Mueller, Frank H., W. J. Bowan and E. H. Fawley, assignors to Mueller Co., Decatur, Ill. Corporation stop and tool. 2,247,427; July 1.
Mueller, Frederick K. (See Leonard, Andrew J., assignor.)
Mulvey, Joseph A., Andover, Mass. Athletic apparel. 2,247,961; July 1.
Murdock, Harold R., assignor to The Champion Paper and Fibre Company, Canton, N. C. Recovering chemical from waste pulping liquor. 2,247,584; July 1.
Murray Corporation of America, The. (See Widman, Charles H., assignor.)
Murray, Jane L. W., Edinburgh, Scotland. Sectional mattress. 2,247,516; July 1.
Nap Specialties Corporation. (See Sellinger, J. E., and Richman, assignors.)
Nascimbeni, Arthur, West Springfield, Mass. Finishing and burnishing tool. 2,247,887; July 1.
Nast, Leo, assignor to Universal Plastics Corporation, New Brunswick, N. J. Shoe last. 2,247,818; July 1.
National Aniline & Chemical Company. (See Flett, Lawrence H., assignor.)
National Manufacturing Co. (See Bittorf, L. A., and Decker, assignors.)
Neeson, Charles R., Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Compressor control. 2,247,449; July 1.
Neff, Paul W., New Kensington, Pa. Transmission. 2,247,920; July 1.
Neidig, Daniel, assignor to J. H. Martin, Chicago, Ill. Vending machine. 2,247,888; July 1.
Neiman, Robert, Louisville, Ky., assignor, by mesne assignments, to The Columbus Dental Manufacturing Company, Columbus, Ohio. Investment. 2,247,395; July 1.
Neiman, Robert, Louisville, Ky., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Investment composition. 2,247,585; July 1.
Neiman, Robert, Louisville, Ky., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Investment composition. 2,247,586; July 1.
Neiman, Robert, Louisville, Ky., assignor to Edmund A. Steinbock, Louisville, Ky. Investment composition. 2,247,587; July 1.
Neiman, Robert, Louisville, Ky., assignor to Edmund A. Steinbock, Louisville, Ky. Investment composition. 2,247,588; July 1.
Nelles, Russell E., South Orange, N. J., assignor to The Union Manufacturing Company, New Britain, Conn. Automatic circuit controller. 2,248,010; July 1.
Nerney, George E., Attleboro, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,247,639; July 1.
Neubert, Ulrich. (See Schuchmann, H., and Neubert.)
Neuschaefer, Franz, Rye, N. Y. Container cover. 2,248,011; July 1.
Neville Company, The. (See Carmody, William H., assignor.)
Neville, Joseph F., Woodruff, Utah. Load binder. 2,247,642; July 1.
Nevin, James V., Aberdeen, Wash. Binder for patching veneers. 2,247,764; July 1.
Newhouse, Russell C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radiant energy distance measuring system. 2,247,662; July 1.
New Jersey Machine Corporation. (See von Hofe, George W., assignor.)
Newport Industries, Inc. (See Palmer, R. C., and Blbb, assignors.)
Newton, Charles E., Marlboro, Mass., assignor to B. W. Freeman, Cincinnati, Ohio. Ornamenting machine. 2,247,396; July 1.
Nichols, Edgar B., Moorestown, N. J. Inlaying. 2,247,558; July 1.
Nielsen, John F., Forest Hills, N. Y., assignor to Cinaudagraph Corporation, Stamford, Conn. Reproducer. 2,247,640; July 1.
Nielsen, Oliver M. (See McCoy, C. E., Nielsen, and Obert.)
Normington, James B. (See Dickey, J. B., and Normington.)
Nurre Companies, The. (See Levaggi, Andrew, assignor.)
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch plate. 2,247,690; July 1.
Obert, Edward. (See McCoy, C. E., Nielsen, and Obert.)
O'Brien, William L., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Condenser finning machine. 2,247,730; July 1.
Odendahl, Irve E., Minneapolis, assignor to Elk River Concrete Products Company, Elk River, Minn. Mold core. 2,247,517; July 1.

Olsen, Fredrik, Kongsberg, Norway. Cooking apparatus. 2,248,037; July 1.
Olsen, John H., assignor to Pulp Reproduction Company, Milwaukee, Wis. Hunter's decoy. 2,247,450; July 1.
Olson, Harry F., Haddon Heights, N. J., assignor to Radio Corporation of America. Electroacoustical apparatus. 2,247,663; July 1.
Olson, Harry F., Haddon Heights, N. J., assignor to Radio Corporation of America. Cabinet for housing sound-reproducing apparatus. 2,247,731; July 1.
Oman, Gustaf H., Whitestone, N. Y. Loose-leaf binder. 2,247,397; July 1.
Ormsby, Donald D., and A. W. Peirce, assignors to Clark Equipment Company, Buchanan, Mich. Vehicle. 2,247,962; July 1.
Orthner, Ludwig, C. Platz, H. Keller, Frankfort-on-the-Main, and H. Sönke, Bad Soden in Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Capillary active compounds and preparing them. 2,247,921; July 1.
Osann, Frederick. (See Hohmann, R. K., and Osann.)
Osman, Ralph T., assignor to Koehring Company, Milwaukee, Wis. Push connector for vehicles. 2,247,664; July 1.
Otis Elevator Company. (See Lewis, J. D., and Bruns, assignors.)
Ottersland, Peter N., Watertown, N. Y. Chipper. 2,247,665; July 1.
Owen, Frank M., Houston, Tex. Reciprocating means for catheads. 2,247,518; July 1.
Owens, Walter L., Chesterfield, assignor to Robert W. Shoemaker, Anderson, Ind. Banding machine. 2,247,398; July 1.
Pace, Leland A., El Monte, Calif. Method of and rack for storing lumber. 2,247,519; July 1.
Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Palmer, Robert C., and C. H. Bibb, assignors to Newport Industries, Inc., Pennsacola, Fla. Polymerizing rosin and product made thereby. 2,247,399; July 1.
Palmer, Robert C., and C. H. Bibb, assignors to Newport Industris, Inc., Pensacola, Fla. Preparing a high melting stable rosin product and the product made thereby. 2,247,400; July 1.
Pangborn Corporation. (See Huyett, Robert B., assignor.)
Pangborn Corporation. (See Linderman, Garret B., Jr., assignor.)
Paolillo, Cesare, Milan, Italy. Liquid fuel burner. 2,247,889; July 1.
Papendick, Elizabeth, executrix. (See Papendick, Gustav C.)
Papendick, Gustav C., University City, Elizabeth Papendick, executrix, of Gustav C. Papendick, deceased, assignor to Papendick, Inc., St. Louis, Mo. Packaging sliced loaves. 2,247,401; July 1.
Papendick, Gustav C., University City, deceased, E. Papendick, executrix, assignor to Papendick, Inc., St. Louis, Mo. Fractionating sliced bread loaves. 2,247,692; July 1.
Papendick, Gustav C., University City, deceased, E. Papendick, executrix, assignor to Papendick, Inc., St. Louis, Mo. Machine for fractionating and slicing bread loaves. 2,247,693; July 1.
Papendick, Gustav C., University City, deceased, E. Papendick, executrix, assignor to Papendick, Inc., St. Louis, Mo. Sliced bread-load fractionating machine. 2,247,694; July 1.
Papendick, Gustav C., University City, deceased, E. Papendick, executrix, assignor to Papendick, Inc., St. Louis, Mo. Packaging of baked bread loaves. 2,247,695; July 1.
Papendick, Gustav C., University City, deceased, E. Papendick, executrix, assignor to Papendick, Inc., St. Louis, Mo. Fractionating sliced bread loaves. 2,247,696; July 1.
Papendick, Gustav C., University, deceased, E. Papendick, executrix, assignor to Papendick, Inc., St. Louis, Mo. Mechanism for fractionating sliced baked bread loaves. 2,247,697; July 1.
Papendick, Gustav C., University City, deceased, E. Papendick, executrix, assignor to Papendick, Inc., St. Louis, Mo. Fractionating sliced baked bread loaves. 2,247,698; July 1.
Papendick, Gustav C., University City, and W. A. Thum, assignors to Papendick, Inc., St. Louis, Mo. Sliced loaf fractionating equipment. 2,247,699; July 1.
Papendick, Inc. (See Papendick, Gustav C., assignor.)
Papendick, Inc. (See Papendick, G. C., and Thum, assignors.)
Papendick, Inc. (See Thum, Walter A., assignor.)
Papendick, Inc. (See Wolf, A. H., and Thum, assignors.)
Patent Button Company, The. See Purinton, Forrest G., assignor.)
Patentwerwertungs-Gesellschaft mit beschränkter Haftung "Hermes." (See Freudenhammer, Klaus, assignor.)
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,247,732; July 1.
Pauly Jail Building Company. (See Cerny, George, assignor.)
Paxton, Dewey M., assignor, by mesne assignments, to Curtis Anti-Vapor Pumps, Inc., Los. Angeles, Calif. Check valve. 2,247,520; July 1.
Pearl, Morris L., assignor to Pearlplan Mfg. Company, Philadelphia, Pa. Electric chime. 2,247,641; July 1.
Pearlplan Mfg. Company. See Pearl, Morris L., assignor.)
Peirce, Andrew W. (See Ormsby, D. D., and Peirce.)
Penica, Joseph, Billings, Mont. Toy excavating shovel. 2,247,619; July 1.
Pennsylvania Railroad Company, The. (See Jones, Lloyd B., assignor.)
Perfection Stove Company. (See Focke, Theodore B., assignor.)
Perfection Stove Company. (See Kirkpatrick, Joseph R., assignor.)
Perkins, Ralph P., and F. Bryner, assignors to The Dow Chemical Company, Midland, Mich. Aralkyl phenol and making it. 2,247,402; July 1.
Perkins, Ralph P., and F. Bryner, assignors to The Dow Chemical Company, Midland, Mich. Aralkyl polynuclear phenol. 2,247,403; July 1.
Perkins, Ralph P., and Fred Bryner, assignors to The Dow Chemical Company, Midland, Mich. Aralkyl polyhydric phenol. 2,247,404; July 1.
Perlman, Ben, New York, N. Y. Hanging means for awnings and the like. 2,247,846; July 1.
Peters, Charles M. (See Seils, Hugo E., assignor.)
Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Overrunning clutch with floating raceway. 2,247,713; July 1.
Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Transmission mechanism. 2,247,714; July 1.
Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Balking ring clutch. 2,247,715; July 1.
Pfeiffer, Arthur C., Chicago, Ill. Window screen. 2,247,819; July 1.
Pfleumer, Fritz, Dresden, Germany. Recording and reproducing device for magnetic sound writing. 2,247,847; July 1.
Philadelphia Steel and Wire Corporation. (See Washer, Chandler C., assignor.)
Phillips, James D., Oriskany, N. Y. Road sweeper. 2,248,012; July 1.
Phipps, George S., Chatham, and E. E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wiping solder. 2,247,559; July 1.
Phipps, John T., assignor to S. R. Bowen Co., Huntington Park, Calif. Jar. 2,247,560; July 1.
Pieper, Charles. (See Morse, A. H., and Pieper.)
Pierce, Bert H., Oak Park, Ill. Wrench. 2,247,521; July 1.
Pittsburgh Plate Glass Company. (See Strain, F., and Pollack, assignors.)
Platz, Carl. (See Orthner, L., Platz, Keller, and Sönke.)
Polk Development Company, The. (See Polk, Ralph, Sr., and Ralph, Jr., assignors.)
Polk, Ralph, Jr. (See Polk, Ralph, Sr., and Ralph, Jr.)
Polk, Ralph, Sr., Miami, and R. Polk, Jr., Haines City, assignors to The Polk Development Company, Tampa, Fla. Tool for segmenting citrus fruits. 2,247,589; July 1.
Pollack, Maxwell A. (See Strain, F., and Pollack.)
Pollak Manufacturing Company. (See Markey, Roscoe I., assignor.)
Pollard, Charles E. (See Harrison, H. C., and Pollard.)
Pollock, Doyon H. (See Edmister, W. C., and Pollock.)
Poor, Fred M., Seattle, Wash. Burner. 2,247,848; July 1.
Potter, Ralph K., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directional antenna system. 2,247,666; July 1.
Potter, Robert S., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Pump. 2,247,922; July 1.
Prager, Gustav. (See Hartman, L., and Prager.)
Presser, Harry, New York, N. Y. Garment. 2,247,784; July 1.
Presto Recording Corporation. (See Saliba, George J., assignor.)
Process Management Company. (See Ruthruff, Robert F., assignor.)
Proportioneers, Inc. (See Armbrust, Henry N., assignor.)
Protectoseal Company of America. (See Lebus, William A., assignor.)
Prutton, Carl F., Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich. Treatment of wells. 2,248,028; July 1.
Pulp Reproduction Company. (See Olsen, John H., assignor.)
Puppe, Heinz, deceased, Berlin-Reinickendorf, Germany, W. A. Dodge, administrator, Schenectady, N. Y., assignor to General Electric Company. Electric valve translating system. 2,247,785; July 1.
Purdy, Everett H. (See Tabb, W. T., and Purdy.)
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Tack button. 2,247,522; July 1.
Purtell, William A., West Hartford, Conn., assignor to The Sparmal Corporation. Oil burner installation. 2,247,859; July 1.
Quinn, Edward, Malden, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating on shoes. 2,247,691; July 1.
Radio Corporation of America. (See Atwood, J. B., and Goddard, assignors.)

Radio Corporation of America. (See Beverage, Harold H., assignor.)
Radio Corporation of America. (See Blessing, Gregory W., assignor.)
Radio Corporation of America. (See Böhm, Otto, assignor.)
Radio Corporation of America. (See Burt, Alexander D., assignor.)
Radio Corporation of America. (See Carson, Benjamin R., assignor.)
Radio Corporation of America. (See Collins, Milford E., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Evans, John, assignor.)
Radio Corporation of America. (See Fields, James L., assignor.)
Radio Corporation of America. (See Guedon, Emile C., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Hickok, Willard H., assignor.)
Radio Corporation of America. (See Hochn, John J., assignor.)
Radio Corporation of America. (See Kimmich, W., and Schnoor, assignors.)
Radio Corporation of America. (See Kinyon, Brice W., assignor.)
Radio Corporation of America. (See Olson, Harry F., assignor.)
Railway Utility Company. (See Willer, Nicholas L., assignor.)
Ralston, Anderson W., Chicago, and E. W. Hopkins, Hinsdale, assignors to Armour and Company, Chicago, Ill. Sterilization of liquids. 2,247,711; July 1.
Ramsey, Allan, Evanston, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Repeating or reclosing cutout. 2,247,700; July 1.
Ramsey, Allan, Evanston, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse construction. 2,247,701; July 1.
Ramsey, Allan, Evanston, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse construction. 2,247,702; July 1.
Raney, Eldon D., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,247,405; July 1.
Ranco Incorporated. (See Raney, Eldon D., assignor.)
Ransburg, Harold P., and H. J. Green, assignors to H. J. Ransburg, doing business as Harper J. Ransburg Company, Indianapolis, Ind. Apparatus for spray coating articles. 2,247,963; July 1.
Ransburg, Harper J., Company. (See Ransburg, H. P., and Green, assignors.)
Raolin Corporation, The. (See Raynolds, James W., assignor.)
Rapelye, Donald H. (See Carlson, Adolph E., assignor.)
Rawls, Paul C., Milwaukee, Wis. X-ray filter. 2,247,451; July 1.
Rayburn, Alden G., Sausalito, assignor of one-half to W. H. Brooks, San Francisco, Calif. Refrigeration method and apparatus. 2,247,850; July 1.
Raymond, Julian E., Washington, D. C. Aircraft fuel discharge. 2,247,406; July 1.
Raynolds, James W., Pittsburgh, Pa., assignor to The Raolin Corporation, Charleston, W. Va. Making pure rubber and derivatives thereof. 2,247,407; July 1.
Reardon, Robert T., Fort Wayne, Ind., assignor to General Electric Company. Core for electrical apparatus. 2,247,890; July 1.
Reese, William W., Upper Darby, Pa. Outlet box for electrical installation. 2,247,712; July 1.
Refining, Inc. (See Clayton, B., Kerrick, and Stadt, assignors.)
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,247,408; July 1.
Renner, Otto. (See Tröger, R., and Renner.)
Reynolds, Earl C., Detroit, Mich. Water softener. 2,247,964; July 1.
Reysa, Lester J. (See Brennan, Frank C. and J. S., and Reysa.)
Richman, Herman H. (See Sellinger, J. E., and Richman.)
Riddle, Zelic, San Diego, Calif. Air cleaner. 2,247,786; July 1.
Rieder, A. D. (See Lyman, Theodor R., assignor.)
Riehl, Theodore A., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Rubber bonded to artificial silk. 2,247,923; July 1.
Rittter, Emil W., Chicago, Ill. Heater. 2,247,849; July 1.
Ritter, Julius Jr., assignor to Hartmann Trunk Company, Racine, Wis. Wardrobe suitcase. 2,247,965; July 1.
Ritter, W. M., Lumber Company. (See Klammt, Arthur, assignor.)
Robbins, Bernard V., Cayuga, Ind. Train order deliverer. 2,248,013; July 1.
Robinson, Donald E. (See Asch, S., and Robinson.)
Robinson, William W., assignor to Cumberland Case Company, Chattanooga, Tenn. Bottle crate. 2,247,620; July 1.
Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Tension regulator. 2,248,014; July 1.
Rogler, Clarence F. (See Damon, R. H., Rogler, Bauer, and Kulo.)
Rohn, Wilhelm, Hanau-on-the-Main, F. Bollenrath, Berlin-Johannisthal, and H. Cornelius, Berlin-Adlershof, Germany. Hardening cobalt-nickel-chromium-iron alloys. 2,247,643; July 1.
Root, John J., Dobbs Ferry, N. Y. Electric impulse motor. 2,247,966; July 1.
Roper, John M., Washington, D. C. Ultraviolet instrument lamp. 2,247,409; July 1.
Rosberger, Max, Newark, N. J. Mattress. 2,247,667; July 1.
Rosenberg, Julian D. (See Whiting, George C., assignor.)
Rosenthal, Henry, Yonkers, N. Y. Preparing food from oleaginous, protein-base, organic material. 2,247,851; July 1.
Rosenthal, William C., Chicago, Ill., assignor to International Harvester Company. Vehicle. 2,247,668; July 1.
Ross, David E., La Fayette, Ind. Hydraulic coupling device. 2,247,410; July 1.
Rostler, Fritz, V. Mehner, Vienna, Germany, and L. Bornstein, Krakow, Poland. Cresol-hydrocarbon-formaldehyde condensation product. 2,247,411; July 1.
Rotherham, Walter S., Lincoln Park, assignor to Hermas Machine Company, Hawthorne, N. J. Selector. 2,247,733; July 1.
Rowe, Sidney M., assignor of forty per cent to F. H. Mooneyham, Montgomery, Ala. Apparatus for casting. 2,247,561; July 1.
Rundell, Rupert B., Rockville Centre, N. Y., assignor to American Machine & Foundry Company. Cigarette machine. 2,247,413; July 1.
Ruthruff, Robert F., Nutley, N. J., assignor to Process Management Company, Inc., New York, N. Y. Manufacture of gel-type metallic oxide catalysts. 2,247,820; July 1.
Ruthruff, Robert F., Chicago, Ill., assignor to Chempats Incorporated. Manufacture of trialkyl borons. 2,247,821; July 1.
Rybicky, Chester J., Cleveland, Ohio. Machine for finishing forms. 2,247,412; July 1.
S. & W. Find Foods, Inc. (See Carroll, Ellsworth W., assignor.)
Sabino, James W. (See Bofenkamp, F. W., and Sabino.)
Saco-Lowell Shops. (See Goodchild, George, assignor.)
Safety Devices Corporation. (See Schreiber, Henry, assignor.)
Sainich, Martin, Livingston, Mont. Barbecue roaster. 2,247,669; July 1.
Saliba, George J., Englewood, N. J., assignor to Presto Recording Corporation, New York, N. Y. Automatic equalizing system for recording on disk records. 2,247,924; July 1.
Sands, David P., H. B. Hendershot, and F. J. Hinderliter, Tulsa, Okla. Reinforced hose. 2,247,416; July 1.
Santen, Louis J., Bellevue, Ky., assignor to The B. A. Wesche Electric Company, Cincinnati, Ohio. Thruster. 2,247,562; July 1.
Saunders, Fred L., Marysville, Wash. Game. 2,247,852; July 1.
Saunders, Ronald G., et al. (See Warren, Calvin C., assignor.)
Schellenberg, Walter, Allensbach-on-the-Bodensee, W. Schmolz, Radolfzell-on-the-Bodensee, W. Warth, Allensbach-on-the-Bodensee, and R. Wiggenhauser, assignors to the firm Trikotfabriken J. Schiesser A.-G., Radolfzell-on-the-Bodensee, Baden, Germany. Apparatus for making patterned goods on knitting, hosiery, and similar machines. 2,247,716; July 1.
Schering Corporation. (See Schwenk, E., and Whitman.)
Schick, Friedrich, Berlin-Dahlem, and H. Schramm, Berlin-Lichtenrade, assignors to Deutsche Erdöl-Aktiengesellschaft, Berlin-Schoeneberg, Germany. Refining phenols. 2,247,523; July 1.
Schmidt, Gottfried J., Pearl River, N. Y., assignor to Bowling Patents Management Corporation. Suction lifter. 2,247,787; July 1.
Schmolz, Walther. (See Schellenberg, W., Schmolz, Warth, and Wiggenhauser.)
Schneible, Claude B., Chicago, Ill. Ventilating apparatus. 2,247,891; July 1.
Schneible, Claude B., Chicago, Ill. Airflow ventilating apparatus. 2,247,892; July 1.
Schnoor, Herman. (See Kimmich, W., and Schnoor.)
Schramm, Helmut. (See Schick, F., and Schramm.)
Schreiber, Henry, Woodside, assignor, by mesne assignments, to Safety Devices Corporation, New York, N. Y. Container safety device. 2,247,734; July 1.
Schuchmann, Hans, Berlin-Spandau, and U. Neubert, Brunswick, assignors to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Electronic microscope. 2,247,524; July 1.
Schumacher, Earle E. (See Phipps, G. S., and Schumacher.)
Schweitzer & Conrad, Inc. (See Ramsey, Allan, assignor.)
Schweitzer & Conrad, Inc. (See Triplett, Hugh A., assignor.)
Schwenk, Erwin, Montclair, N. J., and B. Whitman, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Acids of the cyclopentano phenanthrene series and their derivatives and making same. 2,247,822; July 1.
Scott & Williams, Incorporated. (See Shelmire, Stanley R., assignor.)

Sears, Roebuck and Co. (See Hein, R. O., and Shaeffer, assignors.)
Sears, Roebuck and Co. (See Hohmann, Richard K., assignor.)
Sears, Roebuck and Co. (See Hohmann, R. K., and Osann, assignors.)
Sears, Roebuck and Co. (See Wexler, Monroe L., assignor.)
Sebrell, Lorin B., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Gas mask and other clothing. 2,247,925; July 1.
Seils, Hugo E., Chicago, assignor of twenty-six and two-thirds per cent to C. M. Peters, Lansing, Ill. Self-releasing battery terminal clamp. 2,247,452; July 1.
Selby, Lynn O., Rocky Hill, Conn., assignor to The Sparmal Engineering Corporation. Oil burner. 2,247,855; July 1.
Selby, Lynn O., Cromwell, Conn., assignor to The Sparmal Engineering Corporation. Oil burner. 2,247,856; July 1.
Selby, Lynn O., Cromwell, Conn., assignor to The Sparmal Engineering Corporation. Oil burner. 2,247,857; July 1.
Selby, Lynn O., Cromwell, Conn., assignor to The Sparmal Engineering Corporation. Oil burner. 2,247,858; July 1.
Selby, Lynn O., Cromwell, Conn., assignor to The Sparmal Engineering Corporation. Oil burner. 2,247,860; July 1.
Sellinger, Jack E., Malverne, and H. H. Richman, assignors to Naps Specialties Corporation, Brooklyn, N. Y. Vending machine. 2,247,644; July 1.
Servel, Inc. (See O'Brien, William L., assignor.)
Shaeffer, Norbert. (See Hein, R. O., and Shaeffer.)
Sharp & Dohme, Incorporated. (See Hartung, W. H., and Crossley, assignors.)
Sharp, John C., Glen Ellyn, Ill., assignor to Edison General Electric Appliance Company, Inc. Fluid heater. 2,247,824; July 1.
Sharp, John H., Chicago, Ill. Power transmitting means. 2,247,670; July 1.
Sharples Corporation, The. (See Ayres, Arthur U., assignor.)
Shelmire, Stanley R., assignor to Scott & Williams, Incorporated, Laconia, N. H. Pattern reversing mechanism for electromechanical knitting machines. 2,247,967; July 1.
Sherwood Brass Works. (See Sherwood, David, assignor.)
Sherwood, David, assignor to Sherwood Brass Works, Detroit, Mich. Water inlet valve for tanks. 2,247,525; July 1.
Shoemaker, Robert W. (See Owens, Walter L., assignor.)
Sieber, Arthur E., Haledon, N. J. Portable diner. 2,247,893; July 1.
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Barth, Gustav, assignor.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Dam-forming device. 2,247,788; July 1.
Silverman, Daniel, and R. W. Stuart, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Electrical logging. 2,247,417; July 1.
Simplex Putty Applicator Company. (See Christman, John M., assignor.)
Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
Slater, Edwin L., Sioux City, Iowa. Baseball game. 2,247,853; July 1.
Smellie, Donald G., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,247,789; July 1.
Smith, A. O. Corporation. (See Tiedemann, Julius B., assignor.)
Smith, Claude H., Tallmadge, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Manufacture of mercaptothiazoles. 2,247,894; July 1.
Smith, H. Perry. (See Long, Angus S., assignor.)
Smith, Isidore P., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Apron panel for gliders. 2,247,703; July 1.
Smith, Leroy C., Peterboro, Ontario, Canada. Polishing machine. 2,247,970; July 1.
Smith, Sydney. (See Garrett, W. H., and Smith.)
Smith, William A., Hamburg, N. Y. Treatment of hydrocarbons. 2,247,926; July 1.
Smith, William A., Hamburg, N. Y. Treatment of hydrocarbons. 2,247,927; July 1.
Smith, William R., Philadelphia, Pa. Toy railway with sound effects. 2,247,418; July 1.
Snell, Joseph W., Hackensack, N. J. Eyeshade. 2,247,971; July 1.
Socony-Vacuum Oil Company. (See Fuller, Everett W., assignor.)
Solvay Process Company. (See Beekhuis, Herman A., Jr., assignor.)
Somes, Howard E., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Making metal for castings. 2,247,823; July 1.
Sönke, Heinz. (See Orthner, L., Platz, Keller, and Sönke.)
Sorenson, Ben E., Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monoethers of dimethylol urea and making same. 2,247,419; July 1.
Sostrin, Samuel Z., and C. J. Dembicki, assignors to W. M. Alexander, trustee, Chicago, Ill. Artificial tooth. 2,247,968; July 1.
Spalding, Robert S., Denver, Colo. Projectile. 2,247,563; July 1.
Sparmal Engineering Corporation, The. (See Purtell, William A., assignor.)
Sparmal Engineering Corporation. (See Selby, Lynn O., assignor.)
Speer, Robert A., Detroit, Mich. Lock mechanism. 2,247,621; July 1.
Spielberger, Georg, and O. Bayer, Leverkusen-I. G. Werk, and W. Bunge, Leverkusen-Wiesdorf, Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Condensation products. 2,247,735; July 1.
Spiers, Henry M. (See Chadder, W. J., Spiers, and Arnold, assignors.)
Spraying Systems Co. (See Wahlin, Fred W., assignor.)
Squibb, E. R. & Sons. (See Fieser, L. F., and Christiansen, assignors.)
Stadt, Henry M. (See Clayton, B., Kerrick, and Stadt.)
Stafford, Earl. (See Zarotschenzeff, M. T., Stafford, and Welling.)
Stanton, Cornelius M. (See Vincent, W. J., and Stanton.)
Standard Oil Company. (See Edmister, W. C., and Pollock, assignors.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Stanolind Oil and Gas Company. (See Silverman, D., and Stuart, assignors.)
Steigerwald, John S. (See Sundee, John R., assignor.)
Steinbock, Edmund A. (See Collins, Paul F., assignor.)
Steinbock, Edmund A. (See Neiman, Robert, assignor.)
Steinbock, Edmund A. (See Neiman, Robert, and Steinbock.)
Steinen, William, South Orange, N. J. Frame and handle assemblage for mirrors, brushes, and other devices forming parts of toilet and dresser sets. 2,247,526; July 1.
Stewart, Lemuel L., Elkhart, Ind., assignor to The Adlake Company. Edgeglow lighting system. 2,247,969; July 1.
Stewart, William V., Quincy, Ill. Automatic thermostatic switch. 2,247,414; July 1.
Stillman, Albert L., Plainfield, N. J. Combustion of carbonaceous fuels and fuel products used therein. 2,247,415; July 1.
Stimson, Allen G., Schenectady, N. Y., assignor to General Electric Company. Operating mechanism. 2,247,792; July 1.
Stinnes, Hanns H., Berlin, Germany. Swash-ring driving mechanism. 2,247,527; July 1.
Stopple, Clarence A. (See Sundstrom, H. T., and Stopple.)
Strain, Franklin, and M. A. Pollack, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Forming chloroacrylate polymers. 2,247,790; July 1.
Striplin, Marcus M., Jr. (See Hartford, C. E., and Striplin.)
Strong, Charles W., Portland, Oreg. Valve. 2,247,590; July 1.
Stuart, Robert W. (See Silverman, D., and Stuart.)
Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
Sullivan, Timothy J., assignor to Sullivan Valve and Engineering Company, Butte, Mont. Pipe fitting. 2,247,972; July 1.
Sullivan Valve and Engineering Company. (See Sullivan, Timothy J., assignor.)
Sundee, John R., assignor to J. S. Steigerwald, Buffalo, N. Y. Dial illuminator for telephones. 2,247,591; July 1.
Sundquist, Ester, St. Paul, Minn. Insect and fly catcher. 2,247,791; July 1.
Sundstrom, Herman T., and C. A. Stopple, Houston, Tex., assignors to Mergenthaler Linotype Company. Typographical distributing machine. 2,247,973; July 1.
Super Manufacturing Co. (See Gorton, Clyde B., assignor.)
Sutter Co., Inc., The. (See Sutter, Erwin L., assignor.)
Sutter, Erwin L., Boston, assignor to The Sutter Co., Inc., Alliston, Mass. Emergency tire truck. 2,247,717; July 1.
Suydam, Joseph W., Bayport, N. Y. Electric starting motor. 2,247,645; July 1.
Sweeney, Beauregard. (See Thurston, A. L., and Sweeney.)
Swift, George L., Chicago, Ill. Protective device. 2,247,592; July 1.
Sylvan, Stig G:son, Stockholm, Sweden, assignor to American Air Filter Company, Inc., Louisville, Ky. Rotary dust separater. 2,247,528; July 1.
Sylvania Industrial Corporation. (See Wallach, Andre, assignor.)
Sylvester, Evander W., U. S. Navy. Joining pipe. 2,247,420; July 1.
Synero Machine Company. (See Fearn, Richard L., assignor.)
Tabb, Warner T., Brooklyn, N. Y., and E. M. Purdy, New Canaan, Conn., assignor to Eisemann Magneto Corporation, New York, N. Y. Pressure regulator for fuel injection systems for internal combustion engines. 2,247,421; July 1.

Tanke, Willard H. (See Frudden, C. E., Tanke, and Buhr.)
Tattersall, Harold J., Ardrossan, Scotland, assignor to Imperial Chemical Industries, Limited. Resinous condensation products and the production thereof. 2,247,422; July 1.
Taylor, Thomas I., Minneapolis, Minn. Asbestos and cement composition and making. 2,247,453; July 1.
Taylor, William I., L. B. Gibbins, and A. H. Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production from continuous filaments of yarns exhibiting the characteristics of staple fiber yarns. 2,247,529; July 1.
Tefi-Apparatabau Dr. Daniel K.-G. (See Daniel, Karl, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Jachnow, Walter, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphite m. b. H. (See Werndl, Ernst, assignor.)
Teletype Corporation. (See Reiber, Albert H., assignor.)
Temple, Robert, Jr., Pittsburgh, Pa. Coupling. 2,247,928; July 1.
Tepel, Herman A., Cleveland Heights, assignor of one-half to John C. Boyton, Cleveland, Ohio. Cable seal. 2,247,671; July 1.
Terhune, Cornelius F., Kansas City, Mo. Windmill. 2,247,929; July 1.
Terry, Roy V., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal block. 2,247,646; July 1.
Texas Tanning & Manufacturing Company. (See Gassert, I. F., and Hoffman, assignors.
Thermal Industrial and Chemical (T. I. C.) Research Company Limited. (See Chadder, W. J., Spiers, and Arnold, assignors.)
Thimblethorpe, Wilfred S., London, England. Electric stove. 2,247,974; July 1.
Thomas, Albert C., and A. V. McFerron, Cleveland, Ohio. Link mat structure and parts thereof. 2,247,530; July 1.
Thomas, Arthur H., Company. (See Van Arkel, John L., assignor.)
Thompson, Roy S., Bay Village, Ohio. Painting apparatus. 2,247,622; July 1.
Thomson, Leroy A., assignor to Bump Pump Company, La Crosse, Wis. Pump seal. 2,247,454; July 1.
Thorn, Robert J., et al. (See Barr, F. L., and Ulrich, assignors.)
Thum, Walter A. (See Papendick, G. C., and Thum.)
Thum, Walter A. (See Wolf, A. H., and Thum.)
Thum, Walter A., assignor to Papendick, Inc., St. Louis, Mo. Article handling machinery. 2,247,672; July 1.
Thum, Walter A., assignor to Papendick, Inc., St. Louis, Mo. Bread-loaf fractionating mechanism. 2,247,673; July 1.
Thum, Walter A., assignor to Papendick, Inc., St. Louis, Mo. Mechanism for subdividing sliced baked bread loaves. 2,247,674; July 1.
Thum, Walter A., assignor to Papendick, Inc., St. Louis, Mo. Baked bread loaf handling equipment. 2,247,675; July 1.
Thum, Walter A., assignor to Papendick, Inc., St. Louis, Mo. Sliced baked bread loaf handling mechanism. 2,247,676; July 1.
Thumim, Carl, and R. J. Baskerville, Yeadon, Pa., assignors to General Electric Company. Operating mechanism. 2,247,861; July 1.
Thumim, Carl, Yeadon, Pa., assignor to General Electric Company. Operating mechanism. 2,247,862; July 1.
Thurston, Arthur L., Wantagh, and B. Sweeney, Great Neck, N. Y. Calculator. 2,247,531; July 1.
Tiedemann, Julius B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Pipe swaging machine. 2,247,863; July 1.
Tiedemann, Julius B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Stock-feeding mechanism for swaging machines. 2,247,864; July 1.
Tinnerman, George A., asssignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening installation and fastener therefor. 2,247,975; July 1.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Titus, Thomas L., Denver, Colo., assignor to The Wyott Manufacturing Company, Cheyenne, Wyo. Liquid dispensing valve. 2,247,976; July 1.
Torkelson, Torkel E., Baldwin, assignor to International Business Machines Corporation, New York, N. Y. Perforating machine. 2,247,895; July 1.
Treckmann, Hans, Wuppertal-Oberbarmen, assignor to Messrs. Halstenbach & Co., Wuppertal-Wichlinghausen, Germany. Thread winding machine. 2,247,718; July 1.
Trikotfabriken J. Schiesser A.-G. (See Schellenberg, W., Schmolz, Warth and Wiggenhauser, assignors.)
Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse construction. 2,247,704; July 1.
Tripp, Edward J., Hillcroft, Stone Hill, Hanham, assignor to Flight Refuelling Limited, London, England. Delivery mechanism for delivering liquid such as fuel to tanks. 2,247,532; July 1.
Tröger, Richard, Berlin-Zehlendorf-Mitte, and O. Renner, Berlin-Glienicke-Nordbahn, Germany, assignors to General Electric Company. Electric valve converting system. 2,247,793; July 1.
Truog, Emil. (See Barker, G. J., and Truog.)
Tucker, Guy S. (See Hill, Rolo D., assignor.)
Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerator. 2,247,736; July 1.
Tunney, Charles M. (See Bowers, E. E., and Tunney.)
Turin, Henry, Brooklyn, O. E. Kase, New York, and H. D. Hinckline, Mount Vernon, N. Y. Time controlled setting device. 2,247,455; July 1.
Turner, Percy R., Fort Worth, Tex. Coupling protector. 2,247,564; July 1.
Turner, Robert E., New York, N. Y. Vacuum radiator air vent valve. 2,247,930; July 1.
Twist, Frederick C., Weldon, Ill. Amusement apparatus. 2,247,533; July 1.
Ulbricht, Bernhard, assignor to Mitteldeutsche Stahlwerke Aktiengesellschaft, Riesa-Groba-on-the-Elbe, Germany. Tank for galvanizing metal articles by the lead-zinc process. 2,247,854; July 1.
Ulrich, Carl W., et al. (See Barr, F. L., and Ulrich.)
Union Manufacturing Company, The. (See Nelles, Russell E., assignor.)
Union Oil Company of California. (See Bray, Ulric B., assignor.)
Union Oil Company of California. (See Bray, U. B., and Carr, assignors.)
Union Oil Company of California. (See Flaxman, Marcellus T., assignor.)
Union Switch & Signal Company, The. (See Caille, G. L., and Laze, assignors.)
Unique Art Manufacturing Co. (See Berger, Samuel L., assignor.)
United Shoe Machinery Corporation. (See Eastman, Fred C., assignor.)
United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
United Shoe Machinery Corporation. (See Minett, Wilfried T., assignor.)
United Shoe Machinery Corporation. (See Quinn, Edward, assignor.)
U. S. Electrical Motors, Inc. (See Heyer, Don, assignor.)
United States Rubber Company. (See Cooper, Harry E., assignor.)
United States Rubber Company. (See Wolfhard, F. H., and Woodall, assignors.)
Universal Oil Products Company. (See Angell, Charles H., assignor.)
Universal Plastics Corporation. (See Nast, Leo, assignor.)
Uschold, Clarence W., Kenmore, and E. Duffy, Buffalo, N. Y. Oil burning apparatus. 2,247,977; July 1.
Utah Radio Products Company. (See Barrett, Edward L., assignor.)
Uzcudun, Paulino, J. M. Elustondo, P. Galarraga, and S. Zuloaga, San Sebastian, Spain. Internal combustion engine. 2,248,029; July 1.
Van Arkel, John L., Haddonfield, N. J., assignor to Arthur H. Thomas Company, Philadelphia, Pa. Shaker. 2,247,978; July 1.
Van Dorn, Herbert E., Chicago, Ill., assignor to Dornvan Corporation. Tight-lock car, air, and electric coupler. 2,247,677; July 1.
Van Unen, Jacob, assignor to Werkspoor N. V., Amsterdam, Netherlands. Cutting tool for slitting purposes. 2,247,719; July 1.
Victaulic Company Limited. (See Johnson, Percy G., assignor.)
Vincent, William J., and C. M. Stanton, Rochester, N. Y. Method of and apparatus for trapping animals. 2,247,931; July 1.
Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Welting. 2,247,456; July 1.
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Label applying machine. 2,247,623; July 1.
Von Schlegell, Frederick, Pasadena, Calif. Tractor hitch. 2,247,534; July 1.
Von Tannenberg, Walter M., Bremen, assignor to Leipziger Leichtmetall Werk Rackwitz, Bernhard Berghaus u. Co., Kom.-Ges., Rackwitz, near Leipzig, Germany. Method and apparatus for hot shaping magnesium alloy plates. 2,247,979; July 1.
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. The treatment of hydrocarbon oil. 2,247,535; July 1.
Wadden, Walter R. (See Johnson, C. W., and Wadden.)
Wagner, Charles W., Chicago, Ill. Bridge for stringed musical instruments. 2,247,565; July 1.
Wagner, Quillar I., Villa Park, Ill. Heating system. 2,247,896; July 1.
Wahlin, Fred W., assignor to Spraying Systems Co., Chicago, Ill. Spray nozzle. 2,247,897; July 1.
Waldahl, Clarence W., Fort Worth, Tex. Danger signal for bridges. 2,247,980; July 1.
Wall, James R., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum hydrate. 2,247,624; July 1.
Wallace, Nelson E., Norton-on-Tees, and V. Lefebure, London, assignors to Imperial Chemical Industries Limited. Manufacture of cements from calcium sulphate and blast furnace slag. 2,248,033; July 1.
Wallach, Andre, Atlanta, Ga., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Apparatus for treating sheet material. 2,247,794; July 1.
Waller, Lee R. (See Lanham, E. H., and Waller.)

Walton, David H., Hobbs, N. Mex. Fluid trap for storage tanks. 2,247,566; July 1.
Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Valve arrangement. 2,247,825; July 1.
Warren, Calvin C., Rochester, assignor of one-fourth to R. G. Saunders and one-half to J. A. Jennings, Irondequoit, N. Y. Apparatus for forming seamless milk can covers. 2,247,536; July 1.
Warren, Calvin C., Rochester, assignor of one-fourth to R. G. Saunders and one-half to J. A. Jennings, Irondequoit, N. Y. Apparatus for molding seamless hollow objects. 2,247,537; July 1.
Warth, Wilhelm. (See Schellenberg, W., Schmolz, Warth and Wiggenhauser.)
Washer, Chandler C., Merion, assignor to Philadelphia Steel and Wire Corporation, Philadelphia, Pa. Forming lock washers. 2,247,981; July 1.
Weber, Henry, Zurich, Switzerland. Device for exhibiting and shipping prospectuses and like printed matter, samples, and the like. 2,247,593; July 1.
Webster, Carroll J., Jr., Beverly, Mass., assignor to General Electric Company. Elastic fluid turbine diaphragm supporting and centering arrangement. 2,247,423; July 1.
Weeks, Gilbert E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Inspection apparatus. 2,247,737; July 1.
Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Electric sadiron. 2,247,826; July 1.
Wegmann, Adolf E., Woodburn, Ind. Hydraulic braking means. 2,247,827; July 1.
Welling, Charles H. (See Zarotschenzeff, M. T., Stafford and Welling.)
Welty, William R., Freedom, Okla. Adjustable fur stretcher. 2,247,738; July 1.
Wendell, Raymond J., Denver, Colo. Manicuring instrument. 2,247,567; July 1.
Werkspoor, N. V. (See van Unen, Jacob, assignor.)
Werndl, Ernst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Long wire antenna arrangement. 2,247,739; July 1.
Wesche, R. A., Electric Company, The. (See Santen, Louis J., assignor.)
West, Chester, Brooklyn, N. Y. Folding rule construction. 2,247,647; July 1.
Western Battery and Supply Company, The. (See Bible, Walter E., assignor.)
Western Electric Company. (See Brader, Ralph A., assignor.)
Western Electric Company. (See Labin, Emile, assignor.)
Western Electric Company. (See Lanham, E. H., and Waller, assignors.)
Western Electric Company. (See McCoy, C. E., Nielson and Obert, assignors.)
Western Electric Co. (See Weeks, Gilbert E., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ackermann, Otto, assignor.)
Westinghouse Electric & Manufacturing Company. (See Bryant, Ozro N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tull, Robert H.)
Wetzold, Otto. (See Bensinger, W. D., Jansen and Wetzold.)
Wexler, Monroe L., assignor to Sears, Roebuck and Co., Chicago, Ill. Dish rinsing rack. 2,247,932; July 1.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Dead-end filter circuit. 2,247,538; July 1.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Band-pass filter including trap circuit. 2,247,898; July 1.
Whitcomb, Preston, Kenmore, N. Y., and G. A. Mitchell, Muskegon, Mich., assignors to Manning, Maxwell & Moore, Inc., New York, N. Y. Electric hoist. 2,247,795; July 1.
Whiting, George C., Hingham, Mass., assignor to J. D. Rosenberg, New York, N. Y. Firearm. 2,248,015; July 1.
Whitman, Bradley. (See Schwenk, E., and Whitman.)
Widman, Charles H., assignor to The Murray Corporation of America, Detroit, Mich. Roof rail construction. 2,247,457; July 1.
Wiegand, Christian, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Condensation product of phthalonimides and phenols. 2,247,899; July 1.
Wiggenhauser, Reinhard. (See Schellenberg, W., Schmolz, Warth, and Wiggenhauser.)
Wilcox, Crittenden & Co. (See Du Pont, Edmund, assignor.)
Willenborg, Walter J., Weehawken, N. J., assignor to Charles L. Coughlin, Milwaukee, Wis. Production of inert gas. 2,247,625; July 1.
Willer, Nicholas L., assignor to Railway Utility Company, Chicago, Ill. Panel mounting. 2,247,933; July 1.
Williams, Beverly E., assignor to Industrial Patents Corporation, Chicago, Ill. Corned beef. 2,247,425; July 1.
Williams, Josiah H., Baltimore, Md. Glass gathering device. 2,247,424; July 1.
Williams, Leo C. (See Baker, L., and Williams.)
Wilson, Gilpin, Jr., et al. (See Brooke, Frank T., assignor.)
Wilmanns, Gustav. (See Brunken, J., Fricke, and Wilmanns.)
Wilson, Edwin W., Tampa, Fla., assignor to Mueller Co., Decatur, Ill. Tool for inserting or removing corporation stops. 2,247,426; July 1.
Wilson, William K. (See Halford, F. B., and Wilson.)
Winfield, Edwin, Willowdale, Ontario, Canada. Automatic fire alarm. 2,247,539; July 1.
Wingfoot Corporation. (See Holden, J. B., assignor.)
Wingfoot Corporation. (See Lichty, Joy G., assignor.)
Wingfoot Corporation. (See Riehl, Theodore A., assignor.)
Wingfoot Corporation. (See Sebrell, Lorin B., assignor.)
Wingfoot Corporation. (See Smith, Claude H., assignor.)
Wintemberg, Adelbert C., Drexel Hill, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,247,458; July 1.
Winthrop Chemical Company. (See Eisleb, Otto, assignor.)
Winthrop Chemical Company. (See Wiegand, Christian, assignor.)
Wisconsin Alumni Research Foundation. (See Barker, G. J., and Truog, assignors.)
Woessner, Carl. (See Gottlieb, J., Eickemeyer, and Woessner.)
Wolf, Anthony H., and W. A. Thum, assignors to Papendick, Inc., St. Louis, Mo. Sliced bread loaf fractionating mechanism. 2,247,678; July 1.
Wolfhard, Frederick H., St. Jerome, Quebec, and L. C. Woodall, Notre Dame de Grace, Montreal, Quebec, Canada, assignors to United States Rubber Company, New York, N. Y. Shoe. 2,247,459; July 1.
Wonderly, Ray L., Sheridan, Wyo. Chair. 2,247,720; July 1.
Wood Newspaper Machinery Corporation. (See Griner, L. J., and Chagnot, assignors.)
Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
Wood, Samuel, Geneva, N. Y. Cam seaming machine. 2,247,828; July 1.
Woodall, Leighton C. (See Wolfhard, F. H., and Woodall.)
Woodings-Verona Tool Works. (See McComb, Richard J., assignor.)
Woodruff, Alfred H. (See Taylor, W. I., Gibbins, and Woodruff.)
Woolley, Charles H. (See Kerr, H. J., and Woolley.)
Wright, Arthur, Louisville, Ky. Continuous filtration. 2,247,460; July 1.
Wright, Thomas E., Jersey City, N. J. Adjustable center for tailstocks. 2,247,721; July 1.
Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Bedspring. 2,247,900; July 1.
Wyatt, De Witt H. (See Macready, J. A., and Wyatt.)
Wyott Manufacturing Company, The. (See Titus, Thomas L., assignor.)
Yale & Towne Manufacturing Company, The. (See Potter, Robert S., assignor.)
Yanes, Francisco G., New York, N. Y. Transferring liquid or soft ink values. 2,247,540; July 1.
Z Pack Corporation. (See Zarotschenzeff, M. T., Stafford, and Welling, assignors.)
Zarotschenzeff, Mikail T., New York, N. Y., E. Stafford, North Reading, Mass., and C. H. Welling, New Canaan, Conn., assignors to Z Pack Corporation, Jersey City, N. J. Method and apparatus for freezing. 2,247,865; July 1.
Ziegs, Paul, Pforzheim, Germany. Protecting cut surfaces of pieces of wire. 2,247,829; July 1.
Zimmerman, Harry, New York, N. Y. Xylophone. 2,247,461; July 1.
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Folding mechanism. 2,248,016; July 1.
Zuger, Julius, Oberageri, Lichtenberg, and W. Koenig, Luzern, Switzerland, assignors to Landis & Gyr, A.-G. Impulse transmitter. 2,247,866; July 1.
Zuloaga, Saturnino. (See Uzcudun, P., Elustondo, Galarraga, and Zuloaga.)
Zwack, Raymond T., assignor to Eclipse Aviation Corporation, East Orange, N. J. Motion transmitting mechanism. 2,248,030; July 1.
Zwick, Kurt, Munich, assignor to Friedrich Deckel, Munich-Prinz Ludwigshohe, Bavaria, Germany. Milling and copying machine. 2,247,462; July 1.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Airplane structural element. J. B. Thomson. Re. 21,850; July 1.

Car, Refrigerator freight. K. Schwebs. Re. 21,849; July 1.

Circuit breaker, Electric. G. Balachowsky. Re. 21,848; July 1.

Covering for gondola cars, Protective. J. R. Thompson. Re. 21,851; July 1.

Dust deflector. J. Bernfeld. Re. 21,847; July 1.

LIST OF PLANT INVENTIONS

Carnation plant. O. S. Honaker. 478; July 1.

LIST OF DESIGN INVENTIONS

Airplane, Attack bomber. E. H. Heinemann and E. J. Englebert. 128,027; July 1.
Ash tray for cigarettes and the like. E. Aghnides. 128,036; July 1.
Badge. A. C. Gray. 128,044; July 1.
Base for a display stand or the like. M. C. Meyer. 127,967; July 1.
Bed lamp, Fluorescent. B. A. Mitchell. 128,053–54; July 1.
Belt for bait lure. H. L. Haubein. 128,066; July 1.
Belting. L. Kingsburg. 128,069; July 1.
Brush. H. Wechsler. 127,983; July 1.
Building block. E. Steinhard. 128,059; July 1.
Button or similar article, Snap-on. J. Singer. 128,072–4; July 1.
Cabinet, Heater. G. Herbster. 128,028–31; July 1.
Camera. C. H. Harris. 127,996; July 1.
Camera, Photographic. C. H. Harris. 127,995; July 1.
Can or similar article. L. B. Wackman. 128,060; July 1.
Cape. E. Fromm. 128,063; July 1.
Cape. E. Fromm. 128,065; July 1.
Case for mechanized razors. N. Holsclaw. 128,032; July 1.
Casing for a juice extractor or the like. A. D. Grau. 128,043; July 1.
Casing for sound apparatus. D. C. Rockola. 128,005; July 1.
Chair, Posture. N. T. Shepherd. 127,977; July 1.
Chest of drawers or similar articles. D. J. Saltman. 128,006; July 1.
Christmas tree ornament or the like. A. Erdos. 128,039; July 1.
Clock. J. I. Silvers. 128,008; July 1.
Coat. S. H. Dick. 128,061; July 1.
Coat. E. Fromm. 128,064; July 1.
Dart board. J. J. Sargeant. 127,974; July 1.
Dispensing cap for containers. A. G. Mellinger. 128,075; July 1.
Dispensing container, Beverage. J. M. Travis and B. F. McMahon. 127,979; July 1.
Dress. J. Copeland. 128,076; July 1.
Dress. M. Dorian. 128,092; July 1.
Dress. B. Fontana. 128,093; July 1.
Dress. S. Franklin. 128,077–81; July 1.
Dress. S. Franklin. 128,094; July 1.
Dress. B. Greene. 128,082–3; July 1.
Dress. B. Greene. 128,095–6; July 1.
Dress. S. B. Kaufman. 128,097–8; July 1.
Dress. M. E. Tetreault. 128,086; July 1.
Dress ensemble. G. Andrée. 128,090; July 1.
Dress ensemble. S. B. Kaufman. 128,084; July 1.
Dress ensemble. S. B. Kaufman. 128,099; July 1.
Dress ensemble. O. C. Nadel. 128,100–2; July 1.
Dress ensemble. M. Ponzio. 128,103; July 1.
Earring or similar article of manufacture. F. E. Karples. 128,046–7; July 1.
Fabric or similar article, Textile. R. E. Minger. 128,052; July 1.
Fabric, Textile. E. J. Das. 128,038; July 1.
Fabric, Woven textile. P. Nathanson. 127,999; July 1.
Fixture, Fluorescent lamp. J. Kurtz and J. Spina. 128,049; July 1.
Flash light or similar article. L. Brodton. 127,989; July 1.
Flash light, or similar article. L. Brodton. 128,011; July 1.
Fork, Table. J. Klaus. 127,997; July 1.
Game board. E. J. P. Sturm. 127,978; July 1.
Game device. W. B. Markham. 127,966; July 1.
Glider. A. S. Goldberg. 127,963–5; July 1.
Golf club head. H. P. G. Newsome. 128,055; July 1.
Grandstand frame, Portable. J. F. Roney and R. W. Page. 128,057; July 1.
Grip for a lawn mower handle, Hand. T. B. Funk. 128,041; July 1.
Hair wave protector. E. L. Rueger. 128,085; July 1.
Handbag. D. Lewis. 128,087–8–9; July 1.
Hanger, Garment. N. M. Olney. 128,002; July 1.
Head for a shipping container. T. E. Shultz. 128,058; July 1.
Holder, File. E. Olfinger. 128,001; July 1.
Hood or similar article. M. Saltzman. 128,071; July 1.
Juice extractor or the like, Fruit. R. Zurawin. 127,985; July 1.
Lamp head. A. O. Elting. 128,012–24; July 1.
Lamp, Therapeutic. F. Furedy. 128,026; July 1.
Lantern slide holder. D. L. Babcock and T. G. Clement. 127,986; July 1.
Lettering scriber. F. G. Collura. 127,962; July 1.
Lighting fixture. H. J. Graham. 128,041; July 1.
Magneto electric generator. E. A. Vogel. 128,035; July 1.
Measuring device. B. C. Meyers. 127,970; July 1.
Overshoe or similar article, Golf. E. H. Feinberg. 127,991; July 1.
Overshoe or similar waterproof article. J. E. Hard. 127,993–4; July 1.
Paper holder and ash tray, Combined toilet. A. B. Fortener. 128,040; July 1.
Paper, Safety. M. A. Lathey. 128,051; July 1.
Paper, Wrapping. D. Shepard. 127,976; July 1.
Phonograph record holder. L. I. Replogle. 127,972–3; July 1.
Plate, Dinner. J. Le Graffe. 127,998; July 1.
Plate for stoves or the like, Escutcheon. E. D. Pellegrin. 127,971; July 1.
Rack, Curtain display. A. Bersin. 127,988; July 1.
Radio antenna. K. Emde. 128,025; July 1.
Sachet. J. E. Vivaudou and H. G. Lubin. 127,980–2; July 1.
Shade, Lamp. E. D. Pellegrin. 128,034; July 1.
Shoe. G. H. Bingham, Jr. 128,091; July 1.
Sight opening plate for carpet sweepers. C. C. Parrish. 128,003; July 1.
Signal, Reflecting road. H. N. Carver. 128,037; July 1.
Slipper, Beach. S. Babinchak. 127,987; July 1.
Spoon or other article of flatware. E. W. Walker. 128,010; July 1.
Stand and container for perfumery or the like. R. B. Karoff. 128,068; July 1.
Stand, Display. M. C. Meyer. 127,969; July 1.
Stand, Mirror and containers for prefumery or the like, Combined. R. B. Karoff. 128,067; July 1.
Stapling machine. L. Obstfeld. 128,000; July 1.
Sterilizing cabinet and toilet seat, Combined. W. L. Eckhardt. 127,990; July 1.
Stocking, Christmas. M. B. La Roe. 128,050; July 1.
Sunglasses. R. Ehrlich. 128,062; July 1.
Support and containers for perfumery, Combined. A. E. Sierad. 128,007; July 1.
Support for spectacles or the like. F. A. Swartz. 128,009; July 1.
Sweater. L. Meyers. 127,968; July 1.
Sweater. L. Meyers. 128,033; July 1.
Table-Embalmer's. E. H. Kaiser. 128,045; July 1.
Telephone meter. H. F. Obergfell. 128,056; July 1.
Temple member for spectacles or similar article. E. Reynolds. 128,004; July 1.
Thermometer. D. D. Whyte and W. A. Lang. 127,984; July 1.
Toy, Stuffed. H. Klein. 128,048; July 1.
Tray or similar article. L. Guild. 127,992; July 1.
Valve. R. G. Carlson. 127,961; July 1.
Vest or similar article. D. J. Rosenberg. 128,070; July 1.
Wrist-bag. L. M. Schneider. 127,975; July 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. G. B. Linderman, Jr. 2,247,391; July 1.
Abrasive article and manufacturing the same. H. V. Allison. 2,248,031; July 1.
Accelerator. J. G. Lichty. 2,247,917; July 1.
Accounting machine. F. M. Carroll and C. O. Anderson. 2,247,906; July 1.
Acetal, Halogenated. J. B. Dickey and J. B. Normington. 2,247,482; July 1.
Acid, Making phosphoric. C. E. Hartford and M. M. Striplin, Jr. 2,247,373; July 1.
Acids of the cyclopentano phenanthrene series and their derivatives and making same. E. Schwenk and B. Whitman. 2,247,822; July 1.
Aerial system, Radio. O. Böhm. 2,247,744; July 1.
Agricultural implement. W. S. Graham. 2,247,680; July 1.
Air cleaner. Z. Riddle. 2,247,786; July 1.
Air conditioning control, Thermostatic. S. M. Anderson. 2,247,542; July 1.
Alcohols and ketones, Manufacture of. B. W. Howk and W. A. Lazier. 2,247,756; July 1.
Alloys, Hardening cobalt-nickel-chromium-iron. W. Rohn, F. Bollenrath, and H. Cornelius. 2,247,643; July 1.
Aluminum hydrate. J. R. Wall. 2,247,624; July 1.
Aluminum of aluminum alloys, Producing black-colored. O. Jauch. 2,247,580; July 1.
Amplifier power supply. P. C. Gardiner. 2,247,775; July 1.
Amplifier, Radio frequency. J. Evans. 2,247,630; July 1.
Amplifying apparatus. G. Barth. 2,247,983; July 1.
Amusement apparatus. F. C. Twist. 2,247,533; July 1.
Anchoring means for machines embodying walking traction mechanism. O. J. and W. C. Martinson. 2,247,782; July 1.
Animal trap. F. H. Dougherty. 2,247,652; July 1.
Animal trap. H. R. Graybill. 2,247,632; July 1.
Animal trap. J. U. Lehn. 2,247,660; July 1.
Antenna. H. H. Beverage. 2,247,743; July 1.
Antenna arrangement, Long wire. E. Werndl. 2,247,739; July 1.
Antenna for unidirectional radiation of radio waves. W. Jachnow. 2,247,757; July 1.
Antenna system, Directional. R. K. Potter. 2,247,666; July 1.
Anhydride, Phthalic. W. A. Douglass and H. La B. Jones. 2,247,910; July 1.
Annunciator, Telemetric. H. De Koevend. 2,247,942; July 1.
Apparatus and process for generating sinusoidal currents. H. C. Daily. 2,247,544; July 1.
Apparatus for casting. S. M. Rowe. 2,247,561; July 1.
Apparatus for cutting fruit. R. F. Healy. 2,247,810; July 1.
Apparatus for finishing forgings. L. R. Layton. 2,248,002; July 1.
Apparatus for forming seamless milk can covers. C. C. Warren. 2,247,536; July 1.
Apparatus for heating and ventilating. C. C. Carson. 2,247,987; July 1.
Apparatus for making patterned goods on knitting, hosiery, and similar machines. W. Schellenberg, W. Schmolz, W. Warth, and R. Wiggenhauser. 2,247,716; July 1.
Apparatus for molding seamless hollow objects. C. C. Warren. 2,247,537; July 1.
Apparatus for preparing continuous filaments. R. Kern. 2,247,504; July 1.
Apparatus for preparing statistical records. J. W. Bryce. 2,247,905; July 1.
Apparatus for pressing garments. S. J. Bedell and E. Glasser. 2,247,935; July 1.
Apparatus for recording statistical data. A. H. Dickinson. 2,247,908; July 1.
Apparatus for spray coating articles. H. P. Ransburg and H. J. Green. 2,247,963; July 1.
Apparatus for the electrical separation of comminuted materials. A. Boer. 2,247,596; July 1.
Apparatus for treating sheet material. A. Wallach. 2,247,794; July 1.
Apparel, Athletic. J. A. Mulvey. 2,247,961; July 1.
Arc furnace and, more specifically, to means for automatically controlling. K. Freudenhammer. 2,248,020; July 1.
Archery bow. F. T. Brooke. 2,247,649; July 1.
Arm, Padded. E. D. Jones. 2,247,503; July 1.
Arrangement for amplifiers, Neutralizing. E. Labin. 2,247,442; July 1.
Article handling machinery. W. A. Thum. 2,247,672; July 1.
Asbestos and cement composition and making. T. I. Taylor. 2,247,453; July 1.
Asphalt, Production of. D. B. Harrison. 2,247,371; July 1.
Attachment for dairy cows, Sanitary. A. G. Behrens. 2,247,431; July 1.
Automatic attenuation circuit. F. L. Barr and C. W. Ulrich. 2,247,468; July 1.
Awning. M. D. McNelly. 2,247,616; July 1.
Bag display holder. B. C. Howell and F. F. Melvin. 2,247,497; July 1.
Balking ring clutch. C. D. Peterson and A. H. Deimel. 2,247,715; July 1.
Band for corsets or the like, Anchor. J. T. Buhrle. 2,247,601; July 1.
Banding machine. W. L. Owens. 2,247,398; July 1.
Batteries, Electrode secondary. H. De Martis and S. J. Clark. 2,247,992; July 1.
Battery terminal clamp, Self-releasing. H. E. Seils. 2,247,452; July 1.
Bearing: *See*—
Journal bearing. Side bearing.
Bed. O. L. Bohlen. 2,247,598; July 1.
Bedchair, Convertible. G. W. Donoho. 2,247,546; July 1.
Bedspring. E. S. Goldberg. 2,248,023; July 1.
Bedspring. W. E. Wunderlich. 2,247,900; July 1.
Beef, Corned. B. E. Williams. 2,247,425; July 1.
Belt. I. F. Gassert and J. C. Hoffman. 2,247,835; July 1.
Binder for patching veneers. J. V. Nevin. 2,247,764; July 1.
Binder, Load. J. F. Neville. 2,247,642; July 1.
Binder, Loose-leaf. G. H. Oman. 2,247,397; July 1.
Bituminous materials, Treatment of. A. B. Hersberger. 2,247,375; July 1.
Block: *See*—
Building block. Terminal block.
Boat and propelling mechanism therefor. E. F. Heise. 2,247,683; July 1.
Boiler: *See*—
Heating boiler. Steam boiler.
Bolt, Door. P. Lazarides. 2,247,556; July 1.
Borons, Manufacture of trialkyl. R. F. Ruthruff. 2,247,821; July 1.
Bowling alley. A. D. Constant. 2,247,769; July 1.
Bowling alley. A. H. Lewis. 2,247,636; July 1.
Box: *See*—
Messenger call box.
Box made of cardboard or similar material. J. W. Chalmers. 2,247,870; July 1.
Brake. J. G. Hawley. 2,247,374; July 1.
Brake control for automotive vehicles. W. A. Gindele. 2,247,368–9; July 1.
Brake mechanism. C. E. Frederickson. 2,247,610; July 1.
Braking means, Hydraulic. A. E. Wegmann. 2,247,827; July 1.
Bread-loaf fractionating machine, Sliced. G. C. Papendick. 2,247,694; July 1.
Bread loaf fractionating mechanism. W. A. Thum. 2,247,673; July 1.
Bread loaf fractionating mechanism, Sliced. A. H. Wolf and W. A. Thum. 2,247,678; July 1.
Bread loaf handling equipment, Baked. W. A. Thum. 2,247,675; July 1.
Bread loaf handling mechanism, Sliced baked. W. A. Thum. 2,247,676; July 1.
Bread loaves, Fractionating sliced. G. C. Papendick. 2,247,692; July 1.
Bread loaves, Fractionating sliced baked. G. C. Papendick. 2,247,696; July 1.
Bread loaves, Fractionating sliced baked. G. C. Papendick. 2,247,698; July 1.
Bread loaves, Packaging of baked. G. C. Papendick. 2,247,695; July 1.
Brick process, Refractory. R. P. Heuer. 2,247,376; July 1.
Bridge for stringed musical instruments. C. W. Wagner. 2,247,565; July 1.
Building block. J. D. Lingenfelter. 2,247,614; July 1.
Building blocks, Manufacture of. V. Lefebure. 2,247,510; July 1.
Building structure. R. W. McLaughlin, Jr. 2,247,886; July 1.
Bumper. R. O. Hein and N. Shaeffer. 2,247,946; July 1.
Burial vault. H. E. Metz. 2,247,617; July 1.
Burner: *See*—
Fuel burner. Oil burner.
Burner. F. M. Poor. 2,247,848; July 1.
Burner for finely distributed fuel. T. V. Dalgren and S. J. Carlstedt. 2,247,990; July 1.
Button, Tack. F. G. Purinton. 2,247,522; July 1.

Cabinet and portable sewing machine, Convertible. R. K. Hohmann. 2,247,380; July 1.
Cabinet for housing sound-reproducing apparatus. H. F. Olson. 2,247,731; July 1.
Cabinet for phonographs. A. D. Burt. 2,247,746; July 1.
Cable connector. A. R. John. 2,247,386; July 1.
Cable tool and wire line rotary core barrel, Combination. R. A. Mitchell. 2,247,729; July 1.
Calculating machine. R. G. Bower. 2,247,938; July 1.
Calculator. A. L. Thurston and B. Sweeney. 2,247,531; July 1.
Can blanks, Conditioning. E. Laxo. 2,247,952; July 1.
Can seaming machine. S. Wood. 2,247,828; July 1.
Cap: *See*—
Container cap.
Capillary active compounds and preparing them. L. Orthner, C. Platz, H. Keller, and H. Sonke. 2,247,921; July 1.
Carriage used in rectangular sprinkler installations for treating sewage, Traversible. J. F. Bolton. 2,247,433; July 1.
Case: *See*—
Traveling case.
Casing, Apparatus. W. M. Bishop. 2,247,936; July 1.
Casting machine, Slug. C. H. Griffith. 2,247,996; July 1.
Castings, Forming. H. F. Hagemeyer. 2,247,777; July 1.
Catalysts, Manufacture of gel-type metallic oxide. R. F. Ruthruff. 2,247,820; July 1.
Cathode ray apparatus. R. Colberg. 2,247,350; July 1.
Cements from calcium sulphate and blast furnace slag, Manufacture of. J. S. Dunn and V. Lefebure. 2,248,032; July 1.
Cements from calcium sulphate and blast furnace slag, Manufacture of. N. E. Wallace and V. Lefebure. 2,248,033; July 1.
Center for tailstocks, Adjustable. T. E. Wright. 2,247,721; July 1.
Centrifugal pump. K. D. McMahan. 2,247,817; July 1.
Centrifugal pump, Plural stage self-priming. H. E. La Bour. 2,247,709; July 1.
Ceramic coloring agent. C. G. Geary. 2,248,021; July 1.
Chair: *See*—
Folding chair.
Chair. R. L. Wonderly. 2,247,720; July 1.
Check valve. D. M. Paxton. 2,247,720; July 1.
Chemical from waste pulping liquor, Recovering. H. R. Murdock. 2,247,584; July 1.
Chime, Electric. M. L. Pearl. 2,247,641; July 1.
Chipper. P. N. Ottersland. 2,247,663; July 1.
Chloride and chlorine, Separation of nitrosyl. H. A. Beekhuis, Jr. 2,247,470; July 1.
Chuck, Crankshaft. W. F. Groene. 2,247,550; July 1.
Cigarette machine. R. E. Rundell. 2,247,413; July 1.
Cigarettes or other articles, Packing of. J. W. Chalmers. 2,247,871; July 1.
Circuit: *See*—
Automatic attenuation circuit. Filter circuit.
Circuit controller, Automatic. R. E. Nelles. 2,248,010; July 1.
Circuit interrupter, Plural break. K. A. Lohausen. 2,247,815; July 1.
Clamp: *See*—
Battery terminal clamp.
Clamping arrangement for pipe joints. P. G. Johnson. 2,248,000; July 1.
Clays, Treating. G. J. Barker and E. Truog. 2,247,467; July 1.
Cleaner: *See*—
Air cleaner. Vacuum cleaner.
Grain cleaner.
Clip: *See*—
Fence post clip. Spring clip.
Clutch: *See*—
Balking ring clutch.
Clutch plate, Friction. H. Nutt. 2,247,690; July 1.
Clutch shaft coupling. W. D. Allison. 2,247,463; July 1.
Clutch with floating raceway, Overrunning. C. D. Peterson and A. H. Deimel. 2,247,713; July 1.
Coin selector. J. Gottfried and B. W. Fry. 2,247,488; July 1.
Communication system. C. R. Doty. 2,247,909; July 1.
Composition, Investment. R. Neiman. 2,247,585–6–7–8; July 1.
Compressed and densified product, Making a. G. B. Brown. 2,247,355; July 1.
Compressor control. C. R. Neeson. 2,247,449; July 1.
Condensation products. G. Spielberger, O. Bayer, and W. Bunge. 2,247,735; July 1.
Conduit coupling. L. Kamenarović. 2,247,843; July 1.
Connection for planters to tractors. C. C. Haas. 2,247,681; July 1.
Connector: *See*—
Cable connector. Electric connector.
Connector for vehicles, Push. R. T. Osman. 2,247,664; July 1.
Container: *See*—
Paste container. Rain water container.
Container cap. E. P. Brus. 2,247,357; July 1.
Container cover. F. Neuschaefer. 2,248,011; July 1.
Control apparatus. E. D. Raney. 2,247,405; July 1.
Control device for electrical precipitators, Automatic voltage. H. E. Corbitt. 2,247,361; July 1.
Control gear for motor vehicles with four wheel steering arrangement. C. Borgward. 2,247,985; July 1.
Control system and apparatus, Inventory. R. H. Damon, C. F. Rogier, J. W. Baur, and T. E. Kulo. 2,247,480; July 1.
Control system, Elevator. J. D. Lewis and W. H. Bruns. 2,247,955; July 1.
Control system for electric translating devices. W. J. Kutcher and J. D. Leitch. 2,247,506; July 1.
Conveying apparatus. J. H. Morrow. 2,247,448; July 1.
Cooking apparatus. B. Ames. 2,247,626; July 1.
Cooking apparatus. F. Olsen. 2,248,037; July 1.
Cooling device, Fluid. H. K. Johnson and C. V. La Rue. 2,247,388; July 1.
Cord extension device, Electrical. O. B. Beasley. 2,247,868; July 1.
Cord, Saxaphone. C. A. Baumann. 2,247,867; July 1.
Core for electrical apparatus. R. T. Reardon. 2,247,890; July 1.
Costumer. E. J. Forsyth. 2,247,774; July 1.
Coupler, Tight-lock car, air, and electric. H. E. Van Dorn. 2,247,677; July 1.
Coupling: *See*—
Clutch shaft coupling. Conduit coupling.
Coupling. R. Temple, Jr. 2,247,928; July 1.
Coupling device, Automatic. T. R. Lyman. 2,248,005; July 1.
Coupling device, Hydraulic. D. E. Ross. 2,247,410; July 1.
Coupling protector. P. R. Turner. 2,247,564; July 1.
Cover: *See*—
Container cover.
Covering machine, Core. H. E. Cooper. 2,247,481; July 1.
Cracker dispenser. C. A. Davis, Jr., and P. A. Jones. 2,247,834; July 1.
Crate, Bottle. W. W. Robinson. 2,247,620; July 1.
Cresol-hydrocarbon-formaldehyde, Condensation product. F. Rostler, V. Mehner, and L. Bornstein. 2,247,411; July 1.
Cross rolling mill. S. E. Diescher. 2,247,943; July 1.
Cushion, Medical and mechanical foot. L. J. Cotton. 2,247,748; July 1.
Cutoff machine. M. G. Boerger. 2,247,766; July 1.
Cutout, Repeating or reclosing. A. Ramsey. 2,247,700; July 1.
Cylinder head for internal combustion engines. S. F. Lemanski. 2,247,759; July 1.
Dam forming device. W. H. Silver. 2,247,788; July 1.
Decoy, Hunter's. J. H. Olsen. 2,247,450; July 1.
Delivery mechanism for delivering liquid such as fuel to tanks. E. J. Tripp. 2,247,532; July 1.
Dental investment composition. P. F. Collins. 2,247,571–2–3; July 1.
Device for electric control of movable stands. L. Kamenarović. 2,247,842; July 1.
Device for exhibiting and shipping prospectuses and like printed matter, samples, and the like. H. Weber. 2,247,593; July 1.
Diagnostic method. F. C. Ellis. 2,247,875; July 1.
Dial illuminator for telephones. J. R. Sundee. 2,247,591; July 1.
Diaphragm supporting and centering arrangement, Elastic fluid, turbine. C. J. Webster, Jr. 2,247,423; July 1.
Die. C. F. Lindholm. 2,247,444; July 1.
Diner, Portable. A. E. Sieber. 2,247,893; July 1.
Directional signal. F. Bunny. 2,247,939; July 1.
Discharge device, Making electric. B. W. Kinyon. 2,247,688; July 1.
Dish rinsing rack. M. L. Wexler. 2,247,932; July 1.
Dispenser: *See*—
Cracker dispenser.
Dispenser for stacks of sheets. F. L. Broeren and A. S. Krueger. 2,247,800; July 1.
Dispensing apparatus. T. De Stefani. 2,247,575–6; July 1.
Display apparatus. J. Deck. 2,247,545; July 1.
Display rack. F. W. Bofenkamp and J. W. Sabino. 2,247,597; July 1.
Display stand. E. R. Erickson. 2,247,436; July 1.
Dithiocarbamates. J. G. Lichty. 2,247,919; July 1.
Door. J. H. Lomax. 2,247,885; July 1.
Doughnut machine. A. S. T. Lagaard. 2,247,951; July 1.
Drafting device. H. A. Dibble, Jr. 2,247,362; July 1.
Draw works. H. W. Cardwell. 2,247,606; July 1.
Drier for textile fabrics, Centrifugal. A. Casagrande. 2,247,605; July 1.
Driving mechanism, Swash-ring. H. H. Stinnes. 2,247,527; July 1.
Dust separator, Rotary. S. G. Son Sylvan. 2,247,528; July 1.
Dyeing apparatus. S. Blair. 2,247,346; July 1.
Electric connector. H. H. Boyer. 2,247,767; July 1.
Electric contact. F. R. Hensel and K. L. Emmert. 2,247,754–5; July 1.
Electric motor. R. H. Jordan. 2,247,708; July 1.
Electric starting motor. J. W. Suydam. 2,247,645; July 1.
Electrical system, Automotive. C. W. Hansell. 2,247,753; July 1.
Electroacoustical apparatus. H. F. Olson. 2,247,663; July 1.
Emulsifying apparatus. D. M. A. G. Hawes. 2,247,439; July 1.

Engine: *See*—
Internal combustion engine. Rotary engine.
Engraving machine. C. E. McCoy, O. M. Nielsen, and E. Obert. 2,247,761; July 1.
Equalizing system for recording on disk records, Automatic. G. J. Saliba. 2,247,924; July 1.
Esters of duro-hydroquinone and producing the same, Alkyl. E. Fernholz. 2,247,364; July 1.
Exhaust collector. R. I. Markey. 2,247,393; July 1.
Exhausting machine. A. J. Marshaus. 2,247,513; July 1.
Exposure meter. R. Meyers. 2,247,763; July 1.
Eyeshade. J. W. Snell. 2,247,971; July 1.
Fabric: *See*—
Woven fabric.
Fabric, Woven. E. P. Lord. 2,247,615; July 1.
Fastening installation and fastener therefor. G. A. Tinnerman. 2,247,975; July 1.
Feeding mechanism for swaging machines, Stock. J. B. Tiedemann. 2,247,864; July 1.
Fence post clip. D. C. Gardner. 2,247,631; July 1.
Filer: *See*—
X-ray filter.
Filing device. L. Lombardini. 2,247,637; July 1.
Filler attachment for gasoline tanks. W. A. Lebus. 2,247,509; July 1.
Filter. A. S. Long. 2,247,445; July 1.
Filter circuit, Dead-end. H. A. Wheeler. 2,247,538; July 1.
Filter including trap circuit, Band-pass. H. A. Wheeler. 2,247,898; July 1.
Filtering press, Automatic. F. S. Carver. 2,247,988; July 1.
Filtration, Continuous. A. Wright. 2,247,460; July 1.
Finishing and burnishing tool. A. Nascimbeni. 2,247,887; July 1.
Finning machine, Condenser. W. L. O'Brien. 2,247,730; July 1.
Fire alarm, Automatic. E. Winfield. 2,247,539; July 1.
Firearm. G. C. Whiting. 2,248,015; July 1.
Firing equipment for the combustion of liquid fuels. E. Huwyler. 2,247,768; July 1.
Fishhook. W. H. Foley. 2,247,806; July 1.
Flame hardening apparatus. A. L. Hartley. 2,247,494; July 1.
Flashlight, Batteryless. G. W. Alexander. 2,247,901; July 1.
Floor laying apparatus. A. Klammt. 2,247,780; July 1.
Floor polishing device. M. J. Mandel. 2,247,956; July 1.
Fluid heater. J. C. Sharp. 2,247,824; July 1.
Folding chair. W. Boardman. 2,247,799; July 1.
Folding mechanism. A. M. Zuckerman. 2,248,016; July 1.
Food from oleaginous protein-base, organic material, Preparing. H. Rosenthal. 2,247,851; July 1.
Former for cigar machines, Filler. H. E. Carlson. 2,247,358; July 1.
4-aryl-piperidine-ketones and a process of preparing them. O. Eisleb. 2,248,018; July 1.
4-(4′ amino benzene sulphonamido)-benzene sulphonamide with an aldose, Condensation product of. J. Klarer. 2,247,913; July 1.
Frame and handle assemblage for mirrors, brushes, and other devices forming part of toilet and dresser sets. W. Steinen. 2,247,526; July 1.
Front wheel mounting, Dual. E. V. and V. G. Garnett. 2,247,487; July 1.
Fruit, Orientating seamed. E. W. Carroll. 2,247,602; July 1.
Fuel burner, Liquid. C. Paolillo. 2,247,889; July 1.
Fuel burning apparatus, Liquid. T. B. Focke. 2,247,679; July 1.
Fuel burning apparatus, Liquid. J. R. Kirkpatrick. 2,247,689; July 1.
Fuel discharge, Aircraft. J. E. Raymond. 2,247,406; July 1.
Fuel, Motor. U. B. Bray. 2,247,476; July 1.
Fuels and fuel products used therein, Combustion of carbonaceous. A. L. Stillman. 2,247,415; July 1.
Fur stretcher, Adjustable. W. R. Welty. 2,247,738; July 1.
Fuse construction. A. Ramsey. 2,247,701–2; July 1.
Fuse construction. H. A. Triplett. 2,247,704; July 1.
Game. F. L. Saunders. 2,247,852; July 1.
Game apparatus. B. B. Girden. 2,247,657; July 1.
Game, Baseball. E. L. Slater. 2,247,853; July 1.
Game, Dart. C. C. Illers. 2,247,635; July 1.
Game, Gun. J. F. Eakins. 2,247,751; July 1.
Garment. H. Presser. 2,247,784; July 1.
Garment hanger. C. W. J. Johnson and C. L. Bottino. 2,247,613; July 1.
Gas mask and other clothing. L. B. Sebrell. 2,247,925; July 1.
Gas, Production of inert. W. J. Willenborg. 2,247,625; July 1.
Gauge: *See*—
Micrometric gauge.
Generating system, Signal. H. M. Lewis. 2,247,511; July 1.
Generator for electrical musical instruments, Oscillation. N. Langer. 2,247,728; July 1.
Glass gathering device. J. H. Williams. 2,247,424; July 1.
Globe, Terrestrial. G. E. Mills. 2,247,394; July 1.
Golf practice scoring device. R. J. Jenks and W. F. Gilbert. 2,247,501; July 1.
Governor apparatus. O. N. Bryant. 2,247,434; July 1.
Governor, Motor speed. A. Cita. 2,247,989; July 1.
Grader, Road. F. E. Arndt. 2,247,345; July 1.
Grain cleaner. T. E. Mahoney. 2,247,446; July 1.
Grate, Peanut shelling. C. R. Medley. 2,247,557; July 1.
Grease and lubricant, Liquid. M. T. Flaxman. 2,247,577; July 1.
Gripping device, Surface. H. G. Henry. 2,247,727; July 1.
Guard for fowls, Bill. L. M. Butterfield. 2,247,833; July 1.
Hammer, Jacketed steam. M. H. Damerell. 2,247,802; July 1.
Hanger: *See*—
Garment hanger.
Hanger for duplicator stencils and the like. E. C. Maass. 2,248,027; July 1.
Hanging means for awnings and the like. B. Perlman. 2,247,846; July 1.
Harvester, Tractor mounted. E. A. Johnston. 2,247,687; July 1.
Heat treating apparatus. R. E. Cox. 2,247,770; July 1.
Heater: *See*—
Fluid heater. Solar heater.
Heater. E. W. Ritter. 2,247,849; July 1.
Heater element for cathodes used in radio tubes, and making same. J. R. Beers. 2,247,869; July 1.
Heating boiler. H. S. Ackerman. 2,247,796; July 1.
Heating device for washing machines. D. J. Michaels. 2,248,007; July 1.
Heating system. Q. I. Wagner. 2,247,896; July 1.
Heating unit. R. E. McIlrath. 2,247,816; July 1.
Hectograph blanket, Bright copying. R. C. Bour. 2,247,347; July 1.
Hectograph duplication, Bright copy. W. J. Champion. 2,247,349; July 1.
High frequency apparatus. J. E. Keister. 2,247,779; July 1.
Hoist, Electric. P. Whitcomb and G. A. Mitchell. 2,247,795; July 1.
Holder: *See*—
Bag display holder. Sash holder.
Napkin holder. Towel holder.
Piezo-electric crystal holder.
Honing machine. H. J. Caldwell. 2,247,479; July 1.
Honing machine. A. M. Johnson. 2,247,502; July 1.
Hose, Reinforced. D. P. Sands, H. B. Hendershot, and F. J. Hinderliter. 2,247,416; July 1.
Hydrocarbons, Dehydrogenation. H. Baehr. 2,247,465; July 1.
Hydrocarbons, Recovery of. V. Bayerl. 2,247,594; July 1.
Hydrocarbons, Treatment of. W. A. Smith. 2,247,926–7; July 1.
Impeller, Centrifugal. R. R. Huitson. 2,247,813; July 1.
Impulse motor, Electric. J. J. Root. 2,247,966; July 1.
Indicator: *See*—
Surge indicator.
Indicator for liquids, Quantity. J. Maccallum, Jr. 2,248,006; July 1.
Inlaying. E. B. Nichols. 2,247,558; July 1.
Insect and fly catcher. E. Sundquist. 2,247,791; July 1.
Inspection apparatus. G. E. Weeks. 2,247,737; July 1.
Instrument lamp, Ultraviolet. J. M. Roper. 2,247,409; July 1.
Internal combustion engine. P. Uzcudun, J. M. Elustondo, P. Galarraga, and S. Zuloaga. 2,248,029; July 1.
Investment. R. Neiman. 2,247,395; July 1.
Ironer. G. W. Dunham. 2,247,803; July 1.
Jar. J. T. Phipps. 2,247,560; July 1.
Joining pipe, Means for. E. W. Sylvester. 2,247,420; July 1.
Joint: *See*—
Pipe joint.
Journal bearing, Antifriction. E. Gilbert. 2,247,995; July 1.
Juice extracting device. H. C. Johnson. 2,247,948; July 1.
Knitting machine sinker. H. M. Frischman. 2,247,611; July 1.
Label applying machine. G. W. von Hofe. 2,247,623; July 1.
Lamp: *See*—
Instrument lamp.
Lamp and diffusing bowl therefor, Bridge. J. R. Crellin, Jr. 2,247,771; July 1.
Lamp assembly, Safety. S. R. Browne, Jr. 2,247,356; July 1.
Lamps, Manufacture of reflecting. C. Birdseye and P. Deren. 2,247,432; July 1.
Lapping machine. M. G. Fiedler. 2,247,994; July 1.
Last, Shoe. L. Nast. 2,247,818; July 1.
Latch structure. L. A. Bittorff and F. Decker, Jr. 2,247,937; July 1.
Leaf lifter. W. S. Cottle. 2,247,607; July 1.
Lens abrading machine. L. W. Goddu. 2,247,706; July 1.
Lens, Ophthalmic. R. J. Beitel, Jr. 2,247,628; July 1.
Level and gauge, Constructor's. H. A. Adams. 2,247,541; July 1.

Lifter: *See*—
Leaf lifter. Suction lifter.
Light or exposure meter. H. T. Faus. 2,247,805; July 1.
Lighter, Cigar. J. H. Cohen. 2,248,017; July 1.
Lighter, Cigar. H. G. Lehmann. 2,248,026; July 1.
Lighting system, Edgeglow. L. L. Stewart. 2,247,969; July 1.
Lines, Reeving. G. R. Hunt. 2,247,498; July 1.
Liquid dispensing valve. T. L. Titus. 2,247,976; July 1.
Liquid or soft ink values, Transferring. F. G. Yanes. 2,247,540; July 1.
Liquids, Sterilization of. A. W. Ralston and E. W. Hopkins. 2,247,711; July 1.
Loaf fractionating equipment, Sliced. G. C. Papendick and W. A. Thum. 2,247,699; July 1.
Loaves, Method and means of packaging sliced. G. C. Papendick. 2,247,401; July 1.
Lock for vehicles, Rear door. J. A. Lamb. 2,247,844; July 1.
Lock mechanism. R. A. Speer. 2,247,621; July 1.
Locomotive booster. B. S. Aikman. 2,247,429; July 1.
Logging, Electrical. D. Silverman and R. W. Stuart. 2,247,417; July 1.
Loom and method of weaving. F. J. MacDonald. 2,247,760; July 1.
Looper mechanism for sewing machines. A. B. Clayton. 2,247,570; July 1.
Lug connection for looms. B. F. Early. 2,247,484; July 1.
Machine and method for forming heistles. R. Marogg. 2,247,957; July 1.
Machine for finishing forms. C. J. Rybicky. 2,247,412; July 1.
Machine for fractionating and slicing bread loaves. G. C. Papendick. 2,247,693; July 1.
Machine for interpreting and printing perforated records. C. D. Lake. 2,247,914; July 1.
Machine for interpreting and printing perforated records. C. D. Lake and F. E. Hamilton. 2,247,916; July 1.
Machine for operating on shoes. E. Quinn. 2,247,691; July 1.
Machine for the production of alternating energy from direct current sources. J. Massolle. 2,247,783; July 1.
Machine for use in the manufacture of shoes. R. H. Lawson. 2,247,443; July 1.
Magnet, Permanent. H. T. Faus. 2,247,804; July 1.
Magnetizer. R. A. Brader. 2,247,745; July 1.
Manicuring instrument. R. J. Wendell. 2,247,567; July 1.
Manifolding. L. C. Antrim. 2,247,765; July 1.
Manifolding device. A. A. Johnson. 2,247,912; July 1.
Massaging device, Scalp. M. E. Hempel. 2,247,440; July 1.
Mat structure and parts thereof, Link. A. C. Thomas and A. V. McFerron. 2,247,530; July 1.
Mattress. J. D. Dry. 2,247,705; July 1.
Mattress. M. Rosberger. 2,247,667; July 1.
Mattress, Sectional. J. L. W. Murray. 2,247,516; July 1.
Measuring system, Radiant energy distance. R. C. Newhouse. 2,247,662; July 1.
Mechanism for fractionating sliced baked bread loaves. G. C. Papendick. 2,247,697; July 1.
Mechanism for pianos. A. H. Morse and C. Pieper. 2,247,710; July 1.
Mechanism for subdividing sliced backed bread loaves. W. A. Thum. 2,247,674; July 1.
Memorandum device or the like. G. C. Brant, Jr. 2,247,599; July 1.
Mercaptothiazoles, Manufacture of. C. H. Smith. 2,247,894; July 1.
Mercury switch. A. C. Lindström. 2,248,003; July 1.
Messenger call box. W. Kimmich and H. Schnoor. 2,247,758; July 1.
Metal for castings, Making. H. E. Somes. 2,247,823; July 1.
Metallurgy, Powder. C. G. Goetzel. 2,247,370; July 1.
Meter: *See*—
Exposure meter. Light or exposure meter.
Method and apparatus for doing hectograph and other printing. F. R. Bartholomew. 2,247,934; July 1.
Method and apparatus for freezing. M. T. Zarotschenzeff, E. Stafford, and C. H. Welling. 2,247,865; July 1.
Method of and apparatus for trapping animals. W. J. Vincent and C. M. Stanton. 2,247,931; July 1.
Method of and machine for milling. C. E. Kraus. 2,247,582; July 1.
Method of and rack for storing lumber. L. A. Pace. 2,247,519; July 1.
Micrometric gauge. H. Anderson. 2,247,797; July 1.
Microscope, Electronic. H. Schuchmann and U. Neubert. 2,247,524; July 1.
Mill: *See*—
Cross rolling mill.
Milling and copying machine. K. Zwick. 2,247,462; July 1.
Mineral oil composition. E. W. Fuller. 2,247,807; July 1.
Mold core. I. E. Odendahl. 2,247,517; July 1.
Monoethers of dimethylol urea and making same. B. E. Sorenson. 2,247,419; July 1.
Mop. J. H. Johnson. 2,247,883; July 1.
Motion transmitting mechanism. R. T. Zwack. 2,248,030; July 1.
Motor: *See*—
Electric motor. Synchronous motor.
Electric starting motor. Vibratory motor.
Impulse motor.
Motor. G. W. Blessing. 2,247,648; July 1.
Motor vehicle. F. C. Best. 2,247,742; July 1.
Motor vehicle. C. R. Paton. 2,247,732; July 1.
Mounting: *See*—
Front wheel mounting. Panel mounting.
Ophthalmic mounting.
Mouthpiece, Wind instrument. A. S. Hulsaver. 2,247,441; July 1.
Mower. G. Geraldson. 2,248,022; July 1.
Multiclutch mechanism. E. R. Burtnett. 2,247,478; July 1.
Napkin holder. J. B. Hart. 2,247,372; July 1.
Nitrosating aromatic alkyl ketones. W. H. Hartung and F. S. Crossley. 2,248,035; July 1.
Nozzle, Atomizing. G. W. Leiman. 2,247,781; July 1.
Nozzle, Injection. H. N. Armbrust. 2,247,568; July 1.
Nozzle, Spray. F. W. Wahlin. 2,247,897; July 1.
Odor blocks, Housing and controlling the evaporation of. F. C. and J. S. Brennan, and L. J. Reysa. 2,247,600; July 1.
Organic compounds for use as X-ray contrast compositions, Iodine. A. G. J. Guerbet. 2,247,880; July 1.
Oil burner. L. O. Selby. 2,247,855–8; July 1.
Oil burner. L. O. Selby. 2,247,860; July 1.
Oil burner adapter. P. M. Forster. 2,247,548; July 1.
Oil burner installation. W. A. Purtell. 2,247,859; July 1.
Oil burning apparatus. C. W. Uschold and R. E. Duffy. 2,247,977; July 1.
Oil filter block composition. R. D. Hill. 2,247,377; July 1.
Oil, Modified lubricating. U. B. Bray and D. E. Carr. 2,247,475; July 1.
Oil, Refining. B. Clayton, W. B. Kerrick, and H. M. Stadt. 2,247,359; July 1.
Oil, Treatment of hydrocarbon. V. Voorhees. 2,247,535; July 1.
Oils, Conversion of hydrocarbon. C. H. Angell. 2,247,740; July 1.
Oils, Refining of fatty. A. U. Ayres. 2,247,430; July 1.
Oil, Refining and fractionation of tall. A. W. Hixson and R. Miller. 2,247,496; July 1.
Opener, Envelope. R. W. Harrison. 2,247,840; July 1.
Operating mechanism. A. G. Stimson. 2,247,792; July 1.
Operating mechanism. C. Thumin. 2,247,862; July 1.
Operating mechanism. C. Thumin and R. J. Baskerville. 2,247,861; July 1.
Ophthalmic mounting. G. E. Nerney. 2,247,639; July 1.
Ornament. T. A. Galligan. 2,247,944; July 1.
Ornamenting machine. C. E. Newton. 2,247,396; July 1.
Outlet box for electrical installation. W. W. Reese. 2,247,712; July 1.
Packing for rotary valves in internal combustion engines. W. D. Bensinger, R. Jansen, and O. Wetzold. 2,247,984; July 1.
Paint, Fireproofing. W. K. Hearn. 2,247,633; July 1.
Painting apparatus. R. S. Thompson. 2,247,622; July 1.
Panel for gliders, Apron. I. P. Smith. 2,247,703; July 1.
Panel mounting. N. L. Willer. 2,247,933; July 1.
Partition, Hatbox. E. B. Morgan. 2,248,009; July 1.
Paste container, Nonrefillable. C. R. Kiok. 2,248,001; July 1.
Patient handling device. W. G. Clayton. 2,247,360; July 1.
Perforating machine. T. E. Torkelson. 2,247,895; July 1.
Phenol and making it, Aralkyl. R. P. Perkins and F. Bryner. 2,247,402; July 1.
Phenol, Aralkyl polynuclear. R. P. Perkins and F. Bryner. 2,247,403–4; July 1.
Phenols, Refining. F. Schick and H. Schramm. 2,247,523; July 1.
Phonograph. B. R. Carson. 2,247,651; July 1.
Phonograph. E. C. Guedon. 2,247,658; July 1.
Phonographic apparatus. J. J. Hoehn. 2,247,659; July 1.
Phthalocyanines, Halogenation of. A. L. Fox. 2,247,752; July 1.
Pythalonimides and phenols, Condensation product of. C. Wiegand. 2,247,899; July 1.
Piano action. A. E. Healey. 2,247,998; July 1.
Picker, Cotton. C. R. Hagen. 2,247,682; July 1.
Picker, Cotton E. A. Johnston. 2,247,686; July 1.
Piezoelectric crystal holder. J. B. Atwood and D. W. R. Goddard. 2,247,627; July 1.
Pipe fitting. T. J. Sullivan. 2,247,972; July 1.
Pipe joint, Sanitary. H. R. Devilbiss. 2,247,609; July 1.
Pipe swaging machine. J. B. Tiedemann. 2,247,863; July 1.
Plate stop, Finishing machine. L. J. Griner and A. C. Chagnot. 2,247,997; July 1.
Plates, Method and apparatus for hot shaping magnesium alloy. W. M. von Tannenberg. 2,247,979; July 1.
Polishing machine. L. C. Smith. 2,247,970; July 1.
Polymers, Forming chloroacrylate. F. Strain and M. A. Pollack. 2,247,790; July 1.
Power crank. F. C. Chiappetti. 2,247,629; July 1.
Power system. R. Lamborn. 2,247,814; July 1.
Power transmitting means. J. H. Sharp. 2,247,670; July 1.
Printing mechanism, Record-card controlled. A. A. Dark. 2,247,907; July 1.

Printing press and sheet controlled mechanism therefor. M. Lipton. 2,248,004; July 1.
Projectile. R. S. Spalding. 2,247,563; July 1.
Prolamine composition. P. Drewsen and J. R. Little. 2,247,351; July 1.
Propulsion system, Marine. W. J. Besler. 2,247,595; July 1.
Protecting device for electric detonators. D. D. Huyett 2,247,384; July 1.
Protective device. G. L. Swift. 2,247,592; July 1.
Protective tube, Expulsion-type excess-voltage. O. Ackermann. 2,247,352; July 1.
Protector: *See*—
Coupling protector.
Waterproof hosiery protector.
Pump: *See*—
Centrifugal pump.
Pump. R. S. Potter. 2,247,922; July 1.
Pumping apparatus. C. H. Ferguson. 2,247,654; July 1
Putty applicator. J. M. Christman. 2,247,603–4; July 1.
Rack: *See*—
Dish rinsing rack. Display rack.
Radiator air vent valve, Vacuum. R. E. Turner. 2,247,930; July 1.
Rail construction, Roof. C. H. Widman. 2,247,457; July 1.
Rain water container. A. H. De Groff. 2,247,608; July 1.
Reciprocating means for catheads. F. M. Owen. 2,247,518; July 1.
Recording and reproducing device for magnetic sound writing. F. Pfleumer. 2,247,847; July 1.
Recording and reproduction of sound and apparatus therefor. W. E. Garity and J. N. A. Hawkins. 2,247,554; July 1.
Recording mechanism, Turntable driven. M. E. Collins. 2,247,747; July 1.
Refrigerating apparatus. A. A. Kucher. 2,247,949–50; July 1.
Refrigerating apparatus. J. A. Macready and D. H. Wyatt. 2,248,036; July 1.
Refrigeration. G. A. Brace. 2,247,903–4; July 1.
Refrigeration. D. G. Smellie. 2,247,789; July 1.
Refrigeration method and apparatus. A. G. Rayburn. 2,247,850; July 1.
Refrigerator. R. H. Tull. 2,247,736; July 1.
Regulator: *See*—
Tension regulator.
Regulator for fuel injection systems for internal combustion engines, Pressure. W. T. Tabb and E. M. Purdy. 2,247,421; July 1.
Relay, Mercury contact. H. C. Harrison and C. E. Pollard. 2,247,493; July 1.
Reproducer. J. F. Nielsen. 2,247,640; July 1.
Rerailing frogs. L. B. Jones. 2,247,581; July 1.
Resin, Color stable di-naphthyl methane. W. H. Carmody. 2,247,940; July 1.
Resinous composition, Pheno-formaldehyde. G. F. D'Alelio. 2,247,772; July 1.
Resinous condensation products and the production thereof. H. J. Tattersall. 2,247,422; July 1.
Reversing mechanism for electro-mechanical knitting machines, Pattern. S. R. Shelmire. 2,247,967; July 1.
Ring: *See*—
Spinning and twister ring.
Road grader. F. E. Arndt. 2,247,464; July 1.
Road grader. F. E. Arndt. 2,247,982; July 1.
Road sweeper. J. D. Phillips. 2,248,012; July 1.
Roaster, Barbecue. M. Sainich. 2,247,669; July 1.
Rod: *See*—
Stoker rod pusher.
Rosin and product made thereby, Polymerizing. R. C. Palmer and C. H. Bibb. 2,247,399; July 1.
Rosin product and the product made thereby, Preparing a high melting stable. R. C. Palmer and C. H. Bibb. 2,247,400; July 1.
Rotary engine. E. E. Bowers and C. M. Tumey. 2,247,474; July 1.
Rubber and derivatives thereof, Making pure. J. W. Raynolds. 2,247,407; July 1.
Rubber bonded to artificial silk. T. A. Riehl. 2,247,923; July 1.
Rubber hydrohalides, Pigmented. J. B. Holden. 2,248,025; July 1.
Rubber, Vulcanization of. J. G. Lichty. 2,247,918; July 1.
Rule construction, Folding. C. West. 2,247,647; July 1.
Sacking device. E. G. Geisendorff. 2,247,879; July 1.
Sadiron, Electric. C. B. Gorton. 2,247,438; July 1.
Sadiron, Electric. W. R. Weeks. 2,247,826; July 1.
Safety device, Container. H. Schreiber. 2,247,734; July 1.
Safety device for presses and the like. W. T. Minett. 2,247,515; July 1.
Salts, Recovery of heat treating. D. A. Holt. 2,247,579; July 1.
Sash holder. L. F. Moroney. 2,247,618; July 1.
Scanning apparatus. A. J. Cawley. 2,247,348; July 1.
Screen: *See*—
Window screen.
Screw driver for screw sticks. M. R. Hutchison, Jr. 2,247,500; July 1.
Screw stick. M. R. Hutchison, Jr. 2,247,499; July 1.
Seal. J. H. Kohler. 2,247,505; July 1.
Seal, Cable. H. A. Tepel. 2,247,671; July 1.
Seal pump. L. A. Thomson. 2,247,454; July 1.
Selector. W. S. Rotherham. 2,247,733; July 1.
Separating and cleaning apparatus, Abrasive. R. B. Huyett. 2,247,385; July 1.
Separator: *See*—
Dust separator.
Setting device, Time controlled. H. Turin, O. E. Kase, and H. D. Hineline. 2,247,455; July 1.
Sewing and darning machine, Convertible. R. K. Hohmann and F. Osann. 2,247,379; July 1.
Sewing machine, Convertible flat-bed cylinder arm. R. K. Hohmann and F. Osann. 2,247,383; July 1.
Sewing machine drive means. R. K. Hohmann and F. Osann. 2,247,381; July 1.
Sewing machine feed mechanism. R. K. Hohmann and F. Osann. 2,247,382; July 1.
Shaker. J. L. Van Arkel. 2,247,978; July 1.
Shaver. R. F. Bean. 2,247,798; July 1.
Shaving device. F. E. Moskovics and V. R. Abrams. 2,247,661; July 1.
Sheet feeding apparatus. L. Baker and L. C. Williams. 2,247,466; July 1.
Sheet feeding apparatus. F. G. Binder. 2,247,473; July 1.
Sheets, Producing engraved printed. R. Gatto. 2,247,878; July 1.
Shifter, Variable phase. M. G. Crosby. 2,247,941; July 1.
Shoe. F. H. Wolfhard and L. C. Woodall. 2,247,459; July 1.
Shoe treating apparatus. F. C. Eastman. 2,247,483; July 1.
Shuttlecock. G. B. Emerson. 2,247,486; July 1.
Shuttle motion for narrow fabric looms. G. Holden. 2,247,999; July 1.
Side bearing. R. B. Cottrell. 2,247,574; July 1.
Signal: *See*—
Directional signal.
Signal for bridges, Danger. C. W. Waldahl. 2,247,980; July 1.
Signaling and interlocking system for traffic routes. G. L. Caille and A. P. Laze. 2,247,801; July 1.
Signaling system. K. L. Burgener. 2,247,477; July 1.
Silo and building the same. M. Goldbeck. 2,247,836; July 1.
Silver halide emulsions, Hardening and simultaneously increasing the sensitivity of photographic. J. Brunken, H. Fricke and G. Wilmanns. 2,247,569; July 1.
Ski with antislip means. E. Miesen. 2,248,008; July 1.
Slicer, Lemon. A. E. Carlson. 2,247,650; July 1.
Slug casting machine, Typographical. H. Brandenburg. 2,247,986; July 1.
Smokeless powder, Making. M. F. Lindsley, Jr. 2,247,392; July 1.
Socket, Electric. M. C. Hoxie. 2,247,778; July 1.
Sodium phenate, Manufacture of. W. H. Garrett and S. Smith. 2,247,877; July 1.
Solar heater. C. G. Abbot. 2,247,830; July 1.
Solder, Wiping. G. S. Phipps and E. E. Schumacher. 2,247,559; July 1.
Sorting apparatus, Photoelectric. W. H. Hickok. 2,247,684; July 1.
Sound records, Duplicating. K. Daniel. 2,247,991; July 1.
Speed drive system, Multiple belt variable. D. Heyer. 2,247,552; July 1.
Speed responsive mechanism. J. W. Hale. 2,247,492; July 1.
Spinning and twister ring. G. Goodchild. 2,248,024; July 1.
Spool for cinematograph films. K. Hipke. 2,247,812; July 1.
Spool, Ribbon winding. C. W. Hatfield. 2,247,881; July 1.
Spring clip. H. Greenhill. 2,247,490; July 1.
Spring construction, Rubberized. S. S. Bernstein. 2,247,543; July 1.
Spring washer. R. J. McComb. 2,247,959; July 1.
Stabilizing device for terrestrial vehicles. G. D. de Venel. 2,247,749; July 1.
Stand: *See*—
Display stand.
Starter switch. C. Chirelstein. 2,247,872; July 1.
Steam boiler. H. J. Kerr and C. H. Woolley. 2,247,884; July 1.
Steel for the manufacture of wheels and tires, Alloy. H. L. Frevert. 2,247,876; July 1.
Stilboestrol and related compounds, Manufacture of. L. F. Fieser and W. G. Christiansen. 2,248,019; July 1.
Stocking. S. I. and M. M. Burd. 2,247,832; July 1.
Stoker, Pusher rod. C. E. Gingher. 2,247,726; July 1.
Stop and tool, Corporation. W. J. Bowan. 2,247,428; July 1.
Stop and tool, Corporation. F. H. Mueller, W. J. Bowan, and E. H. Fawley. 2,247,427; July 1.
Stove. F. T. Herron. 2,247,882; July 1.
Stove, Camp. A. S. Haislip. 2,247,612; July 1.
Stove, Electric. W. S. Thimblethorpe. 2,247,974; July 1.
Stud links, Making. S. H. Gordon. 2,247,837; July 1.
Suction lifter. G. J. Schmidt. 2,247,787; July 1.

Suitcase, Wardrobe. J. Ritter, Jr. 2,247,965; July 1.
Sulphonates, Manufacture of side-chain aromatic. L. H. Flett. 2,247,365; July 1.
Support for connection cords of electric irons. E. S. Halsey. 2,247,551; July 1.
Surface for rubber heels, Removable wearing. F. A. W. Kelley. 2,247,555; July 1.
Surface working apparatus. P. A. Fisker. 2,247,993; July 1.
Surge indicator. W. D. Hall. 2,247,808; July 1.
Switch: *See*—
Mercury switch. Thermostatic switch.
Starter switch. Time switch.
Synchronizing apparatus. L. Hartmann and G. Prager. 2,247,809; July 1.
Synchronous motor, Self-starting. J. Gottlieb, L. Eickemeyer, and C. Woessner. 2,247,489; July 1.
Tank for galvanizing metal articles by the lead-zinc process. B. Ulbricht. 2,247,854; July 1.
Tape dispensing device. J. Dohnal. 2,247,750; July 1.
Tars, Emulsification of. W. J. Chadder, H. M. Spiers, and E. Arnold. 2,247,722; July 1.
Telegraph apparatus, Printing. A. H. Reiber. 2,247,408; July 1.
Telephone system. E. H. Lapham and L. R. Waller. 2,247,507; July 1.
Television video-frequency signal-translating system. H. M. Lewis. 2,247,512; July 1.
Tension regulator. O. C. Roesen. 2,248,014; July 1.
Terminal block. R. V. Terry. 2,247,646; July 1.
Testing apparatus, Concrete. G. W. Hutchinson. 2,247,553; July 1.
Testing eyes. J. B. Feldman. 2,247,653; July 1.
Textiles, Sizing. L. Auer. 2,247,353; July 1.
Thermal-responsive device. G. F. Bahr. 2,247,902; July 1.
Thermostatic switch, Automatic. W. V. Stewart. 2,247,414; July 1.
Thread or the like, Processing of. W. F. Knebusch and A. H. Burkholder. 2,247,389; July 1.
Thread treating apparatus. W. F. Knebusch and A. H. Burkholder. 2,247,390; July 1.
Thread winding machine. H. Treckmann. 2,247,718; July 1.
Thruster. L. J. Santen. 2,247,562; July 1.
Time-setting device. C. Lurtz. 2,247,638; July 1.
Time switch. R. Hermann. 2,247,811; July 1.
Tool: *See*—
Finishing and burnishing tool. Weeding tool.
Tool for inserting or removing corporation stops. E. W. Wilson. 2,247,426; July 1.
Tool for segmenting citrus fruits. R. Polk, Sr., and R. Polk, Jr. 2,247,589; July 1.
Tool for slitting purposes, Cutting. J. van Unen. 2,247,719; July 1.
Tooth, Artificial. S. Z. Sostrin and C. J. Dembicki. 2,247,968; July 1.
Towel holder. E. R. Erickson. 2,247,437; July 1.
Tower, Bubble. W. C. Edmister and D. H. Pollock. 2,247,485; July 1.
Tower, Center vent double flow coil. L. T. Mart. 2,247,514; July 1.
Toy. S. I. Berger. 2,247,354; July 1.
Toy excavating shovel. J. Penica. 2,247,619; July 1.
Toy railway with sound effects. W. R. Smith. 2,247,418; July 1.
Toy rattle. I. E. Cohn. 2,247,873; July 1.
Tractor. H. G. Ferguson. 2,247,725; July 1.
Tractor hitch. F. von Schlegell. 2,247,534; July 1.
Tractor implement. C. E. Frudden, W. H. Tanke, and A. G. Buhr. 2,247,367; July 1.
Train order deliverer. B. V. Robbins. 2,248,013; July 1.
Transcribing apparatus. C. D. Lake and F. E. Hamilton. 2,247,915; July 1.
Transmission. P. W. Neff. 2,247,920; July 1.
Transmission, Differential. F. F. L. Giroud. 2,247,578; July 1.
Transmission mechanism. C. D. Peterson and A. H. Delmel. 2,247,714; July 1.
Transmission shifter mechanism. W. F. Groene, H. C. Kemper, and H. E. Darby. 2,247,491; July 1.
Transmitter, Impulse. J. Zuger and W. Koenig. 2,247,866; July 1.
Trap: *See*—
Animal trap.
Trap for storage tanks, Ffuid. D. H. Walton. 2,247,566; July 1.
Traveling case. A. Fridolph. 2,247,366; July 1.
Trimmer, Tree. E. Chial. 2,247,723; July 1.
Truck, Emergency tire. E. L. Sutter. 2,247,717; July 1.
Truck, Railway. A. C. Wintemberg. 2,247,458; July 1.
Trolling sinker, Kitelike. C. L. Louthan. 2,247,583; July 1.
Tube: *See*—
Protective tube.
Tuning fork. S. E. Michaels. 2,247,960; July 1.
Turbine diaphragm supporting and centering arrangement, Elastic fluid. M. A. Hinrichs. 2,247,578; July 1.
Turbine diaphragm supporting and centering arrangement, Elastic fluid. C. W. Johnson and W. R. Wadden. 2,247,387; July 1.
Turbine plane, Combustion. A. Meyer. 2,247,845; July 1.
Twisting device, Wire. J. M. Gerrard. 2,247,776; July 1.
Typographical distributing machine. H. T. Sundstrom and C. A. Stopple. 2,247,973; July 1.
Urea and preparing same, Tertiary alkyl. M. T. Harvey and S. Caplan. 2,247,495; July 1.
Utility device, Kitchen. R. H. Jordan. 2,247,707; July 1.
Vacuum cleaner. W. E. Bible. 2,247,472; July 1.
Vacuum cleaner. J. Frederick. 2,247,549; July 1.
Valve: *See*—
Check valve. Radiator air vent valve.
Liquid dispensing valve.
Valve. S. M. Dunn. 2,247,773; July 1.
Valve. C. W. Strong. 2,247,590; July 1.
Valve arrangement. D. F. Warner. 2,247,825; July 1.
Valve converting system, Electric. R. Tröger and O. Renner. 2,247,793; July 1.
Valve device. S. M. Dunn. 2,247,363; July 1.
Valve for tanks, Water inlet. D. Sherwood. 2,247,525; July 1.
Valve translating system, Electric. H. Puppe. 2,247,785; July 1.
Valve unit for pipe organs, Air. C. E. Grant. 2,247,838; July 1.
Vehicle: *See*—
Motor vehicle.
Vehicle. D. D. Ormsby and A. W. Peirce. 2,247,962; July 1.
Vehicle. W. C. Rosenthal. 2,247,668; July 1.
Vending machine. D. Neldig. 2,247,888; July 1.
Vending machine. J. E. Sellinger and H. H. Richman. 2,247,644; July 1.
Ventilating apparatus. C. B. Schneible. 2,247,891; July 1.
Ventilating apparatus, Airflow. C. B. Schneible 2,247,892; July 1.
Ventilator, Window. W. Henderson. 2,247,947; July 1
Vibrations in transmission apparatus, Damping torsional. F. B. Halford and W. K. Wilson. 2,247,839; July 1.
Vibratory motor. E. L. Barrett. 2,247,469; July 1.
Vise. B. Friedrich. 2,247,656; July 1.
Voltage control device. L. Kamenarović. 2,247,841; July 1.
Voltage control for synchronous motors. J. L. Fields. 2,247,655; July 1.
Wall covering. E. H. Gardner. 2,247,945; July 1.
Wallpaper machine. L. J. Manka. 2,247,447; July 1.
Washer: *See*—
Spring washer.
Washers, Forming lock. C. C. Washer. 2,247,981; July 1.
Washing, wetting, and emulsifying agent. H. Beller and E. V. Fasce. 2,247,741; July 1.
Water closet, High pressure. E. Du Pont. 2,247,911; July 1.
Waterproof hosiery protector. S. Asch and D. E. Robinson. 2,247,831; July 1.
Water softener. E. C. Reynolds. 2,247,964; July 1.
Water treatment means and method. V. E. McCoy. 2,247,762; July 1.
Weather strip. G. Cerny. 2,247,435; July 1.
Weeding tool. W. G. Maxey. 2,247,958; July 1.
Weight, Horn. W. A. Clarke. 2,247,724; July 1.
Wells, Treatment of. C. F. Prutton. 2,248,028; July 1.
Welting. W. C. Vizard. 2,247,456 July 1.
Wheel assembly. J. A. Hipple. 2,247,685; July 1.
Windmill. C. F. Terhune. 2,247,929; July 1.
Windshield wiper mechanism. J. A. Lawler. 2,247,508; July 1.
Window construction. D. T. Houston. 2,247,634; July 1.
Window screen. A. C. Pfeiffer. 2,247,819; July 1.
Window valance, Adjustable. A. Levaggi. 2,247,954; July 1.
Wiper for coating machines. R. L. Fearn. 2,247,547; July 1.
Wires, Protecting cut surfaces of pieces of. P. Ziegs. 2,247,829; July 1.
Wrench. B. H. Pierce. 2,247,521; July 1.
Wringer, Clothes. A. J. Leonard. 2,247,953; July 1.
Wringer device, Clothes. O. E. Crites. 2,247,874; July 1.
X-ray filter. P. C. Rawls. 2,247,451; July 1.
Xylophone. H. Zimmerman. 2,247,461; July 1.
Yarns exhibiting the characteristics of staple fiber yarns, Production from continuous filaments of. W. I. Taylor, L. B. Gibbins, and A. H. Woodruff. 2,247,529; July 1.
Yarns, Manufacture of. A. S. Bell. 2,247,471; July 1.

CLASSIFICATION OF PATENTS

ISSUED JULY 1, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2—	2: 2,247,961	36—	3: 2,247,748	72—	6: 2,247,836	103—	115: 2,247,813	146—	153: 2,247,693	178—	7.7: 2,247,350
	12: 2,247,971		36: 2,247,555		42: 2,247,614	104—	269: 2,247,581		2,247,694		29: 2,247,408
	74: 2,247,784		45: 2,247,459	73—	303: 2,248,006	105—	73: 2,247,429		2,247,695		44: 2,247,468
4—	77: 2,247,911	37—	157: 2,247,464	74—	14: 2,247,629		194: 2,247,458		2,247,696		2,247,538
5—	69: 2,247,516		2,247,982		59: 2,247,562		377: Re.21,851		2,247,697		2,247,898
	82: 2,247,360	38—	32: 2,247,935		60: 2,247,527	106—	15: 2,247,633		2,247,698		50: 2,247,909
	91: 2,247,705		61: 2,247,805		110: 2,247,792		72: 2,247,467		2,247,699	179—	5: 2,247,477
	102: 2,247,598		77: 2,247,438		189.5: 2,247,714		95: 2,247,453	169:	2,247,650		18: 2,247,507
	124: 2,247,703	40—	65: 2,247,939		230.17: 2,247,552		97: 2,248,032	148—	4: 2,247,643		100.2: 2,247,847
	207: 2,247,900		132: 2,247,545		242.15: 2,247,670		2,248,033		6: 2,247,580		100.3: 2,247,554
	236: 2,248,023		143: 2,247,944		265: 2,247,578		152: 2,247,351		11.5: 2,247,804		100.4: 2,247,924
	256: 2,247,543	41—	1: 2,247,432		305: 2,247,839		204: 2,247,377		15: 2,247,579		100.41: 2,247,640
	259: 2,247,490		31.6: 2,247,347		411: 2,247,747		302: 2,248,021	149—	21: 2,247,738		171: 2,247,442
	357: 2,247,667		2,247,349		473: 2,247,491	108—	9: 2,247,945	153—	54: 2,247,952		2,247,630
10—	86: 2,247,981	42—	3: 2,248,015		526: 2,247,503	111—	48: 2,247,681	154—	46: 2,247,923		2,247,775
12—	1: 2,247,483	43—	3: 2,247,450	75—	65: 2,247,823	112—	35: 2,247,691	155—	41: 2,247,720		2,247,779
	4: 2,247,443		19: 2,247,561		166: 2,247,559		121: 2,247,379		49: 2,247,546		2,247,983
	146: 2,247,456		37: 2,247,806	80—	13: 2,247,943		200: 2,247,570		148: 2,247,799	180—	1: 2,247,668
13—	13: 2,248,020		52: 2,247,583		14: 2,247,863		215: 2,247,382	156—	13: 2,247,954		8: 2,247,782
	26: 2,247,370		76: 2,247,931		2,247,864		220: 2,247,381		14: 2,247,819		54: 2,247,742
15—	4: 2,247,549		83.5: 2,247,652	81—	53: 2,247,426		260: 2,247,383		15: 2,247,846		2,247,962
	49: 2,247,993		88: 2,247,632		2,247,427	113—	24: 2,247,828		43: 2,247,616	181—	31: 2,247,663
	82: 2,248,012		92: 2,247,660		2,247,428	115—	24: 2,247,683	158—	1: 2,247,977	183—	4: 2,247,594
	98: 2,247,970		134: 2,247,791		2,247,521	116—	118: 2,247,980		27.4: 2,247,494		7: 2,247,361
	229: 2,247,883	44—	4: 2,247,415	82—	33: 2,247,721	119—	95: 2,247,431		28: 2,247,855		9: 2,247,786
	253: 2,247,508		9: 2,247,476		40: 2,247,550		97: 2,247,833		2,247,857		35: 2,247,472
	257: 2,247,946	46—	193: 2,247,873	84—	240: 2,247,710	121—	70: 2,247,474		2,247,858		51: Re.21,847
18—	3.5: 2,247,603		212: 2,247,354		2,247,998		181: 2,247,802		36: 2,247,689		77: 2,247,528
	2,247,604	47—	40: Pl.Pt.478		299: 2,247,565	122—	214: 2,247,796		76: 2,247,768	184—	6: 2,247,732
	46: 2,247,818	49—	62: 2,247,424		337: 2,247,838		480: 2,247,884		86: 2,247,889	188—	78: 2,247,610
	48.3: 2,247,991	51—	9: 2,247,391		383: 2,247,441		494: 2,247,859		88: 2,247,856		152: 2,247,374
	59: 2,247,558		34: 2,247,479		403: 2,247,461	123—	11: 2,248,029		2,247,860		265: 2,247,368
19—	1: 2,247,529		2,247,502		409: 2,247,960		32: 2,247,759		91: 2,247,848		2,247,369
	65: 2,247,504		101: 2,247,412	85—	41: 2,247,499		80: 2,247,984		109: 2,247,548	189—	2: 2,247,893
20—	4: 2,247,886		124: 2,247,706	88—	14: 2,247,737		139: 2,247,421	164—	33: 2,247,444		36: 2,247,975
	19: 2,247,885		129: 2,247,994		20: 2,247,653	124—	23: 2,247,649		36: 2,247,750		65: 2,247,435
	35: 2,247,949		299: 2,248,031		23: 2,247,763	126—	25: 2,247,612		49: 2,247,766		78: 2,247,933
	40: 2,247,634	52—	22: 2,247,392		2,247,805		38: 2,248,037		115: 2,247,895	190—	41: 2,247,366
	78: 2,247,530	53—	5: 2,247,669		43: 2,247,639		67: 2,247,882	166—	21: 2,248,028		2,247,965
22—	113: 2,247,536		7: 2,247,951		54.5: 2,247,628		116: 2,247,849	170—	26: 2,247,929	191—	12.2: 2,247,868
	152: 2,247,537	55—	83: 2,247,534		102: 2,247,526		271: 2,247,830	171—	242: 2,247,655	192—	3.5: 2,247,920
	188: 2,247,395	56—	11: 2,247,687	90—	13: 2,247,761	128—	2.1: 2,247,875		252: 2,247,890		45: 2,247,713
	2,247,571		25: 2,248,022		13.1: 2,247,462		63: 2,247,440		313: 2,247,814		48: 2,247,478
	2,247,572		44: 2,247,682		20: 2,247,582		76: 2,247,724		327: 2,247,627		53: 2,247,715
	2,247,573		47: 2,247,686		60: 2,247,656		141: 2,247,925	172—	36: 2,247,645		58: 2,247,410
	2,247,585	57—	2: 2,247,471	91—	12.5: 2,247,854	129—	16: 2,247,593		2,247,708		99: 2,247,463
	2,247,586		16: 2,247,481		14: 2,247,447		2,247,637		2,247,966		107: 2,247,600
	2,247,587		35: 2,247,389		25: 2,247,622		16.7: 2,248,027		152: 2,247,955		129: 2,247,515
	2,247,588		122: 2,248,024		2,247,956		17: 2,247,397		238: 2,247,941	194—	66: 2,247,480
	200: 2,247,777	58—	16: 2,247,638		45: 2,247,794	130—	23: 2,247,446		239: 2,247,842		92: 2,247,888
23—	143: 2,247,624		44: 2,247,394		2,247,963		30: 2,247,557		278: 2,247,489		100: 2,247,488
	165: 2,247,373	59—	31: 2,247,837		59.4: 2,247,547	131—	40: 2,247,358		284: 2,248,030	196—	10: 2,247,465
24—	8: 2,247,372	60—	11: 2,247,595		70: 2,247,353		66: 2,247,413		289: 2,247,506		13: 2,247,475
	101: 2,247,522		31: 2,247,393	92—	21: 2,247,355	132—	75.6: 2,247,567	173—	259: 2,247,452		2,247,535
	248: 2,247,437		41: 2,247,845	93—	2: 2,247,401		78.5: 2,248,011		322: 2,247,767		22: 2,247,375
25—	128: 2,247,517		54.6: 2,247,827		3: 2,247,871	136—	63: 2,247,992		328: 2,247,386		31: 2,247,926
	154: 2,247,510	62—	4: 2,247,449	95—	7: 2,247,509	137—	53: 2,247,566		347: 2,247,778		2,247,927
	156: 2,247,376		5: 2,247,789	97—	47: 2,247,367		68: 2,247,532	174—	17: 2,247,936		48: 2,247,740
26—	17: 2,247,733		24: Re.21,849		2,247,680	138—	37: 2,247,972		19: 2,247,671		74: 2,247,371
27—	35: 2,247,617		92: 2,247,850		55: 2,247,788		56: 2,247,416		66: 2,247,646	197—	20: 2,247,907
29—	1.21: 2,248,002		102: 2,247,575		192: 2,247,607	139—	11: 2,247,760	175—	30: 2,247,352		2,247,915
	21: 2,247,997		2,247,736	98—	88: 2,247,947		22: 2,247,999		182: 2,247,417		126: 2,247,765
	84: 2,247,730		104: 2,247,865		115: 2,247,891		151: 2,247,484		335: 2,247,745		2,247,912
	90: 2,247,887		105: 2,247,903		2,247,892		420: 2,247,615		363: 2,247,783	198—	31: 2,247,672
	160.6: 2,247,829		2,247,904	99—	2: 2,247,851	140—	71: 2,247,957		2,247,785		33: 2,247,602
30—	43: 2,247,661		115: 2,247,950		159: 2,247,425		93: 2,247,776		2,247,793		2,247,675
	2,247,798		141: 2,247,388	100—	50: 2,247,988	141—	9: 2,247,932		366: 2,247,753		221: 2,247,726
	249: 2,247,723	66—	50: 2,247,967	101—	93: 2,247,916	144—	176: 2,247,665	176—	1: 2,247,409	199—	16: 2,247,973
	289: 2,247,719		110: 2,247,611		131: 2,247,934	145—	50: 2,247,500		2: 2,247,513		47: 2,247,996
	294: 2,247,840		125: 2,247,716		170: 2,247,540	146—	3: 2,247,589	177—	7: 2,247,641		50: 2,247,986
32—	12: 2,247,968		185: 2,247,832		310: 2,247,396		2,247,948		311: 2,247,808	200—	39: 2,247,811
33—	104: 2,247,362	67—	29: 2,247,809		426: 2,247,878		6: 2,247,810		378: 2,247,758		47: 2,248,010
	105: 2,247,647	68—	200: 2,247,346	102—	10: 2,247,384		153: 2,247,673		380: 2,247,866		89: 2,247,862
	164: 2,247,797		264: 2,247,953		40: 2,247,563		2,247,674		2,247,942		90: 2,247,469
	222: 2,247,541		277: 2,247,874	103—	38: 2,247,922		2,247,676	178—	6: 2,247,348		109: 2,247,861
34—	122: 2,247,390	70—	364: 2,247,621		113: 2,247,654		2,247,678		7.2: 2,247,511		112: 2,247,493
36—	2: 2,247,831		455: 2,247,592		2,247,709		2,247,692		7.5: 2,247,512		113: 2,247,872

200— 116: 2,247,701
117: 2,247,702
2,247,704
2,247,815
126: 2,247,700
138: 2,247,539
140: 2,247,414
142: 2,247,902
150: Re.21,848
152: 2,248,003
166: 2,247,754
2,247,755
201— 48: 2,247,841
202— 41: 2,247,470
206— 8: 2,248,009
209— 111: 2,247,684
130: 2,247,596
135: 2,247,385
210— 10: 2,247,762
23: 2,247,711
24: 2,247,964
69: 2,247,605
138: 2,247,445
199: 2,247,460
211— 49: 2,247,519
57: 2,247,497
178: 2,247,774
213— 104: 2,247,677
214— 1: 2,247,787
17: 2,247,448
138: 2,247,619
216— 55: 2,247,623
219— 3: 2,247,979
19: 2,247,974
25: 2,247,826
32: 2,248,017
2,248,026
35: 2,247,626
38: 2,248,007
39: 2,247,816

219— 39: 2,247,824
220— 1: 2,247,608
8: 2,247,712
21: 2,247,620
44: 2,247,734
86: 2,247,509
221— 60: 2,247,357
78: 2,248,001
223— 88: 2,247,613
224— 5: 2,247,867
226— 61: 2,247,879
229— 16: 2,247,870
230— 117: 2,247,817
234— 1.5: 2,247,905
2,247,908
235— 60: 2,247,938
61: 2,247,531
61.7: 2,247,914
61.9: 2,247,906
236— 37: 2,247,405
63: 2,247,930
68: 2,247,679
237— 50: 2,247,896
238— 260: 2,247,959
240— 1: 2,247,969
2.17: 2,247,591
10.5: 2,247,901
54: 2,247,356
81: 2,247,771
241— 1: 2,247,601
8: 2,247,835
242— 35.5: 2,247,718
70: 2,247,812
2,247,881
75: 2,248,014
244— 124: Re.21,850
135: 2,247,406
246— 31: 2,247,418
134: 2,247,801
168: 2,247,843

248— 51: 2,247,551
199: 2,247,597
245: 2,247,436
362: 2,247,727
250— 1: 2,247,662
11: 2,247,666
2,247,739
2,247,744
27.5: 2,247,688
2,247,869
33: 2,247,743
2,247,757
36: 2,247,544
2,247,728
40: 2,247,455
62: 2,247,451
161: 2,247,524
251— 122: 2,247,363
123: 2,247,773
127: 2,247,525
2,247,568
134: 2,247,590
2,247,976
144: 2,247,520
252— 34: 2,247,577
46: 2,247,807
183: 2,247,584
254: 2,247,820
311.5: 2,247,722
354: 2,247,741
372: 2,247,625
253— 78: 2,247,378
2,247,387
2,247,423
254— 67: 2,247,642
79: 2,247,398
168: 2,247,795
173: 2,247,518
185: 2,247,606
188: 2,247,498

255— 27: 2,247,560
72: 2,247,729
256— 57: 2,247,631
257— 3: 2,247,542
137: 2,247,987
258— 2: 2,248,013
259— 72: 2,247,978
97: 2,247,439
104: 2,247,707
260— 19: 2,247,411
30: 2,247,764
43: 2,247,735
45: 2,247,772
67: 2,247,940
70: 2,247,422
83: 2,247,790
97: 2,247,399
97.5: 2,247,496
100: 2,247,400
211: 2,247,913
289: 2,247,899
293: 2,248,018
306: 2,247,894
314: 2,247,752
342: 2,247,910
345: 2,247,482
397.1: 2,247,822
424: 2,247,359
425: 2,247,430
455: 2,247,919
505: 2,247,365
513: 2,247,921
515: 2,247,880
520: 2,247,877
553: 2,247,419
2,247,495
566: 2,248,035
593: 2,247,756
607: 2,247,821
613: 2,247,364

260— 613: 2,248,019
619: 2,247,402
2,247,403
2,247,404
627: 2,247,523
738: 2,248,025
772: 2,247,407
787: 2,247,918
793: 2,247,917
261— 11: 2,247,514
114: 2,247,485
264— 3: 2,247,492
6: 2,247,989
7: 2,247,434
265— 11: 2,247,553
266— 4: 2,247,770
267— 3: 2,247,574
270— 43: 2,248,016
271— 27: 2,247,473
46: 2,248,004
62: 2,247,466
272— 54: 2,247,533
273— 30: 2,247,657
35: 2,247,501
37: 2,247,769
51: 2,247,636
89: 2,247,853
101.1: 2,247,751
102: 2,247,635
105: 2,247,852
106: 2,247,486
274— 2: 2,247,731
2,247,746
9: 2,247,648
2,247,651
39: 2,247,658
2,247,659
280—11.13: 2,248,008
33.13: 2,247,664
33.15: 2,248,005

280— 61: 2,247,717
80: 2,247,345
91: 2,247,985
93: 2,247,725
96.2: 2,247,487
124: 2,247,749
281— 7: 2,247,599
285— 115: 2,247,420
135: 2,248,000
163: 2,247,609
286— 7: 2,247,454
8: 2,247,505
287— 75: 2,247,928
292— 73: 2,247,618
152: 2,247,556
174: 2,247,937
182: 2,247,844
294— 49: 2,247,958
118: 2,247,780
295— 30: 2,247,876
296— 137: 2,247,457
299— 13: 2,248,036
24: 2,247,600
52: 2,247,433
114: 2,247,897
140: 2,247,781
2,247,990
308— 3: 2,247,825
4: 2,247,564
19: 2,247,685
238: 2,247,995
312— 30: 2,247,380
48: 2,247,576
2,247,644
60: 2,247,800
67: 2,247,834

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re.21,849: 62— 24
2,247,351: 106— 152
2,247,377: 106— 204
2,247,389: 57— 35
2,247,393: 60— 31
2,247,396: 101— 310
2,247,420: 285— 115
2,247,432: 41— 1
2,247,445: 210— 138
2,247,451: 250— 62
2,247,464: 37— 157

2,247,490: 5— 259
2,247,497: 211— 57
2,247,506: 172— 289
2,247,508: 15— 253
2,247,512: 178— 7.5
2,247,543: 5— 256
2,247,548: 158— 109
2,247,553: 265— 11
2,247,566: 137— 53
2,247,567: 132— 75.6
2,247,576: 312— 48

2,247,584: 252— 183
2,247,595: 60— 11
2,247,597: 248— 199
2,247,598: 5— 102
2,247,633: 106— 15
2,247,646: 174— 66
2,247,671: 174— 19
2,247,682: 56— 44
2,247,686: 56— 47
2,247,712: 220— 8
2,247,722: 252—311.5

2,247,723: 30— 249
2,247,729: 255— 72
2,247,741: 252— 354
2,247,765: 197— 126
2,247,768: 158— 76
2,247,817: 230— 117
2,247,820: 252— 254
2,247,856: 158— 88
2,247,860: 158— 88
2,247,868: 191— 12.2

2,247,870: 229— 16
2,247,872: 200— 113
2,247,877: 260— 520
2,247,880: 260— 515
2,247,912: 197— 126
2,247,921: 260— 513
2,247,936: 174— 17
2,247,939: 40— 65
2,247,941: 172— 238
2,247,949: 20— 35
2,247,959: 238— 260

2,247,982: 37— 157
2,248,015: 42— 3
2,248,016: 270— 43
2,248,024: 57— 122
2,248,032: 106— 97
2,248,033: 106— 97

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

All-American Comics, Inc., New York, N. Y. Cartoons published in a series. Serial No. 443,385; July 8. Class 38.

Alport, Ivan, New York, N. Y. Men's and boys' hats and caps. Serial No. 443,065; July 8. Class 39.

American Aniline Products, Inc., New York, N. Y. Textile dyeing assistants. Serial No. 444,032; July 8. Class 6.

American Bleached Goods Company, Inc., New York, N. Y. Piece goods of rayon. Serial No. 443,740; July 8. Class 42.

American Lead Pencil Company, Hoboken, N. J. Pencils, mechanical pencils and fountain pens. Serial No. 418,129; July 8. Class 37.

American Viscose Corporation, Wilmington, Del. Synthetic thread and yarn and thread and yarn filaments. Serial No. 437,361; July 8. Class 43.

Andromachus Corporation, The, Long Island City, N. Y. Skin ointment for external use. Serial No. 443,830; July 8. Class 6.

Anglo Soap Corporation, New York, N. Y. Deodorizer. Serial No. 442,021; July 8. Class 6.

Anré. (See Koenig, Harry D.)

Atlas Powder Company, Wilmington, Del. Emulsifying, wetting, and dispersing agents. Serial No. 443,800; July 8. Class 6.

Austin Nichols & Co., Incorporated, Brooklyn & New York, N. Y. Blend of imported Panay rum, Mouquin triple sec liqueur, lemon juice and grenadine. Serial No. 443,908; July 8. Class 49.

Axelson Manufacturing Co., Los Angeles, Calif. Lathes. Serial No. 437,545; July 8. Class 23.

Baker Canning Company, Dundas and Theresa, Wis. Canned peas. Serial No. 439,454; July 8. Class 46.

Beatrice Sales Corporation, New York and Brooklyn, N. Y. Blend of canned edible oils. Serial No. 442,817; July 8. Class 46.

Best & Co. Inc., New York, N. Y. Dresses, evening dresses, playsuits, etc. Serial No. 442,859; July 8. Class 39.

Borden Company, The, New York, N. Y. Cream cheese. Serial No. 440,541; July 8. Class 46.

Borden Company, The, New York, N. Y. Blue cheese. Serial No. 443,803; July 8. Class 46.

Botany Worsted Mills, Passaic, N. J. Cleaning fluid for fabrics. Serial No. 443,744; July 8. Class 4.

Breneman, Chas. W., Co., The, Cincinnati, Ohio. Venetian blinds. Serial No. 444,068–9; July 8. Class 32.

Brockway Glass Company, Inc., Brockway, Pa. Glass bottles. Serial No. 443,038; July 8. Class 33.

Carleton, Mary T., New York, N. Y. Poison ivy preparation. Serial No. 443,452; July 8. Class 6.

Caveliero, Lina, Inc., Seattle, Wash. Face powder, lotions, creams, hand lotion, lipstick, etc. Serial No. 442,107; July 8. Class 6.

Central Screw Company, Chicago, Ill. Screws, bolts, nuts, and rivets. Serial No. 436,203; July 8. Class 13.

Cerophyl Laboratories, Inc., Kansas City, Mo. Processed food consisting of dehydrated cereal grasses. Serial No. 442,990; July 8. Class 46.

Cochran, Jacqueline, Roselle, N. J. Cosmetics and beauty preparations. Serial No. 443,400; July 8. Class 6.

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. Serial No. 443,555; July 8. Class 42.

Coleman & Bell Company, The, Norwood, Ohio. Compositions for use in the preparation and treatment of lithographic plates, etc. Serial No. 439,688; July 8. Class 6.

Cook, L. B., Bait Mfg. Co., Shreveport, La. Fish lures. Serial No. 443,917; July 8. Class 22.

Coralite Dental Products Company, Chicago, Ill. Dental jackets, inlays, bridges, crowns, etc. Serial No. 444,070; July 8. Class 44.

Daugherty, S. Ray, Los Angeles, Calif. Game. Serial No. 443,532; July 8. Class 22.

David Pender Grocery Company, Norfolk, Va. Cereals. Serial No. 439,361; July 8. Class 46.

Davis & Geck, Inc., Brooklyn, N. Y. Surgical ligatures and sutures. Serial No. 443,838; July 8. Class 44.

De la Torre, J., e Hijo, S. R. L., Mexico City, Mexico. Filter cloths. Serial No. 442,932; July 8. Class 31.

Delatour, B., doing business as E. Delatour & Cie., and B. Delatour & Cie., Cognac and Bordeaux, France, and Ponce, P. R. Alcoholic liquers. Serial No. 442,993; July 8. Class 49.

De Santis, Pierre J., Great Neck, Long Island, N. Y. Photographs. Serial No. 443,342; July 8. Class 38.

Dodson-Fisher Company, Minneapolis, Minn. Bowling shoes. Serial No. 441,504; July 8. Class 39.

Duryea Products Company, Incorporated, Jersey City, N. J. Belt dressing. Serial No. 431,549; July 8. Class 4.

Dussol, L. A., & Co., Inc., Brooklyn, N. Y. Decorative wall covering for room interiors. Serial No. 442,005; July 8. Class 12.

East Bay Fisheries, San Francisco, Calif. Fish oil used in the preparation of poultry feeds. Serial No. 442,412; July 8. Class 6.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Water colors. Serial No. 442,832; July 8. Class 16.

Emery Industries, Inc., Cincinnati, Ohio. Fatty acids. Serial No. 443,490–1; July 8. Class 6.

Emery Industries, Inc., Cincinnati, Ohio. Filter powder used in dry cleaning. Serial No. 443,493; July 8. Class 6.

Emery Industries, Inc., Cincinnati, Ohio. Material for improving the finish of textile fabrics in dry cleaning. Serial No. 443,494; July 8. Class 6.

Federated Foods, Inc., doing business as Federated Foods, Chicago, Ill. Canned salmon. Serial No. 443,656; July 8. Class 46.

Feltault, Arthur J., doing business as The Visamap Company, Hartford, Conn. Road map holders. Serial No. 441,337; July 8. Class 19.

Firestone Tire & Rubber Company, The, Akron, Ohio. Defrosting and ventilating fans. Serial No. 441,570; July 8. Class 21.

Fort Pitt Bedding Company, Pittsburgh, Pa. Mattresses and box springs. Serial No. 442,899–900; July 8. Class 32.

Geckler, Frank M., Jr., doing business as Frank M. Geckler & Co., Bloomfield, N. J., and New York, N. Y. Piece goods all or in part of cotton, wool, rayon, etc. Serial No. 443,415; July 8. Class 42.

General Chemical Company, New York, N. Y. Chemical compound for conditioning of well drilling muds. Serial No. 443,250; July 8. Class 6.

Globe Lighting Fixture Mfg. Co., New York, N. Y. Electric lighting fixtures. Serial No. 443,081; July 8. Class 21.

Globe Novelty House, New York, N. Y. Men's garters, suspenders, and belts in the nature of garment supporters. Serial No. 439,693; July 8. Class 39.

Globe Roofing Products Co., Inc., Chicago, Ill. Insulated siding. Serial No. 443,190; July 8. Class 12.

Goldsmith Bros., New York, N. Y. Coffee, tea, mustard, and candy. Serial No. 442,702; July 8. Class 46.

Goldsmith Bros., New York, N. Y. Pumice (powdered) for shaving cream and soap. Serial No. 442,703; July 8. Class 4.

Grant, Aaron G., Oakland, Calif. Game cloth and a board game. Serial No. 441,865; July 8. Class 22.

Gray & Company, Portland, Oreg. Glace fruits, glace fruit peels, fruit jams, etc. Serial No. 399,756; July 8. Class 46.

Halden, J., & Company, Limited, Stockport, England. Chemical preparation used as a base for ointments. Serial No. 420,002; July 8. Class 6.

Hastad, Amanda, New York, N. Y. Chemical preparation for the treatment of hair. Serial No. 443,720; July 8. Class 6.

Helios, Limited, Bolton, England. Furnishing fabrics in the piece, bed covers, and table covers, etc. Serial No. 443,760; July 8. Class 42.

Hendrickson, Alfred, Fargo, N. Dak. Medicine in the form of a liniment. Serial No. 437,679; July 8. Class 6.

Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap. Serial No. 443,633; July 8. Class 4.

Hickey Freeman Company, Rochester, N. Y. Men's suits and topcoats. Serial No. 442,752; July 8. Class 39.

Horvath, John, Passaic, N. J. Medicine for leg ulcers, varicose veins, blood poisoning and bad blood. Serial No. 442,263; July 8. Class 6.

Horvath, John, Passaic, N. J. Medicine for arthritis and stiff joints. Serial No. 442,264; July 8. Class 6.

Hudson Products, Inc., Jersey City, N. J. Powders for holding false teeth in place. Serial No. 443,194; July 8. Class 6.

Indian Maid Beverage Co. (See Nunan, H. M.)

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial No. 440,596; July 8. Class 39.

Italian Vineyard Company, Los Angeles, Calif. Brandy. Serial No. 443,570; July 8. Class 46.

Joseph, George, doing business as Theriaca Products Company, New Kensington, Pa. Preparation for external use in treating rheumatism, neuritis, lumbago, etc. Serial No. 441,293; July 8. Class 6.

Kirby's Products, Union, S. C. Perfumes, brilliantines, hair lotion, etc. Serial No. 443,295; July 8. Class 6.

Koenig, Harry D., doing business as Anré, New York, N. Y. Face powders, rouge, creams, lipsticks, toilet water, perfumes, etc. Serial No. 441,872; July 8. Class 6.

Krier Preserving Company, The, Belgium, Wis. Canned vegetables. Serial No. 442,133; July 8. Class 46.

Leacock & Co., Inc., New York, N. Y. Linen and cotton fabrics in the piece, table cloths, napkins, etc. Serial No. 443,461; July 8. Class 42.

Leewood Fabrics, Inc., New York, N. Y. Worsted and woolen textile fabrics. Serial No. 443,611; July 8. Class 42.

Lewis, Mathias S., doing business as The Lewis Laboratories, Drexel Hill, Pa. Hand cleaners. Serial No. 443,812; July 8. Class 4.

Lindsley Lumber Company, Miami, Fla. Windows and window frames. Serial No. 440,942; July 8. Class 12.

Logansport Machine, Inc., Logansport, Ind. Pneumatic-hydraulic compression apparatus. Serial No. 438,313; July 8. Class 23.

Loose-Wiles Biscuit Company, New York and Long Island City, N. Y. Bakery products. Serial No. 442,010; July 8. Class 46.

MacDonald, Ian, Modesto, Calif. Practice golf ball retriever. Serial No. 443,298; July 8. Class 22.

MacLeans, Limited, Brentford, England. Pharmaceutical preparations for the treatment of indigestion, flatulence, gastritis, etc. Serial No. 441,827; July 8. Class 6.

Magitex Company, Inc., Saco, Maine. Dog shampoo. Serial No. 443,368; July 8. Class 6.

Mallory Hat Company, The, Danbury, Conn. Hats. Serial No. 441,615; July 8. Class 39.

Manhattan Undergarment Co., Inc., New York, N. Y. Ladies' and misses' slips. Serial No. 435,214; July 8. Class 39.

Marco Animal Foods, Inc., Philadelphia, Pa. Cat food. Serial No. 443,299; July 8. Class 46.

Marshall, Charles, doing business as Marshall Products, Nampa, Idaho. Automobile polish. Serial No. 431,917; July 8. Class 16.

McClintock, Richard S., Spokane, Wash. Ice crushers. Serial No. 443,087; July 8. Class 23.

McDonald Corporation, The, Lakeland, Fla. Canned citrus fruit juices. Serial No. 440,559; July 8. Class 46.

Medicas Corporation, New York, N. Y. Periodical. Serial No. 442,176; July 8. Class 38.

Mello Sheen Corporation, New York, N. Y. Textile fabrics in the piece of fine count poplin. Serial No. 443,775; July 8. Class 42.

Mongolia Importing Co. Inc., New York, N. Y. Sausage casings. Serial No. 441,058; July 8. Class 46.

Morningstar, Nicol, Inc., New York, N. Y. Arrowroot starch and flour. Serial No. 429,741. July 8. Class 46.

Morse, Leopold, Company, Boston, Mass. Men's topcoats. Serial No. 434,608; July 8. Class 39.

Moseslan, Paul A., & Sons, Inc., Fresno, Calif. Fresh grapes, fresh citrus and deciduous fruits, fresh vegetables and canned olives. Serial No. 442,598; July 8. Class 46.

Motor Products Corporation, Detroit, Mich., and N. Chicago, Ill. Refrigerating apparatus and parts thereof. Serial No. 437,250; July 8. Class 31.

Moy, Inc., New York, N. Y. Cream nail polish remover. Serial No. 443,848; July 8. Class 6.

Munro, Harold W., Providence, R. I. Toy surgical instruments, dolls and toy badges. Serial No. 442,755; July 8. Class 22.

National Lead Company, New York, N. Y. Linseed meal. Serial Nos. 441,738–9; July 8. Class 46.

New York Bag Co. Inc., New York, N. Y. Pocketbooks and handbags. Serial No. 442,849. July 8. Class 3.

Nunan, H. M., doing business as Indian Maid Beverage Co., Fullerton, Calif. Non-alcoholic maltless beverages. Serial No. 440,729; July 8. Class 45.

Old Joe Distilling Company, Lawrenceburg, Ky. Bourbon whiskeys. Serial No. 442,328; July 8. Class 46.

Owens-Illinois Glass Company, Toledo, Ohio. Bottles, jars and jugs all made of glass. Serial No. 443,051; July 8. Class 33.

P and K Company, Washington, D. C. Hairdressing. Serial No. 442,138; July 8. Class 6.

Paris Decorators Corp., New York, N. Y. Upholstered furniture. Serial No. 441,742; July 8. Class 32.

Peerless Childrens Garments, New York, N. Y. Children's dresses. Serial No. 443,578; July 8. Class 39.

Phoenix Hosiery Company, Milwaukee, Wis. Silk hosiery. Serial No. 443,372; July 8. Class 39.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Laminated safety glass. Serial No. 443,015; July 8. Class 33.

Plough, Inc., Memphis, Tenn. Hair pomade, shampoo preparation. Serial No. 441,547; July 8. Class 6.

Pond's Extract Company, New York, N. Y. Lipsticks. Serial No. 443,515; July 8. Class 6.

Powell-Savory Corp., New York, N. Y. Weekly newspaper. Serial No. 443,206; July 8. Class 38.

Rabinowe, E., & Co. Inc., Yonkers, N. Y. Ready mixed paints, varnishes, paint enamels, etc. Serial No. 429,886; July 8. Class 16.

Red Head Brand Company, Chicago, Ill. Men's and women's caps, coats, pants, etc. Serial No. 441,412; July 8. Class 39.

Romanoff Caviar Company, New York, N. Y. Bouillon cubes. Serial No. 442,603; July 8. Class 46.

St. Denis Toiletries, Inc., New York, N. Y. Soaps. Serial No. 443,618; July 8. Class 4.

Sandpaper Incorporated, Waltham, Mass. Flexible abrasive article. Serial No. 442,430; July 8. Class 4.

Santiago Development Corporation, Long Island City, N. Y. Liquid medicine for malarial fever, headache tablets, and tablets for relief of fevers and colds. Serial No. 443,208; July 8. Class 6.

Seal-Ins Laboratories, Inc., Los Angeles, Calif. Medicinal compound containing lactic acid, pectin, and agar. Serial No. 442,432; July 8. Class 6.

Select Sportswear, Inc., New York, N. Y. Ladies' and misses' knitted sport sweaters. Serial No. 443,019; July 8. Class 39.

Shapiro Bros. Inc., Chicago, Ill., and Phoenix, Ariz. Fresh vegetables. Serial No. 443,735; July 8. Class 46.

Sherman, Henry B., New York, N. Y. Carburetors and carburetor parts. Serial No. 439,880; July 8. Class 23.

Sociedad Anonima Vinedos y Bodegas Arizu, Buenos Aires, Argentina. Non-alcoholic maltless beverages. Serial No. 440,429; July 8. Class 45.

Spaulding-Moss Company, Boston, Mass. Sensitized blueprint paper and cloth, sensitized direct positive paper and cloth, sensitized Van Dyke paper and cloth. Serial No. 443,092; July 8. Class 26.

Squirt Company, The, Beverly Hills, Calif. Monthly trade publication. Serial No. 443,465; July 8. Class 38.

Templetons Incorporated, Buffalo, N. Y. Laxative. Serial No. 443,377; July 8. Class 6.

Theriaca Products Company. (See Joseph, George.)

Thomas & Betts Co., The, Elizabeth, N. J. Electrical-connecting lugs. Serial No. 443,239; July 8. Class 21.

Thomas, William G., Varina, N. C. External application effective in the relief of superficial muscular aches and pains. Serial No. 443,378; July 8. Class 6.

Timme, Otto, deceased, Estate of, doing business as E. F. Timme & Son, New York, N. Y. Rugs, carpets, and pile fabrics, in the piece. Serial No. 443,757; July 8. Class 42.

Toledo Scale Company, Toledo, Ohio. Weighing scales. Serial No. 443,175; July 8. Class 26.

United States Shoe Corporation, The, Cincinnati, Ohio. Shoes. Serial No. 443,240; July 8. Class 39.

Vagim, James G., doing business as Vagim Packing Co., Fresno, Calif. Dried fruits. Serial Nos. 443,271–2; July 8. Class 46.

Visamap Company, The. (See Feltault, Arthur J.)

Weyl-Zuckerman & Co., Stockton, Calif. Fresh potatoes in their natural state. Serial No. 411,258; July 8. Class 46.

Wilson & Bennett Mfg. Company, Chicago, Ill. Containers. Serial No. 443,150; July 8. Class 2.

Winner Manufacturing Co., Inc., Trenton, N. J. Chemical compound for use in waterproofing. Serial No. 439,915; July 8. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Albemarle Paper Manufacturing Company, The, Richmond, Va. Writing, printing, blotting, etc. paper. 148,343; renewed Nov. 15, 1941.

Allen, S. L., & Co., Inc. (See Genung, Chas. W., assignor.)

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Coats and suits. 388,783; July 8; Serial No. 441,296; published Apr. 29, 1941. Class 39.

Alpert, Ivan, New York, N. Y. Men's and boys' hats and caps. 388,728; July 8; Serial No. 440,305; published Apr. 22, 1941. Class 39.

Ambrose, Jay L., Denver, Colo. Cordials, blended whiskeys, whiskey blended with wine. 388,818; July 8. Class 49.

American Factors, Limited, Honolulu, Hawaii, and San Francisco, Calif. Coffee, canned fish, fruit, vegetables, and butter. 144,158; renewed June 28, 1941.

American Optical Company, Southbridge, Mass. Sunglasses, sunglass lenses and blanks for such lenses. 388,784; July 8; Serial No. 441,298; published Apr. 29, 1941. Class 26.

American Pulley Company, The, Philadelphia, Pa. Fiber pulleys. 388,807; July 8. Class 23.

American Rolling Mill Company, The, Middletown, Ohio. Products of pure iron. 148,346; renewed Nov. 15, 1941.

Angelus-Campfire Company. (See Rueckheim Bros. & Eckstein, assignor.)

Atkins, William O., Pomeroy, Ohio. Baby chicks. 388,725; July 8; Serial No. 439,613; published Apr. 29, 1941. Class 46.

Automatic Radio Manufacturing Co., Inc., Boston, Mass. Internal or external apparatus used in conjuction with radio for recharging dry batteries. 388,808; July 8. Class 21.

Automotive Replacements, Inc., Coldwater, Mich. Automobile parts. 388,822; July 8. Class 23.

Ballard & Ballard Company, Incorporated, doing business as New South Flour Co., Louisville, Ky. Wheat flour. 388,714; July 8; Serial No. 438,920; published Apr. 29, 1941. Class 46.

Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Knitting needles, and crochet hooks. 388,716; July 8; Serial No. 439,089; published Apr. 22, 1941. Class 40.

Beaumart Co., New York, N. Y. Dresses, suits, skirts, etc. 388,775; July 8; Serial No. 441,191; published Apr. 29, 1941. Class 39.

Belding Heminway Co., New York, N. Y. Printed rayon and acetate cloth in the piece. 388,747; July 8; Serial No. 440,533; published Apr. 29, 1941. Class 42.

Bell Aircraft Corporation, Buffalo, N. Y. Airplanes and structural parts thereof. 388,739–40; July 8; Serial Nos. 440,310–11; published Apr. 29, 1941. Class 19.

Berland Shoe Stores, Inc., The, St. Louis, Mo. Shoes. 388,691; July 8; Serial No. 425,228; published Jan. 9, 1940. Class 39.

Bloomingdale Bros., Inc., New York, N. Y. Women's, misses', and children's hats, coats, suits, and shoes. 388,817; July 8. Class 39.

Bon Marche, The. (See Allied Stores Corporation.)

Borden Company, The, New York, N. Y. Pasteurized cheese food mixture. 388,748; July 8; Serial No. 440,538; published Apr. 29, 1941. Class 46.

Bradley, Milton, Company, Springfield, Mass. Table game. 388,794; July 8; Serial No. 441,601; published Apr. 29, 1941. Class 22.

Brown, Victor, Undies, Inc., New York, N. Y. Slips, petticoats, and camisoles. 388,768; July 8; Serial No. 441,014; published Apr. 29, 1941. Class 39.

Buffalo Forge Company, Buffalo, N. Y. Metal-working, sugar-making, rice and grain treating, and other machinery. 147,943; renewed Nov. 8, 1941.

Buntly Frocks, Inc., New York, N. Y. Dresses and dress and jacket ensembles. 388,760; July 8; Serial No. 440,797; published Apr. 29, 1941. Class 39.

Buxton, Incorporated, Springfield, Mass. Leather key cases, purses, billfolds, and pocketbooks. 388,800; July 8. Class 3.

Canada Dry Ginger Ale Incorporated, New York, N. Y. Whiskey. 388,764; July 8; Serial No. 440,851; published Apr. 29, 1941. Class 49.

Capewell Manufacturing Company, The, Hartford, Conn. Hack saw blades. 388,778; July 8; Serial No. 441,229; published Apr. 29, 1941. Class 23.

Celanese Corporation of America, New York, N. Y. Swimming trunks, sport shirts, gym shirts. 388,741; July 8; Serial No. 440,442; published Apr. 29, 1941. Class 39.

Celanese Corporation of America, New York, N. Y. Swimming trunks, sport shirts, gym shirts, etc. 388,742; July 8; Serial No. 440,444; published Apr. 29, 1941. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods. 388,785; July 8; Serial No. 441,307; published Apr. 29, 1941. Class 42.

Chase, Jules, doing business as Chase Underwear Co., New York, N. Y. Panties. 388,745; July 8; Serial No. 440,489; published Apr. 29, 1941. Class 39.

Chefford Master Manufacturing Co., Inc., Fairfield, Ill. Machinery bearings. 388,757; July 8; Serial No. 440,774; published Apr. 22, 1941. Class 23.

Chicago Belting Company, Chicago, Ill. Synthetic rubber packing. 388,786; July 8; Serial No. 441,308; published Apr. 29, 1941. Class 35.

Chicago Mail Order Company, Chicago, Ill. Men's, women's, and children's leather shoes. 388,736; July 8; Serial No. 440,083; published Apr. 22, 1941. Class 39.

Chipman Knitting Mills, Easton, to Chipman Knitting Mill, Spring Grove, Easton, Pa. Ladies' hosiery. 147,956; renewed Nov. 8, 1941.

Citizens Wholesale Supply Co., The, Columbus, Ohio. Filter-papers, paraffin-wax papers, and toilet-papers. 146,196; renewed Sept. 6, 1941.

Citizens' Wholesale Supply Co., The, Columbus, O. Cleanser, sanitary dish-washing compound, automobile-soap and metal polish. 147,961; renewed Nov. 8, 1941.

Cleaver Manufacturing Company, Pendleton, to Cleaver Manufacturing Company, Portland, Oreg. Liquid black coal-tar paint. 144,369; renewed July 5, 1941.

Columbia Recording Corporation, New York, N. Y. Phonograph needles. 388,699–700; July 8; Serial Nos. 434,630–1; published Apr. 22, 1941. Class 36.

Columbia Ribbon & Carbon Manufacturing Co., Inc., Glen Cove, N. Y. Carbon paper. 388,795; July 8; Serial No. 441,763; published Apr. 29, 1941. Class 11.

Compañia Licorera Julia. (See Julia, Angel P.)

Corn Products Refining Company, New York, N. Y. Starch for manufacturing and laundry purposes. 147,972; renewed Nov. 8, 1941.

Craddock-Terry Company to Craddock-Terry Shoe Corporation, Lynchburg, Va. Leather shoes. 148,383; renewed Nov. 15, 1941.

Dalton Foundries, Inc., The, Warsaw, Ind. Automobile lifting jacks. 388,727; July 8; Serial No. 439,602; published Apr. 22, 1941. Class 23.

Davidson Manufacturing Corporation, Chicago, Ill. Drawing ink. 388,743; July 8; Serial No. 440,459; published Apr. 22, 1941. Class 11.

Davison Chemical Corporation, The, Baltimore, Md. Plug or article for use in screwing in place or positioning in cylinder heads. 388,710; July 8; Serial No. 437,060; published Apr. 29, 1941. Class 23.

Davison Chemical Corporation, The, Baltimore, Md. Plug or article for use in screwing in place or positioning in cylinder heads. 388,711; July 8; Serial No. 437,196; published Apr. 29, 1941. Class 23.

Delegation of Meat Packers of Poland, Inc., New York, N. Y. Canned cooked ham. 388,746; July 8; Serial No. 440,497; published Apr. 29, 1941. Class 46.

Devonshire Jr. Inc., New York, N. Y. Dresses and dress ensembles. 388,809; July 8. Class 39.

Dexdale Hosiery Mills, Lansdale, Pa. Hosiery. 388,802–3; July 8. Class 39.

Ditzler Color Company, Detroit, Mich. Paste and dry paints, varnishes, primers, etc. 148,390; renewed Nov. 15, 1941.

Domecq, Pedro, y Cia., Jerez de la Frontera, Spain. Wines. 388,708; July 8; Serial No. 436,598; published Apr. 29, 1941. Class 47.

Dri-Ped Limited, Bolton, England. Leather and skins. 388,695; July 8; Serial No. 432,246; published Apr. 29, 1941. Class 1.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic cameras. 388,781; July 8; Serial No. 441,280; published Apr. 29, 1941. Class 26.

Einstein, Samuel M., to Marathon Co., successor, Attleboro, Mass. Jewelry and precious-metal ware. 148,005; renewed Nov. 8, 1941.

Emeloid Co., The, Inc., Arlington, N. J. Plastic knives, plastic table crumbers. 388,761; July 8; Serial No. 440,811; published Apr. 22, 1941. Class 23.

Epiphone, Inc., New York, N. Y. Electric guitars. 388,731; July 8; Serial No. 439,963; published Apr. 22, 1941. Class 36.

Etchison Hat Company, Inc., Richmond, Va. Hats and caps. 148,400; renewed Nov. 15, 1941.

Federal Tool & Alloy Steel Corporation, by merger to Swedish Iron & Steel Corporation, New York, N. Y. Iron and steel. 142,522; renewed May 17, 1941.

Fetterman, Oscar B., doing business as Stikit Wikit Company, Washington, D. C. Fence wickets. 388,753; July 8; Serial No. 440,716; published Apr. 29, 1941. Class 13.

Fischer, Philip, Chicago, Ill. Developed motion picture film. 388,729; July 8; Serial No. 439,808; published Apr. 22, 1941. Class 26.

Florence Manufacturing Company, Florence, Mass., New York, N. Y., and Chicago, Ill., assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth brushes. 20,086; re-renewed Aug. 25, 1941.

Flour Mills of America, Inc. (See Kansas Flour Mills Company, assignor.)

Folger, J. A., & Company, Kansas City, Mo. Coffee. 388,719; July 8; Serial No. 439,435; published Apr. 29, 1941. Class 46.

Fooks, B. T., Manufacturing Company. (See Goldberg, David N., assignor.)

Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 143,605; renewed June 7, 1941.

Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 143,607–9; renewed June 7, 1941.

Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 143,611; renewed June 7, 1941.

Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 143,949; renewed June 21, 1941.

Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 143,950; renewed June 7, 1941.

Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 143,951; renewed June 21, 1941.

General Aniline & Film Corporation, New York, N. Y. Light-sensitive photographic material. 388,782; July 8; Serial No. 441,284; published Apr. 29, 1941. Class 26.

Genung, Chas. W., Madison, Ohio, assignor, by mesne assignments, to S. L. Allen & Co., Inc., Philadelphia, Pa. Agricultural implements. 144,217; renewed June 28, 1941.

Gernes Garment Company, Inc., The, Kansas City, Mo. Dresses, playsuits, skirts, etc. 388,752; July 8; Serial No. 440,685; published Apr. 29, 1941. Class 39.

Goldberg, David N., assignor, by mesne assignments, to B. T. Fooks Manufacturing Company, Camden, Ark. Non-alcoholic maltless fruit beverage. 145,370; renewed Aug. 2, 1941.

Goldfarb, Samuel J., New York, N. Y. Dresses and coats. 388,766; July 8; Serial No. 440,985; published Apr. 29, 1941. Class 39.

Goldy, Samuel, New York, N. Y. Fabric measuring and examining machine. 388,823; July 8. Class 26.

Gooch Food Products Company, Lincoln, Nebr. Spaghetti and spaghetti sauce. 388,821; July 8. Class 46.

Goodall Worsted Company. (See Lesher, Whitman & Co.)

Goudey Gum Co., The, Boston, to Goudey Gum Company, The, Allston, Mass. Chewing gum. 148,056; renewed Nov. 8, 1941.

Green & Green, Houston, Tex. Extracts, syrups, and concentrates. 388,787; July 8; Serial No. 441,317; published Apr. 29, 1941. Class 45.

HD Electric Co., Chicago, Ill. Meters. 388,704; July 8; Serial No. 435,901; published Dec. 17, 1940. Class 26.

Hall Planetary Company, The, Philadelphia, Pa. Machine tool arbors. 388,767; July 8; Serial No. 440,987; published Apr. 22, 1941. Class 23.

Hardcote Process Company. (See Salzer, Theodore O.)

Hearst Magazines Inc. (See International Magazine Company.)

Hellman, Max, doing business as Hellman & Hellman, New York, N. Y. Dresses, blouses, skirts, etc. 388,812; July 8. Class 39.

International Braid Company, Providence, R. I. Braids for lacings. 388,694; July 8; Serial No. 431,652; published Apr. 8, 1941. Class 40.

International Business Machines Corporation, Endicott, N. Y. Time stamps. 388,696; July 8; Serial No. 433,046; published Apr. 22, 1941. Class 26.

International Magazine Company, to Hearst Magazines Inc., New York, N. Y., by merger. A biweekly magazine or pamphlet. 148,089; renewed Nov. 8, 1941.

Interprovincial Flour Mills, Ltd., Saskatoon, Saskatchewan, assignor to Robin Hood Flour Mills Limited, Moose Jaw, Saskatchewan, Canada. Wheat-flour. 144,810–11; renewed July 19, 1941.

Jackson Brewing Company, New Orleans, La. Non-alcoholic cereal beverage. 148,451; renewed Nov. 15, 1941.

Jefferson Electric Company, Bellwood, Ill. Electrical transformers. 388,707; July 8; Serial No. 436,473; published Apr. 29, 1941. Class 21.

Jelenko, J. F., & Co. Inc., New York, N. Y. Dental impression and rebasing material. 388,792; July 8; Serial No. 441,472; published Apr. 29, 1941. Class 44.

Joseph & Feiss Company, The, Cleveland, Ohio. Topcoats and overcoats. 388,799; July 8. Class 39.

Julia, Angel P., doing business as Compañia Licorera Julia, Santurce, P. R. Rum. 388,820; July 8. Class 49.

Kansas Flour Mills Company, The, Sleepy Eye, Minn., assignor, by mesne assignments, to Flour Mills of America, Inc., Kansas City, Mo. Wheat-flour. 143,712; renewed June 7, 1941.

Kelly-Wheaton Company, Toledo, Ohio. Dispensing tools. 388,709; July 8; Serial No. 437,039; published Apr. 29, 1941. Class 23.

Klein, Cletus A., Caro, Mich. Cranes for automobile wreckers. 388,693; July 8; Serial No. 429,586; published Apr. 22, 1941. Class 23.

Laura Hair Novelty Co. (See Thau, Charles K.)

Leighton Hats, Inc., New York, N. Y. Ladies' hats. 388,816; July 8. Class 39.

Lesser, Whitman & Co., Inc., New York, N. Y., to Goodall Worsted Company, Sanford, Maine, successor. Piece goods. 148,133; renewed Nov. 8, 1941.

Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. 388,793; July 8; Serial No. 441,475; published Apr. 29, 1941. Class 14.

Lloyd Products Company, The, Providence, R. I. Sockets for gas filled electrically energized lamps and starters for such lamps. 388,814; July 8. Class 21.

Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind hardware. 388,750–1; July 8; Serial Nos. 440,629–30; published Apr. 29, 1941. Class 13.

Marshall-Wells Company, Duluth, Minn. Generators, spark plugs, generator brushes, etc. 388,703; July 8; Serial No. 435,801; published Apr. 29, 1941. Class 21.

Marshall-Wells Company, doing business as Ol' Reliable Sporting Goods Co., Duluth, Minn. Footballs, boxing gloves, fishing tackle, skates, etc. 388,815; July 8. Class 22.

Master Electric Company, The, Dayton, Ohio. Automatic electric controls. 388,690; July 8; Serial No. 421,887; published Apr. 22, 1941. Class 26.

Master Rule Mfg. Co. Inc., New York, N. Y. Rules, folding rules, and extension rules. 388,720; July 8; Serial No. 439,520; published Apr. 22, 1941. Class 26.

McCoy, Jones & Company, Inc., Chicago, Ill. Raincoats, raincapes, aprons, etc. 388,754; July 8; Serial No. 440,727; published Apr. 22, 1941. Class 39.

McGill Manufacturing Company, Valparaiso, Ind. Electric-lamp guards. 148,150; renewed Nov. 8, 1941.

McGraw Electric Company, Elgin, Ill. Advertising display stands. 388,705; July 8; Serial No. 436,276; published Apr. 29, 1941. Class 32.

Measurement Methods Company, Chicago, Ill. Instruments for indicating rate of use of fuel oil, etc. 388,762; July 8; Serial No. 440,825; published Apr. 22, 1941. Class 26.

Meyer Brothers Drug Company, St. Louis, Mo. Medicines, chemicals and pharmaceutical preparations. 147,012; renewed Sept. 27, 1941.

Michelson, A., doing business as National Citrus & Produce Co., Los Angeles, Calif. Fresh citrus fruit. 388,753; July 8; Serial No. 440,728; published Apr. 29, 1941. Class 46.

Modern Manufacturing Co., Inc., New York, N. Y. Dresses, house dresses, and pajamas. 388,810; July 8. Class 39.

Mulford, H. K., Co., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Chemical, medicinal, and pharmaceutical preparations. 144,013; renewed June 21, 1941.

National Blank Book Co., assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf and bound blank books and indexes. 148,173; renewed Nov. 8, 1941.

National Cash Register Company, The, Dayton, Ohio. Cash registers, credit registers, autographic registers, accounting machines, etc. 388,773; July 8; Serial No. 441,172; published Apr. 22, 1941. Class 26.

National Citrus & Produce Co. (See Michelson, A.)

National Distillers Products Corporation, New York, N. Y. Wine. 388,772; July 8; Serial No. 441,139; published Apr. 29, 1941. Class 47.

National Gypsum Company, Buffalo, N. Y. Nails. 388,796; July 8. Class 13.

National Oil Products Company, Harrison, N. J. Blend of fish oils and fish liver oils. 388,706; July 8; Serial No. 436,435; published Apr. 29, 1941. Class 46.

National Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 388,801; July 8. Class 39.

National Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 388,824; July 8. Class 39.

Nelson, John H., doing business as Nelson Laboratories, Stockton, Calif. Nitrogen fixing bacteria for legume seed inoculation. 388,715; July 8; Serial No. 439,052; published Apr. 22, 1941. Class 10.

New South Flour Co. (See Ballard & Ballard Company, Incorporated.)

New York Quebracho Extract Company, New York, N. Y., by change of name to The Tannin Corporation. Tanning extracts. 147,143; renewed Oct. 4, 1941.

New York Quebracho Extract Company, New York, N. Y., by change of name to The Tannin Corporation. Tanning extracts. 147,377–9; renewed Oct. 11, 1941.

New York Quebracho Extract Company, New York, N. Y., by change of name to The Tannin Corporation. Mordants for textiles. 147,380; renewed Oct. 11, 1941.

New York Quebracho Extract Company, New York, N. Y., by change of name to The Tannin Corporation. Tanning extracts. 147,381; renewed Oct. 11, 1941.

Ohio Match Company, The, Wadsworth, Ohio. Steel wool and soap cleaning pads. 388,788; July 8; Serial No. 441,323; published Apr. 29, 1941. Class 4.

Old Hickory Furniture Company, Martinsville, Ind. Furniture. 388,769; July 8; Serial No. 441,033; published Apr. 29, 1941. Class 32.

Ol'Reliable Sporting Goods Co. (See Marshall-Wells Company.)

Ottens, Henry H., Mfg. Co., Inc., Philadelphia, Pa. Powders for confectioner's use, flavoring extracts, pie fillings, etc. 148,500; renewed Nov. 15, 1941.

Pako Corporation, Minneapolis, Minn. Photographic apparatus and equipment. 388,732; July 8; Serial No. 440,019; published Apr. 29, 1941. Class 26.

Panther-Panco Rubber Co. Inc., Chelsea, Mass. Rubber soles and taps. 388,804; July 8. Class 39.

Patek Brothers, assignor to Patek Brothers, Inc., Milwaukee, Wis. Paints, enamels, colors, etc. 148,505; renewed Nov. 15, 1941.

Phillips Screw Company, Wilmington, Del., and Portland, Oreg. Screw drivers and screws in combination. 388,797–8; July 8. Class 23.

Polaroid Corporation, Cambridge, Mass. Stereoscopic viewers and the like. 388,721; July 8; Serial No. 439,552; published Apr. 22, 1941. Class 26.

Polaroid Corporation, Cambridge, Mass. Electric lamps. 388,722; July 8; Serial No. 439,556; published Apr. 29, 1941. Class 21.

Premier Textile Corp., New York, N. Y. Bed sheets, pillow cases, bed spreads, etc. 388,819; July 8. Class 42.

Procter & Gamble Company, The, Cincinnati, Ohio. Cooking-fats. 147,810; renewed Nov. 1, 1941.

Procter and Gamble Company, The, Cincinnati, Ohio. Edible cocoanut-oil. 148,218; renewed Nov. 8, 1941.

Pro-phy-lac-tic Brush Company. (See Florence Manufacturing Company, assignor.)

Quaker Oats Company, The, Chicago, Ill. Wheat-flour and rolled oats. 148,222; renewed Nov. 8, 1941.

Reilly, Frank C., New York, N. Y. Spark plugs. 388,776; July 8; Serial No. 441,214; published Apr. 29, 1941. Class 21.

Rhode Island Warp Stop Equipment Company, Pawtucket, R. I. Stop-motions for looms and warping machines, and drop wires, heddies and appurtenances thereto. 388,758; July 8; Serial No. 440,789; published Apr. 22, 1941. Class 23.

Richter Bros., Los Angeles, Calif. Coffee making equipment. 388,811; July 8. Class 13.

Robin Hood Flour Mills Limited. (See Interprovincial Flour Mills Ltd., assignor.)

Roma Wine Company, Inc., Fresno, Calif. Wines. 388,756; July 8; Serial No. 440,757; published Apr. 29, 1941. Class 47.

Rose, Henry, Stores, Inc., New York, N. Y. Hats. 388,759; July 8; Serial No. 440,791; published Apr. 22, 1941. Class 39.

Rosenberg Bros. & Co., San Francisco, Calif. Rice. 388,805; July 8. Class 46.

Rueckheim Bros. & Eckstein, assignor, by mesne assignments, to Angelus-Campfire Company, Chicago, Ill. Marshmallows, chocolates, fudge, etc. 148,245; renewed Nov. 8, 1941.

Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 388,717; July 8; Serial No. 439,115; published Apr. 29, 1941. Class 46.

Saffer, Louis, Co., Inc., New York, N. Y. Suits, trousers, jackets, etc. 388,789; July 8; Serial No. 441,329; published Apr. 29, 1941. Class 39.

Salzer, Theodore O., doing business as Hardcote Process Company, Milwaukee, Wis. Steel, tool steel, and high speed steel. 388,806; July 8. Class 14.

Sanders, Albert R., Madison, Wis. Women's leg ornaments to be worn under hosiery. 388,698; July 8; Serial No. 433,726; published Apr. 29, 1941. Class 40.

Sandess Manufacturing Company, Philadelphia, Pa. Clothing. 388,718; July 8; Serial No. 439,177; published Apr. 29, 1941. Class 39.

Scheidt, Adam, Brewing Company, Norristown, Pa. Lager-beer. 142,749; renewed May 17, 1941.

Sears, Roebuck and Co., Chicago, Ill. Corsets. 142,329; renewed May 10, 1941.

Sears, Roebuck and Co., Chicago, Ill. Corsets. 143,165; renewed May 24, 1941.

Seis, August G., Jr., doing business as The Tewa Weaving Industry, Isleta, N. Mex. Neckties. 388,744; July 8; Serial No. 440,474; published Apr. 22, 1941. Class 39.

Shapleigh Hardware Company. (See Simmons Hardware Company, assignor.)

Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Liquid medicinal antiseptic for hypodermic medication. 144,053; renewed June 21, 1941.

Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Antiseptic lubricating jelly. 145,811; renewed Aug. 16, 1941.

Sharp & Dohme, Incorporated. (See Mulford, H. K., Co., assignor.)

Sigler, Charles E., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 388,779; July 8; Serial No. 441,261; published Apr. 29, 1941. Class 42.

Simmons Hardware Company, assignor to Shapleigh Hardware Company, St. Louis, Mo. Razor-strops. 144,936; renewed July 19, 1941.

Singer Manufacturing Company, The, Elizabeth, N. J. Electric scissors and shears. 388,712; July 8; Serial No. 437,455; published Apr. 22, 1941. Class 21.

Skilsaw, Incorporated, Chicago, Ill. Rotary floor edging sanding machines. 388,765; July 8; Serial No. 440,963; published Apr. 22, 1941. Class 23.

Skinner, William, & Sons, New York, N. Y., and Holyoke, Mass. Silk and satin goods in the piece. 146,363; renewed Sept. 6, 1941.

Smith, Landon P., Inc., Irvington, N. J. Combination mechanical and steaming wall paper removers. 388,723; July 8; Serial No. 439,565; published Apr. 22, 1941. Class 23.

Smith, Landon P., Inc., Irvington, N. J. Steaming wall paper removers. 388,724; July 8; Serial No 439,566; published Apr. 22, 1941. Class 23.

Squirt Company, The, Beverly Hills, Calif. Fresh citrus fruits and canned fruit juices. 388,777; July 8; Serial No. 441,218; published Apr. 29, 1941. Class 46.

Squirt Company, The, Beverly Hills, Calif., and Milwaukee, Wis. Non-alcoholic beverages and bases and concentrates and sirups and extracts for making same. 388,791; July 8; Serial No. 441,452; published Apr. 29, 1941. Class 45.

Standard Tire Company, The, assignor to The Standard Rubber Company, Willoughby, Ohio. Rubber vehicle-tires. 145,819; renewed Aug. 16, 1941.

Star-Maid Dresses, Inc., New York, N. Y. Dresses, blouses, skirts, etc. 388,749; July 8; Serial No. 440,565; published Apr. 29, 1941. Class 39.

Steckler, Nat P., New York, N. Y. Ear drum protectors, eye cups, throat swabs, etc. 388,688; July 8; Serial No. 415,196; published Apr. 29, 1941. Class 44.

Stein, A., & Company, Chicago, Ill. Dress shields. 388,733; July 8; Serial No. 440,026; published Apr. 22, 1941. Class 40.

Stein, A., & Company, Chicago, Ill. Dress shields and shoulder straps. 388,734; July 8; Serial No. 440,028; published Apr. 22, 1941. Class 40.

Stein, Joseph, Coats, Inc, New York, N. Y. Ladies' and misses' coats, suits. 388,702; July 8; Serial No. 435,097; published Apr. 15, 1941. Class 39.

Stewart-Warner Corporation, Chicago, Ill. Fluid operated jacks. 388,692; July 8; Serial No. 428,934; published Apr. 29, 1941. Class 23.

Stikit Wikit Company. (See Fetterman, Oscar B.)

Superkleen Co., New York, N. Y. Chemical compound for removing stains. 388,770; July 8; Serial No. 441,038; published Apr. 29, 1941. Class 4.

Swedish Iron & Steel Corporation. (See Federal Tool & Alloy Steel Corporation.)

Swift and Company, Chicago, Ill. Toilet soaps. 148,278; renewed Nov. 8, 1941.

Tager, Charles I., Chicago, Ill. Stapling machines. 388,728; July 8; Serial No. 439,733; published Apr. 22, 1941. Class 23.

Tannin Corporation, The. (See New York Quebracho Extract Company.)

Taylor-Freeman-Stanley, Incorporated, New York, N. Y. Reeds. 388,774; July 8; Serial No. 441,186; published Apr. 22, 1941. Class 36.

Tenney, Albert B., Boston, Mass. Outdoor furniture. 388,735; July 8; Serial No. 441,836; published Apr. 29, 1941. Class 32.

Terry, Herbert, & Sons, Ltd., Redditch, England. Articles of hardware. 144,066; renewed June 21, 1941.

Tewa Weaving Industry, The. (See Seis, August G., Jr.)

Texco Battery Charger Company, Inc., Dallas, Tex. Electric battery chargers. 388,790; July 8; Serial No. 441,379; published Apr. 29, 1941. Class 21.

Thau, Charles K., doing business as Laura Hair Novelty Co., New York, N. Y. Hair-nets. 147,177–8; renewed Oct. 4, 1941.

Titmus Optical Co., Inc., Petersburg, Va. Optical lenses. 148,546; renewed Nov. 15, 1941.

Tomlinson of High Point, High Point, N. C. Articles of furniture. 388,689; July 8; Serial No. 418,456; published Apr. 29, 1941. Class 32.

Transogram Company, Inc., New York, N. Y. Toy crayon sets, toy paint sets, and toy marking chalk. 388,780; July 8; Serial No. 441,265; published Apr. 29, 1941. Class 22.

United Fertilizer Company, Carrollville, Wis. Fertilizers. 147,825; renewed Nov. 1, 1941.

U. S. Industrial Alcohol Co., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Compositions containing alcohol for bathing and other external uses. 148,287–8; renewed Nov. 8, 1941.

United States Rubber Company, New York, N. Y. Heels and lifts. 388,737; July 8; Serial No. 440,299; published Apr. 22, 1941. Class 39.

United States Smelting Refining and Mining Company, Boston, Mass. Zinc in slabs or pigs. 388,763; July 8; Serial No. 440,843; published Apr. 29, 1941. Class 14.

Universal Stamping Machine Company, Stamford, Conn. Postmarking, metering, and other machines. 145,199; renewed July 26, 1941.

Vigitrol Corporation, New York, N. Y. Thermostat switches. 388,730; July 8; Serial No. 439,850; published Apr. 22, 1941. Class 26.

Waggoner, Norman L., Inc., San Francisco, Calif. Canned fruits, canned vegetables, canned olives. 388,697; July 8; Serial No. 433,683; published Sept. 3, 1940. Class 46.

Wellington Sears Company, Incorporated, New York, N. Y. Piece goods. 388,701; July 8; Serial No. 434,957; published Apr. 29, 1941. Class 42.

Wells Lamont Smith Corporation, Chicago, Ill. Work gloves. 388,726; July 8; Serial No. 439,643; published Apr. 22, 1941. Class 39.

White, J. J., Paper Company, Canton, Mass. Waterproof papers. 146,406; renewed Sept. 6, 1941.

Woodward & Lothrop, Washington, D. C. Ma tresses and pillows. 388,813; July 8. Class 32.

Zagat, Samuel, Lakeside, Conn. Range finders for cameras. 388,713; July 8; Serial No. 438,754; published Apr. 29, 1941. Class 26.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 388,771; July 8; Serial No. 441,118; published Apr. 22, 1941. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather and skins. Dri-Ped Limited. 388,695; July 8; Serial No. 432,246; published Apr. 29, 1941.

CLASS 3

Key cases, purses, billfolds, Leather. Buxton, Incorporated. 388,800; July 8, 1941.

CLASS 4

Chemical compound for removing stains. Superkleen Co. 388,770; July 8; Serial No. 441,038; published Apr. 29, 1941.

Cleanser, sanitary dish-washing compound, automobile-soap and metal polish. Citizens' Wholesale Supply Co. 147,961; renewed Nov. 8, 1941.

Razor-strops. Simmons Hardware Company. 144,936; renewed July 19, 1941.

Soaps, Toilet. Swift and Company. 148,278; renewed Nov. 8, 1941.

Steel wool and soap cleaning pads. Ohio Match Company. 388,788; July 8; Serial No. 441,323; published Apr. 29, 1941.

CLASS 6

Antiseptic lubricating jelly. Sharp & Dohme. 145,811; renewed Aug. 16, 1941.

Chemical, medicinal, and pharmaceutical preparations. H. K. Mulford Co. 144,013; renewed June 21, 1941.
Compositions containing alcohol. U. S. Industrial Alcohol Co. 148,287–8; renewed Nov. 8, 1941.
Medicinal antiseptic, Liquid. Sharp & Dohme. 144,053; renewed June 21, 1941.
Medicines, chemicals, and pharmaceutical preparations. Meyer Brothers Drug Company. 147,012; renewed Sept. 27, 1941.
Mordants for textiles. New York Quebracho Extract Company. 147,380; renewed Oct. 11, 1941.
Starch for manufacturing and laundry purposes. Corn Products Refining Company. 147,972; renewed Nov. 8, 1941.
Tanning extracts. New York Quebracho Extract Company. 147,143; renewed Oct. 4, 1941.
Tanning extracts. New York Quebracho Extract Company. 147,377–9; renewed Oct. 11, 1941.
Tanning extracts. New York Quebracho Extract Company. 147,381; renewed Oct. 11, 1941.

CLASS 10

Fertilizers. United Fertilizer Company. 147,825; renewed Nov. 1, 1941.
Nitrogen fixing bacteria for legume seed innoculation. J. H. Nelson. 388,715; July 8; Serial No. 439,052; published Apr. 22, 1941.

CLASS 11

Carbon paper. Columbia Ribbon & Carbon Manufacturing Co. 388,795; July 8; Serial No. 441,763; published Apr. 29, 1941.
Ink, Drawing. Davidson Manufacturing Corporation. 388,743; July 8; Serial No. 440,459; published Apr. 22, 1941.

CLASS 13

Coffee making equipment. Richter Bros. 388,811; July 8.
Fence wickets. O. B. Fetterman. 388,753; July 8; Serial No. 440,716; published Apr. 29, 1941.
Hardware, Articles of. Herbert Terry & Sons, Ltd. 144,066; renewed June 21, 1941.
Nails. National Gypsum Company. 388,796; July 8.
Venetian blind hardware. Lorentzen Hardware Mf'g. Corp. 388,750–1; July 8; Serial No. 440,629–30; published Apr. 29, 1941.

CLASS 14

Iron and steel. Federal Tool & Alloy Steel Corporation. 142,522; renewed May 17, 1941.
Iron, Products of pure. American Rolling Mill Company. 148,346; renewed Nov. 15, 1941.
Metallic welding electrodes. Lincoln Electric Company. 388,793; July 8; Serial No. 441,475; published Apr. 29, 1941.
Steel, tool steel, and high speed steel. Theodore O. Salzer. 388,806; July 8.
Zinc in slabs or pigs. United States Smelting Refining and Mining Company. 388,763; July 8; Serial No. 440,843; published Apr. 29, 1941.

CLASS 16

Paint, Liquid black coal-tar. Cleaver Manufacturing Company. 144,369; renewed July 5, 1941.
Paints, enamels, colors, etc. Patek Brothers. 148,505; renewed Nov. 15, 1941.
Paints, varnishes, primers, etc. Ditzler Color Company. 148,390; renewed Nov. 15, 1941.

CLASS 19

Airplanes and structural parts thereof. Bell Aircraft Corporation. 388,739–40; July 8; Serial Nos. 440,310–11; published Apr. 29, 1941.

CLASS 21

Apparatus used in conjunction with radio. Automatic Radio Manufacturing Co. 388,808; July 8.
Battery chargers, Electric. Texco Battery Charger Company. 388,790; July 8; Serial No. 441,379; published Apr. 29, 1941.
Electric scissors and shears. Singer Manufacturing Company. 388,712; July 8; Serial No. 437,455; published Apr. 22, 1941.
Electrical transformers. Jefferson Electric Company. 388,707; July 8; Serial No. 436,473; published Apr. 29, 1941.
Generators, spark plugs, generator brushes, etc. Marshall-Wells Company. 388,703; July 8; Serial No. 435,801; published Apr. 29, 1941.
Lamp guards, Electric. McGill Manufacturing Company. 148,150; renewed Nov. 8, 1941.
Lamps, Electric. Polaroid Corporation. 388,722; July 8; Serial No. 439,556; published Apr. 29, 1941.
Radio and television receiving sets and parts thereof. Zenith Radio Corporation. 388,771; July 8; Serial No. 441,118; published Apr. 22, 1941.
Sockets for gas filled electrically energized lamps and starters for such lamps. Lloyd Products Company. 388,814; July 8.
Spark plugs. F. C. Reilly. 388,776; July 8; Serial No. 441,214; published Apr. 29, 1941.

CLASS 22

Footballs, boxing gloves, fishing tackle, skates, etc. Marshall-Wells Company. 388,815; July 8.
Game, Table. Milton Bradley Company. 388,794; July 8; Serial No. 441,601; published Apr. 29, 1941.
Toy crayon sets, toy paint sets, and toy marking chalk. Transogram Company. 388,780; July 8; Serial No. 441,265; published Apr. 29, 1941.

CLASS 23

Arbors, Machine tool. Hall Planetary Company. 388,767; July 8; Serial No. 440,987; published Apr. 22, 1941.
Automobile parts. Automotive Replacements, Inc. 388,822; July 8.
Bearings, Machinery. Chefford Master Manufacturing Co. 388,757; July 8; Serial No. 440,774; published Apr. 22, 1941.
Cranes for automobile wreckers. C. A. Klein. 388,693; July 8; Serial No. 429,586; published Apr. 22, 1941.
Implements, Agricultural. Chas. W. Genung. 144,217; renewed June 28, 1941.
Jacks, Automobile lifting. Dalton Foundries, Inc. 388,727; July 8; Serial No. 439,692; published Apr. 22, 1941.
Jacks, Fluid operated. Stewart-Warner Corporation. 388,692; July 8; Serial No. 428,934; published Apr. 29, 1941.
Knives, plastic table crumbers, Plastic. Emeloid Co. 388,761; July 8; Serial No. 440,811; published Apr. 22, 1941.
Machinery, Metal-working, sugar-making, rice and grain treating, and other. Buffalo Forge Company. 147,943; renewed Nov. 8, 1941.
Mechanical and steaming wall paper removers, Combination. Landon P. Smith, Inc. 388,723; July 8; Serial No. 439,565; published Apr. 22, 1941.
Plug or article for use in screwing in place or positioning in cylinder heads. Davison Chemical Corporation. 388,710; July 8; Serial No. 437,060; published Apr. 29, 1941.
Plug or article for use in screwing in place or positioning in cylinder heads. Davison Chemical Corporation. 388,711; July 8; Serial No. 437,196; published Apr. 29, 1941.
Pulleys, Fiber. American Pulley Company. 388,807; July 8.
Sanding machines, Rotary floor edging. Skilsaw, Incorporated. 388,765; July 8; Serial No. 440,963; published Apr. 22, 1941.
Saw blades, Hack. Capewell Manufacturing Company. 388,778; July 8; Serial No. 441,229; published Apr. 29, 1941.
Screw drivers and screws in combination. Phillips Screw Company. 388,797–8; July 8.
Stapling machines. C. I. Tager. 388,728; July 8; Serial No. 439,733; published Apr. 22, 1941.
Steaming wall paper removers. Landon P. Smith, Inc. 388,724; July 8; Serial No. 439,566; published Apr. 22, 1941.
Stop-motions for looms and warping machines, and drop wires, heddles and appurtenances thereto. Rhode Island Warp Stop Equipment Company. 388,758; July 8; Serial No. 440,789; published Apr. 22, 1941.
Tools, Dispensing. Kelly-Wheaton Company. 388,709; July 8; Serial No. 437,039; published Apr. 29, 1941.

CLASS 26

Controls, Automatic electric. Master Electric Company. 388,690; July 8; Serial No. 421,887; published Apr. 22, 1941.
Film, Developed motion picture. P. Fischer. 388,729; July 8; Serial No. 439,808; published Apr. 22, 1941.
Instruments for indicating rate of use of fuel oil, etc. Measurement Methods Company. 388,762; July 8; Serial No. 440,825; published Apr. 22, 1941.
Lenses, Optical. Titmus Optical Co. 148,546; renewed Nov. 15, 1941.
Measuring and examining machine, Fabric. S. Goldy. 388,823; July 8.
Meters. IID Electric Co. 388,704; July 8; Serial No. 435,901; published Dec. 17, 1940.
Photographic apparatus and equipment. Pako Corporation. 388,732; July 8; Serial No. 440,019; published Apr. 29, 1941.
Photographic cameras. Eastman Kodak Company. 388,781; July 8; Serial No. 441,280; published Apr. 29, 1941.
Photographic material, Light-sensitive. General Aniline & Film Corporation. 388,782; July 8; Serial No. 441,284; published Apr. 29, 1941.
Postmarking, metering, and other machines. Universal Stamping Machine Company. 145,199; renewed July 26, 1941.
Range finders for cameras. S. Zagat. 388,713; July 8; Serial No. 438,254; published Apr. 29, 1941.
Registers, credit registers, autographic registers, etc., Cash. National Cash Register Company. 388,773; July 8; Serial No. 441,172; published Apr. 22, 1941.
Rules, folding rules, and extension rules. Master Rule Mfg. Co. Inc. 388,720; July 8; Serial No. 439,520; published Apr. 22, 1941.
Stereoscopic viewers and the like. Polaroid Corporation. 388,721; July 8; Serial No. 439,552; published Apr. 22, 1941.
Sunglasses, sunglass lenses and blanks for such lenses. American Optical Company. 388,784; July 8; Serial No. 441,298; published Apr. 29, 1941.

Switches, Thermostat. Vigitrol Corporation. 388,730; July 8; Serial No. 439,850; published Apr. 22, 1941.
Time stamps. International Business Machines Corporation. 388,696; July 8; Serial No. 433,046; published Apr. 22, 1941.

CLASS 28

Jewelry and precious-metal ware. S. M. Einstein. 148,005; renewed Nov. 8, 1941.

CLASS 29

Brushes, Tooth. Florence Manufacturing Company. 20,086; re-renewed Aug. 25, 1941.

CLASS 32

Furniture. Old Hickory Furniture Company. 388,769; July 8; Serial No. 441,033; published Apr. 29, 1941.
Furniture, Articles of. Tomlinson of High Point. 388,689; July 8; Serial No. 418,456; published Apr. 29, 1941.
Furniture, Outdoor. A. B. Tenney. 388,735; July 8; Serial No. 441,836; published Apr. 29, 1941.
Mattresses and pillows. Woodward & Lothrop. 388,813; July 8.
Stands, Advertising display. McGraw Electric Company. 388,705; July 8; Serial No. 436,276; published Apr. 29, 1941.

CLASS 35

Packing, Synthetic rubber. Chicago Belting Company. 388,786; July 8; Serial No. 441,308; published Apr. 29, 1941.
Tires, Rubber vehicle. Standard Tire Company. 145,819; renewed Aug. 16, 1941.

CLASS 36

Guitars, Electric. Epiphone, Inc. 388,731; July 8; Serial No. 439,963; published Apr. 22, 1941.
Phonograph needles. Columbia Recording Corporation. 388,699–700; July 8; Serial Nos. 434,630–1; published Apr. 22, 1941.
Reeds. Taylor-Freeman-Stanley, Incorporated. 388,774; July 8; Serial No. 441,186; published Apr. 22, 1941.

CLASS 37

Books and indexes, Loose-leaf and bound blank. National Blank Book Co. 148,173; renewed Nov. 8, 1941.
Papers, filter, paraffin wax, and toilet. Citizens Wholesale Supply Co. 146,196; renewed Sept. 6, 1941.
Papers, Waterproof. J. J. White Paper Company. 146,406; renewed Sept. 6, 1941.
Papers, Writing, printing, blotting, etc. Albemarle Paper Manufacturing Company. 148,343; renewed Nov. 15, 1941.

CLASS 38

Magazine or pamphlet. International Magazine Company. 148,089; renewed Nov. 8, 1941.

CLASS 39

Clothing. Sandess Manufacturing Company. 388,718; July 8; Serial No. 439,177; published Apr. 29, 1941.
Coats and suits. Allied Stores Corporation. 388,783; July 8; Serial No. 441,296; published Apr. 29, 1941.
Coats, suits. Joseph Stein Coats, Inc. 388,702; July 8; Serial No. 435,097; published Apr. 15, 1941.
Corsets. Sears, Roebuck and Co. 142,329; renewed May 10, 1941.
Corsets. Sears, Roebuck and Co. 143,165; renewed May 24, 1941.
Dresses and coats. S. J. Goldfarb. 388,766; July 8; Serial No. 440,985; published Apr. 29, 1941.
Dresses and dress and jacket ensembles. Buntly Frocks, Inc. 388,760; July 8; Serial No. 440,797; published Apr. 29, 1941.
Dresses and dress ensembles. Devonshire Jr. Inc. 388,809; July 8.
Dresses, blouses, skirts, etc. M. Hellman. 388,812; July 8.
Dresses, blouses, skirts, etc. Star-Maid Dresses, Inc. 388,749; July 8; Serial No. 440,565; published Apr. 29, 1941.
Dresses, house dresses, and pajamas. Modern Manufacturing Co. 388,810; July 8.
Dresses, playsuits, skirts, etc. Gernes Garment Company. 388,752; July 8; Serial No. 440,685; published Apr. 29, 1941.
Dresses, suits, skirts, etc. Beaumart Co. 388,775; July 8; Serial No. 441,191; published Apr. 29, 1941.
Gloves. Wells Lamont Smith Corporation. 388,726; July 8; Serial No. 439,643; published Apr. 22, 1941.
Hair-nets. C. K. Thau. 147,177–8; renewed Oct. 4, 1941.
Hats. H. Rose Stores, Inc. 388,759; July 8; Serial No. 440,791; published Apr. 22, 1941.
Hats and caps. I. Alport. 388,738; July 8; Serial No. 440,305; published Apr. 22, 1941.
Hats and caps. Etchison Hat Company. 148,400; renewed Nov. 15, 1941.
Hats, coats, suits, and shoes, Women's, misses', and children's. Bloomingdale Bros., Inc. 388,817; July 8.
Hats, Ladies'. Leighton Hats, Inc. 388,816; July 8.
Heels and lifts. United States Rubber Company. 388,737; July 8; Serial No. 440,299; published Apr. 22, 1941.
Hosiery. Dexdale Hosiery Mills. 388,802–3; July 8.
Hosiery. National Silk Hosiery Mills, Inc. 388,801; July 8.
Hosiery. National Silk Hosiery Mills, Inc. 388,824; July 8.
Hosiery, Ladies'. Chipman Knitting Mills. 147,956; renewed Nov. 8, 1941.
Neckties. A. G. Seis, Jr. 388,744; July 8; Serial No. 440,474; published Apr. 22, 1941.
Panties. J. Chase. 388,745; July 8; Serial No. 440,489; published Apr. 29, 1941.
Raincoats, raincapes, aprons, etc. McCoy, Jones & Company. 388,754; July 8; Serial No. 440,727; published Apr. 22, 1941.
Shoes. Berland Shoe Stores, Inc. 388,691; July 8; Serial No. 425,228; published Jan. 9, 1940.
Shoes. Chicago Mail Order Company. 388,736; July 8; Serial No. 440,083; published Apr. 22, 1941.
Shoes, Leather. Craddock-Terry Company. 148,383; renewed Nov. 15, 1941.
Slips, petticoats, and camisoles. Victor Brown Undies, Inc. 388,768; July 8; Serial No. 441,014; published Apr. 29, 1941.
Soles and taps, Leather. Panther-Panco Rubber Co. Inc. 388,804; July 8.
Suits, trousers, jackets, etc. Louis Saffer Co. 388,789; July 8; Serial No. 441,329; published Apr. 29, 1941.
Topcoats and overcoats. Joseph & Feiss Company. 388,799; July 8.
Trunks, sport shirts, gym shirts, Swimming. Celanese Corporation of America. 388,741; July 8; Serial No. 440,442; published Apr. 29, 1941.
Trunks, sport shirts, gym shirts, etc., Swimming. Celanese Corporation of America. 388,742; July 8; Serial No. 440,444; published Apr. 29, 1941.

CLASS 40

Braids for lacings. International Braid Company. 388,694; July 8; Serial No. 431,652; published Apr. 8, 1941.
Dress shields. A. Stein & Company. 388,733; July 8; Serial No. 440,026; published Apr. 22, 1941.
Dress shields and shoulder straps. A. Stein & Company. 388,734; July 8; Serial No. 440,028; published Apr. 22, 1941.
Knitting needles, and crochet hooks. H. C. Bates. 388,716; July 8; Serial No. 439,089; published Apr. 22, 1941.
Ornaments to be worn under hosiery, Leg. A. R. Sanders. 388,698; July 8; Serial No. 433,726; published Apr. 29, 1941.

CLASS 42

Bed sheets, pillow cases, bed spreads, etc. Premier Textile Corp. 388,819; July 8.
Cloth in the piece. Belding Hemingway Co. 388,747; July 8; Serial No. 440,533; published Apr. 29, 1941.
Fabrics in the piece, Textile. Charles E. Sigler & Co. 388,779; July 8; Serial No. 441,261; published Apr. 29, 1941.
Goods in the piece, Silk and satin. William Skinner & Sons. 146,363; renewed Sept. 6, 1941.
Piece goods. Celanese Corporation of America. 388,785; July 8; Serial No. 441,307; published Apr. 29, 1941.
Piece goods. Lesher, Whitman & Co. 148,133; renewed Nov. 8, 1941.
Piece goods. Wellington Sears Company, Incorporated. 388,701; July 8; Serial No. 434,957; published Apr. 29, 1941.
Piece goods, Woolen. Forstmann & Huffmann Co. 143,605; renewed June 7, 1941.
Piece goods, Woolen. Forstmann & Huffmann Co. 143,607–9; renewed June 7, 1941.
Piece goods, Woolen. Forstmann & Huffmann Co. 143,611; renewed June 7, 1941.
Piece goods, Woolen. Forstmann & Huffmann Co. 143,949; renewed June 21, 1941.
Piece goods, Woolen. Forstmann & Huffmann Co. 143,950; renewed June 7, 1941.
Piece goods, Woolen. Forstmann & Huffmann Co. 143,951; renewed June 21, 1941.

CLASS 44

Dental impression and rebasing material. J. F. Jelenko & Co. Inc. 388,792; July 8; Serial No. 441,472; published Apr. 29, 1941.
Ear drum protectors, eye cups, throat swabs, etc. N. P. Steckler. 388,688; July 8; Serial No. 415,196; published Apr. 29, 1941.

CLASS 45

Beverages and bases and concentrates and syrups and extracts for making the same, Non-alcoholic. Squirt Company. 388,791; July 8; Serial No. 441,452; published Apr. 29, 1941.
Extracts, syrups, and concentrates. Green & Green. 388,787; July 8; Serial No. 441,317; published Apr. 29, 1941.
Fruit beverage, Non-alcoholic, maltless. D. N. Goldberg. 145,370; renewed Aug. 2, 1941.

CLASS 46

Blend of fish oils and fish liver oils. National Oil Products Company. 388,706; July 8; Serial No. 436,435; published Apr. 29, 1941.

Canned cooked ham. Delegation of Meat Packers of Poland, Inc. 388,746; July 8; Serial No. 440,497; published Apr. 29, 1941.
Canned fruits, canned vegetables, canned olives. Norman L. Waggoner, Inc. 388,697; July 8; Serial No. 433,683; published Sept. 3, 1940.
Cheese food mixture. Pasteurized. Borden Company. 388,748; July 8; Serial No. 440,538; published Apr. 29, 1941.
Chewing-gum. Goudey Gum Co. 148,056; renewed Nov. 8, 1941.
Chicks, Baby. W. O. Atkins. 388,725; July 8; Serial No. 439,613; published Apr. 29, 1941.
Cocoanut-oil, Edible. Procter and Gamble Company. 148,218; renewed Nov. 8, 1941.
Coffee. J. A. Folger & Company. 388,719; July 8; Serial No. 439,435; published Apr. 29, 1941.
Coffee, canned fish, fruit, vegetables, etc. American Factors, Limited. 144,158; renewed June 28, 1941.
Cooking-fats. Procter & Gamble Company. 147,810; renewed Nov. 1, 1941.
Flour and rolled oats, Wheat. Quaker Oats Company. 148,222; renewed Nov. 8, 1941.
Flour, Wheat. Ballard & Ballard Company. 388,714; July 8; Serial No. 438,920; published Apr. 29, 1941.
Flour, Wheat. Interprovincial Flour Mills Ltd. 144,810–11; renewed July 19, 1941.
Flour, Wheat. Kansas Flour Mills Company. 143,712; renewed June 7, 1941.
Flour, Wheat. Russell-Miller Milling Co. 388,717; July 8; Serial No. 439,115; published Apr. 29, 1941.
Fruit, Fresh citrus. A. Michelson. 388,755; July 8; Serial No. 440,728; published Apr. 29, 1941.
Fruits and canned fruit juices, Fresh citrus. Squirt Company. 388,777; July 8; Serial No. 441,218; published Apr. 29, 1941.
Marshmallows, chocolates, fudge, etc. Rueckheim Bros. & Eckstein. 148,245; renewed Nov. 8, 1941.
Powders for confectioner's use, flavoring extracts, pie-fillings, etc. Henry H. Ottens Mfg. Co. 148,500; renewed Nov. 15, 1941.
Rice. Rosenberg Bros. & Co. 388,805; July 8.
Spaghetti and spaghetti sauce. Gooch Food Products Company. 388,821; July 8.

CLASS 47

Wine. National Distillers Products Corporation. 388,772; July 8; Serial No. 441,139; published Apr. 29, 1941.
Wines. Pedro Domecq y Cia. 388,708; July 8; Serial No. 436,598; published Apr. 29, 1941.
Wines. Roma Wine Company. 388,756; July 8; Serial No. 440,757; published Apr. 29, 1941.

CLASS 48

Beer, Lager. Adam Scheidt Brewing Company. 142,749; renewed May 17, 1941.
Beverage, Non-alcoholic. Jackson Brewing Company. 148,451; renewed Nov. 15, 1941.

CLASS 49

Cordials, whiskey, whiskey blended with wine. J. L. Ambrose. 388,818; July 8.
Rum. A. P. Julia. 388,820; July 8.
Whiskey. Canada Dry Ginger Ale Incorporated. 388,764; July 8; Serial No. 440,851; published Apr. 29, 1941.

LIST OF DESIGN PATENTEES

Amsterdam, Frederick, New York, N. Y. Coat. 128,199; July 8.
Angell, Amerigo, Milwaukee, Wis. Plaque. 128,129; July 8.
Arens, Egmont, New York, N. Y., assignor to Atlas Supply Company, Newark, N. J. Battery case. 128,152; July 8.
Armstrong Cork Company. (See Steelman, James S., assignor.)
Arnold, Clara W., East Cleveland, and O. J. Hinger, Cleveland, Ohio. Casket display canopy. 128,130; July 8.
Arnold, Philip B., Cleveland, Ohio. Dairy bottle. 128,153; July 8.
Atlas Supply Company. (See Arens, Egmont, assignor.)
Bailey, Perkins H., New York, N. Y. Dress. 128,200; July 8.
Bailey, Perkins H., New York, N. Y. Dress. 128,201; July 8.
Barkley, Charles L., et al. (See Jones, Charles E., assignor.)
Barkley, Peyton H., et al. (See Jones, Charles E., assignor.)
Barnsteiner, Alfons, and E. H. Lockwood, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company. Electric range. 128,154; July 8.
Bedell, Charles P., Detroit, Mich., assignor to The Pep Boys—Manny, Moe & Jack, Philadelphia, Pa. Tire casing. 128,131; July 8.
Belden Manufacturing Company. (See Reinecke, Jean O., assignor.)
Bell, Vera E., Miami Beach, Fla. Fishing rod handle. 128,132; July 8.
Bendersky, Rubin, Boston, Mass. Figure toy. 128,133; July 8.
Bendersky, Rubin, Boston, Mass. Figure toy. 128,134; July 8.
Bentley, Fred, Lansing, Mich. Shuttle for game of badminton. 128,135; July 8.
Berg, Henry, Brooklyn, assignor to Streamliner Mfg. Co., New York, N. Y. Beverage dispenser. 128,155; July 8.
Berger, Albert E., Atlantic City, N. J. Inside foot-pad sock. 128,156; July 8.
Berry, Harry J., San Francisco, Calif. Necklace or the like. 128,157; July 8.
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Portable cooking stove. 128,187; July 8.
Booty, Philip C. P., Chicago, Ill. Dispenser for tooth powder and the like. 128,158; July 8.
Boucher, Marcel, New York, N. Y. Pin or similar article. 128,104; July 8.
Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile. 128,202; July 8.
Cave, Henry, assignor to The Fuller Brush Company, Hartford, Conn. Pastry brush. 128,105; July 8.
Champlain Corporation. (See Weiss, Adolph.)
Chrysler Corporation. (See Cadwallader, Robert.)
Clion, William, Brooklyn, N. Y. Dress ensemble. 128,222; July 8.
Cresap, Mark W., Jr., assignor to John B. Stetson Company, Philadelphia, Pa. Hat box. 128,159; July 8.
Cruncleton, Lawrence H., Bell, Calif. Knife sharpener. 128,160; July 8.
Cummings, Israel, New York, N. Y. Textile fabric. 128,106; July 8.
Cummings, Israel, New York, N. Y. Textile fabric. 128,107; July 8.
Cutler, Elizabeth, New York, N. Y. Dress. 128,223; July 8.
Cutler, Elizabeth, New York, N. Y. Dress. 128,224; July 8.
Dalton, Donald A., assignor to The Dalton Foundries, Inc., Warsaw, Ind. Support head for a vehicle jack. 128,108; July 8.
Dalton Foundries, Inc., The. (See Dalton, Donald A., assignor.)
Davis, Gifford D. (See Werner, Hans, assignor.)
De Jur-Amsco Corporation. (See Leonard, Anthon A., assignor.)
Del Re, Angelo, Brooklyn, N. Y. Coat. 128,203; July 8.
Del Re, Angelo, Brooklyn, N. Y. Coat. 128,204; July 8.
Derham, Philip A., Rosemont, and J. H. Newport, Jr., Overbrook Hills, Pa., assignors to the Waterbury Button Company, Waterbury, Conn. Cosmetic case. 128,188; July 8.
De Roo, William C., and A. E. Kletzmann, assignors to Hart & Cooley Manufacturing Company, Holland, Mich. Register. 128,109; July 8.
Du Pont, E. I., de Nemours & Company. (See Rosedale, Max, assignor.)
Fairbanks, Morse & Co. (See Vogel, Edward A., assignor.)
Fetter, Norman C., assignor to Micro Switch Corporation, Freeport, Ill. Electric switch. 128,136; July 8.
Fetterhoff, Victor M., Denver, Colo. Shoe shiner's chair. 128,161; July 8.
Fields, Minna, New York, N. Y. Dress. 128,205; July 8.
Finkelstein, Robert, Woonsocket, R. I. Textile fabric or similar article. 128,189; July 8.
Fletcher, Albert C., assignor to Quick Charge, Inc., Oklahoma City, Okla. Battery charger. 128,206; July 8.
Franke, Kenneth S., New York, N. Y. Card trick device. 128,162; July 8.
Fuller Brush Company, The. (See Cave, Henry, assignor.)
General Motors Corporation. (See Loewy, Raymond, assignor.)
Gottlieb, Joseph, Deal, N. J. Electric clock. 128,110; July 8.
Gottlieb, Joseph, Deal, N. J. Electric clock. 128,111; July 8.
Gottlieb, Joseph, Deal, N. J. Electric clock. 128,112; July 8.
Greitzer, Meyer, Los Angeles, Calif. Table top. 128,163; July 8.
Gruber, Alvin H., Highland Park, Mich. Funeral service chapel. 128,137; July 8.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Tray or similar article. 128,138; July 8.
Gustkey, Carl W., Wheeling, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio. Candlestick or similar article. 128,113; July 8.
Hart & Cooley Manufacturing Company. (See De Roo, W. C., and Kletzmann, assignors.)
Hauptman, Oscar, New York, N. Y. Coat. 128,207; July 8.
Hauptman, Oscar, New York, N. Y. Coat. 128,208; July 8.
Hauptman, Oscar, New York, N. Y. Coat. 128,209; July 8.
Hauptman, Oscar, New York, N. Y. Coat. 128,225; July 8.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Tire. 128,139; July 8.
Hawkinson, Paul E., Company. (See Hawkinson, Paul E., assignor.)
Hennessy, John F., assignor to Geo. D. Roper Corporation, Rockford, Ill. Combined burner bowl and utensil support for ranges. 128,164; July 8.
Hering, Henry, New York, N. Y. Golf club head. 128,114; July 8.
Hindu Incense Manufacturing Co. (See Rebechini, Guido, assignor.)
Hinger, Oscar J. (See Arnold, C. W., and Hinger.)
Holsten, Judith W., New York, N. Y. Dress ensemble. 128,226; July 8.
Holsten, Judith W., New York, N. Y. Dress 128,227; July 8.
Holsten, Judith W., New York, N. Y. Dress 128,228; July 8.
Imperial Glass Corporation. (See Gustkey, Carl W., assignor.)
Joel, Louis, New York, N. Y. Dress. 128,210; July 8.
Jones, Charles E., assignor to C. L. and P. H. Barkley, Chicago, Ill. Guide tab. 128,118; July 8.
Jory, Arthur T., Oakland, Calif. Refreshment booth. 128,165; July 8.
Karlen, Lena, Philadelphia, Pa. Combined bow and side combs. 128,190; July 8.
Kass, Ruth R., New York, N. Y. Dress. 128,229; July 8.
Katz, Louis, New York, N. Y. Dress. 128,230; July 8.
Katz, Louis, New York, N. Y. Dress. 128,231; July 8.
Kaufman, Stella B., New York, N. Y. Dress. 128,232; July 8.
Kaufman, Stella B., New York, N. Y. Dinner dress ensemble. 128,233; July 8.
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Kletzmann, Alfred E. (See De Roo, W. C., and Kletzmann.)
Koehne, John L., New York, N. Y. Textile fabric. 128,115; July 8.
Koehne, John L., New York, N. Y. Textile fabric. 128,116; July 8.
Koehne, John L., New York, N. Y. Textile fabric. 128,117; July 8.
Koppel, Ernst R., Wauwatosa, Wis. Domestic water heater. 128,191 July 8.
Koppel, Ernst R., Wauwatosa, Wis. Water heater. 128,192; July 8.
Landmeier, Edwin W., Cincinnati, Ohio, assignor to The Wadsworth Electric Mfg. Co., Inc., Covington, Ky. Knob for an electric switch. 128,119; July 8.
Landry, William A., White Plains, N. Y. Textile fabric. 128,120; July 8.
Leonard, Anthon A., Glenside, Pa., assignor to De Jur-Amsco Corporation, Shelton, Conn. Photographic enlarger. 128,121; July 8.
Lerman, Kate, Chicago, Ill. Clock or similar article. 128,166; July 8.
Lewis, Florence N., New York, N. Y. Beach kit. 128,122; July 8.

Lockwood, Edwin H. (See Barnsteiner, A., and Lockwood.)
Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Electric range. 128,123; July 8.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle stopper. 128,167; July 8.
May, Helen, New York, N. Y. Redingote. 128,211; July 8.
May, Helen, New York, N. Y. Dress. 128,212; July 2.
Mayehoff, Delmar, New York, N. Y. Dress ensemble. 128,234; July 8.
McLaughlin, Edward, South Bound Brook, N. J. Textile fabric. 128,213; July 8.
Melville, Harold F., Los Angeles, Calif. Paper cup container. 128,124; July 8.
Metlox Manufacturing Company. (See Romanelli, Carl, assignor.)
Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 128,140; July 8.
Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 128,141; July 8.
Meyer, Maximilian C., Brooklyn, N. Y. Necklace. 128,168; July 8.
Michl, William, Little Ferry, N. J. Lace. 128,169; July 8.
Michl, William, Little Ferry, N. J. Lace. 128,170; July 8.
Micro Switch Corporation. (See Fetter, Norman C., assignor.)
Miglioretti, Louis, Baltimore, Md. Bottle. 128,193; July 8.
Mizzy, Albert D., New York, N. Y. Magnifying unit. 128,171; July 8.
Morgan, Jay A., Chicago, Ill. Reading stand. 128,172; July 8.
Moskowitz, George, Brooklyn, N. Y. Electric fan. 128,142; July 8.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 128,214; July 8.
Newport, Jesse H., Jr. (See Derham, P. A., and Newport.)
Novi Equipment Company. (See Welch, Lewis W., assignor.)
Novick, Daniel, Chicago, Ill. Dress. 128,215; July 8.
Nu-Dell Manufacturing Company. (See Yellin, Morris, assignor.)
Oliver, Leo E., Sanger, Calif. Airplane. 128,173; July 8.
Ostrowski, Caroline, Hamtramck, Mich. Combined bathtub, wash basin, and water closet. 128,143; July 8.
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Pep Boys—Manny, Moe & Jack, The. (See Bedell, Charles P., assignor.)
Posnack, Emanuel R., New York, N. Y. Combination desk unit. 128,174; July 8.
Quick Charge, Inc. (See Fletcher, Albert C., assignor.)
Rebechini, Guido, assignor to Hindu Incence Manufacturing Co., Chicago, Ill. Wall bracket. 128,175; July 8.
Reinecke, Jean Otis, Oak Park, assignor to Belden Manufacturing Company, Chicago, Ill. Female electric plug. 128,216; July 8.
Richards, Julia, Brooklyn, N. Y. Dress. 128,235; July 8.
Richards, Julia, Brooklyn, N. Y. Dress. 128,236; July 8.
Rockola, David C., Chicago, Ill. Parking meter casing. 128,144; July 8.
Rogat, Morris E., Cleveland, Ohio. Key rack. 128,176; July 8.
Romanelli, Carl, Los Angeles, assignor to Metlox Manufacturing Company, Manhattan Beach, Calif. Vase or similar article. 128,177; July 8.
Roper, Geo. D., Corporation. (See Hennessy, John F., assignor.)
Rosedale, Max, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Display stand for tooth brushes. 128,145; July 8.
Rosedale, Max, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Display stand for combs. 128,146; July 8.
Rosetta, Frank, Benton Harbor, Mich. Statuette. 128,194; July 8.
Rost, Katheryn, New York, N. Y. Dress. 128,237; July 8.
Rutledge, Harry E., Pittsburgh, Pa. Flood light. 128,125; July 8.
Rutledge, Harry E., Pittsburgh, Pa. Flood light. 128,126; July 8.
Shacter, Harry, Westport, Conn. Coat. 128,217; July 8.
Schmitz, William L., Jr., San Marino, Calif. Dental profile recorder. 128,127; July 8.
Schoenfeld, Alwin F., Forest Hills, N. Y. Book carrier. 128,178; July 8.
Schwartz, Philip, Springfield, Mass. Bottle. 128,179; July 8.
Sechler, Allen. (See Zepp, Victor F., assignor.)
Seigh, Wallace D., Johnstown, Pa. Holding and dispensing bracket for tooth paste tubes and the like. 128,147; July 8.
Simkins, Alexander, New York, N. Y. Wall bracket. 128,180; July 8.
Sommerhauser, Lothar, Long Island City, N. Y. Paint applicator or similar article. 128,238; July 8.
Spear, Walter A. (See Welch, W. W., and Spear.)
Steelman, James S., Millville, assignor to Armstrong Cork Company, Lancaster, Pa. Bottle or similar article. 128,195; July 8.
Steiner, Ernest, New York, N. Y. Brooch or similar article. 128,181; July 8.
Steinreich, Angela, Los Angeles, Calif. Brooch or similar article. 128,148; July 8.
Stern, Abraham, New York, N. Y. Lady's handbag. 128,196; July 8.
Stetson, John B., Company. (See Cresap, Mark W., Jr., assignor.)
Streamliner Mfg. Co. (See Berg, Henry, assignor.)
Strelakos, George, Tompkinsville, N. Y. Font of type. 128,197; July 8.
Sussman, Richard, New York, N. Y. Bottle or similar article. 128,218; July 8.
Swanson, Rudolph E., Riverside, R. I. License plate holder. 128,149; July 8.
Swofford, Peter J., Fort Worth, Tex. Support for a beverage container, or the like. 128,150; July 8.
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
Viret, Joseph A., Teaneck, N. J. Knitted fabric. 128,219; July 8.
Vogel, Edward A., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Magneto electric generator. 128,151; July 8.
Von Schenk, Ilse, New York, N. Y. Doll. 128,182; July 8.
Von Schenk, Ilse, New York, N. Y. Toy horse. 128,183; July 8.
Wadsworth Electric Mfg. Co. Inc., The. (See Landmeier, Edwin W., assignor.)
Waterbury Button Company. (See Derham, P. A., and Herbert, assignors.)
Weiss, Adolph, Brooklyn, N. Y., assignor to Champlain Corporation, Garfield, N. J. Printing press. 128,198; July 8.
Welch, Lewis W., Detroit, assignor to Novi Equipment Company, Novi, Mich. Muffler. 128,184; July 8.
Welch, William W., St. Louis, Mo., and W. A. Spear, Cincinnati, Ohio; said Spear assignor to said Welch. Combined stand and electric fan. 128,185; July 8.
Werner, Hans, Verona, assignor to G. D. Davis, South Orange, N. J. Spray head. 128,220; July 8.
Westinghouse Electric & Manufacturing Company. (See Barnsteiner, A., and Lockwood, assignor.)
Whiting, William, Holyoke, Mass. Envelope. 128,221; July 8.
Yellin, Morris, Chicago, Ill., assignor to Nu-Dell Manufacturing Company. Cake knife or analogous article. 128,186; July 8.
Zahn, Samuel, New York, N. Y. Dress. 128,239; July 8.
Zepp, Victor F., assignor to A. Sechler, Chicago, Ill. Guitar playing bar. 128,128; July 8.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Raiziss, G. W., and Clemence, assignors.)
Abington Textile Machinery Works. (See Goldsmith, William H., Jr., assignor.)
Abrams, William C., New York, N. Y. Package. 2,248,266; July 8.
Adams, Ross T., Battle Creek, M. Raymer, Augusta, and R. S. Poole, Bedford, assignors to Kellogg Company, Battle Creek, Mich. Package. 2,248,038; July 8.
Adcock, Horace, assignor to Joseph Lucas Limited, Birmingham, England. Screw-thread chasing mechanism for lathes and like machine tools. 2,248,692; July 8.
Adcock, John R., assignor of one-fourth to J. B. Du Puy, and one-fourth to J. K. Hatmaker, Pikeville, Ky. Mixing machine for bottled carbonated beverages. 2,248,156; July 8.
Addy, Henry E. (See Addy, Roy and H. E.)
Addy, Roy and H. E., Milwaukee, Wis. Tire signal and system. 2,248,047; July 8.
Ahlstrom, William, et al. (See Parsons, Frank H., assignor.)
Air Reduction Company. (See Heidbrink, Jay A., assignor.)
Aktiebolaget Nomy. (See Wallgren, August G. F., assignor.)
Aktiengesellschaft vorm, Seidel & Naumann. (See Wohlfarth, Reinhard M., assignor.)
Albert, Walter P., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,248,212; July 8.
Albrecht, Carl, and K. Bonath, Kronberg in Taunus, assignors to Deutsche Gold- und Silber-Scheideanstalt, Frankfort-on-the-Main, Germany. Hardening of steel. 2,248,732; July 8.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Radio distance meter. 2,248,599; July 8.
Alexanderson, Ernst F. W., and A. H. Mittag, Schenectady, N. Y., assignors to General Electric Company. Electric valve circuits. 2,248,600; July 8.
Alford, Andrew, assignor to Mackay Radio and Telegraph Company, New York, N. Y. Directional antenna array. 2,248,800; July 8.
Allan, John, and J. A. Wainwright, Spondon, near Derby, England, assignors to Celanese Corporation of America. Thickener for decorating textiles of organic derivatives of cellulose. 2,248,048; July 8.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,248,321; July 8.
Allendorff, Friedrich, assignor to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany. Apparatus for measuring the amplitude of oscillations. 2,248,653; July 8.
Allied Products Corporation. (See Richard, C. C., and Kain, assignors.)
Allis-Chalmers Manufacturing Company. (See McKahin, John D., assignor.)
Allith-Prouty, Inc. (See Willard, Donald E., assignor.)
Alt, Wolfgang. (See Kirst, W., Alt, and Krzikalla.)
Aluminum Company of America. (See Nock, Joseph A., Jr.)
American Brake Shoe and Foundry Company, The. (See Pogue, R. B., and Trainer, assignors.)
American Chain & Cable Company. (See Wilson, E. P., assignor.)
American Coach & Body Company, The. (See Troche, Herman J., assignor.)
American Cyanamid Company. (See Ham, G. P., and Barnes, assignors.)
American Hyalsol Corporation. (See Rittmeister, Wilhelm, assignor.)
American Stay Company. (See Presby, Leroy Q., assignor.)
American Steel and Wire Company of New Jersey, The. (See Brickman, A. E., and Gleason, assignors.)
American Stove Company. (See Stockstrom, A., and Brodbeck, assignors.)
American Telephone and Telegraph Company. (See Lane, Leland G., assignor.)
Anderson, Cecil R., assignor to The Martin-Hardsocg Company, Pittsburgh, Pa. Detachable bit for coal augers and the like. 2,248,733; July 8.
Anderson, Daniel G., Los Angles, Calif. Desk construction. 2,248,049; July 8.
Anderson, Earle E. (See Ross, W. C., and Anderson.)
Anderson, George J., Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Electric arc lamp. 2,248,050; July 8.
Anderson, John W., assignor to Productive Inventions, Inc., Gary, Ind. Windshield wiper. 2,248,565; July 8.
Anderson, Neville R., Sydney, New South Wales, Australia. Apparatus for handling materials. 2,248,841; July 8.
Anderson, Niles M., Tacoma, Wash. Operating a rotary kiln. 2,248,039; July 8.
Annin, Douglas H., San Francisco, Calif. Apparatus for indicating, controlling, and recording the level of liquids in vessels. 2,248,322; July 8.
Anschütz & Co. G. m. b. H. (See von Andreatta, B., and Krauskopf, assignors.)
Anthony, Leon P., assignor of one-half to M. A. Reynolds, Los Angeles, Calif. Internal combustion engine. 2,248,323; July 8.
Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
Armistead, George, Jr., Scarsdale, assignor to Process Management Company, Inc., New York, N. Y. Motor fuel production. 2,248,842; July 8.
Armstrong, Edward R., New York, N. Y., assignor to Sun Oil Company, Philadelphia, Pa. Offshore drilling rig. 2,248,051; July 8.
Arnberg, Gunnar, Lidingo-Brebik, Sweden, assignor to Paterson Pacific Parchment Co., San Francisco, Calif. Container capping and tying machine. 2,248,324; July 8.
Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. (See Müller, Wolfgang, assignor.)
Askania-Werke A. G. vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. (See von Manteuffel, G. Z., assignor.)
Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
Associated Telephone & Telegraph Company. (See Roseby, Philip N., assignor.)
Attwood Diesel Equipment Company Limited. (See Gordon, H., and Attwood, assignors.)
Attwood, Stanley H. (See Gordon, H., and Attwood.)
Atwood, Harry D., Highland Park, assignor to Klean Holder Corporation, Detroit, Mich. Lifting strip bag. 2,248,843; July 8.
Atwood Machine Company, The. (See Taylor, Howard W., assignor.)
Auchincloss, Samuel S., Darien, Conn., and C. A. Woodruff, Westfield, N. J., assignors to New York Quotation Company, New York, N. Y. Projection apparatus. 2,248,052; July 8.
Auld, Donald W., and L. J. Weber, Bartlesville, Okla., assignors to Phillips Petroleum Company. Pressure retaining core barrel. 2,248,910; July 8.
Auld, John T., Tingley, near Leeds, assignor to R. W. Crabtree & Sons Limited, Leeds, England. Blocking machine. 2,248,419; July 8.
Automatic Devices Corporation. (See Conboy, Russell D., assignor.)
Automatic Devices Corporation. (See Johnson, Arthur A., assignor.)
Automatic Devices Corporation. (See Lehmann, Herbert G., assignor.)
Avery, George S., New London, Conn., dedicated to the free use of the Government and the People of the United States. Stimulation of fruit growth. 2,248,400; July 8.
B M W Flugmotoren Gesellschaft m. b. H. (See Duckstein, Martin, assignor.)
Bacon, Alfons, et al. (See Weber, Carl, assignor.)
Bacon, Dana H., Arlington, assignor to National Company, Inc., Malden, Mass. Voltage limiter. 2,248,267; July 8.
Bacon, Elbridge F., Flint, assignor to General Motors Corporation, Detroit, Mich. Speedometer. 2,248,325; July 8.
Baetz, Henry, Brookline, Mass. Method of and apparatus for reducing oxide ore. 2,248,483; July 8.
Bagley, William A., Boston, Mass., assignor to General Electric Company. Control equipment for prime mover electric generating plants. 2,248,601; July 8.
Bahr, Gustave F. (See Thibault, J. O., and Bahr.)
Bainer, Roy, and C. E. Barbee, Davis, assignors to The Regents of the University of California, Berkeley, Calif. Apparatus for shelling nuts. 2,248,327; July 8.
Baker, Walter, Cedar Rapids, Iowa, assignor, by mesne assignments, to Link-Belt Speeder Corporation. Excavating shovel. 2,248,326; July 8.
Baldwin Rubber Company. (See Collins, Don F., assignor.)
Baldwin Rubber Company. (See Cotterman, Don R., assignor.)

Bales, Lovette M., Long Beach, Calif. Golf practice device. 2,248,053; July 8.

Ballou, William R., Jr., Boston, Mass., assignor of one-half to W. F. Wright, Lisbon, Ohio. Equipment for air conditioning vehicles. 2,248,654; July 8.

Balsiger, Harold E. (See Ott, C. L., Beard, and Balsiger.)

Bancroft, Charles, New Canaan, Conn. Heat energized apparatus. 2,248,484; July 8.

Banfield, Thomas H., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Hopper for stokers. 2,248,294; July 8.

Bantam Bearings Corporation. (See Frauenthal, Harold, assignor.)

Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Control equipment for prime mover electric generating plants. 2,248,602; July 8.

Bär, Kurt, Freital-Dresden, assignor to Firma Sächsische Armaturen Fabrik, W. Michalk & Sohn, Freital-Dresden, Germany. Friction speed-change gearing. 2,248,268; July 8.

Barbee, Charles E. (See Bainer, R., and Barbee.)

Barkley, Charles L., et al. (See Jones, Charles E., assignor.)

Barkley, C. L., & Co. (See Jones, Charles E.)

Barkley, Peyton H., et al. (See Jones, Charles E., assignor.)

Barnes, Raymond E., Aurora, Ill. Automatic gun trap. 2,248,157; July 8.

Barnes, Robert B. (See Ham, G. P., and Barnes.)

Barr, Frank T., Summit, N. J., assignor to Standard Oil Development Company. Manufacture of hydrocarbon products by hydrogenation of oxides of carbon. 2,248,734; July 8.

Bartley, Victor. (See Worthington, J. B., and Bartley.)

Bartscherer, Franz, Duisburg-Hamborn, Germany. producing hollow bodies in centrifugal casting molds rotatable about the vertical axis. 2,248,693; July 8.

Batdorf, Seymour, assignor to Liberty Can and Sign Company, Lancaster, Pa. Receptacle and receptacle head. 2,248,844; July 8.

Batie, Joseph E., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Producing sponge iron and reducing agent therefor. 2,248,735; July 8.

Bauer, Fredrick C., Seville, Ohio. Garment bag holder. 2,248,736; July 8.

Beam, Jacob B., assignor to Punxsutawney Electric Repair Co., Inc., Punxsutawney, Pa. Rail bond. 2,248,845; July 8.

Beam, Vilynn O., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Pilot control. 2,248,737; July 8.

Beard, Burr B. (See Ott, C. L., Beard, and Balsiger.)

Beatty, William E. (See Dupy, Olin L., assignor.)

Beaumont, William M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,248,040; July 8.

Bechik, Michael, St. Paul, Minn. Flexible mattress handle. 2,248,328; July 8.

Beck, Roy C., Pasadena, assignor to Vitachrome, Inc., Los Angeles, Calif. Decalcomania transfer and method. 2,248,213; July 8.

Becker, Joseph, Grantwood, N. J. Screw driver. 2,248,054; July 8.

Beerbower, Russel D., Fort Wayne, Ind. Toy material handling and display device. 2,248,041; July 8.

Behnisch, Robert, J. Klarer, and F. Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Wintrrop Chemical Company, Inc. Benzene sulphonic acid derivatives and manufacture thereof. 2,248,911; July 8.

Bell, Achibald D., Jr., Toledo, Ohio. Ventilating attachment for vehicles. 2,248,329; July 8.

Bell Aircraft Corporation. (See Woods, Robert J., assignor.)

Belle Howell Company, The. (See McNabb, Louis A., assignor.)

Bell, Joseph D., San Francisco, Calif. Combined chair and bed. 2,248,603; July 8.

Bell, Stanley A. (See Hughes, H. R., and Bell.)

Bell Telephone Laboratories, Incorporated. (See Albert, Walter P., assignor.)

Bell Telephone Laboratories, Incorporated. (See Beaumont, William M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bond, Walter L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Budenbom, Horace T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Busch, Aloysius J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Corso, Frank S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Davis, Kingsbury H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Dehmel, Richard C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ellwood, Walter B., assignor.)

Bell Telephone Laboratories, Incorporated. (See McConnell, John H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Och, Henry G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Peterson, Eugene, assignor.)

Bell Telephone Laboratories, Incorporated. (See Williams, Samuel B., assignor.)

Belmont Radio Corporation. (See Plensler, Alexander W., assignor.)

Bendix Radio Corporation. (See Schuttig, Leonard A., assignor.)

Bendix-Westinghouse Automotive Air Brake Company. (See Leukhardt, Arthur R., assignor.)

Bendix-Westinghouse Automotive Air Brake Company. (See Robinson, Dayton H., assignor.)

Benedek, Elek K., Bucyrus, Ohio. Hydraulic pump or motor. 2,248,738; July 8.

Bennett, Arthur D. (See Morrison, W. A., and Bennett.)

Bennett, Arthur F., West Barrington, R. I., and G. F. Maglott, Wrentham, Mass., assignors to Brown and Sharpe Manufacturing Company. Lubricating device for machine tools. 2,248,485; July 8.

Benson, Benjamin H., and B. E. Mendelsohn, Brookline, Mass. Tire. 2,248,739; July 8.

Bernt, Russell, assignor to General Motors Corporation, Dayton, Ohio. Making refrigerating apparatus. 2,248,801; July 8.

Bestoso, Charles P. L., Jensen, Fla. Game. 2,248,295; July 8.

Bethlehem Steel Company. (See Reed, C. D., and Riley, assignors.)

Better, Adolph, assignor to Reinad Novelty Co., Inc., New York, N. Y. Costume jewelry. 2,248,802; July 8.

Betterway Ideas Limited. (See Cross, Ernest J., assignors.)

Bezanson, Osborne, Woburn, Mass., assignor, by mesne assignments, to Monsanto Chemical Company. Manufacture of hydrogen chloride and alkali sulphate. 2,248,740; July 8.

Bila, Joseph M., Walnut Park, Calif. Automobile cover. 2,248,655; July 8.

Bilde, Tord E. D., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Coupling. 2,248,269; July 8.

Bird, Paul G., Western Springs, Ill. Apparatus and method for carrying out chemical reactions. 2,248,055; July 8.

Bird, Paul G., Western Springs, Ill. Metal-washing composition. 2,248,656; July 8.

Birk, Harold W., East Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Soldering iron temperature control stand. 2,248,486; July 8.

Birmingham Paper Company. (See Osteen, Belmont D., assignor.)

Bisher, Hemel, New York, N. Y. Oil retaining plate. 2,248,803; July 8.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Supporting bracket for conduit outlet boxes and fixtures. 2,248,330; July 8.

Black & Decker Manufacturing Company, The. (See Wilhide, Glenn C., assignor.)

Black, Donald H., and A. H. Roche, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Circuit arrangement and thermionic valve for amplifying electrical oscillations. 2,248,804; July 8.

Bland, Leo J., Orangefield, Tex. Tire lug chain. 2,248,420; July 8.

Blaney, Jesse M., Springdale, Conn., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War. Film processing system. 2,248,056; July 8.

Bleecker, Etta M., Massapequa, N. Y. Toy. 2,248,214; July 8.

Blodjer, Olav, Stockton, Calif. Visor. 2,248,331; July 8.

Blondon, Irvin J., and R. E. Haworth, assignors to Brogdex Company, Pomona, Calif. Box dumping machine. 2,248,657; July 8.

Blue, Archie H., assignor of ten sixteenths to R. D. Wood, Christchurch, New Zealand. Radio receiving circuit. 2,248,521; July 8.

Boersch, Hans, Berlin, Germany, assignor to General Electric Company. Indicating device for lecher systems. 2,248,604; July 8.

Bogdan, Mihai, Ploesti, Rumania, assignor to Shell Development Company, San Francisco, Calif. Stabilizing organic heavy metal salts. 2,248,658; July 8.

Boller, John A. (See Hollengreen, M. A., Gurney, Boller, and Elberty.)

Bonath, Klaus. (See Albrecht, C., and Bonath.)

Bond, Walter L., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical cutting device. 2,248,057; July 8.

Boor, Francis H., Lafayette, Ind., assignor to Fairfield Manufacturing Company. Curved tooth gear and pinion wheels. 2,248,158; July 8.

Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Chair. 2,248,487; July 8.

Booth, Irving E., Rochester, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Indenting machine. 2,248,058; July 8.

Borg-Warner Corporation. (See Nutt, Harold, assignor.)

Bosch, Robert, Gesellschaft mit beschrankter Haftung. (See Allendorff, Friedrich, assignor.)

Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Golecki, Bruno, assignor.)

Boughtwood, John E. (See Erickson, G. L., and Boughtwood.)

Boundy, Ray H., and R. R. Dreisbach, assignors to The Dow Chemical Company, Midland, Mich. Nonflammable organic heat transfer agent. 2,248,488; July 8.

Boundy, Ray H. (See Dreisbach, R. R., and Boundy.)

Bourdon, Pierre Marcel, Paris, assignor to Michelin et Cie., Clermont-Ferrand, France. Truck mounting for pneumatic tired railway cars. 2,248,059; July 8.

Bouton, William E., Atascadero, Calif. Weed cutting implement. 2,248,421; July 8.

Bowman, John M. (See Glaser, L. B., Bowman, and Briggs.)

Boyd, Kenneth J., Tallahassee, Fla. Compound for destroying water hyacinths, and method. 2,248,159; July 8.

Boyette, John C., Tarpon Springs, Fla. Plug cutting implement. 2,248,694; July 8.

Bradshaw, Granville, assignor to The Bradshaw Patent Screw Company (Foreign) Limited, London, England. Screw head. 2,248,695; July 8.

Bradshaw Patent Screw Company (Foreign) Limited. (See Bradshaw, Granville, assignor.)

Brauning, Wilhelm. (See Zintl, E., Brauning, and Krings.)

Brewer, John A., Kalamazoo, Mich. Vacuum electric switch and plate. 2,248,846; July 8.

Brian, William S. (See Mahoney, C. H., and Brian.)

Brickman, Alan E., Rostravor Township, Westmoreland County, Pa., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Road guard assembly. 2,248,422; July 8.

Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)

Briggs, Joseph A. (See Glaser, L. B., Bowman, and Briggs.)

Britton, Edgar C., G. H. Coleman, and R. P. Perkins, assignors to The Dow Chemical Company, Midland, Mich. Branched-chain alkyl-phenylphenols. 2,248,401; July 8.

Brodbeck, Almer H. (See Stockstrom, A., and Brodbeck.)

Broecker, Lewis C., Nichols, assignor to Bridgeport Brass Company, Bridgeport, Conn. Pneumatic valve. 2,248,489; July 8.

Brogdex Company. (See Blondon, I. J., and Haworth, assignors.)

Brown, Andrew. (See Griffiths, J. B., and Brown.)

Brown & Bigelow. (See Trollen, Martin E., assignor.)

Brown and Sharpe Manufacturing Company. (See Bennett, A. F., and Maglott, assignors.)

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shuttle ejector. 2,248,847; July 8.

Brundage, James W., assignor to The Summit Mold & Machine Company, Akron, Ohio. Tire vulcanizing press. 2,248,060; July 8.

Bryant Heater Company, The. (See Beam, Vilynn O., assignor.)

Bryant Heater Company, The. (See Fonda, Bayard P., assignor.)

Büchi, Alfred, Winterthur, Switzerland. Exhaust gas turbo-blower means for horizontal internal combustion engines. 2,248,423; July 8.

Buckley, John A., Wichita, Kans. Electric plug connection. 2,248,605; July 8.

Budd, Edward G., Manufacturing Co. (See Harwick, Henry K., assignor.)

Budelier, Carl, Rock Island, and W. J. Coultas, assignors to Deere & Company, Moline, Ill. Power transmitting device. 2,248,332; July 8.

Budenbom, Horace T., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio direction and distance indicating system. 2,248,215; July 8.

Buggie, H. H., & Company. (See Cook, Everett J., assignor.)

Bukoski, Joseph G., Ubly, Mich. Splash guard. 2,248,216; July 8.

Bulkley, Ronald, Pitman, L. A. Hamilton, Wenonah, and V. A. Kalichevsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition. 2,248,848; July 8.

Burbank, John E., Poundridge, N. Y., assignor, by mesne assignments, of fifty-one one-hundredths to W. N. Cheyney, Montclair, N. J., and forty-nine one-hundredths to R. H. Lutz, Norwalk, Conn. Web treating apparatus. 2,248,333; July 8.

Burch, Donald D., Tulsa County, Okla. Liquid treating apparatus. 2,248,061; July 8.

Burgett, Lynn S., Euclid, assignor to The Clark Controller Company, Cleveland, Ohio. Resistance unit. 2,248,741; July 8.

Burke, Carl E., Bloomsbury, Alberta, Canada. Internal combustion engine. 2,248,334; July 8.

Burkhart, William S., Cincinnati, Ohio. Radio beam antenna and control means therefor. 2,248,335; July 8.

Burnham, Charles H. M., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo. Pipe cleaning apparatus. 2,248,742; July 8.

Burnip, Harold A. (See Chamberlain, J. M. W., and Burnip.)

Busch, Aloysius J., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,248,566; July 8.

Bussey, Ernest, Birmingham, Ala. Metallic roofing shingle. 2,248,336; July 8.

Butler Manufacturing Company. (See Rhodes, G. V., and Gabler, assignors.)

Buzzard, Robert W., Kensington, Md. Treating electrolytic coatings on magnesium and its alloys. 2,248,062; July 8.

Buzzard, Robert W., Kensington, Md. Treating electrolytic coatings on magnesium and its alloys. 2,248,063; July 8.

Byron Jackson Co. (See Stepanoff, Alexey J., assignor.)

Cadet Smoke Stand Company. (See Dick, T. M., and Fletcher.)

Calder, Caesar A., Verona, and L. H. Shaw, East Orange, N. J.; said Shaw assignor to said Calder. Collar support. 2,248,849; July 8.

California Cotton Mills Company. (See Olsen, Burton A., assignor.)

Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Electromagnetic induction apparatus. 2,248,606; July 8.

Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,248,608; July 8.

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Valve for air brakes and the like. 2,248,850; July 8.

Campbell, Donald G., New York, N. Y. Ice cuber. 2,248,296; July 8.

Campbell, Nelson S., Brookline, Mass. Method and apparatus for forming staple fiber. 2,248,806; July 8.

Canfield, Harry R., assignor to The Clark Controller Company, Cleveland, Ohio. Fluid pressure operated contactor. 2,248,851; July 8.

Cannon, William D., Metuchen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Phase inverter for push-pull amplifiers. 2,248,852; July 8.

Cannon, William D. (See Milnor, J. W., Cannon, Taylor, and Randall.)

Cardox Corporation. (See Goertz, Eric, assignor.)

Carlson, Oscar F., Kenilworth, assignor of one-half to O. F. Carlson Company, and one-half to E. N. McDonnell, Chicago, Ill. Pressure relief valve. 2,248,807; July 8.

Carlson, Oscar F., Company, et al. (See Carlson, Oscar F., assignor.)

Carlton, Richard P., and T. J. Miller, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coating, particularly for manufacture of abrasives. 2,248,064; July 8.

Carlton, Richard P., and T. J. Miller, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive article and making same. 2,248,853; July 8.

Carroll, Hubert O., Painesville, Ohio. Out-swinging window construction. 2,248,337; July 8.

Casco Products Corporation. (See Thibault, J. O., and Bahr, assignors.)

Case, Harold W. (See Wilson, R. C., and Case.)

Cassel, Norman S., Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Coloring textile fabrics. 2,248,696; July 8.

Castleman, Jennie, Los Angeles, Calif. Combination reel, chain, and key. 2,248,338; July 8.

Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Roller cutter. 2,248,339; July 8.

Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Rock bit. 2,248,340; July 8.

Celanese Corporation of America. (See Allan, J., and Wainwright, assignors.)

Celanese Corporation of America. (See Seymour, G. W., and Salvin, assignors.)

Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window sash construction. 2,248,297; July 8.

Chamberlain, James M. W., Akron, and H. A. Burnip, Cleveland, assignors to United States Stoneware Company, Akron, Ohio. Method and apparatus for drying and truing up ceramic pipe. 2,248,490; July 8.

Chamberlain, Leon E., Oakfield, assignor to A. E. Fielding, Buffalo, N. Y. Vibrating screen. 2,248,042; July 8.

Chase, Frank C., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Closure. 2,248,065; July 8.

Chemical Marketing Company Inc. (See Loebich, Otto, assignor.)

Chester, Frank R., Seattle, Wash. Ice cream sundae cone. 2,248,448; July 8.

Cheyney, William N., et al. (See Burbank, John E., assignor.)

Chicago By-Products Corporation. (See Wittmann, Robert A., assignor.)

Childs, Kenneth L., New Haven, Conn. Frying apparatus. 2,248,659; July 8.

Christy, George C., Chicago, Ill. Track sander. 2,248,217; July 8.

Ciani Americo, Mexico City, Mexico, assignor to C. B. Williams, New York, N. Y. Protective device. 2,248,609; July 8.

Cissell, Joseph L. (See Guin, L. W., and Cissell.)

Cities Service Oil Company. (See Forney, William E., assignor.)

Clark Controller Company, The. (See Burgett, Lynn S., assignor.)

Clark Controller Company, The. (See Canfield, Harry R., assignor.)

Clemence, Le Roy W. (See Ralziss, G. W., and Clemence.)

Clements Mfg. Co. (See Clements, William J., assignor.)

Clements, William J., assignor to Clements Mfg. Co., Chicago, Ill. Manufacturing deodorizing attachments for vacuum cleaners. 2,248,610; July 8.
Cleveland Pneumatic Tool Company, The. (See Griepenstroh, Arthur W., assignor.)
Cleveland Pneumatic Tool Company, The. (See Lear, Earl B., assignor.)
Cleveland Pneumatic Tool Company, The. (See Wallace, John F., assignor.)
Cleveland, Ralph E. (See Granger, E. R., and Cleveland.)
Cleveland Rock Drill Company, The. (See Richardson, Led L., assignor.)
Cleveland Trust Company, The, trustee. (See Jardine, Frank, assignor.)
Clink, James, East Cleveland, Ohio. Folding or sliding clothes pole. 2,248,808; July 8.
Cloutier, Arthur N., Lonsdale, assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 2,248,902; July 8.
Cocken, William Y., Jr., Pittsburgh, Pa. Prison building. 2,248,805; July 8.
Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Control apparatus for vapor electric discharge devices. 2,248,611; July 8.
Coffeen, Delos F., and F. H. Ingersoll, South Bend, Ind. Shoulder rest for violins. 2,248,854; July 8.
Cohen, Harry L., New York, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Taping machine. 2,248,744; July 8.
Coker, Samuel W., Colorado, assignor of one-half to R. F. Singleton, Dallas, Tex. Toy gun. 2,248,424; July 8.
Coleman, Gerald H., L. E. Mills, and G. V. Moore, assignors to The Dow Chemical Company, Midland, Mich. Xenyl aryloxy alkyl ethers and making same. 2,248,491; July 8.
Coleman, Gerald H. (See Britton, E. C., Coleman, and Perkins.)
Coley, Nelson B., Rochester, and M. C. Twitchell, Spencerport, assignors to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,248,660; July 8.
Collegiate Cap and Gown Company. (See Gelvin, Harold L., assignor.)
Collins, Don F., assignor to Baldwin Rubber Company, Pontiac, Mich. Apparatus for manufacturing floor mats. 2,248,743; July 8.
Collins, Ralph D. (See Wison, Ray O., assignor.)
Coltof, Willem, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Concentration of ores. 2,248,912; July 8.
Conboy, Russell D., Waterbury, assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,248,402; July 8.
Connor, Hugh M. (See Howell, Thomas J., assignor.)
Conrad, Ivan W., Washington, D. C. Automatic telegraphy. 2,248,522; July 8.
Continental Research Corporation. (See Gayer, F. H., and Fawkes, assignors.)
Cook, Everett J., assignor to H. H. Buggie & Company, Toledo, Ohio. Reproducing machine. 2,248,809; July 8.
Cooper, La Mar S., Erie, Pa., assignor to General Electric Company. Refrigerating system. 2,248,607; July 8.
Cormac, Patrick P. B. (See Cornelius, F. B. C., and Cormac.)
Cornelius, Frederick B., Stanton-by-Dale, and P. P. B. Cormac, Blackheath, London, assignors to Rubber Cement Products Limited, London, England. Protection of pipes and like hollow bodies. 2,248,098; July 8.
Corso, Frank S., Beechhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone booth. 2,248,810; July 8.
Cory, Harry T., Washington, D. C. Stripping harvester. 2,248,066; July 8.
Cossey, Laura. (See Hickman, W., and Cossey.)
Cotterman, Don R., assignor to Baldwin Rubber Company, Pontiac, Mich. Manufacturing floor coverings. 2,248,811; July 8.
Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Vehicle transmission gearing. 2,248,492; July 8.
Coulson, Charles H., Hanover, Pa. Cutting device for beet breasts. 2,248,855; July 8.
Coultas, Wilbur J. (See Budelier, C., and Coultas.)
Courtaulds, Limited. (See Givens, John H., assignor.)
Crabtree, R. W., & Sons Limited. (See Auld, John T., assignor.)
Crafts, Curtis S., Oak Park, assignor to Goss Printing Press Company, Chicago, Ill. Positioning and holding printing plates. 2,248,612; July 8.
Crawford, Earl L., Whittier, Calif. Well apparatus. 2,248,160; July 8.
Cretors, Charles J., Chicago, Ill. Corn popping apparatus. 2,248,812; July 8.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation. 2,248,745; July 8.
Cross, Ernest J., Westcliff-on-Sea, assignor to Betterway Ideas Limited, London, England. Scoreboard for games. 2,248,161; July 8.
Cross, Leonard H., Nassau County, N. Y. Sheet registering mechanism. 2,248,567; July 8.
Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
Crown Cork & Seal Company. (See Newton, George W., assignor.)
Crumb, Florence E., Harvard, Ill. Knitting needle. 2,248,341; July 8.
Culver, Charles A., Northfield, Minn., assignor, by mesne assignments, to Hammond Instrument Company, Chicago, Ill. Alternator. 2,248,661; July 8.
Cummer Sons Cypress Company. (See Hulett, Earle C., assignor.)
Cummins Perforator Company. (See Swanson, Hjalmar A., assignor.)
Currie, William E. (See Linckh, E., and Winkler, assignors.)
Curtiss, George E., Jr., assignor to The Stanley Works, New Britain, Conn. Hinge. 2,248,493; July 8.
Curtiss-Wright Corporation. (See Huthorn, Charles E., assignor.)
Curtiss-Wright Corporation. (See Rowe, D. C., Graham, and Woodson, assignors.)
Cutler-Hammer, Inc. (See Krieger, Alvin W., assignor.)
Cutler-Hammer, Inc. (See Rosing, T. F., and Stevens.)
Daimler-Benz Aktiengesellschaft. (See Maruhn, Herbert, assignor.)
Daley, Samuel T., Akron, Ohio. Device and method of making ornamental designs. 2,248,613; July 8.
Daniels, David, Newark, N. J. Governed windmill wheel. 2,248,218; July 8.
D'Arcey, John, Swampscott, Mass. Refrigeration. 2,248,813; July 8.
Davis, Garland, H. B., Elizabeth, N. J., assignor to Standard Oil Development Company. Solvent extraction process. 2,248,067; July 8.
Davis, Kingsbury H., Closter, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal wave transmission system. 2,248,746; July 8.
Davis, McKinney G. (See Holden, L., and De Hibbs, assignors.)
Davison Chemical Corporation, The. (See Shoeld, Mark, assignor.)
Day, Percy C., Brookfield, assignor to The Falk Corporation, Milwaukee, Wis. Gear stabilizer. 2,248,219; July 8.
Dayton Type, Incorporated. (See Poeppelmeier, Frank H., assignor.)
Dazey Churn and Manufacturing Co. (See Moeller, George J., assignor.)
De Arnujo, Ozorio S., Rio de Janeiro, Brazil. Collection of index cards for homeopathic repertorial research. 2,248,162; July 8.
Deere & Company. (See Budelier, C., and Coultas, assignors.)
De Florez Engineering Co. (See de Florez, Luis, assignor.)
De Florez, Luis, Pomfret, assignor to De Florez Engineering Co., Inc., Hartford, Conn. Removing coke from coke stills. 2,248,903; July 8.
De Frees, Nicholas W., Hastings, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Fluid dispenser. 2,248,814; July 8.
Degnan, James, Corona, Long Island, assignor to Speedry Gravure Corporation, New York, N. Y. Protective device for web register control mechanism. 2,248,043; July 8.
De Groote, Melvin, University City, and A. F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,248,342; July 8.
De Hibbs, Cassell. (See Holden L., and De Hibbs.)
Dehmel, Richard C., Los Angeles, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transposition insulator. 2,248,044; July 8.
Dennstedt, Ingofroh. (See Meisenburg, K., Dennstedt, and Zaucker.)
Deserno, Peter, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzway, Germany. Television receiver. 2,248,815; July 8.
Deserno, Peter. (See Messner, M., and Deserno.)
Despard, Peter. (See Russell, M. N., and Despard.)
Dettmann, Herman J. (See Hoffmann, A. F., and Dettmann.)
Deutsche Gold- und Silber-Scheideanstalt. (See Albrecht, C., and Bonath, assignors.)
Devore, Robert W., McHenry, and B. H. Young, Chicago, Ill. Stand for electric fans. 2,248,068; July 8.
Dewey and Almy Chemical Company. (See Ross, W. C., and Anderson, assignors.)
Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Interlocking mechanism. 2,248,747; July 8.
Dick, Talbert M., and M. J. Fletcher, assignors to T. M. Dick, as trustee for Cadet Smoke Stand Company, a common-law trust, doing business at Des Moines, Iowa. Tobacco ash receptacle. 2,248,163; July 8.
Dicke, Oscar H., Rochester, N. Y. Transmitting time signals. 2,248,164; July 8.
Dicke, Oscar H., Rochester, N. Y. Sustained power electric clock. 2,248,165; July 8.
Dieckmann, Armin J., Saginaw, Mich. Bridge indicator. 2,248,856; July 8.
Dingilian, Dikran. (See Feeley, P., and Dingilian.)

Distillers Company Limited, The. (See Philip, T. H., Stanley and Wood, assignors.)
Distillers Company Limited, The. (See Stanley, H. M., Minkoff, and Youell, assignors.)
Dobson, Edward, Newark, N. J. Eyeglass pad construction. 2,248,816; July 8.
Dobson, Scott S. (See Hall, William M. P., assignor.)
Dodge, H. B., and Company. (See Nottingham, Edward B., assignor.)
Doehler Die-Casting Co. (See Pack, Charles, assignor.)
Dominion Electrical Manufacturing, Inc. (See Fischer, William H., assignor.)
Domries, Otto W., Anaheim, assignor to H. B. and S. Rapp, doing business as Towner Manufacturing Co., Santa Ana, Calif. Implement construction. 2,248,069; July 8.
Dons, Eddie M., and O. G. Mauro, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Separating constituents of mineral oils. 2,248,220; July 8.
Dooley, Clarence H., et al. (See Snow, Herbert C., assignor.)
Dooley, Delmar D., et al. (See Snow, Herbert C., assignor.)
Dooley, H. Keith, et al. (See Snow, Herbert C., assignor.)
Dornier, Claude, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Propeller blade. 2,248,221; July 8.
Dornier-Werke G. m. b. H. (See Dornier, Claude, assignor.)
Dorsey, John W., Winnipeg, Manitoba, Canada. Rectifier tube. 2,248,425; July 8.
Dow Chemical Company, The. (See Boundy, R. H., and Dreisbach, assignors.)
Dow Chemical Company, The. (See Britton, E. C., Coleman, and Perkins, assignors.)
Dow Chemical Company, The. (See Coleman, G. H., Mills, and Moore, assignors.)
Dow Chemical Company, The. (See Dreisbach, R. R., and Boundy, assignors.)
Dow Chemical Company, The. (See Hanawalt, Joseph D., assignor.)
Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,248,045; July 8.
Draper, Charles S., Cambridge, Mass., and W. McKay, assignors to Sperry Products, Inc., Brooklyn, N. Y. Magnetic compass. 2,248,748; July 8.
Draper Corporation. (See Brown, Carl D., assignor.)
Dreisbach, Robert R., and R. H. Boundy, assignors to The Dow Chemical Company, Midland, Mich. Nonflammable heat transfer agent. 2,248,494; July 8.
Dreisbach, Robert R. (See Boundy, R. H., and Dreisbach.)
Dubin, Ennis. (See Freedman, L., and Dubin.)
Duckstein, Martin, Obermenzing, Munich, assignor to B M W Flugmotoren Gesellschaft m. b. H., Munich, Germany. Additional lubricating device for aircraft engines. 2,248,568; July 8.
Dudley, Edward C., Fresno, Calif. Hydraulic pump. 2,248,449; July 8.
Dudley Lock Corporation. (See Hamilton, William E., assignor.)
Duisberg, Walther H. (See Klesskalt, Siegfried, assignor.)
Duisberg, Walther H. (See Zintl, E., Brauning, and Krings, assignors.)
Du Pont, E. I., de Nemours & Co. (See Koller, Joseph P., assignor.)
Du Puy, John B., et al. (See Adcock, John R., assignor.)
Dupy, Olin L., assignor of ten percent to W. E. Beatty, Los Angeles, Calif. Regulator. 2,248,495; July 8.
Durham, Robert L., Buena Vista, Va. Harness. 2,248,697; July 8.
Duriron Company, The. (See Jacobsen, Oystein, assignor.)
Dyckerhoff, Walter R. G. (See Scailles, J. C., and Dyckerhoff.)
Edhofer, Georg, and G. Wolff, assignors to Dr. Alexander Wacker Ges. für Elektrochemische Industrie m. b. H., Munich, Germany. Apparatus for treating solid materials with volatile organic solvents. 2,248,662; July 8.
Edwards, O. M., Company, The. (See Chaffee, Edward F., assignor.)
Effenberger, Willibald, Feilbach near Stuttgart, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany. Seat cushion. 2,248,917; July 8.
Effert, Edward V., Philadelphia, Pa. Pinless display and clothesline. 2,248,818; July 8.
Eger, Ernst, Grosse Pointe Park, and R. F. Ternes, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Valve stem cap. 2,248,450; July 8.
Eger, Ernst, Grosse Pointe Park, and R. F. Ternes, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y. Tire valve stem assembly. 2,248,451; July 8.
Eggert, John, Leipzig, and G. Heymer, Wolfen, Kreis Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Copying lenticular films. 2,248,904; July 8.
Egry Register Company, The. (See Pfeiffer, William C., assignor.)
Elben, Vincent G., Lakewood, Ohio. Electrical housing box 2,248,817; July 8.
Eilers, Charles A., Montague, Mich. Can opener. 2,248,166; July 8.
Elberty, Robert S., Jr. (See Hollengreen, M. A., and Gurney, Boller, and Elberty.)
Electric Household Utilities Corporation. (See Jensen, Joseph W., assignor.)
Electric & Musical Industries Limited. (See Green, Eric A., assignor.)
Electric Storage Battery Company, The. (See Woodbridge, Joseph L., assignor.)
Electrolux Corporation. (See Bilde, Tord E. D., assignor.)
Ellenbecker, Wilbur W., Appleton, Wis. Knot tier. 2,248,698; July 8.
Elliott Addressing Machine Company, The. (See Elliott, Harmon P., assignor.)
Elliott, Harmon P., Watertown, Mass., assignor to The Elliott Addressing Machine Company. Statement printing machine. 2,248,403; July 8.
Elliott, Harmon P., Watertown, Mass., assignor to The Elliott Addressing Machine Company. Metal insert for card stencils. 2,248,404; July 8.
Elliott, Harold F., Palo Alto, Calif. Carrier wave system. 2,248,343; July 8.
Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic micrometer. 2,248,569; July 8.
Elsey, George W., Western Springs, Ill., assignor to General Motors Corporation, Detroit, Mich. Making rotors. 2,248,167; July 8.
Emerson, Sam W. (See Jaworowski, Joseph F., assignor.)
Emulsol Corporation, The. (See Katzman, M. B., and Epstein, assignors.)
Engelhardt, Rudolf, Leverkusen-I. G. Werk, and C. Heuck, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Jasco Incorporated. Composition of matter. 2,248,749; July 8.
Ensign-Carburetor Co. (See Ensign, Roy F., assignor.)
Ensign, Roy F., San Marino, assignor to Ensign Carburetor Co., Ltd., Huntington Park, Calif. Liquid gas converter and regulator. 2,248,222; July 8.
Epps, Louis J., Detroit, Mich. Bumper. 2,248,344; July 8.
Epstein, Albert K. (See Katzman, M. B., and Epstein.)
Erickson, George L., Hasbrouck Heights, N. J., and J. E. Boughtwood, Brooklyn, assignors to The Western Union Telegraph Company, New York, N. Y. Automatic bias corrector. 2,248,857; July 8.
Erickson, Orrin L., assignor of one-half to P. A. Westlund, Minneapolis, Minn. Rotary pump. 2,248,452; July 8.
Evans, Theodore W. (See Marple, K. E., and Evans.)
Excelsior Pearl Works, Inc. (See Knott, Warren E., assignor.)
Fabrica Italiana Magneti Marelli Società Anonima. (See Kamenarović, Leone, assignor.)
Fahlen, Frederick T., Phoenix, Ariz. Single-trigger device. 2,248,858; July 8.
Fairfield Manufacturing Company. (See Boor, Francis H., assignor.)
Falk Corporation, The. (See Day, Percy C., assignor.)
Fanger, Herman J., assignor to G. G. Glenn, Oakland, Calif. Welding transformer. 2,248,070; July 8.
Fanner Manufacturing Company, The. (See Schane, Edward H., assignor.)
Faus, Harold T., Lynn, Ma[illegible], assignor to General Electric Company. Telemetering system. 2,248,616; July 8.
Fawkes, Charles E. (See Gayer, F. H., and Fawkes.)
Federal Telegraph Company. (See Frankel, Sidney, assignor.)
Feeley, Paul, and D. Dingilian, New York, N. Y. Article made of Cellophane. 2,248,617; July 8.
Fellman, Milton. (See Fellman, Pauline and M.)
Fellman, Pauline and M., Long Beach, N. Y. Bicycle. 2,248,223; July 8.
Ferguson, Arthur P., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Remote control fender shield latch. 2,248,750; July 8.
Fernberg, Eric B., Pinner, assignor to Ferntol Patents Limited, London, England. Fastener. 2,248,224; July 8.
Ferntol Patents Limited. (See Fernberg, Eric B., assignor.)
Ferrant, Wolfgang, Berlin-Reinickendorf, Germany, assignor to General Electric Company. Vacuum measuring device. 2,248,614; July 8.
Ferree, Jay W. (See Osolin, A., and Ferree.)
Ferreri, Andrew, Chicago, Ill. Game apparatus. 2,248,859; July 8.
Fetterman, Oscar B., Washington, D. C. Fence wicket. 2,248,860; July 8.
"Fides" Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Müller, Konrad, assignor.)
"Fides" Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Wochinger, Eduard, assignor.)
Fielding, Alfred E. (See Chamberlain, Leon E., assignor.)
Fingar, Ralph M., Painted Post, and C. Taylor, Corning, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J. Engine governor. 2,248,453; July 8.
Finnell System, Inc. (See Finnell, Walter S., assignor.)
Finnell, Walter S., assignor to Finnell System, Inc., Elkhart, Ind. Floor scrubbing machine. 2,248,699; July 8.

Finnell, Walter S., assignor to Finnell System, Inc., Elkhart, Ind. Powder dispenser. 2,248,700; July 8.
Firestone Tire & Rubber Company, The. (See Hatch, James W., assignor.)
Firestone Tire & Rubber Company, The. (See Morris, Harold B., assignor.)
Firestone Tire & Rubber Company, The. (See Rathbun, Alan E., assignor.)
Firma Sächsische Armaturen Fabrik W. Michalk & Sohn. (See Bär, Kurt, assignor.)
First Central Trust Company, The. (See May, Carl A., assignor.)
Fischer, Robert A., Glendale, Calif. Bactericidal apparatus. 2,248,618; July 8.
Fischer, Werner. (See Ruzicka, L., and Fischer.)
Fischer, William H., Des Plaines, Ill., assignor to Dominion Electrical Manufacturing, Inc. Thermostatic switch. 2,248,666; July 8.
Fisher, Ernest F., Springfield, Ill. Sludge separator. 2,248,665; July 8.
Fisher, Harold W., Cranford, N. J., assignor to Standard Oil Development Company. Plastic polymer compositions. 2,248,071; July 8.
Fitz Maurice, Richard J. (See Harris, Gwin C., assignor.)
Fleissner, Heinrich, Augsburg, Germany. Massaging device. 2,248,525; July 8.
Fletcher, Maurice J. (See Dick, T. M., and Fletcher.)
Flynn, Edward J., Schenectady, N. Y., assignor to General Electric Company. Wire coating device. 2,248,663; July 8.
Fonda, Bayard P., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Dehumidifier. 2,248,225; July 8.
Foote Mineral Company. (See Russell, Howard W., assignor.)
Ford, Frank R., Limited. (See Ford, Frank R., assignor.)
Ford, Frank R., Sparkbrook, Birmingham, assignor to Frank R. Ford Limited, Birmingham, England. Manifolding machine. 2,248,046; July 8.
Ford Instrument Company. (See Fry, Macon, assignor.)
Forney, William E., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Refining lubricating oil stock. 2,248,496; July 8.
Fourness, Charles A., Appleton, and C. J. Greiner, Menasha, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Method and machine for folding sanitary napkins. 2,248,667; July 8.
Fowler, Harold W., Goshen, Ind. Coupling. 2,248,701; July 8.
Fowler, Owen H., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,248,426; July 8.
Fox, John H., Pittsburgh, R. A. Miller, Tarentum, and W. O. Lytle, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company. Laminated wood-glass product. 2,248,702; July 8.
Francastel, Jacques P. H., Paris, France, assignor to The Rawlplug Company Limited, London, England. Hammer. 2,248,523; July 8.
François, Auguste E., Paris, France. Apparatus for disintegrating cereals and other granular materials. 2,248,526; July 8.
Franke, Clarence S., St. Louis, Mo. Heating apparatus. 2,248,524; July 8.
Frankel, Sidney, New York, N. Y., assignor to Federal Telegraph Company, Newark, N. J. Transmission modifying network. 2,248,751; July 8.
Franklin, Bernard S., assignor to Louis Marx & Company, Inc., New York, N. Y. Sound producing track and wheeled toy. 2,248,473; July 8.
Franz, Charles H., Jr., Wauwatosa, assignor to The Heinn Company, Milwaukee, Wis. Loose-leaf binder. 2,248,345; July 8.
Frauenthal, Harold, assignor to Bantam Bearings Corporation, South Bend, Ind. Bearing means. 2,248,615; July 8.
Freedman, Louis, Mount Vernon, and H. E. Dubin, New Rochelle, assignors to U. S. Vitamin Corporation, New York, N. Y. Process for extraction. 2,248,619; July 8.
Freedman, Louis, Mount Vernon, and H. E. Dubin, New Rochelle, assignors to U. S. Vitamin Corporation, New York, N. Y. Extraction apparatus. 2,248,620; July 8.
Freeman, Harold K., assignor to The Master Electric Company, Dayton, Ohio. Slinger ring. 2,248,405; July 8.
Freimark, Arthur, New York, N. Y. Trouser and leg protector. 2,248,454; July 8.
Freund, Fred, New York, N. Y. Coat and knapsack combination. 2,248,455; July 8.
Friedman, Edward, Lawrence, N. Y. Article of wearing apparel. 2,248,861; July 8.
Friedman, Joseph, New York, N. Y. Index digest. 2,248,703; July 8.
Friedrich, Walter, Aue, Saxony, Germany. Nut locking device. 2,248,226; July 8.
Frost, John G. (See Taper, O. C., and Frost.)
Fry, Macon, Westwood, N. J., assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Motor control. 2,248,072; July 8.
Fryer, Louis S., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for drying thread-like articles. 2,248,406; July 8.
Fuel Refining Corporation. (See Otto, Carl, assignor.)
Furay, Carl N., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Cylinder head. 2,248,664; July 8.
Gabler, Raymond J. (See Rhodes, G. V., and Gabler.)
Gage, André M., Saint-Ouen, France. Pulsator for fluids. 2,248,073; July 8.
Gantet, Pierre, Courbevoie, France. Tuned circuit. 2,248,227; July 8.
Gardiner, William C. (See Taylor, M. C., and Gardiner.)
Garman, Reed W., South Pasadena, Calif. Apparatus for coking petroleum. 2,248,677; July 8.
Gary, V. S., et al. (See Phillips, James G., assignor.)
Gates Rubber Company, The. (See Nassimbene, Ernest, assignor.)
Gayer, Frederick H., and C. E. Fawkes, assignors to Continental Research Corporation, Chicago, Ill. Recovery of phytosterol. 2,248,346; July 8.
Gee, William P., Plainfield, N. J., assignor to The Texas Company, New York, N. Y. Dewaxing hydrocarbon oil. 2,248,668; July 8.
Geertz, Eric, Glen Ellyn, assignor to Cardox Corporation, Chicago, Ill. Fire extinguishing method. 2,248,270; July 8.
Gelvin, Harold I., Champaign, Ill., assignor to Collegiate Cap and Gown Company. Mortarboard cap. 2,248,497; July 8.
General Aniline & Film Corporation. (See Glietenberg, E., Hilger, and Hartmann, assignors.)
General Aniline & Film Corporation. (See Kirst, W., Alt, and Krzikalla, assignors.)
General Aniline & Film Corporation. (See Miller, A., and Schimdt, assignors.)
General Aniline & Film Corporation. (See Roehrl, Bruno C., assignor.)
General Aniline & Film Corporation. (See Ulrich, H., and Ploetz, assignors.)
General Aniline & Film Corporation. (See Winkeler, H., and Petz, assignors.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Alexanderson, E. F. W., and Mittag, assignors.)
General Electric Company. (See Bagley, William A., assignor.)
General Electric Company. (See Bany, Herman, assignor.)
General Electric Company. (See Boersch, Hans, assignor.)
General Electric Company. (See Camilli, Guglielmo, assignor.)
General Electric Company. (See Cockrell, William D., assignor.)
General Electric Company. (See Cooper, La Mar S., assignor.)
General Electric Company. (See Faus, Harold T., assignor.)
General Electric Company. (See Ferrant, Wolfgang, assignor.)
General Electric Company. (See Flynn, Edward J., assignor.)
General Electric Company. (See Gillette, Robert T., assignor.)
General Electric Company. (See Hand, Arthur R., assignor.)
General Electric Company. (See Helwig, H–J, and Maetschke, assignors.)
General Electric Company. (See Herskind, Carl C., assignor.)
General Electric Company. (See Hull, Edwin H., assignor.)
General Electric Company. (See Johnson, R. P., and Quinlan, assignors.)
General Electric Company. (See Knight, Henry D., assignor.)
General Electric Company. (See Marsden, James, assignor.)
General Electric Company. (See McNairy, Jacob W., assignor.)
General Electric Company. (See Norgaard, Donald E., assignor.)
General Electric Company. (See Reger, M., and Jancke, assignors.)
General Electric Company. (See Rowell, Ralph M., assignor.)
General Electric Company. (See Shanklin, G. B., and Sheals, assignors.)
General Electric Company. (See Shaw, Hubert R., assignor.)
General Electric Company. (See Strickland, Royal F., assignor.)
General Electric Company. (See Thumim, Carl, assignor.)
General Electric Company. (See Wall, Alexander C., assignor.)
General Electric Company. (See Weeks, Walter R., assignor.)
General Electric Company. (See Yoder, Joe, assignor.)
General Motors Corporation. (See Bacon, Elbridge F., assignor.)
General Motors Corporation. (See Bernt, Russell, assignor.)
General Motors Corporation. (See Elsey, George W., assignor.)
General Motors Corporation. (See Henney, Charles F., assignor.)
General Motors Corporation. (See Hill, Robert H., assignor.)

General Motors Corporation. (See Leach, Albert E., assignor.)
General Motors Corporation. (See Rei, C. W., assignor.)
General Motors Corporation. (See Schwartzwalder, K., and Rulka, assignors.)
General Motors Corporation. (See Waterhouse, Charles L., Jr., assignor.)
General Railway Signal Company. (See Coley, N. B., and Twitchell, assignors.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Spring Corporation. (See Wood, Joseph K., assignor.)
General Time Instruments Corporation. (See Neureuther, Andrew H., assignor.)
General Time Instruments Corporation. (See Reinhardt, Joseph A., assignor.)
General Tire & Rubber Company, The. (See Veesey, William E., assignor.)
Geneva Processes, Inc. (See McLean, William A., assignor.)
Gesellschaft für Linde's Eismaschinen A.-G. (See Krause, Georg A., assignor.)
Gibert, Carlos M., New York, N. Y. Mouth Beautifier. 2,248,533; July 8.
Gil, Maria R. M., Mexico City, Mexico. Electric curler for permanently giving a marcel waving to the hair. 2,248,527; July 8.
Gillette, Robert T., Scotia, N. Y., assignor to General Electric Company. Fabricating welded assemblies. 2,248,621; July 8.
Givens, John H., Coventry, assignor to Courtaulds, Limited, London, England. Manufacture and production of artificial filaments and apparatus therefor. 2,248,862; July 8.
Glaser, Leo B., Drexel Hill, J. M. Bowman, Philadelphia, Pa., and J. A. Briggs, Erlton, N. J., assignors, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Tuning device for radio receivers or the like. 2,248,678; July 8.
Gleason, George A. (See Brickman, A. E., and Gleason.)
Gleason, James E., assignor to Gleason Works, Rochester, N. Y. Cutter for chamfering gears. 2,248,168; July 8.
Gleason Works. (See Gleason, James E., assignor.)
Glenn, George G. (See Fanger, Herman J., assignor.)
Glidden Company, The. (See Juredine, Gordon M., assignor.)
Glietenberg, Eugen, Leverkusen-I. G.-Werk, and J. Hilger and W. Hartmann, Leverkusen-Wiesdorf, Germany, assignors to General Aniline & Film Corporation. Trisazo dyestuffs. 2,248,074; July 8.
Globe Oil Tools Company. (See Catland, Alfred C., assignor.)
Goldmann, Joachim, New York, N. Y., and R. v. Ottenthal, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Radio transmitter for obtaining course lines. 2,248,752; July 8.
Goldsmith, William H., Jr., Brookline, assignor to Abington Textile Machinery Works, Boston, Mass. Card stripping apparatus. 2,248,863; July 8.
Golecki, Bruno, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Electromagnetic horn. 2,248,669; July 8.
Goodrich, B. F., Company, The. (See Jones, Paul C., assignor.)
Goodwin, George L., Detroit, Mich. Clutch plate. 2,248,228; July 8.
Gordon, Hamilton, Weyburn, Elstead, and S. H. Attwood, New Malden, assignors to Attwood Diesel Equipment Company Limited, London, England. Tappet operating arrangement for internal combustion engines. 2,248,528; July 8.
Gordon, Hamilton, Weyburn, Elstead, and S. H. Attwood, New Malden, assignors to Attwood Diesel Equipment Company Limited, London, England. Fuel injection apparatus for internal combustion engines. 2,249,529; July 8.
Gore, James L., assignor to Stolp-Gore Co., Chicago, Ill. Feeding device for metalized material or gold leaf. 2,248,298; July 8.
Goss Printing Press Company. (See Crafts, Curtis S., assignor.)
Gossel, Erich. (See Puhlmann, W., and Gossel.)
Government and people of the United States. (See Avery, George S., assignor.)
Government of the United States of America as represented by the Secretary of War. (See Blaney, Jesse M.)
Graham, Clarence R. (See Rowe, D. C., Graham, and Woodson.)
Grand Rapids Fibre Cord Company. (See Sackner, Wade E., assignor.)
Granger, Edson R., and R. E. Cleveland, Waterbury, Conn. Metal article having antifriction surface. 2,248,530; July 8.
Granger, Paul H., Los Angeles, Calif. Oil well tool. 2,248,169; July 8.
Green, Alfred L., Ashfield, New South Wales, Australia, assignor to Radio Corporation of America. Frequency control system. 2,248,753; July 8.
Green, Eric A., Southall, assignor to Electric & Musical Industries Limited Hayes, Middlesex, England. Frequency controlling system. 2,248,229; July 8.
Greiner, Charles J. (See Fourness, C. A., and Greiner.)
Greiner, Ernst W., New Castle, Pa. Safety goggles. 2,248,864; July 8.
Griepenstroh, Arthur W., Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorbing strut. 2,248,865; July 8.
Griffin, Joseph D., Johannesburg, Transvaal, South Africa. Salt bath furnace. 2,248,474; July 8.
Griffiths, John B., and A. Brown, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Railway signal and/or points control system. 2,248,704; July 8.
Griggs, Kirk. (See Quinby, Floyd R., assignor.)
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Multiple combined stack and individual waste and group venting assembly. 2,248,075; July 8.
Gross, Howard H., and W. Smisloff, Fishkill, assignors to The Texas Company, New York, N. Y. Dewaxing hydrocarbon oil. 2,248,498; July 8.
Gruber, Morris M., New York, N. Y., and G. J. Saliba, Englewood, N. J., assignors to Presto Recording Corporation, New York, N. Y. Reversible feed mechanism for recorders. 2,248,622; July 8.
Gruse, William A. (See Stevens, D. R., and Gruse.)
Guin, Lester W., Mishawaka, and J. L. Cissell, assignors to South Bend Current Controller Company, South Bend, Ind. Circuit controlling device. 2,248,271; July 8.
Gulf Oil Corporation. (See Park, Tracy S., assignor.)
Gulf Oil Corporation. (See Stevens, D. R., and Gruse, assignors.)
Gulf Research & Development Company. (See Stevens, D. R., and Gruse, assignors.)
Gulf Research & Development Company. (See Stillson, G. H., and Sawyer, assignors.)
Gulf Research & Development Company. (See Vacquier, V. V., and Salvetti, assignors.)
Gulick, Russell A., Winthrop, Mass., assignor, by mesne assignments, to Stator Corporation. Aspirator assembly. 2,248,230; July 8.
Gurney, Daniel. (See Hollengreen, M. A., Gurney, Boller, and Elberty.)
Guthmann, Eugene Y., Philadelphia, Pa. Injector. 2,248,679; July 8.
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Locking thread case for sewing machines. 2,248,347; July 8.
Hagen, Wolfgang, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Band-filter device. 2,248,754; July 8.
Hall, Edward M., Omaha, Nebr. Wall construction. 2,248,348; July 8.
Hall, William M. P., assignor of one-half to S. S. Dobson, Cerro Gordo, Ill. Monument. 2,248,866; July 8.
Hallman, Julian O., Sr., Blackshear, Ga. Device for liquefying honey. 2,248,867; July 8.
Hallock, Robert L., Larchmont, N. Y. Ice tray. 2,248,680; July 8.
Ham, Garnet P., Old Greenwich, and R. B. Barnes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Concentrated photographic fixing and hardening sirup. 2,248,905; July 8.
Hamilton, Francis C., Columbia, assignor of one-half to L. R. Schuessler, St. Louis, Mo. Sipper. 2,248,231; July 8.
Hamilton, Lyle A. (See Bulkley, R., Hamilton, and Kalichevsky.)
Hamilton, William E., Evanston, assignor to Dudley Lock Corporation, Chicago, Ill. Cylinder lock. 2,248,475; July 8.
Hammond Instrument Company. (See Culver, Charles A., assignor.)
Hanawalt, Joseph D., assignor to The Dow Chemical Company, Midland, Mich. Method and apparatus for preparing metal castings. 2,248,868; July 8.
Hand, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Protective device. 2,248,623; July 8.
Hansen, Robert G., Renton, Wash. Adjustable carrying bracket for automobiles. 2,248,170; July 8.
Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pilot wire neutralization. 2,248,705; July 8.
Harley, Stanley J., and J. E. Wainwright, Coventry, England. Tool for dressing grinding wheels. 2,248,427; July 8.
Harrington, Ferris T., assignor to Vickers, Incorporated, Detroit, Mich. Constant pressure regulator. 2,248,076; July 8.
Harris, Benjamin R., Chicago, Ill. Egg filtering and treating apparatus. 2,248,077; July 8.
Harris, Elliot H., New York, N. Y. Muffling and cooling device for internal combustion engines. 2,248,456; July 8.
Harris, Gwin C., assignor, by mesne assignments, to R. J. Fitz Maurice, Orange, N. J. Thermostat. 2,248,531; July 8.
Harris-Seybold-Potter Company. (See Harrold, C. W., and Pritchard, assignors.)
Harris, Stanton A., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Preparing vitamin B_6. 2,248,078; July 8.
Harrison, Mortimer C., Chicago, Ill. Clamping device for paperhangers' outfits. 2,248,299; July 8.

Harrold, Charles W., University Heights, and H. A. Pritchard, Hiram, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio. Sheet feeding mechanism. 2,248,079; July 8.
Hart Manufacturing Company, The. (See Birk, Harold W., assignor.)
Hart, Sterling P., Long Beach, Calif., assignor to The Texas Company, New York, N. Y. Treatment of oil wells. 2,248,457; July 8.
Hartmann, Willi. (See Glietenberg, E., Hilger, and Hartmann.)
Harwick, Henry K., Darby, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Resilient mounting device. 2,248,869; July 8.
Hasegawa, Shuji. (See Kondo, H., and Hasegawa.)
Haselton, Merton L., Rye, assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y. Signal transmitting means. 2,248,819; July 8.
Haselton, Merton L., assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y. Electrical indicating means. 2,248,820; July 8.
Haselton, Merton L., Rye, and H. F. May, Valley Stream, assignors to Teleregister Corporation, New York, N. Y. Rectifier and control means therefor. 2,248,821; July 8.
Hatch, James W., Detroit, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Braking mechanism. 2,248,171; July 8.
Hathaway, Austin H., Pasadena, assignor to Lyon Van & Storage Co., Los Angeles, Calif. Trailer. 2,248,080; July 8.
Hathorn, Charles E., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Rivet. 2,248,755; July 8.
Hatmaker, J. Kelly, et al. (See Adcock, John R., assignor.)
Haworth, James G., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for removing plaster from plate glass surfacing tables. 2,248,232; July 8.
Haworth, Robert E. (See Blondon, I. J., and Haworth.)
Hay, Oscar, Los Angeles, Calif. Brassiere. 2,248,300; July 8.
Heather, Charles H. (See Pratt, J. W., and Heather.)
Heidbrink, Jay A., Minneapolis, Minn., assignor, by mesne assignments, to Air Reduction Company, Incorporated. Inhalation device for use in aviation at high altitudes. 2,248,349; July 8.
Heinn Company, The. (See Franz, Charles H., Jr., assignor.)
Heintz, James C., Lakewood, Ohio. Belt splice vulcanizer. 2,248,499; July 8.
Heller, Maximilian, Vienna, Germany. Upholstery springing. 2,248,913; July 8.
Helm, David F. (See Marini, L. G., Jr., and Helm.)
Helwig, Hans-Joachim, Berlin-Schoenberg, and M. Maetschke, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Flashlight lamp. 2,248,670; July 8.
Hemmingsen, Torkild V., Copenhagen, Denmark. Welded frame and bedplate for vertical piston machines. 2,248,681; July 8.
Hemphill Company. (See Cloutier, Arthur N., assignor.)
Hemphill Company. (See Hutton, A. L., Jr., and St. Pierre, assignors.)
Hemphill Company. (See Smith, William L., Jr., assignor.)
Henney, Charles F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,248,756; July 8.
Henschel Flugzeug-Werke Aktiengesellschaft. (See Oeckl, Otto, assignor.)
Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Surfaced wall board and the like. 2,248,233; July 8.
Herman, Dean A., Fort Sill, Okla. Electromechanical phonographic announcer. 2,248,081; July 8.
Herman, William P., Providence, R. I. Contact plug assembly. 2,248,082; July 8.
Herold, Edward W., Verona, N. J., assignor to Radio Corporation of America. Compression-expansion system. 2,248,757; July 8.
Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Spinning ring and traveler therefor. 2,248,914; July 8.
Herr Manufacturing Company. (See Herr, Harvey E., assignor.)
Herring, John H. (See McDaniel, L. M., and Herring.)
Herskind, Carl C., Schenectady, N. Y., assignor to General Electric Company. Electric valve control circuits. 2,248,624; July 8.
Herskind, Carl C., Schenectady, N. Y., assignor to General Electric Company. Electric valve control circuit. 2,248,625; July 8.
Herskind, Carl C., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 2,248,626; July 8.
Heuck, Claus. (See Engelhardt, R., and Heuck.)
Heymer, Gerd. (See Eggert, J., and Heymer.)
Hickman, Wenona, and L. Cossey, Danville, Ill. Individual milk bottle carrier. 2,248,234; July 8.
High Standard Manufacturing Company, The. (See Wilson, George A., assignor.)
Higonnet, René A. E., and R. M. Lucas, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Optical system for reducing the viewing angle of certain devices such as photoelectric cells. 2,248,758; July 8.
Hilbish, Joseph M., and J. K. McCahan, Pittsburgh, Pa. Removable roof structure. 2,248,500; July 8.
Hilger, Josef. (See Glietenberg, E., Hilger, and Hartmann.)
Hill, Robert H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Control system. 2,248,350; July 8.
Hindahl, David, assignor to Rodger Ballast Car Company, Chicago, Ill. Gearing device. 2,248,706; July 8.
Hofer, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Modulation system. 2,248,083; July 8.
Hoffman, Jacob N., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,248,570; July 8.
Hoffmann, Anthony F., and H. J. Dettmann, Dubuque, Iowa. Dental matrix band. 2,248,532; July 8.
Hohl, Russell L., New York, N. Y. Wall construction. 2,248,671; July 8.
Holbrook, John K., assignor to Holbrook Microfilms, Inc., New York, N. Y. Photographic apparatus. 2,248,627; July 8.
Holbrook Microfilms, Inc. (See Holbrook, John K., assignor.)
Holcomb, Philo, Jr., Great Neck, N. Y. Lighting control system. 2,248,084; July 8.
Holcomb, Philo, Jr., Great Neck, N. Y. Lighting control system. 2,248,085; July 8.
Holden, Lillian, and C. De Hibbs, assignors of one-third to McK. G. Davis, Fort Worth, Tex. Airplane construction. 2,248,235; July 8.
Hollander, Joseph J., Chicago, Ill. Revolvable electric plug. 2,248,759; July 8.
Hollengreen, Milburn, A. D. Gurney, J. A. Boller, and R. S. Elberty, Jr., assignors to Landis Tool Company, Waynesboro, Pa. Race grinder. 2,248,172; July 8.
Holley, Earl, et al. (See Kittler, M. J., assignor.)
Holley, George M., et al. (See Kittler, Milton J., assignor.)
Hollins, Abraham and J., Brooklyn, N. Y. Antenna grille guard. 2,248,236; July 8.
Hollins, Jesse. (See Hollins, Abraham and J.)
Holmes, Gifford I., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,248,672; July 8.
Holtz, Frederick C., assignor to Sangamo Electric Company, Springfield, Ill. Electric clock system. 2,248,237; July 8.
Hooper, Harold A. (See Hooper, William J., assignor.)
Hooper, William J., Elsah, assignor of one-half to H. A. Hooper, Chicago, Ill. Connector. 2,248,238; July 8.
Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Casting metal bodies. 2,248,628; July 8.
Horacek, John A., et al. (See Parsons, Frank H., assignor.)
Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,248,707; July 8.
Houdaille-Hershey Corporation. (See Fergueson, Arthur P., assignor.)
Hondry Process Corporation. (See Pew, Arthur E., assignor.)
Howe Folding Furniture, Inc. (See Howe, Harold, assignor.)
Howe, Harold, Darien, Conn., assignor to Howe Folding Furniture, Inc., New York, N. Y. Folding table. 2,248,871; July 8.
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Traffic controlling system for railroads. 2,248,673; July 8.
Howell, Thomas J., assignor of one-half to H. M. Connor, Anniston, Ala. Lock for loom shuttles. 2,248,872; July 8.
Howie, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Method and machine for knitting. 2,248,501; July 8.
Hudson, H. D., Manufacturing Company. (See De Frees, Nicholas W., assignor.)
Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Button-positioning mechanism. 2,248,086; July 8.
Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Selective orienting button positioning machine. 2,248,087; July 8.
Hughes, Howard R., Houston, Tex., and S. A. Bell, Glendale, Calif., assignors to Hughes Tool Company, Houston, Tex. Checking system for aircraft. 2,248,351; July 8.
Hughes Tool Company. (See Hughes, H. R., and Bell, assignors.)
Hulbert, George E. (See Indge, H. S., and Hulbert.)
Hulett, Earle C., assignor to Cummer Sons Cypress Company, Jacksonville, Fla. Container. 2,248,682; July 8.
Hull, Charles J., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Electric switch mechanism. 2,248,674; July 8.
Hull, Edwin H., Scotia, N. Y., assignor to General Electric Company. Machine and supporting arrangement therefor. 2,248,629; July 8.
Humes, Guy B., Chicago, Ill. Mute for trumpets or like instruments. 2,248,352; July 8.
Hummel, William E., Santa Barbara, Calif. Cigarette and cigar quencher. 2,248,873; July 8.
Humoco Corporation. (See Moore, George A., assignor.)
Huppert, William, New York, N. Y. Multiple finger electrical contact and making the same. 2,248,675; July 8.

Hutt, Reuben I., Wilmington, Del. Lock strip for connecting sheet metal parts. 2,248,874; July 8.
Hutton, Alfred L. Jr., Lonsdale, and E. St. Pierre, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Knitting machine. 2,248,875; July 8.
Hydraulic Brake Company. (See Fowler, Owen H., assignor.)
Hyskell, Ira D., New York, N. Y. Stock ticker. 2,248,173; July 8.
I. G. Farbenindustrie Aktiengesellschaft. (See Eggert, J., and Heymer, assignors.)
Indge, Herbert S., and G. E. Hulbert, Westboro, assignors to Norton Company, Worcester, Mass. Cylindrical grinding and lapping machine. 2,248,353; July 8.
Indge, Herbert S., Westboro, and W. H. Wood, assignors to Norton Company, Worcester, Mass. Lapping machine. 2,248,502; July 8.
Industrial Rayon Corporation. (See Fryer, Louis S., assignor.)
Ingersoll, Frederick H. (See Coffeen, D. F., and Ingersoll.)
Ingersoll Milling Machine Company, The. (See Kampmeier, F. J., and Jacobson, assignors.)
Ingersoll-Rand Company. (See Fingar, R. M., and Taylor, assignors.)
Ingersoll-Rand Company. (See Morrison, W. A., and Bennett, assignors.)
Interchemical Corporation. (See Cassel, Norman S., assignor.)
International Cellucotton Products Company. (See Fourness, C. A., and Greiner, assignors.)
International Cellucotton Products Company. (See Thompson, Oscar T., assignor.)
International Standard Electric Corporation. (See Black, D. H., and Roche, assignors.)
International Standard Electric Corporation. (See Griffiths, J. B., and Brown, assignors.)
International Standard Electric Corporation. (See Higonnet, R. A. E., and Lucas, assignors.)
International Standard Electric Corporation. (See Perroux, Georges E. M., assignor.)
International Standard Electric Corporation. (See Terry, Victor J., assignor.)
Iron Fireman Manufacturing Company. (See Banfield, Thomas H., assignor.)
Jacobi, Emil R., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim. 2,248,708; July 8.
Jacobsen Manufacturing Company. (See Krenzke, William F., assignor.)
Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Self-priming centrifugal pump. 2,248,174; July 8.
Jacobson, Hugo W. (See Kampmeier, F. J., and Jacobson.)
Jamison, Bella, executor, et al. (See Rosenthal, Arthur.)
Jancke, Hans. (See Reger, M., and Jancke.)
Jardine, Frank, assignor, by mesne assignments, to The Cleveland Trust Company, as trustee, Cleveland, Ohio. Piston. 2,248,175; July 8.
Jarmin, James B., assignor to Servis Equipment Company, Dallas, Tex. Elevating grader. 2,248,709; July 8.
Jarvis, Kenneth W., Winnetka, Ill. Phase shifting network. 2,248,239; July 8.
Jasco Incorporated. (See Engelhardt, R., and Heuck, assignors.)
Jasco, Incorporated. (See Meisenburg, K., Dennstedt, and Zaucker, assignors.)
Jaworowski, Joseph F., Allegan, Mich., assignor of one-half to S. W. Emerson, Cleveland, Ohio. Pressure regulating valve. 2,248,354; July 8.
Jensen, John E., et al. (See Moore, Frank C., assignor.)
Jensen, Joseph W., Berwyn, assignor to Electric Household Utilities Corporation, Chicago, Ill. Electric circuit and control for ironer shoes. 2,248,676; July 8.
Jessick, Joseph, et al. (See Moore, Frank C., assignor.)
Jin Sow, Jung, Vancouver, British Columbia, Canada. Calendar. 2,248,591; July 8.
Johannson, Helmuth. (See Kramar, E., and Johannson.)
Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,248,407; July 8.
Johnson, Ben, Brooklyn, N. Y. Clock regulator. 2,248,631; July 8.
Johnson, Ralph P., and F. B. Quinlan, Schenectady, N. Y., assignors to General Electric Company. X-ray screen. 2,248,630; July 8.
Johnson, Sidney P., Birmingham, Ala. Planter. 2,248,176; July 8.
Johnson, Tomlinson F., Atlanta, Ga. Link motion retracting blade switch. 2,248,876; July 8.
Jones, Charles E., Chicago, Ill., assignor to C. L. Barkley and P. H. Barkley, doing business as C. L. Barkley & Co. Angular tab guide. 2,248,355; July 8.
Jones, Loma. (See Jones, Walter L., assignor.)
Jones, Paul C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparing aminated esters. 2,248,356; July 8.
Jones, Walter L., assignor of one-half to L. Jones, Webster Groves, Mo. Card sorting device. 2,248,536; July 8.
Jurák, Ladislav, Brunn-Turany, Czechoslovakia. Magnetizing of annular magnets. 2,248,272; July 8.
Juredine, Gordon M., Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio. Making cadmium red pigments. 2,248,408; July 8.
Kahn, Frank J. (See Kahn, Leo M. and F. J.)
Kahn, Leo M. and F. J., New York, N. Y. Laundry pressing member. 2,248,710; July 8.
Kain, Clifford H. (See Richard, C. C., and Kain.)
Kalichevsky, Vladimir A. (See Bulkley, R., Hamilton, and Kalichevsky.)
Kamenarović, Leone, assignor to Fabrica Italiana Magneti Marelli Societa Anonima, Milan, Italy. Coupling. 2,248,428; July 8.
Kampmeier, Frederick J., and H. W. Jacobson, assignors to The Ingersoll Milling Machine Company, Rockford, Ill. Metal polishing apparatus. 2,248,503; July 8.
Kane, Robert C. P., Syracuse, N. Y. Universal cold roll forming machine. 2,248,088; July 8.
Kanhofer, Elmer R., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,248,357; July 8.
Karlström, Adolf M. R., Goteborg, Sweden. Apparatus for purifying water. 2,248,177; July 8.
Kasper, Herbert R. (See Stelzer, F. H. B., and Kasper.)
Katzman, Morris B., and A. K. Epstein, assignors to The Emulsol Corporation, Chicago, Ill. Derivatives of polymerized alkylolamines. 2,248,089; July 8.
Keeler, Georgina G., Chicago, Ill. Necktie holder and hanger. 2,248,358; July 8.
Kellogg Company. (See Adams, R. T., Raymer, and Poole, assignors.)
Kellogg, M. W., Co. (See Hopkins, Robert K., assignor.)
Kelman, David J., Brooklyn, N. Y. Apparatus for making ornamental articles. 2,248,572; July 8.
Kelsey-Hayes Wheel Company. (See Batie, Joseph E., assignor.)
Kelsey-Hayes Wheel Company. (See Jacobi, Emil R., assignor.)
Ken-Rad Tube & Lamp Corp. (See Mahoney, C. H., and Brian, assignors.)
Kenny, Thomas A., Mount Lebanon, assignor of one-half to R. A. Siedle, Pittsburgh, Pa. Indicating speed ratios and potential ratios. 2,248,504; July 8.
Kersting, Nelle F. (See Moss, R. R., and Knapp, assignors.)
Kiesskalt, Siegfried, Frankfort-on-the-Main-Hochst, Germany, assignor, by mesne assignments, to W. H., Duisberg, New York, N. Y. High frequency sound generator. 2,248,459; July 8.
King, Alexander H., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Variable ratio gear. 2,248,240; July 8.
Kings, William, et al. (See Weber, Carl, assignor.)
Kirby, William H., Beverly, Mass. Directional signal for automobiles. 2,248,760; July 8.
Kirst, Werner, Konigsten in Taunus, and W. Alt and H. Krzikalla, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Producing fast dyeings and the dyed fiber obtained thereby. 2,248,091; July 8.
Kittler, Milton J., Detroit, Mich., assignor to G. M. and E. Holley. Self-controlled carburetor. 2,248,090; July 8.
Klarer, Josef. (See Behnisch, R., Klarer, and Mietzsch.)
Klean Holder Corporation. (See Atwood, Harry D., assignor.)
Klean Holder Corporation. (See Parrish, Hale W., assignor.)
Kleen, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Amplifier circuit for frequency band expansion. 2,248,476; July 8.
Klein, Maximilian, and R. A. Tollefsen, assignors to United States Gauge Company, Sellersville, Pa. Meter. 2,248,429; July 8.
Klopfenstein, Jonas, Portland, Oreg. Illuminated punch. 2,248,359; July 8.
Knapp, George B. (See Moss, R. R., and Knapp.)
Kneass, Strickland, Jr., assignor to Morgan Construction Company, Worcester, Mass. Regenerative furnace. 2,248,573; July 8.
Knight, Albert B., Fairmont, W. Va. Glass working machine. 2,248,430; July 8.
Knight, Henry D., Rugby, England, assignor to General Electric Company. Electric ignition system. 2,248,574; July 8.
Knitting Machines Corporation. (See Miller, Max C., assignor.)
Knott, Warren E., Federalsburg, Md., assignor to Excelsior Pearl Works, Inc., New York, N. Y. Button making machine. 2,248,360; July 8.
Knudsen, Frederick K., assignor to The Porcelain Enamel & Manufacturing Company of Baltimore, Baltimore, Md. Method of and apparatus for filling portable receptacles. 2,248,877; July 8.
Koller, Joseph F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lithopone and process of producing same. 2,248,632; July 8.
Kollsman, Paul, New York, N. Y., assignor to Square D Company, Detroit, Mich. Measuring instrument. 2,248,878; July 8.
Kondo, Heisaburo, Shibuya-ku, and S. Hasegawa, Ebaraku, Tokyo, Japan. Preparing alkaloids from kotosuzurafuji (stephania sasakii, hayata). 2,248,241; July 8.
Korpium, Joachim, Berlin-Grunewald, Germany, assignor to Sherka Chemical Co. Inc., Bloomfield, N. J. Treating electroplating baths. 2,248,092; July 8.

Kosatka, Thomas O., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Oil seal. 2,248,761; July 8.

Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Co., Cleveland, Ohio. Bicycle headlight. 2,248,460; July 8.

Kraetch, Paul H., Astoria, Oreg. Milk bottle spout. 2,248,879; July 8.

Krajnc, Anthony, Superior, Wis. Bird cage and smoking stand. 2,248,273; July 8.

Kramar, Ernst, and H. Johannson, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Directional antennae. 2,248,762; July 8.

Krause, Albert W., Evanston, Ill. Device for measuring pressure. 2,248,301; July 8.

Krause, Georg A., Munich, assignor of one-half to Gesellschaft für Linde's Eismaschinen A.-G., Hollriegelskreuth, near Munich, Germany. Concentration. 2,248,634; July 8.

Krauskopf, Wilhelm. (See von Andreatta, B., and Krauskopf.)

Kreienfeld, Friedrich, Berlin-Spandau, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiver with control of selectivity through variation of the coupling. 2,248,703; July 8.

Krenzke, William F., assignor to Jacobsen Manufacturing Company, Racine, Wis. Spring lever clutch. 2,248,764; July 8.

Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,248,361; July 8.

Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,248,362; July 8.

Krings, Walter. (See Zintl, E., Brauning, and Krings.)

Krisor, Henry. (See Wandrolk, W. C., and Krisor.)

Kroff, Leonard D., Sterling, Ill. Hair stretching indicator. 2,248,683; July 8.

Kronheim, Jacob, Cleveland Heights, and W. H. Neely, Cleveland, Ohio, assignors to J. C. Lincoln, Scottsdale, Ariz. Spring seat structure for automobiles. 2,248,093; July 8.

Krzikalla, Hans. (See Kirst, W., Alt, and Krzikalla.)

Küchler, Karl. (See Meyer-Jagenberg, G., and Kuchler.)

Kuenhold, Otto J., Sr., Shaker Heights, assignor to Monmouth Products Company, Cleveland, Ohio. Water feed device. 2,248,363; July 8.

Kuenzli, Walter A., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,248,178; July 8.

Kusterer, Aloysius J., assignor to The Randolph Paper Box Company, Richmond, Va. Cosmetic powder box. 2,248,274; July 8.

Kysor, Walter A., Cadillac, Mich. Shutter mechanism and thermostatic control therefor. 2,248,094; July 8.

Lande, Jacob, Los Angeles, Calif. Electro-magnetic signal actuator. 2,248,095; July 8.

Landesman, Morris, Brookline, Mass. Self-closing container. 2,248,766; July 8.

Landis Tool Company. (See Hollengreen, M. A., Gurney, Beller, and Elberty, assignors.)

Landis Tool Company. (See Ott, C. L., Beard, and Balsiger, assignors.)

Landon, Vernon D., Haddonfield, N. J., assignor to Radio Corporation of America. Radio tuning system. 2,248,242; July 8.

Lane, Leland G., Trinidad, Colo., assignor to American Telephone and Telegraph Company. Testing circuit. 2,248,096; July 8.

Langelier, Wilfred F., Berkeley, Calif. Method and apparatus for analyzing water and other solutions. 2,248,765; July 8.

Langevin, Paul, Paris, France, assignor, by mesne assignments, to Mauro and Lewis, Washington, D. C., a firm composed of P. Mauro and R. Lewis. Piezoelectric signaling apparatus. 2,248,870; July 8.

Langendorf, Stanley S. (See Wilder, Harold K., assignor.)

Langlois, Harry F., et al. (See McKay, William R., assignor.)

Langlois, Herbert N., et al. (See McKay, William R., assignor.)

Lansing Company. (See Thorne, William E., assignor.)

Larson, Edward S., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,248,097; July 8.

Lathrop, Harry D., assignor to The Lathrop-Paulson Company, Chicago, Ill. Valve mechanism. 2,248,767; July 8.

Lathrop-Paulson Company, The. (See Lathrop, Harry D., assignor.)

Laughlin, Charles P., et al. (See Phillips, James G., assignor.)

Lawler, William E. (See Sanders, G. M., and Lawler.)

Lawson, Robert H., Pawtucket, R. I., assignor to Scott & Williams, Incorporated, Laconia, N. H. Circular knitting machine and operating same. 2,248,880; July 8.

Lawton, Chester S., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Submarine apparatus. 2,248,243; July 8.

Lea, Peter A., New Orleans, La. Boat. 2,248,881; July 8.

Leach, Albert E., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Emergency brake. 2,248,364; July 8.

Lear, Earl B., Garfield Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Fastener. 2,248,882; July 8.

Lee, George, Elk Grove, Wis. Peanut heater. 2,248,633; July 8.

Leece, Bennett M., Shaker Heights, assignor to The Leece-Neville Company, Cleveland, Ohio. Engine cranking system. 2,248,244; July 8.

Leece-Neville Company. (See Leece, Bennett M., assignor.)

Leeson, William M., Glens Falls, assignor to The Sandy Hill Iron & Brass Works, Hudson Falls, N. Y. Paper-making apparatus. 2,248,906; July 8.

Le Fevre, Arden W., assignor to Stewart-Warner Corporation, Chicago, Ill. Sending unit for electric speedometers. 2,248,711; July 8.

Lehigh, Stanley L., Wyoming, Pa. Decorative device. 2,248,883; July 8.

Lehmann, Herbert G., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,248,409; July 8.

Lemmer, Frederick, Irvington, N. J. Window ventilator. 2,248,540; July 8.

Lengel, Albert L., Berkeley, Calif. Printing plate. 2,248,275; July 8.

Leonard, Arthur S., Berkeley, and H. B. Walker, Davis, assignors to The Regents of the University of California, Berkeley, Calif. Shelling nuts. 2,248,365; July 8.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Drafting table. 2,248,276; July 8.

Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)

Leukhardt, Arthur R., New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Gear shifting mechanism. 2,248,431; July 8.

Levy, René L., Montrouge, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland. Wheel for airplane undercarriages or other heavy vehicles. 2,248,684; July 8.

Lewis, Eric C., Putney, London, assignor to Magnesium Elektron Limited, London, England. Melting and casting of metals. 2,248,541; July 8.

Lewis, Howard B., Venice, Calif. Safety hat. 2,248,366; July 8.

Libbey, Fay J., Albany, N. Y. Antiskid device. 2,248,537; July 8.

Libbey-Owens-Ford Glass Company. (See Haworth, James G., assignor.)

Libbey-Owens-Ford Glass Company. (See Williams, Carl B., assignor.)

Liberty Can and Sign Company. (See Batdorf, Seymour, assignor.)

Licht, Emanuel H., Bronx, N. Y. Pocket form comforter. 2,248,768; July 8.

Liebler, George, New York, N. Y. Collapsible automobile roof. 2,248,538; July 8.

Lily-Tulip Cup Corporation. (See Miller, Albert F., assignor.)

Linckh, Eduard, and F. Winkler, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to W. E. Currie, New York, N. Y. Production of hydrocarbons from mixtures of carbon monoxide and hydrogen. 2,248,099; July 8.

Lincoln, John C. (See Kronheim, J., and Neely, assignors.)

Link-Belt Company. (See Pierce, Harold S., assignor.)

Link-Belt Company. (See Suman, Robert W., assignor.)

Link-Belt Speeder Corporation. (See Baker, Walter, assignor.)

Little, Raymond, Decatur, Ind. Dust collector. 2,248,181; July 8.

Litton, Charles V., Redwood City, Calif., assignor to Mackay Radio and Telegraph Company, New York, N. Y. Magnetic control vacuum tube. 2,248,712; July 8.

Locke, Frank W., Portland, Oreg. Means for air conditioning. 2,248,713; July 8.

Locke Steel Chain Company, The. (See Stegeman, Henry J., assignor.)

Lockstrip Manufacturing Corporation. (See Oppenheimer, Leo, assignor.)

Loebich, Otto, Pforzheim, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Jewel made from golden colored alloys. 2,248,100; July 8.

Loewe Radio, Inc. (See Schlesinger, Kurt, assignor.)

Loewe Radio, Inc. (See Wolff, Hanns-Heinz, assignor.)

Logan, John W., Jr., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for controlling railway switches. 2,248,915; July 8.

Lohman, Ralph W., South Pasadena, Calif., assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Method and apparatus for investigating subterranean strata. 2,248,101; July 8.

Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,248,575; July 8.

Lombard, Charles F., Alhambra, Calif. Method and apparatus for administering oxygen. 2,248,477; July 8.

Lord, Marie, San Francisco, Calif. Dress form and making same. 2,248,102; July 8.

Lorenz, C., Aktiengesellschaft. (See Deserno, Peter, assignor.)

Lorenz, C., Aktiengesellschaft. (See Goldmann, J., and V. Ottenthal, assignors.)

Lorenz, C., Aktiengesellschaft. (See Hagen, Wolfgang, assignor.)

Lorenz, C., Aktiengesellschaft. (See Kramar, E., and Johannson, assignors.)

Lorenz, C., Aktiengesellschaft. (See Messner, Maximilian, assignor.)

Lorenz, C., Aktiengesellschaft. (See Messner, M., and Deserno, assignors.)

Lorenz, C., Aktiengesellschaft. (See Puhlmann, W., and Gossel, assignors.)

Lorenz, C., Aktiengesellschaft. (See Schrumpf, Max, assignor.)

Lorenz, C., Aktiengesellschaft. (See Stapelfeldt, Arnold, assignor.)

Lorenz, C., Aktiengesellschaft. (See Uhlmann, Wolfram, assignor.)

Lorenz, Kurt P., St. Albans, N. Y. Production of cellulose formates. 2,248,539; July 8.

Low, Arthur B., Denver, Colo., assignor to The Regents of the University of California, Berkeley, Calif. Shelling nuts. 2,248,367; July 8.

Low, Arthur B., Denver, Colo., assignor to The Regents of the University of California, Berkeley, Calif. Apparatus for cracking nuts. 2,248,368; July 8.

Lowe, Joe, Corporation. (See Rasmusson, Marlin B., assignor.)

Lowe, Joe, Corporation. (See Thomas, N. M., and Siemund, assignors.)

Lowe, Joe, Corporation. (See Von Losberg, Lester W., assignor.)

Lower, Donald E., Lansdale, Pa. Making veneered vitrified products. 2,248,432; July 8.

Lucas, Joseph, Limited. (See Adcock, Horace, assignor.)

Lucas, Robert M. (See Higonnet, R. A. E., and Lucas.)

Ludersen, John, Seattle, Wash. Leg rest. 2,248,369; July 8.

Lunz, August J., Ponca, Nebr. Kitchen fork. 2,248,685; July 8.

Lutz, Frederick, Stuttgart, Wurttemberg, Germany, assignor to Union Special Machine Company, Chicago, Ill. Fabric seam. 2,248,907; July 8.

Lutz, Raymond H., et al. (See Burbank, John E., assignor.)

Lyon Van & Storage Co. (See Hathaway, Austin H., assignor.)

Lytle, William O. (See Fox, J. H., Miller, and Lytle.)

Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Treating colored glass sheets. 2,248,714; July 8.

MacClain, Albert L., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Engine torque regulating device. 2,248,245; July 8.

Mackay Radio and Telegraph Company. (See Alford, Andrew, assignor.)

Mackay Radio and Telegraph Company. (See Litton, Charles V., assignor.)

MacTaggart, Arthur B., Toledo, Ohio. Rectifier system. 2,248,370; July 8.

Maetschke, Max. (See Helwig, H-J. and Maetschke.)

Mafera, Guy, Revere, Mass. Aligner. 2,248,715; July 8.

Maglott, George F. (See Bennett, A. F., and Maglott.)

Magnesium Elektron Limited. (See Lewis, Eric C., assignor.)

Mahoney, Charles H., and W. S. Brian, assignors to Ken-Rad Tube & Lamp Corp., Owensboro, Ky. Reflector unit. 2,248,543; July 8.

Mall, Arthur W., Chicago, Ill. Road vibrator. 2,248,103; July 8.

Mall, Arthur W., Chicago, Ill. Roller vibrator. 2,248,478; July 8.

Maltby, Maurice E. (See Price, L. L., and Maltby.)

Manley, Rush E., Columbus, Ohio. Fluid power transmission system. 2,248,769; July 8.

Mantle Lamp Company of America, The. (See Schwarz, Eugene, assignor.)

Marini, Louis G., Jr., Pittsburgh, and D. F. Helm, York, assignors to The McKay Company, Pittsburgh, Pa. Welding rod. 2,248,104; July 8.

Marinsky, Davis. (See Morin, L. H., and Marinsky.)

Markle, George B., Jr., Hazelton, Pa. Arbor for spools or the like. 2,248,716; July 8.

Marple, Kenneth E., and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Treatment of halogenated polyhydric alcohols. 2,248,635; July 8.

Marsden, James, Schenectady, N. Y., assignor to General Electric Company. Bentonite product. 2,248,636; July 8.

Martin-Hardsocg Company, The. (See Anderson, Cecil R., assignor.)

Martin-Parry Corporation. (See Small, Frederick M., assignor.)

Marulin, Herbert, Stuttgart-Bad Cannstatt, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Air supply means for Diesel engines. 2,248,544; July 8.

Marx, Louis, & Company. (See Franklin, Bernafd S., assignor.)

Master Electric Company, The. (See Freeman, Harold K., assignor.)

Mateer, Edward W., Westfield, N. Y. Vibratory motion producing apparatus. 2,248,182; July 8.

Mathieson Alkali Works, Inc., The. (See Taylor, M. C., and Gardiner, assignors.)

Matthews, Richard F., Norvell, Mich. Valve for pneumatic tires. 2,248,371; July 8.

Mauro and Lewis. (See Langevin, Paul, assignor.)

Mauro, Oswald G. (See Dons, E. M., and Mauro.)

May, Carl A., assignor to The First Central Trust Company, Akron, Ohio. Hinge. 2,248,372; July 8.

May, Harold F. (See Haselton, M. L., and May.)

Maywood Glass Co. (See Moore, James E., assignor.)

McAdams, James F., assignor to Parker Wire Goods Company, Worcester, Mass. Sanding block. 2,248,884; July 8.

McCahan, John K. (See Hilbish, J. M., and McCahan.)

McClaskey, Charles B., New Philadelphia, Ohio. Container. 2,248,885; July 8.

McClelland, Bert, Perkasie, assignor to United States Gauge Company, Sellersville, Pa. Internal siphon for pressure gauges. 2,248,686; July 8.

McConnell, John H., West Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact testing device. 2,248,545; July 8.

McConnohie, Levi L., Galesburg, Mich. Hose coupling. 2,248,576; July 8.

McDaniel, Loyd M., and J. H. Herring, Daytona Beach, Fla. Fingering steel for guitars. 2,248,542; July 8.

McDonnell, Everett N., et al. (See Carlson, Oscar F., assignor.)

McGrew, Orville V., Chicago, Ill. Plastic composition. 2,248,105; July 8.

McIlvried, Edwin J. (See Nye, N. H., and R. L. and R. W. Penn, assignors.)

McKahin, John D., La Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Agricultural implement. 2,248,505; July 8.

McKay Company, The. (See Marini, L. G., Jr., and Helm, assignors.)

McKay, Walter. (See Draper, C. S., and McKay.)

McKay, William R., Southgate, Calif., assignor of one-half to H. F. and H. N. Langois. Oil well pump. 2,248,302; July 8.

McKesson, Lewis J., Rocky Point, N. Y., assignor to Radio Corporation of America. Modulation meter. 2,248,770; July 8.

McLaughlin, Howard B., assignor to Temprite Products Corporation, Detroit, Mich. Cooling system for draft beverages. 2,248,637; July 8.

McLean, William A., assignor to Geneva Processes, Inc., Geneva, N. Y. Mixing device for preparing mixtures such as mayonnaise and salad dressing. 2,248,886; July 8.

McNabb, Louis A., Wilmette, assignor to The Bell & Howell Company, Chicago, Ill. Driving mechanism. 2,248,106; July 8.

McNairy, Jacob W., Bridgeport, Conn., assignor to General Electric Company. Electric braking system. 2,248,577; July 8.

McQuay-Norris Manufacturing Company. (See Phillips, Harold P., assignor.)

Meisenburg, Kurt, Leverkusen-I. G. Werk, Ingofroh Dennstedt, Cologne-Buchforst, and E. Zaucker, Cologne-Mulheim-on-the-Rhine, Germany, assignors, by mesne assignments, to Jasco, Incorporated. Polymerization of butadienes. 2,248,107; July 8.

Menard, Charles, Jackson Heights, N. Y. Dispensing apparatus. 2,248,277; July 8.

Mendelsohn, Bernard E. (See Benson, B. H., and Mendelsohn.)

Merck & Co. (See Harris, Stanton A., assignor.)

Merck & Co. Inc. (See Zellner, Carl N., assignor.)

Merrill, David R., Long Beach, and P. Subkow, assignors to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of mineral oil. 2,248,373; July 8.

Merton, Thomas R., Hereford, England. Sheet material with prismatic surfaces. 2,248,638; July 8.

Messner, Maximilian, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Television system. 2,248,772; July 8.

Messner, Maximilian, and P. Deserno, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Television receiver. 2,248,771; July 8.

Metropolitan Engineering Company. (See Murray, Thomas E., assignor.)

Meyer, Ely. (See Vaughan, Thomas M., assignor.)

Meyer-Jagenberg, Günther, Dusseldorf, and A. C. Plötze, Berlin-Charlottenburg, Germany. Making paper-containers. 2,248,534; July 8.

Meyer-Jagenberg, Günther, and K. Küchler, Dusseldorf, Germany. Process and apparatus for manufacturing paper containers. 2,248,535; July 8.

Michelin et Cie. (See Bourdon, Pierre M., assignor.)

Michelman, Nathan, Brooklyn, N. Y. Forming conical shells. 2,248,278; July 8.

Michigan Trust Company, The, executor, et al. (See Rosenthal, Arthur.)

Mid-Continent Petroleum Corporation. (See Dons, E. M., and Mauro, assignors.)

Mies, Frank P., Chicago, Ill. Garment hanger. 2,248,773; July 8.

Mietzsch, Fritz. (See Behnisch, R., Klarer, and Mietzsch.)

Mihalko, Joseph J., Scranton, Pa. Bottle breaking machine. 2,248,108; July 8.
Miksits, Reinhold, Berlin, Germany. Rotary piston machine. 2,248,639; July 8.
Miller, Albert F., Flushing, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Cup dispensing apparatus. 2,248,479; July 8.
Miller, Alfred, and Gerhard Schmidt, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Photographic developing apparatus. 2,248,179; July 8.
Miller Chemical Works, Incorporated. (See Neustein, Clarence A., assignor.)
Miller, Henry H., Lincoln, Nebr. Float valve. 2,248,433; July 8.
Miller, Irven T., Modesto, Calif. Pulverizer. 2,248,640; July 8.
Miller, Max C., Cumberland, R. I. Knitting machine. 2,248,506; July 8.
Miller, Max C., Cumberland, R. I., assignor to Knitting Machines Corporation. Knitting machine. 2,248,507; July 8.
Miller, Robert A. (See Fox, J. H., Miller, and Lytle.)
Miller, Theodore J. (See Carlton, R. P., and Miller.)
Mills, Lindley E. (See Coleman, B. G., Mills, and Moore.)
Milnor, Joseph W., Maplewood, W. D. Cannon, Metuchen, and R. C. Taylor, Ridgewood, N. J., and G. A. Randall, Bayside, assignors to The Western Union Telegraph Company, New York, N. Y. Submarine cable picture transmission system. 2,248,887; July 8.
Minkoff, Gregoire. (See Stanley, H. M., Minkoff, and Youell.)
Minneapolis-Honeywell Regulator Company. (See Holmes, Gifford I., assignor.)
Minnesota Mining & Manufacturing Company. (See Carlton, R. P., and Miller, assignors.)
Mitchell, Jesse D., Camdenton, Mo. Windrowing gate. 2,248,374; July 8.
Mittag, Albert H. (See Alexanderson, E. F. W., and Mittag.)
Moeller, George J., assignor to Dazey Churn and Manufacturing Co., St. Louis, Mo. Mounting bracket. 2,248,410; July 8.
Moessinger, Albert, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Loom for weaving. 2,248,641; July 8.
Monaghan, William A., Wildwood, N. J. Repair and testing device for ply materials. 2,248,888; July 8.
Monmouth Products Company. (See Kuenhold, Otto J., assignor.)
Monsanto Chemical Company. (See Bezanson, Osborne, assignor.)
Moore, Frank C., Coalinga, Calif., assignor of twenty per cent to J. E. Jensen, twenty per cent to J. Jessick, twenty per cent to V. L. Ward, all of Coalinga, and twenty per cent to D. E. Peckinpah, Fresno, Calif. Brake. 2,248,375; July 8.
Moore, Garnett V. (See Coleman, G. H., Mills, and Moore.)
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container. 2,248,578; July 8.
Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container. 2,248,579; July 8.
Moore, James E., Los Angeles, assignor to Maywood Glass Co., Maywood, Calif. Conveyer system. 2,248,376; July 8.
Morgan Construction Company. (See Kneass, Strickland, Jr., assignor.)
Morgenroth, Frank, and F. J. Zens, Milwaukee, Wis. Art of treating foot ailments. 2,248,303; July 8.
Moriarty, Wilson H., Shaker Heights, Ohio. Method of reclaiming finely divided metallic particles. 2,248,180; July 8.
Morin, Louis H., and D. Marinsky, assignors to Whitehall Patents Corporation, Bronx, N. Y. Die casting different articles. 2,248,580; July 8.
Morris, Harold B., Somerset, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Thickening latex and composition produced. 2,248,480; July 8.
Morrison, Carl G., and W. H. Rupp, Elizabeth, N. J., assignors to Standard Oil Development Company. Regeneration of sulphur solvents. 2,248,109; July 8.
Morrison, William A., Easton, Pa., and A. D. Bennett, Washington, N. J., assignors to Ingersoll-Rand Company, New York, N. Y. Rock drill. 2,248,546; July 8.
Moss, Royal R., and G. B. Knapp, assignors to N. F. Kersting, Los Angeles, Calif. Overhead spring sash balance. 2,248,246; July 8.
Motor Wheel Corporation. (See Horn, Harry J., assignor.)
Mueller, Christian R., Highland Park, Mich. Thermostatic control means. 2,248,304; July 8.
Muller, J. C., N. V. (See Stelzer, F. H. B., and Kasper, assignors.)
Müller, Konrad, Berlin-Spandau, assignor to Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Mechanical impulse repeater. 2,248,774; July 8.
Müller, Wolfgang, Berlin-Lankwitz, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. Voltage divider. 2,248,889; July 8.
Mulvany, Clyde T., Los Gatos, Calif. Apparatus for assembling nuts and bolts. 2,248,183; July 8.
Murphy, Thomas J., Stamford, Conn. Electric hammer. 2,248,110; July 8.
Murray, John F., executor et al. (See Murray, Thomas E.)
Murray, Joseph B., executor et al. (See Murray, Thomas E.)
Murray-Ohio Manufacturing Co., The. (See Kraeft, Herman L., assignor.)
Murray, Thomas E., Brooklyn, N. Y., deceased, J. B. Murray, T. E. Murray, Jr., and J. F. Murray, Executors, assignors to Metropolitan Engineering Company. Boiler. 2,248,890; July 8.
Murray, Thomas E., deceased, late of Brooklyn, N. Y., by J. B. Murray and T. E. Murray, Jr., executors, Brooklyn, N. Y., assignors to Metropolitan Engineering Company. Boiler and other heat exchangers. 2,248,891; July 8.
Murray, Thomas E., Jr., executor et al. (See Murray, Thomas E.)
Muscatelli, Louis C., Altoona, Pa. Picker motion for looms. 2,248,892; July 8.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machines. 2,248,508; July 8.
Naamlooze Venootschap Industriegle Maatschappij Voorheen Noury & Van Der Land. (See van der Lee, Gerrit, assignor.)
Nakahiro, Genzo, San Francisco, Calif. Wrapping articles. 2,248,687; July 8.
Nash, Arthur D., Sewickley, Pa., assignor to Pittsburgh Plate Glass Company. Preparation of sheet glass. 2,248,717; July 8.
Nassimbene, Ernest, assignor to The Gates Rubber Company, Denver, Colo. Belt splicing device. 2,248,111; July 8.
National Company. (See Bacon, Dana H., assignor.)
National Hops Laboratories, Inc. (See Wood, Lyndon D., assignor.)
Neely, William H. (See Kronheim, J., and Neely.)
Neeteson, Pieter A. (See Rinia, H., Neeteson, and Tellegen.)
Nepoti, Agostino, Sesto Calente, Italy. Welding rod. 2,248,279; July 8.
Neureuther, Andrew H., Peru, Ill., assignor, by mesne assignments, to General Time Instruments Corporation, New York, N. Y. Clock and associated timekeeping mechanism. 2,248,411; July 8.
Neustein, Clarence A., assignor to Miller Chemical Works, Incorporated, Los Angeles, Calif. Acylation of organic compounds. 2,248,112; July 8.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
New York Quotation Company. (See Auchincloss, S. S., and Woodruff, assignors.)
Newcomb, Cyrus F., Champaign, Ill. Medicinal composition. 2,248,113; July 8.
Newton, George W., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for carbonating liquids. 2,248,184; July 8.
Nichols, Harry H., Jackson Heights, N. Y. Screeding and floating machine for cement floors. 2,248,247; July 8.
Nobiron, Henri E., deceased; M. L. Nobiron, née Guillon, Les Sables d'Olonnes, heir at law, assignor to Société Anonyme Louvroil, Montbard, Aulnoye, Paris, France. Machine for heating metal bars and tubes. 2,248,280; July 8.
Nobiron, Marie L., née Guillon, heir at law. (See Nobiron, Henri E.)
Noblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)
Nock, Joseph A., Jr., Tarentum, assignor to Aluminum Company of America, Pittsburgh, Pa. Heat treatment of aluminum base alloys. 2,248,185; July 8.
Norgaard, Donald E., Schenectady, N. Y., assignor to General Electric Company. Deflecting circuits. 2,248,581; July 8.
Norton, Chester H., Katonah, N. Y. Dog leash. 2,248,114; July 8.
Norton Company. (See Indge, H. S., and Hulbert, assignors.)
Norton Company. (See Indge, H. S., and Wood, assignors.)
Nottingham, Edward B., Villa Park, assignor to H. B. Dodge and Company, Chicago, Ill. Venetian blind. 2,248,775; July 8.
Nutt, Harold, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Clutch control. 2,248,377; July 8.
Nutt, Harold, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,248,378; July 8.
Nye, Norman H., and R. L. Penn, Cuyahoga Falls, and R. W. Penn, Akron, assignors of one-fourth to Edwin J. McIlvried, Stow, Ohio. Bag sealing machine. 2,248,248; July 8.
Och, Henry G., West Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,248,776; July 8.
Oeckl, Otto, Berlin-Schonberg, assignor to the firm Henschel Flugzeug-Werke Aktiengesellschaft, Schonefeld, Kreis Teltow, Germany. Pressing apparatus. 2,248,186; July 8.
Oil Equipment Engineering Corporation. (See Scaramucci, Domer, assignor.)
Olsen, Burton A., assignor to California Cotton Mills Company, Oakland, Calif. Cutoff machine. 2,248,115; July 8.
Oppenheimer, Leo, New York, assignor to Lockstrip Manufacturing Corporation, Long Island City, N. Y. Terrazzo floor and pattern and guide strips therefor. 2,248,412; July 8.

Opper, Victor M., New York, N. Y. Shelf, holder, and the like. 2,248,916; July 8.
Osolin, Alfred, Shaker Heights, Ohio, and Jay W. Ferree, Swissvale, Pa. Mud gun. 2,248,434; July 8.
Osteen, Belmont D., Birmingham, Ala., assignor to Birmingham Paper Company. Display box. 2,248,547; July 8.
Ott, Conrad L., Detroit, Mich., B. B. Beard and H. E. Balsiger, assignors to Landis Tool Company, Waynesboro, Pa. Grinding wheel dressing mechanism. 2,248,463; July 8.
Otto, Carl, The Hague, Netherlands, assignor to Fuel Refining Corporation, Dover, Del. Actuating mechanism for coke oven door locking screws. 2,248,187; July 8.
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Connector clip. 2,248,718; July 8.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Sealing means for the edges of swinging doors. 2,248,719; July 8.
Oxweld Acetylene Company. (See Young, Lloyd W., assignor.)
Pack, Charles, Forest Hills, assignor to Doehler Die-Casting Co., New York, N. Y. Multiple die for composite articles. 2,248,461; July 8.
Pad-Y-Wax Company, The. (See Stroop, John H., assignor.)
Panhandle Eastern Pipe Line Company. (See Burnham, Charles H. M., assignor.)
Parent, Leo C., East Grand Forks, Minn. Device for separating beeswax from honey. 2,248,893; July 8.
Park, Tracy S., Houston, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Sucker rod guide. 2,248,894; July 8.
Parker Wire Goods Company. (See McAdams, James F., assignor.)
Parrish, Hale W., South Bend, Ind., assignor to Klean Holder Corporation, Detroit, Mich. Bag making machine and method. 2,248,895; July 8.
Parsons, Frank H., Fairport Harbor, assignor of one-fourth to W. Ahlstrom, Mentor, one-fourth to J. A. Horacek, and one-fourth to R. J. Tischler, Fairport Harbor, Ohio. Producing carbon bisulphide. 2,248,509; July 8.
Parsons, John B., Toledo, Ohio. Hydraulic window regulator. 2,248,379; July 8.
Pass and Seymour, Inc. (See Russell, M. N., and Despard, assignors.)
Paterson Pacific Parchment Co. (See Arnberg, Gunnar, assignor.)
Peckinpah, David E., et al. (See Moore, Frank C., assignor.)
Pedersen, Axel V., Los Angeles, Calif. Roof truss. 2,248,380; July 8.
Pedersen, Ludwig E., Hughson, Calif. Irrigation valve. 2,248,381; July 8.
Pedrick, Irenee P., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector. 2,248,249; July 8.
Peelle, James F., and Peter W. Van Etten, Richmond, Ind. Metal covered door. 2,248,777; July 8.
Pelcé, Henri, Flixecourt, assignor to Société dite: Saint Freres, Société Anonyme, Paris, France. Circular weaving loom. 2,248,281; July 8.
Pelcé, Henri, Flixecourt, assignor to Société dite: Saint Freres, Société Anonyme, Paris, France. Device for guiding the shuttles in circular weaving looms. 2,248,282; July 8.
Penn, Ralph L. (See Nye, N. H., and R. L., and R. W. Penn.)
Penn, Ralph W. (See Nye, N. H., and R. L., and R. W. Penn.)
Perkins, Ralph P. (See Britton, E. C., Coleman and Perkins.)
Perroux, Georges E. M., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Antenna network. 2,248,778; July 8.
Peters, Charles F., Great Kills, Staten Island, N. Y. Automatic tuning system for radio sets. 2,248,116; July 8.
Petersime, Ray M., Gettysburg, Ohio. Incubator. 2,248,896; July 8.
Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Single sideband modulation. 2,248,250; July 8.
Petrolite Corporation, Ltd. (See De Groote, M., and Wirtel, assignors.)
Petrovic, Frank, Ottumwa, Iowa. Candy making machine. 2,248,688; July 8.
Petry, John, Long Island City, N. Y. Electric lighted ornamental device. 2,248,117; July 8.
Petz, Albert. (See Winkeler, H., and Petz.)
Pew, Arthur E., Jr., Bryn Mawr, Pa., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Cracking mineral oil. 2,248,118; July 8.
Pfeiffer, William C., assignor to The Egry Register Company, Dayton, Ohio. Manifolding device. 2,248,188; July 8.
Pharmaceutical Products, Incorporated. (See Ruzicka, L., and Fischer, assignors.)
Philco Radio and Television Corporation. (See Glaser, L. B., Bowman, and Briggs, assignors.)
Philip, Thomas B., Effingham, H. M. Stanley, Tadworth, and W. L. Wood, Tunbridge Wells, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Depolymerization of polystyrene. 2,248,512; July 8.
Phillips, Cecil R., North Tonawanda, assignor of one-third to H. T. Saperston and one-third to R. J. Rosen, Buffalo, N. Y. Device for cutting cables and the like. 2,248,642; July 8.
Phillips, Charles J., Kaukauna, Wis. Grinding wheel and mounting therefor. 2,248,382; July 8.
Phillips, Edwin M., East Orange, N. J. Mounting means for sheets and the like. 2,248,582; July 8.
Phillips, Harold P., Webster Groves, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston. 2,248,779; July 8.
Phillips, James G., assignor of one-third to V. S. Gary and one-third to C. P. Laughlin, Wink, Tex. Self-expanding well plug. 2,248,908; July 8.
Phillips Petroleum Company. (See Auld, D. W., and Weber, assignors.)
Pierce, Erold F., Pines Lake, N. J., assignor to Wright Aeronautical Corporation. Manifold pressure regulator. 2,248,780; July 8.
Pierce, Harold S., Indianapolis, Ind., assignor to Link-Belt Company. Power transmission chain. 2,248,189; July 8.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriter and computing machine. 2,248,190; July 8.
Pitney-Bowes Postage Meter Company. (See Thatcher, Linden A., assignor.)
Pittsburgh Plate Glass Company. (See Fox, J. H., Miller, and Lytle, assignors.)
Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)
Pittsburgh Plate Glass Company. (See Nash, Arthur D., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Pleines, Adam, assignor to Alfred Teves Maschinen- und Armaturen Fabrik G. m. b. H., Frankfort-on-the-Main, Germany. Compressed air actuated hydraulic brake. 2,248,435; July 8.
Plensler, Alexander W., Chicago, Ill., assignor to Belmont Radio Corporation. Electric switch. 2,248,510; July 8.
Ploetz, Ernst. (See Ulrich, H., and Ploetz.)
Plötze, Adolf C. (See Meyer-Jagenberg, G., and Plötze.)
Plummer, William B., assignor to Standard Oil Company, Chicago, Ill. Catalytic cracking and reforming. 2,248,196; July 8.
Poeppelmeier, Frank H., Dayton, Ohio, assignor to Dayton Type, Incorporated. Type composing machine. 2,248,781; July 8.
Pogue, Robert B., Orange, and M. N. Trainer, East Orange, N. J., assignors to The American Brake Shoe and Foundry Company, New York, N. Y. Braking arrangement. 2,248,383; July 8.
Pollack, Dale, Cambridge, Mass., assignor to Radio Corporation of America. Modulation system. 2,248,462; July 8.
Poole, Richard S. (See Adams, R. T., Raymer and Poole.)
Porcelain Enamel & Manufacturing Company of Baltimore. (See Knudsen, Frederick K., assignor.)
Porsche, F., Dr. ing. h. c., K.-G. (See Effenberger, Willibald, assignor.)
Porter, Irving D. (See Wynne, Robert J., assignor.)
Porter, Josephine A., Baltimore, Md. Compact. 2,248,689; July 8.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Code translating mechanism. 2,248,583; July 8.
Pratt, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Abrading machine. 2,248,191; July 8.
Pratt, John W., and C. H. Heather, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Abrading machine. 2,248,192; July 8.
Presby, Leroy Q., Melrose, assignor to American Stay Company, East Boston, Mass. Printing press and the like. 2,248,897; July 8.
Presto Recording Corporation. (See Gruber, M. M., and Saliba, assignors.)
Price, Laurence L., Los Angeles, and M. E. Maltby, Bell, Calif. Towel dispensing apparatus. 2,248,193; July 8.
Prichard, William W., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Pasting apparatus. 2,248,194; July 8.
Prins, Leendert, Flushing, N. Y. Clock. 2,248,195; July 8.
Pritchard, Howard A. (See Harrold, C. W., and Pritchard.)
Process Management Company. (See Armistead, George Jr., assignor.)
Productive Inventions, Inc. (See Anderson, John W., assignor.)
Pruckner, Anton A., Norristown, assignor to Superior Tube Company, Philadelphia, Pa. Method of and apparatus for forming beaded tubular elements. 2,248,720; July 8.

Puhlmann, Werner, and E. Gossel, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Tuning arrangement for electric oscillations. 2,248,782; July 8.
Punxsutawney Electric Repair Co. (See Beam, Jacob, B., assignor.)
Quinby, Floyd R., assignor of one-half to Kirk Griggs, Houston, Tex. Extracting drying oils for coating compositions. 2,248,823; July 8.
Quinby, William F., Long Island City, assignor to The Teleregister Corporation, New York, N. Y. Signaling system. 2,248,822; July 8.
Quinlan, Frank B. (See Johnson, R. P., and Quinlan.)
Radio Corporation of America. (See Dow, Orville E., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Green, Alfred L., assignor.)
Radio Corporation of America. (See Herold, Edward W., assignor.)
Radio Corporation of America. (See Landon, V. D., assignor.)
Radio Corporation of America. (See McKesson, Lewis J., assignor.)
Radio Corporation of America. (See Pollack, Dale, assignor.)
Radio Corporation of America. (See Rinia, H., Neeteson, and Tellegen, assignors.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Smith, Lester C., assignor.)
Radio Corporation of America. (See Spoor, T. A., Rinia, and Van Yzeren, assignors.)
Radio Corporation of America. (See Stocker, Arthur C., assignor.)
Radio Corporation of America. (See Waller, Leland C., assignor.)
Radio Patents Corporation. (See Rath, Karl, assignor.)
Raiziss, George W., and Le Roy W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. Para-amino-para'-hydroxy diphenyl sulphone and derivatives. 2,248,283; July 8.
Randall, Gerald A. (See Milnor, J. W., Cannon, Taylor, and Randall.)
Randolph Paper Box Company, The. (See Kusterer, Aloysius J., assignor.)
Rapp, Howard B. (See Domries, Otto W., assignor.)
Rapp, Sally. See Domries, Otto W., assignor.)
Rasmussen, Chester A., assignor to Rasmussen Service Company, Long Beach, Calif. Producing apparatus for oil wells. 2,248,305; July 8.
Rasmussen Service Company. (See Rasmussen, Chester A., assignor.)
Rasmusson, Marlin B., Los Angeles, Calif., assignor to Joe Loewe Corporation, New York, N. Y. Apparatus for enrobing frozen confectionery products with chopped nuts and similar substances. 2,248,643; July 8.
Rath, Karl, New York, N. Y., assignor to Radio Patents Corporation. Frequency variation response circuit. 2,248,197; July 8.
Rathbun, Alan E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Seat construction. 2,248,413; July 8.
Ratz, Carrie, Hampshire, Ill. Removable oven splatter tray. 2,248,198; July 8.
Rawlplug Company Limited. (See Francastel, Jacques P. H., assignor.)
Ray Oil Burner Co. (See Taper, O. C., and Frost, assignors.)
Ray, William A., Glendale, Calif. Fuel control system. 2,248,306; July 8.
Raymer, Morris. (See Adams, R. T., Raymer, and Poole.)
Recordgraph Corporation. (See Woolf, W. L., and Steel, assignors.)
Redin, Andrew W., Rockford, Ill. Speed-change mechanism. 2,248,384; July 8.
Reed, Claude D., and R. L. Riley, Lebanon, Pa., assignors to Bethlehem Steel Company. Method and apparatus for assembling and shipping rods. 2,248,119; July 8.
Reeves, Glenn S., San Diego, Calif. Automobile steering apparatus. 2,248,251; July 8.
Regents of the University of California, The. (See Bainer, R., and Barbee, assignors.
Regents of the University of California, The. (See Leonard, A. S., and Walker, assignors.)
Regents of the University of California, The. (See Low, Arthur B., assignor.)
Reger, Martin, Berlin-Charlottenburg, and H. Jancke, Berlin, Germany, assignors to General Electric Company. Sealing evacuated envelopes. 2,248,644; July 8.
Rehfeld, George W., Manhattan, Kans. Jetty. 2,248,721; July 8.
Rehfeld, George W., Manhattan, Kans. Jetty setting. 2,248,722; July 8.
Rei, Charles W., assignor to General Motors Corporation, Detroit, Mich. Seat back cushion mounting. 2,248,120; July 8.
Reichstein, Tadeus, Basel, Switzerland, assignor to Roche-Organon, Inc., Nutley, N. J. Derivatives of pregnane and pregnene. 2,248,284; July 8.
Reinad Novelty Co. (See Better, Adolph, assignor.)
Reinhardt, Joseph A., Peru, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Synchronous electric motor. 2,248,285; July 8.
Remington Rand Inc. (See Shafer, Lewis W., assignor.)
Reyniers, James A., South Bend, Ind. Method and means for preventing cross infection. 2,248,199; July 8.
Reynolds, John N., Princeton, N. J. Multicontact relay. 2,248,584; July 8.
Reynolds, Mary A. (See Anthony, Leon P., assignor.)
Reynolds, Noel S., St. Louis, Mo. Seal. 2,248,385; July 8.
Rhein, Lloyd R., Pleasant Ridge, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator. 2,248,121; July 8.
Rhodes, George V., Memphis, Tenn., and R. J. Gabler, assignors to Butler Manufacturing Company, Kansas City, Mo. Press machine. 2,248,252; July 8.
Rice, Beatrice W. (See Rice, Isaac L., assignor.)
Rice, Isaac L., assignor to Beatrice W. Rice, New York, N. Y. Method and apparatus for valving inflammable fluids. 2,248,308; July 8.
Richard, Clement C., Bloomfield Hills, and C. H. Kain, assignors to Allied Products Corporation, Detroit, Mich. Die spotting and tryout press. 2,248,464; July 8.
Richards, Harry L., Minneapolis, and K. C. Wright, St. Paul, Minn. Combination bog shoe and duck boat. 2,248,307; July 8.
Richardson, Francis C. G., Alhambra, Calif. Fountain. 2,248,386; July 8.
Richardson, Led L., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill rotation mechanism. 2,248,824; July 8.
Riley, Harry E., East Hampton, N. Y. Milk bottle holder. 2,248,513; July 8.
Riley, Robert L. (See Reed, C. D., and Riley.)
Rinia, Herre, P. A. Neeteson and B. D. H. Tellegen, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiver overload control circuit. 2,248,783; July 8.
Rinia, Herre. (See Spoor, T. A., Rinia, and Van Yzeren.)
Rippen, Nicholas, New York, N. Y. Wooden sheathing. 2,248,690; July 8.
Ritmeister, Wilhelm, Dessau, Anhalt, Germany, assignor, by mesne assignments, to American Hyalsol Corporation, Wilmington, Del. Reduction of fatty acids to alcohols. 2,248,465; July 8.
Rivers, John V., Columbus, Ohio. Key container. 2,248,436; July 8.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Automatic volume control circuits. 2,248,785; July 8.
Robinson, Dayton H., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake mechanism. 2,248,437; July 8.
Robinson Tag & Label Company. (See Wilder, Marjorie C., assignor.)
Robinson, William B., Sayville, N. Y. Strip for roofing. 2,248,723; July 8.
Roche, Alleman H. (See Black, D. H., and Roche.)
Roche-Organon, Inc. (See Reichstein, Tadeus, assignor.)
Rodger Ballast Car Company. (See Hindahl, David, assignor.)
Roehrl, Bruno C., Binghamton, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Film spool hub. 2,248,309; July 8.
Roosenstein, Hans O., Berlin-Tempelhof, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Band pass coupling network. 2,248,466; July 8.
Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Wrapping of cigarettes or other articles. 2,248,724; July 8.
Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.)
Rose Patch & Label Company. (See Rosenthal, Arthur.)
Roseby, Philip N., Woodvale, near Southport, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Electrical signaling system. 2,248,784; July 8.
Rosen, Ralph J., et al. (See Phillips, Cecil R., assignor.)
Rosenthal, Arthur, deceased, by The Michigan Trust Company, and Bella Jamison, executors, assignors to Rose Patch & Label Company, Grand Rapids, Mich. Packing means for label cutting and folding machines. 2,248,122; July 8.
Rosing, Theodore F., Whitefish Bay, Wis., and W. C. Stevens, deceased, late of Milwaukee, Wis., by S. M. Stevens, executrix, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controlling mechanism. 2,248,387; July 8.
Ross, Donald P. (See Sheridan, J. J., and Ross.)
Ross, Oscar A., and F. W. Shackleford, New York, N. Y. Vacuum cleaner apparatus. 2,248,585; July 8.
Ross, William C., Winchester, and E. E. Anderson, Auburndale, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Making rubber articles. 2,248,898; July 8.
Rousso, Jacques, Los Angeles, Calif. Towel cabinet. 2,248,388; July 8.
Rowe, Donald C., Williamsville, C. R. Graham, North Tonawanda, and O. L. Woodson, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Apparatus for forming and cutting sheet metal. 2,248,786; July 8.

Rowell, Ralph M., Lynn, Mass., assignor to General Electric Company. Frequency meter. 2,248,586; July 8.
Rowles, Harwood S., Johnstown, N. Y. Glove. 2,248,200; July 8.
Rubber Cement Products Limited. (See Cornelius, F. B., and Cormac, assignors.)
Rulka, Alexander S. (See Schwartzwalder, K., and Rulka.)
Rupp, Walter H. (See Morrison, C. G., and Rupp.)
Russell, Howard W., Columbus, Ohio, assignor, by mesne assignments, to Foote Mineral Company, Philadelphia, Pa. Heat transfer device. 2,248,909; July 8.
Russell, Mark N., and Victor R. Despard, Syracuse, assignors to Pass and Seymour, Inc., Solvay Station, N. Y. Mounting strap for interchangeable wiring devices. 2,248,201; July 8.
Rust, Russell, Lynchburg, Va. Automatic emergency safety control. 2,248,511; July 8.
Rutherford, Richmond L., Superior, Ariz. Electric mine shaft signal system. 2,248,825; July 8.
Ruzicka, Leopold, Zurich, and W. Fischer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Enol derivatives of cyclopentano phenanthrene compounds and process of making same. 2,248,438; July 8.
S & S Corrugated Paper Machinery Co. (See Cohen, Harry L., assignor.)
Saaty, Theodore N., assignor to Screw Machine Products Company, Inc., Providence, R. I. Telephone system. 2,248,899; July 8.
Sackner, Wade E., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Upholstery cord. 2,248,123; July 8.
Sagner, Walter T., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,248,202; July 8.
St. Pierre, Eugene. (See Hutton, A. L., and St. Pierre.)
Salliba, George J. (See Gruber, M. M., and Saliba.)
Salvetti, Dante A. (See Vacquier, V. V., and Salvetti.)
Salvin, Victor S. (See Seymour, G. W., and Salvin.)
Sanders, Ernest E., Detroit, Mich. Refrigerated display case. 2,248,286; July 8.
Sanders, Granison M., Downey, and W. E. Lawler, Los Angeles, Calif. Article drying device. 2,248,389; July 8.
Sandy Hill Iron & Brass Works, The. (See Leeson, William M., assignor.)
Sangamo Electric Company. (See Holtz, Frederick C., assignor.)
Saperston, Howard T., et al. (See Phillips, Cecil R., assignor.)
Sawyer, David W. (See Stillson, G. H., and Sawyer.)
Scaramucci, Domer, assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla. Well casing attachment. 2,248,124; July 8.
Scaramucci, Domer, assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla. Washdown and cementing attachment for well casings. 2,248,125; July 8.
Schaad, Theodore A., Detroit, Mich. Toy vacuum sweeper. 2,248,390; July 8.
Schachter, Benjamin, New York, N. Y. Manufacturing cellulose dipped articles. 2,248,253; July 8.
Schafer, John V., Bronson, Mich. Water closet lift arm assembly. 2,248,126; July 8.
Schane, Edward H., Lakewood, assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Awning center support. 2,248,414; July 8.
Schelbel, Kurt, assignor to "Wurker", Dresden, Germany. Blind stitching and piqué machine. 2,248,439; July 8.
Schirmer, Clara, Rib Lake, Wis. Cowtail holder. 2,248,287; July 8.
Schlesinger, Alfred, Hampstead, London, England. Inking device of printing machines. 2,248,645; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Television transmitter. 2,248,548; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Television transmitter. 2,248,549; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments to Loewe Radio, Inc. Low-frequency correction of image amplifiers. 2,248,550; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Synchronization of disk scanning means. 2,248,551; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Interlaced line scanning of films running asynchronously with the scanning means. 2,248,552; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Modulation system. 2,248,553; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Production of an interlaced line screen with mechanical scanning means. 2 248,554; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Insuring the synchronization in television transmitters. 2,248,555; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Interlaced line method. 2,248,556; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Cathode-ray tube system. 2,248,557; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Television tube. 2,248,558; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Scanning disk for television transmission. 2,248,559; July 8.
Schlesinger, Kurt, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Television amplifier system. 2,248,560; July 8.
Schlesinger, Kurt, Paris, France, assignor, by mesne assignments, to Loewe Radio, Inc. Intermediate frequency amplifier for television purposes. 2,248,561; July 8.
Schlumberger Well Surveying Corporation. (See Lohman, Ralph W., assignor.)
Schmid, Otto, Reutlingen, Germany. Process and apparatus for making helical tension springs having particularly great preliminary tension. 2,248,440; July 8.
Schmidt, Gerhard. (See Miller, A., and Schmidt.)
Schnur, Mathew, Chicago, Ill. Combination lock. 2,248,310; July 8.
Schrumpf, Max, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High frequency apparatus. 2,248,787; July 8.
Schuessler, L. Ray. (See Hamilton, Francis C., assignor.)
Schulze, Marie, Detroit, Mich. Ornamental pin. 2,248,391; July 8.
Schuttig, Leonard A., Catonsville, assignor to Bendix Radio Corporation, Baltimore, Md. Oscillating system. 2,248,481; July 8.
Schwab, Martin C., Chicago, Ill. Dispensing and packaging device for fluids. 2,248,127; July 8.
Schwartzwalder, Karl, and A. S. Rulka, Flint, assignors to General Motors Corporation, Detroit, Mich. Spark plug electrode seal. 2,248,415; July 8.
Schwarz, Ernst L., Chicago, assignor to Whiting Corporation, Harvey, Ill. Controlling means for hoisting mechanism. 2,248,393; July 8.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Electric lamp. 2,248,392; July 8.
Sciiken, Joseph, New York, N. Y. Refrigerated display fixture for food or the like. 2,248,467; July 8.
Scott & Williams, Incorporated. (See Lawson, Robert H., assignor.)
Scovill Manufacturing Company. (See Huelster, Otto J., assignor.)
Screw Machine Products Company. (See Saaty, Theodore N., assignor.)
Séailles, Jean C., Paris, France, and W. R. G. Dyckerhoff, Mainz-Amoneburg, Germany, said Dyckerhoff assignor to said Séailles. Recovery of alumina. 2,248,826; July 8.
Seavey, Frederick R., Alton, assignor to Western Cartridge Company, East Alton, Ill. Explosive. 2,248,587; July 8.
Seavey, Jess A., Springfield, Oreg. Wire fence tool. 2,248,788; July 8.
Selib, Herbert, Newton, Mass. Outer garment. 2,248,288; July 8.
Sellers, William, & Company. (See Pedrick, Irenee P., assignor.)
Servel, Inc. (See Kuenzli, Walter A., assignor.)
Servis Equipment Company. (See Jarmin, James B., assignor.)
Setterblade, Earl O., Paterson, N. J., assignor to Wright Aeronautical Corporation. Controllable pitch propeller. 2,248,789; July 8.
Severson, Ole, Shelton, Conn. Milling machine. 2,248,468; July 8.
Seymour, George W., and V. S. Salvin, Cumberland, Md., assignors to Celanese Corporation of America. Production of pattern effects on textile materials. 2,248,128; July 8.
Shackleford, Forrest W. (See Ross, O. A., and Shackleford.)
Shafer, Lewis W., Bridgeport, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Copyholder. 2,248,416; July 8.
Shanklin, George B., and V. A. Sheals, Schenectady, N. Y., assignor to General Electric Company. Gas filled cable installation. 2,248,588; July 8.
Shaw, Claude, Bristol, Va. Boring head. 2,248,441; July 8.
Shaw, Hubert R., Drexel Hill, Pa., assignor to General Electric Company. Interoffice telephone. 2,248,589; July 8.
Shaw, Louis E. (See Calder, C. A., and Shaw.)
Sheals, Vincent A. (See Shanklin, G. B., and Sheals.)
Shearer, Grover P., Fairmont, W. Va. Spool holder. 2,248,482; July 8.
Shell Development Company. (See Bogdon, Mihal, assignor.)
Shell Development Company. (See Coltof, Willem, assignor.)
Shell Development Company. (See Marple, K. E., and Evans, assignors.)
Shepard, Cleo E., Elmwood, assignor to J. W. Shera, Oak Park, Ill. Making bungs. 2,248,417; July 8.
Shera, John W. (See Shepard, Cleo E., assignor.)

Sheridan, John J., and Donald P. Ross, New York, N. Y., said Sheridan assignor to said Ross, as trustee. Novelty advertising match book. 2,248,129; July 8.
Sherka Chemical Co. Inc. (See Kortlun, Joachim, assignor.)
Shipley, John S., Valley Station, Ky. Washing machine attachment. 2,248,203; July 8.
Shoeld, Mark, assignor to The Davison Chemical Corporation, Baltimore, Md. Granular superphosphate with low fluorine content. 2,248,514; July 8.
Shoeld, Mark, assignor to The Davison Chemical Corporation, Baltimore, Md. Producing granular superphosphate of low fluorine content. 2,248,515; July 8.
Siedle, Raymond A. (See Kenny, Thomas A., assignor.)
Siemund, Herman. (See Thomas, N. M., and Siemund.)
Singer Manufacturing Company, The. (See Myers, Walter, assignor.)
Singleton, Robert F. (See Coker, Samuel W., assignor.)
Skoog, Per F., Bellingham, Wash. Can filling machine. 2,248,311; July 8.
Small, Frederick M., assignor to Martin-Parry Corporation, York, Pa. Ornamental finish and method of making the same. 2,248,254; July 8.
Small, Howard, Philadelphia, Pa. Photographic film tensioning mechanism. 2,248,646; July 8.
Smisloff, Walter. (See Gross, H. H., and Smisloff.)
Smith, Arthur E., Los Angeles, Calif. Syringe device. 2,248,469; July 8.
Smith, Edward E., Idleyld Park, Oreg. Fly holder 2,248,130; July 8.
Smith, John W., Philadelphia, Pa. Aeronautical propeller blade mounting. 2,248,590; July 8.
Smith, Leroy R., Pasadena, Calif. Filtering and packing material apparatus and method for making. 2,248,131; July 8.
Smith, Lester C., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulation. 2,248,132; July 8.
Smith, Turman N., San Antonio, Tex. Converting L-type engine to valve-in-the-head type. 2,248,516; July 8.
Smith, William H., East Molesey, England. Reinforced concrete floor structure. 2,248,517; July 8.
Smith, William L., Jr., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric. 2,248,900; July 8.
Smith's, John E., Sons Company. (See Van Hooydonk, Adrian, C., assignor.)
Snider, Helen T., Baltimore, Md. Frame for women's strapless garments. 2,248,204; July 8.
Snow, Herbert C., Auburn, Ind., assignor of one-fourth to C. H. Dooley, Rock Island, Ill., one-fourth to H. K. Dooley, Los Angeles, Calif., and one-fourth to D. D. Dooley, Rock Island, Ill. Transmission. 2,248,133; July 8.
Snow, Herbert C., Cleveland, Ohio, assignor of one-fourth to C. H. Dooley, and one-fourth to D. D. Dooley, both of Rock Island, Ill., and one-fourth to H. K. Dooley, Los Angeles, Calif. Synchronizing mechanism. 2,248,134; July 8.
Société Anonyme Louvroil. (See Nobiron, Henri E.)
Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M. (See Levy, René L., assignor.)
Société Dite: Saint Freres, Société Anonyme. (See Pelcé, Henri, assignor.)
Socony-Vacuum Oil Company. (See Bulkley, R., Hamilton, and Kalichevsky, assignors.)
Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Axle contact. 2,248,394; July 8.
South Bend Current Controller Company. (See Guin, L. W., and Cissell, assignors.)
Speedry Gravure Corporation. (See Degnan, James, assignor.)
Sperry Products, Inc. (See Draper, C. S., and McKay, assignors.)
Spoor, Theodorus A., H. Rinia, and E. A. Van Yzeren, Eindhoven, Netherlands, assignors by mesne assignments, to Radio Corporation of America, New York, N. Y. Device for varying the damping of a tuned oscillatory circuit without affecting the tuning. 2,248,470; July 8.
Square D Company. (See Kollsman, Paul, assignor.)
Squibb, E. R., & Sons. (See Chase, Frank C., assignor.)
Standard Oil Company. (See Plummer, William B., assignor.)
Standard Oil Development Company. (See Barr, Frank T., assignor.)
Standard Oil Development Company. (See Davis, G. H. B., assignor.)
Standard Oil Development Company. (See Fisher, Harold W., assignor.)
Standard Oil Development Company. (See Morrison, C. G., and Rupp, assignors.)
Stanley, Herbert M., Tadworth, G. Minkoff, Epsom Downs, and J. E. Youell, Wallington, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of ethers of phenylmethylcarbinol and its homologues. 2,248,518; July 8.
Stanley, Hergert M. (See Philip, T. B., Stanley and Wood.)
Stanley Works, The. (See Curtiss, George E., Jr., assignor.)
Stapelfeldt, Arnold, Klein-Machnow, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Sound recording device. 2,248,790; July 8.
Stator Corporation. (See Gulick, Russell A., assignor.)
Stator Corporation. (See Whitney, Lyman F., assignor.)
Stator Corporation. (See Whitney, William E., assignor.)
Staude, Edwin G., Minneapolis, Minn. Machine for applying and drying adhesive. 2,248,255; July 8.
Steed, Edgar L. (See Woolf, W. L., and Steed.)
Stegeman, Henry J., Fairfield, Conn., assignor to The Locke Steel Chain Company, Bridgeport, Conn. Flexible drive. 2,248,256; July 8.
Steinberg, Lewis, San Francisco, Calif. Cigarette holder. 2,248,418; July 8.
Stelzer, Franz H. B., and H. R. Kasper, Dresden, Germany, assignors by mesne assignments to J. C. Muller N. V., Rotterdam, Netherlands. Tobacco feed regulating device. 2,248,725; July 8.
Stepanoff, Alexey J., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Double casing pump. 2,248,312; July 8.
Stettner, Ludwig W., Piedmont, assignor to Victor Equipment Co., San Francisco, Calif. Pressure regulator. 2,248,592; July 8.
Stevens, Donald R., Swissvale, and W. A. Gruse, Wilkinsburg, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Dialkyl-cyclohexyl-phenol. 2,248,827; July 8.
Stevens, Donald R., Swissvale, and W. A. Gruse, Wilkinsburg, assignors to Gulf Oil Corporation, Pittsburgh, Pa. 2,4,6-tri-tertiary-butyl phenol. 2,248,828; July 8.
Stevens, Donald R., Swissvale, and W. A. Gruse, Wilkinsburg, assignors to Gulf Oil Corporation, Pittsburgh, Pa. 2,4,6-tri-tertiary-amyl phenol. 2,248,829; July 8.
Stevens, Sally M., executrix. (See Rosing, T. F., and Stevens.)
Stevens, William C. (See Rosing, T. F., and Stevens.)
Stevens, William H., Waukegan, Ill. Vehicle drive. 2,248,313; July 8.
Stewart-Warner Corporation. (See Le Fevre, Arden W., assignor.)
Stillson, Gordon H., Oakmont, and D. W. Sawyer, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Alkylated phenol. 2,248,830; July 8.
Stillson, Gordon H., Oakmont, and D. W. Sawyer, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Alkylated phenol. 2,248,831; July 8.
Stobbe, Ludwig H. O., Salt Lake City, Utah. Sanitary device for cleansing the hands and arms. 2,248,205; July 8.
Stocker, Arthur C., Haddon Heights, N. J., assignor to Radio Corporation of America. Frequency generator. 2,248,442; July 8.
Stockstrom, Arthur, and A. H. Brodbeck, assignors to American Stove Company, St. Louis, Mo. Warming shelf for ranges. 2,248,443; July 8.
Stoddard, William O., Detroit, Mich. Production of pile fabrics. 2,248,135; July 8.
Stoll, Henry C., Bronz, N. Y. Address plate. 2,248,726; July 8.
Stolp-Gore Co. (See Gore, James L., assignor.)
Strickland, Royal F., Cleveland Heights, Ohio, assignor to General Electric Company. Method and apparatus for sealing envelopes. 2,248,647; July 8.
Strobel, Howard M., Allegany, N. Y. Signaling system. 2,248,727; July 8.
Stroop, John H., assignor to The Pad-Y-Wax Company, Inc., New York, N. Y. Packaging method and machine. 2,248,471; July 8.
Strosk, Mark, Washington, D. C. Oil burner. 2,248,728; July 8.
Subkow, Philip. (See Merrill, D. R., and Subkow.)
Sulzer Frères, Société Anonyme. (See Moessinger, Albert, assignor.)
Suman, Robert W., Chicago, Ill., assignor to Link-Belt Company. Ash removal equipment for stokers. 2,248,206; July 8.
Summit Mold & Machine Company, The. (See Brundage, James W., assignor.)
Sun Oil Company. (See Armstrong, Edward R., assignor.)
Superior Tube Company. (See Pruckner, Anton A., assignor.)
Swanson, Hjalmar A., assignor to Cummins Perforator Company, Chicago, Ill. Portable duplex perforator. 2,248,136; July 8.
Taper, Oscar C., and J. G. Frost, Seattle, Wash., assignors to Ray Oil Burner Co., San Francisco, Calif. Fuel oil burner. 2,248,395; July 8.
Taylor, Charles. (See Fingar, R. M., and Taylor.)
Taylor, Edward S., Cambridge, Mass., assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J. Dynamic damper for in-line engines. 2,248,791; July 8.
Taylor, Howard W., Westerly, R. I., assignor to The Atwood Machine Company, Stonington, Conn. Traverse mechanism for textile machines. 2,248,832; July 8.
Taylor, Maurice C., and W. C. Gardiner, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Electrolysis of alkali metal brines. 2,248,137; July 8.

Taylor, Philip B., Upper Montclair, N. J., assignor to Wright Aeronautical Corporation. Right-angled gear drive. 2,248,792; July 8.
Taylor, Robert S., Seattle, Wash. Speed change axle. 2,248,138; July 8.
Taylor, Roland C. (See Milnor, J. W., Cannon, Taylor and Randall.)
Tedder Fruit Branding Machine Company. (See Tedder, Ira A., assignor.)
Tedder, Ira A., San Benito, Tex. Fruit branding device or tool. 2,248,207; July 8.
Tedder, Ira A., San Benito, Tex., assignor to Tedder Fruit Branding Machine Company. Fruit branding machine. 2,248,208; July 8.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hofer, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kleen, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Krelenfeld, Friedrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Teleregister Corporation, The. (See Haselton, Merton L., assignor.)
Teleregister Corporation, The. (See Haselton, M. L., and May, assignors.)
Teleregister Corporation, The. (See Quinby, William F., assignor.)
Teletype Corporation. (See Larson, Edward S., assignor.)
Teletype Corporation. (See Potts, Louis M., assignor.)
Tellegen, Bernardus D. H. (See Rinia, H., Neeteson and Tellegen.)
Temprite Products Corporation. (See McLaughlin, Howard B., assignor.)
ter Horst, William P., Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticide. 2,248,458; July 8.
Ternes, Raymond F. (See Eger, E., and Ternes.)
Ternstedt Manufacturing Company. (See Rhein, Lloyd R., assignor.)
Terry, Allen E., Los Angeles, Calif. Shaper for tabulating machine cards. 2,248,396; July 8.
Terry, Victor J., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Regulating the amplitude of electric waves. 2,248,793; July 8.
Teves, Alfred, Maschinen-und Armaturen Fabrik G. m. b. H. (See Pleines, Adam, assignor.)
Texas Company, The. (See Gee, William P., assignor.)
Texas Company, The. (See Gross, H. H., and Smisloff, assignors.)
Texas Company, The. (See Hart, Sterling P., assignor.)
Thal, Martha, Chicago, Ill. Producing pies. 2,248,289; July 8.
Thatcher, Linden A., assignor to Pitney-Bowes Postage Meter Company, Stanford, Conn. Register actuating device. 2,248,257; July 8.
Thibault, Joseph O., Bridgeport, and G. F. Bahr, Fairfield, assignors to Casco Products Corporation, Bridgeport, Conn. Rear vision mirror. 2,248,833; July 8.
Thomas, Norman M., Pelham, N. Y., and H. Siemund, Chicago, Ill., assignors to Joe Lowe Corporation, New York, N. Y. Portable stick handling carrier. 2,248,648; July 8.
Thomas, Stephen J., Long Beach, Calif. Sand trap and filter for oil wells. 2,248,834; July 8.
Thomason, Hjalmar, Los Angeles, Calif. Riveting machine. 2,248,139; July 8.
Thompson, George W., Jr., Owensboro, Ky. Pickup hay baler. 2,248,519; July 8.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,248,397; July 8.
Thompson, Oscar T., Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Method and machine for folding sanitary napkins. 2,248,649; July 8.
Thorne, William E., assignor to Lansing Company, Lansing, Mich. Factory truck. 2,248,398; July 8.
Thumin, Carl, Yeadon, Pa., assignor to General Electric Company. Electric circuit breaker. 2,248,593; July 8.
Tischler, Richard J., et al. (See Parsons, Frank H., assignor.)
Tollefsen, Reidar A. (See Klein, M., and Tollefsen.)
Tombolini, Alfredo, Milan, Italy. Type bar mechanism for typewriters. 2,248,691; July 8.
Torok, Julius J., Corning, N. Y. Variable ratio mechanical drive mechanism. 2,248,444; July 8.
Towner Manufacturing Co. (See Domries, Otto W.)
Trainer, Maurice N. (See Pogue, R. B., and Trainer.)
Troche, Herman J., assignor to The American Coach & Body Company, Cleveland, Ohio. Ladder utility vehicle. 2,248,794; July 8.
Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Letter opener. 2,248,140; July 8.
Twitchell, Morton C. (See Coley, N. B., and Twitchell.)
Uhlmann, Wolfram, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electron tube. 2,248,795; July 8.
Ulrich, Heinrich, and E. Ploetz, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Quaternary alkylol poly-ammonium compounds and process for producing them. 2,248,729; July 8.

Underwood Elliott Fisher Company. (See Hoffman, Jacob N., assignor.)
Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)
Underwood Elliott Fisher Company. (See Sagner, Walter T., assignor.)
Underwood Elliott Fisher Company. (See Wise, Elmer L., assignor.)
Union Oil Company of California. (See Merrill, D. R., and Subkow, assignors.)
Union Special Machine Company. (See Lutz, Frederick, assignor.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Logan, John W., Jr., assignor.)
Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
United Aircraft Corporation. (See Furay, Carl N., assignor.)
United Aircraft Corporation. (See King, Alexander H., assignor.)
United Aircraft Corporation. (See MacClain, Albert L., assignor.)
United Shoe Machinery Corporation. (See Booth, Irving E., assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United Shoe Machinery Corporation. (See Pratt, John W., assignor.)
United Shoe Machinery Corporation. (See Pratt, J. W., and Heather, assignors.)
United Shoe Machinery Corporation. (See Prichard, William W., assignor.)
United States Gauge Company. (See Klein, M., and Tollefsen, assignors.)
United States Gauge Company. (See McClelland, Bert, assignor.)
United States Rubber Company. (See Eger, E., and Ternes, assignors.)
United States Rubber Company. (See ter Horst, William P., assignor.)
United States Stoneware Company. (See Chamberlain, J. M. W., and Burnip, assignors.)
U. S. Vitamin Corporation. (See Freedman, L., and Dubin, assignors.)
Universal Oil Products Company. (See Kanhofer, Elmer R., assignor.)
Utility Patent Trust No. 17,938, Union Guardian Trust Co. (See Watts, Felix J., assignor.)
V. Ottenthal, Rudolph. (See Goldmann, J., and v. Ottenthal.)
Vacquier, Victor V., Oakmont, and D. A. Salvetti, Blawnox, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Leveling device. 2,248,209; July 8.
Van Cleef Bros. (See Van Cleef, Paul, assignor.)
Van Cleef, Paul, assignor to Van Cleef Bros., Chicago, Ill. Sticker packer. 2,248,317; July 8.
Van Cleef, Paul, assignor to Van Cleef Bros., Chicago, Ill. Making sticker packets. 2,248,318; July 8.
Van der Lee, Gerrit, assignor to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Land, Deventer, Netherlands. Producing nitrogen trichloride. 2,248,650; July 8.
Van Etten, Peter W. (See Peelle, J. F., and Van Etten.)
Van Hooydonk, Adrian C., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Stuffing apparatus. 2,248,835; July 8.
Van Yzeren, Ewoud A. (See Spoor, T. A., Rinia, and Van Yzeren.)
Vatter, Claude A., Long Beach, Calif. Vehicle speed controller. 2,248,314; July 8.
Vaughan, Thomas M., Tampa, assignor to Ely Meyer, Hillsborough County, Fla. Fruit wrapping machine. 2,248,290; July 8.
Veesey, William E., Barnesville, Ga., assignor to The General Tire & Rubber Company, Akron, Ohio. Tire cord. 2,248,901; July 8.
Vickers, Incorporated. (See Harrington, Ferris T., assignor.)
Victor Equipment Co. (See Stettner, Ludwig W., assignor.)
Victor Manufacturing & Gasket Company. (See Kosatka, Thomas O., assignor.)
Vitachrome, Inc. (See Beck, Roy C., assignor.)
Von Andreatta, Bruno, and W. Krauskopf, Kiel, assignors to Anschütz & Co. G. m. b. H., Kiel-Neumühlen, Germany. Repeater compass for submarine boats. 2,248,562; July 8.
Von Losberg, Lester W., Teaneck, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Frozen confection making apparatus. 2,248,651; July 8.
Von Manteuffel, Gert Z., Berlin-Dahlem, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. Directional gyroscope. 2,248,141; July 8.
Voshikian, Peter S. (See Voshikian, Thomas S. and P. S.)
Voshikian, Thomas S. and P. S., Philadelphia, Pa. Shears. 2,248,796; July 8.

Wachsman, Michael, Brooklyn, N. Y., assignor to Wachsman Sons', Inc. Stop motion for knitting machines. 2,248,315; July 8.
Wachsman Sons', Inc. (See Wachsman, Michael, assignor.)
Wacker, Dr. Alexander, Ges. für elektrochemische Industrie m. b. H. (See Edhofer, G., and Wolff, assignors.)
Wagner Electric Corporation. (See Dick, Burns, assignor.)
Wainwright, James A. (See Allan, J., and Wainwright.)
Wainwright, John E. (See Harley, S. J., and Wainwright.)
Walborn, John H., Harrisburg, Pa. Cutting pretzel sticks. 2,248,291; July 8.
Waldbillig, Harry W., Long Beach, Calif. Releasable casting weight. 2,248,258; July 8.
Walker, Harry B. (See Leonard, A. S., and Walker.)
Wall, Alexander C., Schenectady, N. Y., assignor to General Electric Company. Electric ignition device. 2,248,594; July 8.
Wallace, John F., Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorbing strut. 2,248,836; July 8.
Waller, Leland C., Delawanna, N. J., assignor to Radio Corporation of America. Regenerative circuits. 2,248,797; July 8.
Wallgren, August G. F., Stockholm, assignor, by mesne assignments, to Aktiebolaget Nomy, Lidkoping, Sweden. Bearing. 2,248,142; July 8.
Walters, Frank D. F., assignor of one-half to M. A. E. Walters, Easton, Pa. Custom-made hearing aid receiver tip. 2,248,837; July 8.
Walters, John S., Glemsford, England. Machine for twisting together threads or the like. 2,248,838; July 8.
Walters, Mabel A. E. (See Walters, Frank D. F., assignor.)
Wandroik, Walter C., Northbrook, and H. Krisor, Morton Grove, Ill. Brick finishing machine. 2,248,839; July 8.
Ward, Vernon L., et al. (See Moore, Frank C., assignor.)
Warner Bros. Pictures, Inc. (See Anderson, George J., assignor.)
Waterhouse, Charles L., Jr., Dearborn, assignor to General Motors Corporation, Detroit, Mich. Metal body for motor vehicles. 2,248,319; July 8.
Watts, Felix J., assignor to Utility Patent Trust No. 17,938, Union Guardian Trust Co., Detroit, Mich. Electric lamp socket. 2,248,399; July 8.
Weber, Carl, assignor of one-third to W. Kings and one-third to A. Bacon, Chicago, Ill. Bowling game. 2,248,316; July 8.
Weber, Louis J. (See Auld, D. W., and Weber.)
Weber, Karl, assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Flat glass beveling and edging apparatus. 2,248,143; July 8.
Weber Showcase & Fixture Co. (See Weber, Karl, assignor.)
Weeks, Walter R., Hamden, Conn., assignor to General Electric Company. Coffee maker. 2,248,595; July 8.
Westby, Wilhelm H., Redwood Falls, Minn. Automatic radio tuner. 2,248,144; July 8.
Western Cartridge Company. (See Seavey, Frederick R., assignor.)
Western Union Telegraph Company, The. (See Cannon, William D., assignor.)
Western Union Telegraph Company, The. (See Erickson, G. L., and Boughtwood, assignors.)
Western Union Telegraph Company, The. (See Lawton, Chester S., assignor.)
Western Union Telegraph Company, The. (See Milnor, J. W., Cannon, Taylor, and Randall, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harder, Edwin L., assignor.)
Westlund, Pete A. (See Erickson, Orrin L., assignor.)
White, Jesse T., Holmes, N. Y. Smokers pipe. 2,248,259; July 8.
Whitehall Patents Corporation. (See Morin, L. H., and Marinsky, assignors.)
Whiting Corporation. (See Schwarz, Ernst L., assignor.)
Whitney, Lyman F., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Refrigeration apparatus. 2,248,260; July 8.
Whitney, William E., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Aspirator and making the same. 2,248,261; July 8.
Wilder, Harold K., Palo Alto, assignor to S. S. Langendorf, San Francisco, Calif. Making cereal food. 2,248,292; July 8.
Wilder, Marjorie C., New York, N. Y., assignor to Robinson Tag & Label Company. Tag. 2,248,145; July 8.
Wildman Mfg. Co. (See Howie, Kenneth, assignor.)
Wilhide, Glenn C., Towson, Md., assignor to The Black & Decker Manufacturing Company. Grinding valve stems and tappets. 2,248,262; July 8.
Wilkoff, Howard M., Worcester, Mass. Apparatus for and method of treating strand material. 2,248,840; July 8.
Willard, Donald E., assignor to Allith-Prouty, Inc., Danville, Ill. Earth anchor. 2,248,320; July 8.
Williams, Carl B., Jr., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Edge grinding machine. 2,248,263; July 8.
Williams, Charles B. (See Ciani, Americo, assignor.)
Williams, Samuel B., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,248,146; July 8.
Wilsey, Irven H., Chicago, Ill. Game apparatus. 2,248,596; July 8.
Wilson, Edmund P., Forty Fort, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y. Dimpling machine. 2,248,147; July 8.
Wilson, George A., Hamden, assignor to The High Standard Manufacturing Company, New Haven, Conn. Automatic pistol. 2,248,445; July 8.
Wilson, John, Washington, D. C. Apparatus for comparing, matching, or detecting colors. 2,248,148; July 8.
Wilson, Ray O., Los Angeles, Calif., assignor to R. D. Collins. Winding device. 2,248,149; July 8.
Wilson, Roscoe C., West Point, N. Y., and H. W. Case, Dayton, Ohio. Air-cooled engine cowling. 2,248,150; July 8.
Winkeler, Hermann, Schkopau, and A. Petz, Mannheim, Germany, assignors to General Aniline & Film Corporation. Production of substantive azo dyestuffs. 2,248,151; July 8.
Winkler, Fritz. (See Linckh, E., and Winkler.)
Winthrop Chemical Company. (See Behnisch, R., Klarer, and Mietzsch, assignors.)
Wirtel, Arthur F. (See De Groote, M., and Wirtel.)
Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Line space mechanism for record making machines. 2,248,152; July 8.
Wise, Elmer L., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,248,571; July 8.
Wittmann, Robert A., assignor to Chicago By-Products Corporation. Apparatus for controlling fluid flow. 2,248,798; July 8.
Wochinger, Eduard, Brieselang, Osthavelland, assignor to Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzretechen m. b. H., Berlin, Germany. Trunking system. 2,248,799; July 8.
Wohlfarth, Reinhard M., assignor to Aktiengesellschaft vorm. Seidel & Naumann, Dresden, Germany. Optical profile grinding machine. 2,248,446; July 8.
Wolff, Georg. (See Edhofer, G., and Wolff.)
Wolff, Hanns-Heinz, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc. Circuit arrangement for current or potential distortion. 2,248,563; July 8.
Wood Conversion Company. (See Heritage, Clark C., assignor.)
Wood, Delmont E., Birmingham, Ala. Marine electric gear shift. 2,248,564; July 8.
Wood, Joseph K., Bronx, assignor to General Spring Corporation, New York, N. Y. Spring device. 2,248,447; July 8.
Wood, Joseph K., Bronx, assignor to General Spring Corporation, New York, N. Y. Support device. 2,248,730; July 8.
Wood, Lyndon D., assignor to National Hops Laboratories, Inc., Chicago, Ill. Emulsifying the essential principles of hops. 2,248,153; July 8.
Wood, Ross D. (See Blue, Archie H., assignor.)
Wood, Wallace H. (See Indge, H. S., and Wood.)
Wood, William L. (See Philip, T. B., Stanley, and Wood.)
Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Filling and venting structure. 2,248,264; July 8.
Woodruff, Clarence A. (See Auchincloss, S. S., and Woodruff.)
Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Wing beam. 2,248,520; July 8.
Woodson, Omer L. (See Rowe, D. C., Graham and Woodson.)
Woolf, William L., Bayside, Long Island, and E. L. Steed, Woodside, assignors to Recordgraph Corporation, New York, N. Y. Sound record film. 2,248,293; July 8.
Worthington, James B., and V. Bartley, Oklahoma City, Okla. Microscope projector. 2,248,210; July 8.
Wright Aeronautical Corporation. (See Pierce, Erold F., assignor.)
Wright Aeronautical Corporation. (See Setterblade, Earl O., assignor.)
Wright Aeronautical Corporation. (See Taylor, Edward S., assignor.)
Wright Aeronautical Corporation. (See Taylor, Philip B., assignor.)
Wright, Kindy C. (See Richards, H. L., and Wright.)
Wright, William F. (See Ballou, William R., Jr., assignor.)
Wright, William F., Santa Monica, Calif. Wheel balancing weight. 2,248,265; July 8.
"Wurker." (See Scheibel, Kurt, assignor.)
Wurlitzer, Rudolph, Company, The. See Hull, Charles J., assignor.)
Wynne, Robert J., Bellwood, Ill., assignor to Irving D. Porter. Automatic container washing machinery. 2,248,597. July 8.
Yoder, Joe, Cleveland, Ohio, assignor to General Electric Company. Tubular lamp base and socket. 2,248,598; July 8.
Youell, James E. (See Stanley, H. M., Minkoff, and Youell.)
Young, Ben H., Chicago, Ill. Electric switch. 2,248,154; July 8.

Young, Ben H. (See Devore, R. W., and Young.)
Young, Bob, Houston, Tex. Well tool. 2,248,211; July 8.
Young, Lloyd W., Scotch Plains, N. J., assignor to Oxweld Acetylene Company. Gas mixer. 2,248,731; July 3.
Ysskin, Samuel, Newark, N. J. Starting device. 2,248,652; July 8.
Zaucker, Ewald. (See Meisenburg, K., Dennstedt, and Zaucker.)
Zellner, Carl N., assignor to Merck & Co. Inc., Rahway, N. J. Production of indole acids. 2,248,155; July 8.
Zens, Frank J. (See Morgenroth, F., and Zens.)
Zintl, Eduard, Darmstadt, W. Brauning, Sandersdorf, and W. Krings, Bitterfeld, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Removing silica from argillaceous alumino-silicates. 2,248,472; July 8.

LIST OF DESIGN INVENTIONS

Airplane. L. E. Oliver. 128,173; July 8.
Automobile. R. Cadwallader. 128,202; July 8.
Bath-tub, wash basin, and water closet, Combined. C. Ostrowski. 128,143; July 8.
Battery charger. A. C. Fletcher. 128,206; July 8.
Beach kit. F. N. Lewis. 128,122; July 8.
Book carrier. A. F. Schoenfeld. 128,178; July 8.
Bottle. L. Miglioretti. 128,193; July 8.
Bottle. P. Schwartz. 128,179; July 8.
Bottle, Dairy. P. B. Arnold. 128,153; July 8.
Bottle or similar article. J. S. Steelman. 128,195; July 8.
Bottle or similar article. R. Sussman. 128,218; July 8.
Bottle stopper. A. I. Lorenzen. 128,167; July 8.
Box, Hat. M. W. Cresap, Jr. 128,159; July 8.
Booth, Refreshment. A. T. Jory. 128,165; July 8.
Bracket, Wall. G. Rebechini. 128,175; July 8.
Bracket, Wall. A. Simkins. 128,180; July 8.
Brooch or similar article. E. Steiner. 128,181; July 8.
Brooch or similar article. A. Steinreich. 128,148; July 8.
Brush, Pastry. H. Cave. 128,105; July 8.
Burner bowl and utensil support for ranges, Combined. J. F. Hennessy. 128,164; July 8.
Candlestick or similar article. C. W. Gustkey. 128,113; July 8.
Canopy, Casket display. C. W. Arnold and O. J. Hinger. 128,130; July 8.
Card trick device. K. S. Franke. 128,162; July 8.
Case, Battery. E. Arens. 128,152; July 8.
Case, Cosmetic. P. A. Derham and J. H. Newport, Jr. 128,188; July 8.
Chair, Shoe shiner's. V. M. Fetterhoff. 128,161; July 8.
Chapel, Funeral service. A. H. Gruber. 128,137; July 8.
Clock, Electric. J. Gottlieb. 128,110–12; July 8.
Clock or similar article. K. Lerman. 128,166; July 8.
Coat. F. Amsterdam. 128,199; July 8.
Coat. A. Del Re. 128,203–4; July 8.
Coat. O. Hauptman. 128,207–9; July 8.
Coat. O. Hauptman. 128,225; July 8.
Coat. H. Shacter. 128,217; July 8.
Combs, Combined bow and side. L. Karlen. 128,190; July 8.
Container, Paper cup. H. F. Melville. 128,124; July 8.
Dental profile, Recorder. W. L. Schmitz, Jr. 128,127; July 8.
Desk unit, Combination. E. R. Posnack. 128,174; July 8.
Dispenser for tooth powder and the like. P. C. P. Booty. 128,158; July 8.
Dispenser, Beverage. H. Berg. 128,155; July 8.
Doll. I. von Schenk. 128,182; July 8.
Dress. P. H. Bailey. 128,200–1; July 8.
Dress. E. Cutler. 128,223–4; July 8.
Dress. M. Fields. 128,205; July 8.
Dress. J. W. Holsten. 128,227–8; July 8.
Dress. L. Joel. 128,210; July 8.
Dress. R. R. Kass. 128,229; July 8.
Dress. L. Katz, 128,230–1; July 8.
Dress. S. B. Kaufman. 128,232; July 8.
Dress. D. Novick. 128,215; July 8.
Dress. J. Richards 128,235–6; July 8.
Dress. K. Rost. 128,237; July 8.
Dress. S. Zahn. 128,239; July 8.
Dress ensemble. W. Clion. 128,222; July 8.
Dress ensemble. J. W. Holsten. 128,226; July 8.
Dress ensemble. D. Mayehoff. 128,234; July 8.
Dress ensemble. O. C. Nadel. 128,214; July 8.
Dress ensemble, Dinner. S. B. Kaufman. 128,233; July 8.
Envelope. W. Whiting. 128,221; July 8.
Fabric, Knitted. J. A. Viret. 128,219; July 8.
Fabric or similar article, Textile. R. Finkelstein. 128,189; July 8.
Fabric, Textile. J. Cummings. 128,106–7; July 8.
Fabric, Textile. J. L. Koehne. 128,115–17; July 8.
Fabric, Textile. W. A. Landry. 128,120; July 8.
Fabric, Textile. E. McLaughlin. 128,213; July 8.
Fan, Electric. G. Moskowitz. 128,142; July 8.
Font of type. G. Strelakos. 128,197; July 8.
Golf club head. H. Hering. 128,114; July 8.
Guide, Tab. C. E. Jones. 128,118; July 8.
Guitar playing bar. V. E. Zepp. 128,128; July 8.
Handbag, Lady's. A. Stern. 128,196; July 8.
Handle, Fishing rod. V. E. Bell. 128,132; July 8.
Head for vehicle jack, Support. D. A. Dalton. 128,108; July 8.
Heater, Domestic water. E. R. Koppel. 128,191; July 8.
Heater, Water. E. R. Koppel. 128,192; July 8.
Holder, License plate. R. E. Swanson. 128,149; July 8.
Holding and dispensing bracket for tooth paste tubes and the like. W. D. Seigh. 128,147; July 8.
Key rack. M. E. Rogat. 128,176; July 8.
Knife or analogous article, Cake. M. Yellin. 128,186; July 8.
Knife sharpener. L. H. Cruncleton. 128,160; July 8.
Knob for an electric switch. E. W. Landmeier. 128,119; July 8.
Lace. W. Michl. 128,169–70; July 8.
Light, Flood. H. E. Rutledge. 128,125–6; July 8.
Magnifying unit. A. D. Mizzy. 128,171; July 8.
Magneto electric generator. E. A. Vogel. 128,151; July 8.
Muffler. L. W. Welch. 128,184; July 8.
Necklace. M. C. Meyer. 128,168; July 8.
Necklace or the like. H. J. Berry. 128,157; July 8.
Paint applicator or similar article. L. Sommerhauser. 128,238; July 8.
Parking meter casing. D. C. Rockola. 128,144; July 8.
Photographic enlarger. A. A. Leonard. 128,121; July 8.
Pin or similar article. M. Boucher. 128,104; July 8.
Plaque. A. Angeli. 128,129; July 8.
Plug, Female electric. J. O. Reinecke. 128,216; July 8.
Printing press. A. Weiss. 128,198; July 8.
Range, Electric. A. Barnsteiner and E. H. Lockwood. 128,154; July 8.
Range, Electric. R. Loewy. 128,123; July 8.
Redingote. H. May. 128,201–2; July 8.
Register. W. C. De Roo and A. E. Kletzmann. 128,109; July 8.
Shuttle for game of badminton. F. Bentley. 128,135; July 8.
Sock, Inside foot-pad. A. E. Berger. 128,156; July 8.
Spray head. H. Werner. 128,220; July 8.
Stand and electric fan combined. W. W. Welch and W. A. Spear. 128,185; July 8.
Stand, Display. M. C. Meyer. 128,140–1; July 8.
Stand for combs, Display. M. Rosedale. 128,146; July 8.
Stand for tooth brushes, Display. M. Rosedale. 128,145; July 8.
Stand, Reading. J. A. Morgan. 128,172; July 8.
Statuette. F. Rosetta. 128,194; July 8.
Stove, Portable cooking. D. H. Bitney. 128,187; July 8.
Support for a beverage container, or the like. P. J. Swofford. 128,150; July 8.
Switch, Electric. N. C. Fetter. 128,136; July 8.
Top, Table. M. Greitzer. 128,163; July 8.
Tire. P. E. Hawkinson. 128,139; July 8.
Tire casing. C. P. Bedell. 128,131; July 8.
Toy, Figure. R. Bendersky. 128,133–34; July 8.
Toy horse. I. von Schenk. 128,183; July 8.
Tray or similar article. L. Guild. 128,138; July 8.
Vase or similar article. C. Romanelli. 128,177; July 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. J. W. Pratt. 2,248,191; July 8.
Abrading machine. J. W. Pratt and C. H. Heather. 2,248,192; July 8.
Abrasive article and making same. R. P. Carlton and T. J. Miller. 2,248,853; July 8.
Acids, Production of indole. C. N. Zellner. 2,248,155; July 8.
Acids to alcohols, Reduction of fatty. W. Rittmeister. 2,248,465; July 8.
Address plate. H. C. Stoll. 2,248,726; July 8.
Agricultural implement. J. D. McKahin. 2,248,505; July 8.
Air conditioning. F. W. Locke. 2,248,713; July 8.
Airplane construction. L. Holden and C. De Hibbs. 2,248,235; July 8.
Air supply means for Diesel engines. H. Maruhn. 2,248,544; July 8.
Alcohols, Treatment of halogenated polyhydric. K. E. Marple and T. W. Evans. 2,248,635; July 8.
Aligner. G. Mafera. 2,248,715; July 8.
Alkaloids from koto-tsuzurafuji (stephania sasakii Hayata), Preparing. H. Kondo and S. Hasegawa. 2,248,241; July 8.
Alkylated phenol. G. H. Stillson and D. W. Sawyer. 2,248,830–1; July 8.
Alkylolamines, Derivatives of polymerized. M. B. Katzman and A. K. Epstein. 2,248,089; July 8.
Alkyl-phenylphenols, Branched chain. E. C. Britton, G. H. Coleman, and R. P. Perkins. 2,248,401; July 8.
Alternator. C. A. Culver. 2,248,661; July 8.
Alumina, Recovery of. J. C. Scailles and W. R. G. Dyckerhoff. 2,248,826; July 8.
Aluminum base alloys, Heat treatment of. J. A. Nock, Jr. 2,248,185; July 8.
Amplifier for television purposes, Intermediate frequency. K. Schlesinger. 2,248,561; July 8.
Anchor, Earth. D. E. Willard. 2,248,320; July 8.
Annular magnets, Magnetizing of. L. Jurák. 2,248,272; July 8.
Antenna and control means therefor, Radio beam. W. S. Burkhart. 2,248,335; July 8.
Antenna array, Directional. A. Alford. 2,248,800; July 8.
Antenna network. G. E. M. Perroux. 2,248,788; July 8.
Antennae, Directional. E. Kramar and H. Johannson. 2,248,762; July 8.
Antiskid device. F. J. Libbey. 2,248,537; July 8.
Apparatus and method for carrying out chemical reactions. P. G. Bird. 2,248,055; July 8.
Apparatus for and method of treating strand material. H. M. Wilkoff. 2,248,840; July 8.
Apparatus for applying and drying adhesive. E. G. Staude. 2,248,253; July 8.
Apparatus for assembling nuts and bolts. C. T. Mulvany. 2,248,183; July 8.
Apparatus for carbonating liquids. G. W. Newton. 2,248,184; July 8.
Apparatus for coking petroleum. R. W. Garman. 2,248,677; July 8.
Apparatus for comparing, matching, or detecting colors. J. Wilson. 2,248,148; July 8.
Apparatus for controlling fluid flow. R. A. Wittmann. 2,248,798; July 8.
Apparatus for controlling railway switches. J. W. Logan, Jr. 2,248,915; July 8.
Apparatus for cracking nuts. A. B. Low. 2,248,368; July 8.
Apparatus for disintergrating cereals and other granular materials. A. E. François. 2,248,526; July 8.
Apparatus for drying threadlike articles. L. S. Fryer. 2,248,406; July 8.
Apparatus for enrobing frozen confectionary products with chopped nuts and similar substances. M. B. Rasmusson. 2,248,643; July 8.
Apparatus for forming and cutting sheet metal. D. C. Rowe, C. R. Graham, and O. L. Woodson. 2,248,786; July 8.
Apparatus for handling materials. N. R. Anderson. 2,248,841; July 8.
Apparatus for indicating, controlling and recording the level of liquids in vessels. D. H. Annin. 2,248,322; July 8.
Apparatus for making ornamental articles. D. J. Kelman. 2,248,572; July 8.
Apparatus for manufacturing floor mats. D. F. Collins. 2,248,743; July 8.
Apparatus for measuring the amplitude of oscillations. F. Allendorff. 2,248,653; July 8.
Apparatus for purifying water. A. M. R. Karlström. 2,248,177; July 8.
Apparatus for removing plaster from plate glass surfacing tables. J. G. Haworth. 2,248,232; July 8.
Apparatus for shelling nuts. R. Balner and C. E. Barbee. 2,248,327; July 8.
Apparatus for treating solid materials with volatile organic solvents. G. Edhofer and G. Wolff. 2,248,662; July 8.
Arbor for spools or the like. G. B. Markle, Jr. 2,248,716; July 8.
Article made of Cellophane. P. Feeley and D. Dingilian. 2,248,617; July 8.
Artificial filaments and apparatus therefor, Manufacture and production of. J. H. Givens. 2,248,862; July 8.
Ash receptacle, Tobacco. T. M. Dick and M. J. Fletcher. 2,248,163; July 8.
Ash removal equipment for stokers. R. W. Suman. 2,248,206; July 8.
Aspirator and making the same. W. E. Whitney. 2,248,261; July 8.
Aspirator assembly. R. A. Gulick. 2,248,230; July 8.
Automatic gun trap. R. E. Barnes. 2,248,157; July 8.
Automobile cover. J. M. Bila. 2,248,655; July 8.
Automobile roof, Collapsible. G. Liebler. 2,248,538; July 8.
Automobile steering apparatus. G. S. Reeves. 2,248,251; July 8.
Awning center support. E. H. Schane. 2,248,414; July 8.
Axle contact. A. J. Sorenson. 2,248,394; July 8.
Azo dyestuff, Production of substantive. H. Winkeler and A. Petz. 2,248,151; July 8.
Bactericidal apparatus. R. A. Fischer. 2,248,618; July 8.
Bag; *See*—
Lifting strip bag.
Bag making machine and method. H. W. Parrish. 2,248,895; July 8.
Bag sealing machine. N. H. Nye, R. L. and R. W. Penn. 2,248,248; July 8.
Band-filter device. W. Hagen. 2,248,754; July 8.
Band pass coupling network. H. O. Roosenstein. 2,248,466; July 8.
Barrel, Pressure retaining core. D. W. Auld and L. J. Weber. 2,248,910; July 8.
Bearing. A. G. F. Wallgren. 2,248,142; July 8.
Bearing means. H. Frauenthal. 2,248,615; July 8.
Bentonite product. J. Marsden. 2,248,636; July 8.
Benzene sulphonic acid derivatives and manufacture thereof. R. Behnisch, J. Klarer, and F. Mietzsch. 2,248,911; July 8.
Bias corrector, Automatic. G. L. Erickson and J. E. Boughtwood. 2,248,857; July 8.
Bicycle. P. Fellman and M. Fellman. 2,248,223; July 8.
Binder loose-leaf. C. H. Franz, Jr. 2,248,345; July 8.
Bit; *See*—
Rock bit.
Bit for coal augers and the like, Detachable. C. R. Anderson. 2,248,733; July 8.
Block; *See*—
Sanding block.
Blocking machine. J. T. Auld. 2,248,419; July 8.
Boat. P. A. Lea. 2,248,881; July 8.
Body for motor vehicles, Metal. C. L. Waterhouse, Jr. 2,248,319; July 8.
Bog shoe and duck boat, Combination. H. L. Richards and K. C. Wright. 2,248,307; July 8.
Boiler. T. E. Murray. 2,248,890; July 8.
Boiler and other heat exchangers. T. E. Murray. 2,248,891; July 8.
Boring head. C. Shaw. 2,248,441; July 8.
Bottle breaking machine. J. J. Mihalko. 2,248,108; July 8.
Bottle carrier, Individual milk. W. Hickman and L. Cossey. 2,248,234; July 8.
Bottle spout, Milk. P. H. Kraetch. 2,248,879; July 8.
Box; *See*—
Cosmetic powder box.
Display box.
Electrical housing box.
Box dumping machine. I. J. Blondón and R. E. Haworth. 2,248,657; July 8.
Bracket; *See*—
Mounting bracket.
Bracket for automobiles, Adjustable carrying. R. G. Hansen. 2,248,170; July 8.
Bracket for conduit outlet boxes and fixtures, Supporting. C. H. Bissell. 2,248,330; July 8.
Brake; *See*—
Emergency brake.
Hydraulic brake.
Brake. F. C. Moore. 2,248,375; July 8.
Brake mechanism. D. H. Robinson. 2,248,437; July 8.

Braking arrangement. R. B. Pogue and M. N. Trainer. 2,248,383; July 8.
Braking mechanism. J. W. Hatch. 2,248,171; July 8.
Braking system, Electric. J. W. McNairy. 2,248,577; July 8.
Brassière. O. Hay. 2,248,300; July 8.
Brick finishing machine. W. C. Wandrok and H. Krisor. 2,248,839; July 8.
Bridge indicator. A. J. Dieckmann. 2,248,856; July 8.
Brines, Electrolysis of alkali metal. M. C. Taylor and W. C. Gardiner. 2,248,137; July 8.
Building, Prison. W. Y. Cocken, Jr. 2,248,805; July 8.
Bumper. L. J. Epps. 2,248,344; July 8.
Bungs, Making. C. E. Shepard. 2,248,417; July 8.
Burner: *See*—
Fuel oil burner. Oil burner.
Button making machine. W. E. Knott. 2,248,360; July 8.
Button-positioning mechanism. O. J. Huelster. 2,248,086; July 8.
Button positioning machine, Selective orienting. O. J. Huelster. 2,248,087; July 8.
Butadienes, Polymerization of. K. Meisenburg, I. Dennstedt, and E. Zaucker. 2,248,107; July 8.
Cabinet: *See*—
Towel cabinet.
Cable installation, Gas filled. G. B. Shanklin and V. A. Sheals. 2,248,588; July 8.
Cage and smoking stand, Bird. A. Krajnc. 2,248,273; July 8.
Calender. J. Jin Sow. 2,248,591; July 8.
Can filling machine. P. F. Skoog. 2,248,311; July 8.
Candy making machine. F. Petrovic. 2,248,688; July 8.
Cap: *See*—
Motorboard cap. Valve stem cap.
Carbon bisulphide, Producing. F. H. Parsons. 2,248,509; July 8.
Carburetor, Self-controlled. M. J. Kittler. 2,248,090; July 8.
Card sorting device. W. L. Jones. 2,248,536; July 8.
Card stencils, Metal inserts for. H. P. Elliott. 2,248,404; July 8.
Card stripping apparatus. W. H. Goldsmith, Jr. 2,248,863; July 8.
Carrier: *See*—
Bottle carrier. Stick handling carrier.
Carrier wave system. H. F. Elliott. 2,248,343; July 8.
Case: *See*—
Display case.
Casting weight, Releasable. H. W. Waldbillig. 2,248,258; July 8.
Catalytic cracking and forming. W. B. Plummer. 2,248,196; July 8.
Cathode-ray tube system. K. Schlesinger. 2,248,557; July 8.
Cellulose dipped articles, Manufacturing. B. Schachter. 2,248,253; July 8.
Cellulose formates, Production of. K. P. Lorenz. 2,248,539; July 8.
Centrifugal pump, Self-priming. O. Jacobsen. 2,248,174; July 8.
Chain: *See*—
Power transmission chain. Tire lug chain.
Chair. E. C. Booth. 2,248,487; July 8.
Chair and bed, Combined. J. D. Bell. 2,248,603; July 8.
Checking system for aircraft. H. R. Hughes and S. A. Bell. 2,248,351; July 8.
Cigarette and cigar quencher. W. E. Hummel. 2,248,873; July 8.
Cigarette holder. L. Steinberg. 2,248,418; July 8.
Cigarettes or other articles, Wrapping of. A. G. Rose. 2,248,724; July 8.
Circuit: *See*—
Electric valve circuit. Tuned circuit.
Radio receiving circuit. Variation response circuit.
Testing circuit.
Circuit arrangement and thermionic valve for amplifying electrical oscillations. D. H. Black and A. H. Roche. 2,248,804; July 8.
Circuit arrangement for current or potential distortion. H.-H. Wolff. 2,248,563; July 8.
Circuit breaker, Electric. C. Thumim. 2,248,593; July 8.
Circuit controlling device. L. W. Guin and J. L. Cissell. 2,248,271; July 8.
Circuit controlling mechanism. T. F. Rosing and W. C. Stevens. 2,248,387; July 8.
Circuit for frequency band expansion, Amplifier. W. Kleen. 2,248,476; July 8.
Circuits, Automatic volume control. W. van B. Roberts. 2,248,785; July 8.
Circuits, Deflecting. D. E. Norgaard. 2,248,581; July 8.
Circuits, Electric valve. E. F. W. Alexanderson and A. H. Mittag. 2,248,600; July 8.
Circuits, Electric valve control. C. C. Herskind. 2,248,624; July 8.
Circuits, Regenerative. L. C. Waller. 2,248,797; July 8.
Circular knitting machine and operating same. R. H. Lawson. 2,248,880; July 8.
Clamping device for paperhangers' outfits. M. C. Harrison. 2,248,299; July 8.
Clip: *See*—
Connector clip.
Clock. L. Prins. 2,248,195; July 8.
Clock and associated timekeeping mechanism. A. H. Neureuther. 2,248,411; July 8.
Clock regulator. B. Johnson. 2,248,631; July 8.
Clock, Sustained power electric. O. H. Dicke. 2,248,165; July 8.
Clock system, Electric. F. C. Holtz. 2,248,237; July 8.
Closure. F. C. Chase. 2,248,065; July 8.
Clothes pole, Folding or sliding. J. Clink. 2,248,808; July 8.
Clutch: *See*—
Friction clutch. Spring lever clutch.
Clutch control. H. Nutt. 2,248,377; July 8.
Clutch plate. G. I. Goodwin. 2,248,228; July 8.
Coat and knapsack combination. F. Freund. 2,248,455; July 8.
Coating, particularly for manufacture of abrasives. R. P. Carlton and T. J. Miller. 2,248,064; July 8.
Coatings on magnesium and its alloys, Treating electrolytic. R. W. Buzzard. 2,248,062–3; July 8.
Coffee maker. W. R. Weeks. 2,248,595; July 8.
Coke oven door locking screws, Actuating mechanism for. C. Otto. 2,248,187; July 8.
Coke stills, Removing coke from. L. de Florez. 2,248,903; July 8.
Cold roll forming machine, Universal. R. C. P. Kane. 2,248,088; July 8.
Collar support. C. A. Calder and L. E. Shaw. 2,248,849; July 8.
Combination lock. M. Schnur. 2,248,310; July 8.
Comforter, Pocket form. E. H. Licht. 2,248,768; July 8.
Compact. J. A. Porter. 2,248,689; July 8.
Compass, Magnetic. C. S. Draper and W. McKay. 2,248,748; July 8.
Composition of matter. R. Engelhardt and C. Heuck. 2,248,749; July 8.
Compound for destroying water hyacinth and method. K. J. Boyd. 2,248,159; July 8.
Compression-expansion system. E. W. Herold. 2,248,757; July 8.
Concentration. G. A. Krause. 2,248,634; July 8.
Concrete floor structure, Reinforced. W. H. Smith. 2,248,517; July 8.
Cone, Ice cream sundae. F. R. Chester. 2,248,448; July 8.
Confection making apparatus, Frozen. L. W. Von Losberg. 2,248,651; July 8.
Conical shells, Forming. N. Michelman. 2,248,278; July 8.
Connector. W. J. Hooper. 2,248,238; July 8.
Connector clip. W. Owen. 2,248,718; July 8.
Contact testing device. J. H. McConnell. 2,248,545; July 8.
Contactor, Fluid pressure operated. H. R. Canfield. 2,248,851; July 8.
Container: *See*—
Key container. Self-closing container.
Container. E. C. Hulett. 2,248,682; July 8.
Container. C. B. McClaskey. 2,248,885; July 8.
Container. G. A. Moore. 2,248,578–9; July 8.
Container capping and tying machine. G. Arnberg. 2,248,324; July 8.
Control apparatus for vapor electric discharge devices. W. D. Cockrell. 2,248,611; July 8.
Control circuit, Radio receiver overload. H. Rinia, P. A. Neeteson and B. D. H. Tellegen. 2,248,783; July 8.
Control device. G. I. Holmes. 2,248,672; July 8.
Control equipment for prime mover electric generating plants. W. A. Bagley. 2,248,601; July 8.
Control equipment for prime mover electric generating plants. H. Bany. 2,248,602; July 8.
Control system. R. H. Hill. 2,248,350; July 8.
Control system, Frequency. A. L. Green. 2,248,753; July 8.
Control system, Lighting. P. Holcomb, Jr. 2,248,084–5; July 8.
Controlling means for hoisting mechanism. E. L. Schwarz. 2,248,393; July 8.
Conveyer system. J. E. Moore. 2,248,376; July 8.
Cooling system for draft beverages. H. B. McLaughlin. 2,248,637; July 8.
Copyholder. L. W. Shafer. 2,248,416; July 8.
Copying lenticular films. J. Eggert and G. Heymer. 2,248,904; July 8.
Cord, Upholstery. W. E. Sackner. 2,248,123; July 8.
Corn popping apparatus. C. J. Cretors. 2,248,812; July 8.
Cosmetic powder box. A. J. Kusterer. 2,248,274; July 8.
Coupling: *See*—
Hose coupling.
Coupling. T. E. D. Bilde. 2,248,269; July 8.
Coupling. H. W. Fowler. 2,248,701; July 8.
Coupling. L. Kamenarović. 2,248,428; July 8.
Cover: *See*—
Automobile cover.
Cowling, Air-cooled engine. R. C. Wilson and H. W. Case. 2,248,150; July 8.
Cowtail holder. C. Schirmer. 2,248,287; July 8.
Cup dispensing apparatus. A. F. Miller. 2,248,479; July 8.
Curler for permanently giving a marcel waving to the hair, Electric. M. R. M. Gil. 2,248,527; July 8.
Cushion mounting, Seat back. C. W. Rei. 2,248,120; July 8.
Cutoff machine. B. A. Olsen. 2,248,115; July 8.
Cutter: *See*—
Roller cutter.
Cutter for chamfering gears. J. E. Gleason. 2,248,168; July 8.

Cutting device, Electrical. W. L. Bond. 2,248,057; July 8.
Cutting device for heel breasts. C. H. Coulson. 2,248,855; July 8.
Cylinder head. C. N. Furay. 2,248,664; July 8.
Cylinder lock. W. E. Hamilton. 2,248,475; July 8.
Damper for in-line engines, Dynamic. E. S. Taylor. 2,248,791; July 8.
Decalcomania transfer and method. R. C. Beck. 2,248,213; July 8.
Decorative device. S. L. Lehigh. 2,248,883; July 8.
Dehumidifier. B. P. Fonda. 2,248,225; July 8.
Dental matrix band. A. F. Hoffmann and H. J. Dettmann. 2,248,532; July 8.
Desk construction. D. G. Anderson. 2,248,049; July 8.
Device for cutting cables and the like. C. R. Phillips. 2,248,642; July 8.
Device for dehoefying honey. J. O. Hallman, Sr. 2,248,867; July 8.
Device for separating beeswax from honey. L. C. Parent. 2,248,893; July 8.
Device for varying the damping of a tuned oscillatory circuit without affecting the tuning. T. A. Sporr, H. Rinia, and E. A. Van Yzeren. 2,248,470; July 8.
Device for web register control mechanism, Protective. J. Degnan. 2,248,043; July 8.
Dialkyl-cyclohexyl-phenol. D. R. Stevens and W. A. Gruse. 2,248,827; July 8.
Die casting different articles. L. H. Morin and D. Marinsky. 2,248,580; July 8.
Die for composite articles, Multiple. C. Pack. 2,248,461; July 8.
Die spotting and tryout press. C. C. Richard and C. H. Kuhn. 2,248,464; July 8.
Dimpling machine. E. P. Wilson. 2,248,147; July 8.
Dispenser: *See*—
Fluid dispenser. Powder dispenser.
Dispensing and packaging device for fluids. M. C. Schwab. 2,248,127; July 8.
Dispensing apparatus. C. Menard. 2,248,277; July 8.
Display box. B. D. Osteen. 2,248,547; July 8.
Display fixture for food or the like, Refrigerated. J. Scilken. 2,248,467; July 8.
Door: *See*—
Metal covered door.
Double casing pump. A. J. Stepanoff. 2,248,312; July 8.
Drafting table. R. G. Le Tourneau. 2,248,276; July 8.
Dress form and making same. M. Lord. 2,248,102; July 8.
Drill: *See*—
Rock drill.
Drilling rig, Offshore. E. R. Armstrong. 2,248,051; July 8.
Drive, Flexible. H. J. Stegeman. 2,248,256; July 8.
Driving mechanism. L. A. McNabb. 2,248,106; July 8.
Drive mechanism, Variable ratio mechanical. J. J. Torok. 2,248,444; July 8.
Drying device, Article. G. M. Sanders and W. E. Lawler. 2,248,389; July 8.
Dust collector. R. Little. 2,248,181; July 8.
Dyeings and the dyed fiber obtained thereby, Producing fast. W. Kirst, W. Alt, and H. Krzikalla. 2,248,091; July 8.
Dyestuffs, Trisazo. E. Glietenberg, J. Hilger, and W. Hartmann. 2,248,074; July 8.
Edge grinding machine. C. B. Williams, Jr. 2,248,263; July 8.
Egg filtering and treating apparatus. B. R. Harris. 2,248,077; July 8.
Electric arc lamp. G. J. Anderson. 2,248,050; July 8.
Electric circuit and control for ironer shoes. J. W. Jensen. 2,248,676; July 8.
Electric lamp. E. Schwarz. 2,248,392; July 8.
Electric plug connection. J. A. Buckley. 2,248,605; July 8.
Electric plug, Revolvable. J. J. Hollander. 2,248,759; July 8.
Electric switch. A. W. Krieger. 2,248,361–2; July 8.
Electric switch. A. W. Plensler. 2,248,510; July 8.
Electric switch. B. H. Young. 2,248,154; July 8.
Electric switch mechanism. C. J. Hull. 2,248,674; July 8.
Electric valve circuit. C. C. Herskind. 2,248,626; July 8.
Electrical contact and making same, Multiple finger. W. Huppert. 2,248,675; July 8.
Electrical housing box. V. G. Elben. 2,248,817; July 8.
Electrical indicating means. M. L. Haselton. 2,248,820; July 8.
Electron tube. W. Uhlmann. 2,248,795; July 8.
Electroplating baths, Treating. J. Korpium. 2,248,092; July 8.
Emergency brake. A. E. Leach. 2,248,364; July 8.
Emergency safety control, Automatic. R. Rust. 2,248,511; July 8.
Engine: *See*—
Internal combustion engine.
Engine cranking system. B. M. Leece. 2,248,244; July 8.
Engine torque regulating device. A. L. MacClain. 2,248,245; July 8.
Enol derivatives of cyclopentano phenanthrene compounds and making same. L. Ruzicka and W. Fischer. 2,248,438; July 8.
Envelopes, Sealing evacuated. M. Reger and H. Jancke. 2,248,644; July 8.
Equipment for air conditioning vehicles. W. R. Ballou, Jr. 2,248,654; July 8.
Esters, Preparing aminated. P. C. Jones. 2,248,356; July 8.
Ethers and making same, Xenyl aryloxy alkyl. G. H. Coleman, L. E. Mills, and G. V. Moore. 2,248,491; July 8.
Ethers of phenylmethylcarbinol and its homologues, Manufacture of. H. M. Stanley, G. Minkoff, and J. E. Youell. 2,248,518; July 8.
Explosive. F. R. Scavey. 2,248,587; July 8.
Extraction. L. Freedman and H. E. Dubin. 2,248,619; July 8.
Extraction apparatus. L. Freedman and H. E. Dubin. 2,248,620; July 8.
Extraction process, Solvent. G. H. B. Davis. 2,248,067; July 8.
Eyeglass pad construction. E. Dobson. 2,248,816; July 8.
Fabric: *See*—
Knitted fabric.
Fabrics, Production of pile. W. O. Stoddard. 2,248,135; July 8.
Fabricating welded assemblies. R. T. Gillette. 2,248,621; July 8.
Fastener. E. B. Fernberg. 2,248,224; July 8.
Fastener. E. B. Lear. 2,248,882; July 8.
Feed mechanism for recorders, Reversible. M. M. Gruber and G. J. Saliba. 2,248,622; July 8.
Fence tool, Wire. J. A. Seavey. 2,248,788; July 8.
Fence wicket. O. B. Fetterman. 2,248,860; July 8.
Fender shield latch, Remote control. A. P. Ferguson. 2,248,750; July 8.
Filling and venting structure. J. L. Woodbridge. 2,248,264; July 8.
Film processing system. J. M. Blaney. 2,248,056; July 8.
Film sound record. W. L. Woolf and E. L. Steed. 2,248,293; July 8.
Film spool hub. B. C. Roehrl. 2,248,309; July 8.
Films running asynchronously with the scanning means, Interlaced line scanning. K. Schlesinger. 2,248,552; July 8.
Filter: *See*—
Wave filter.
Filtering and packing material apparatus and method for making. L. R. Smith. 2,248,131; July 8.
Fingering steel for guitars. L. M. McDaniel and J. H. Herring. 2,248,542; July 8.
Fire extinguishing method. E. Geertz. 2,248,270; July 8.
Flashlight lamp. H-J. Helwig and M. Maetschke. 2,248,670; July 8.
Float valve. H. H. Miller. 2,248,433; July 8.
Floor and pattern and guide strip therefor, Terrazzo. L. Oppenheimer. 2,248,412; July 8.
Floor coverings, Manufacturing. D. R. Cotterman. 2,248,811; July 8.
Floor scrubbing machine. W. S. Finnell. 2,248,699; July 8.
Fluid dispenser. N. W. De Frees. 2,248,814; July 8.
Fluid pressure producing device. O. H. Fowler. 2,248,426; July 8.
Fly holder. E. E. Smith. 2,248,130; July 8.
Folding table. H. Howe. 2,248,871; July 8.
Food. Process for making cereal. H. K. Wilder. 2,248,292; July 8.
Foot ailments, Treating. F. Morgenroth and F. J. Zens. 2,248,303; July 8.
Fork, Kitchen. A. J. Lunz. 2,248,685; July 8.
Fountain. F. C. G. Richardson. 2,248,386; July 8.
Frame and bedplate for vertical piston machines, Welded. T. V. Hemmingsen. 2,248,681; July 8.
Frame for women's strapless garments. H. T. Snider. 2,248,204; July 8.
Frequency controlling system. E. A. Green. 2,248,229; July 8.
Frequency generator. A. C. Stocker. 2,248,442; July 8.
Frequency meter. R. M. Rowell. 2,248,586; July 8.
Frequency modulation. O. E. Dow. 2,248,045; July 8.
Frequency modulation. L. C. Smith. 2,248,132; July 8.
Friction clutch. H. Nutt. 2,248,378; July 8.
Fruit branding device or tool. I. A. Tedder. 2,248,207; July 8.
Fruit branding machine. I. A. Tedder. 2,248,208; July 8.
Fruit growth, Stimulation of. G. S. Avery. 2,248,400; July 8.
Fruit wrapping machine. T. M. Vaughan. 2,248,290; July 8.
Frying apparatus. K. L. Childs. 2,248,659; July 8.
Fuel control system. W. A. Ray. 2,248,306; July 8.
Fuel injection apparatus for internal combustion engines. H. Gordon and S. H. Attwood. 2,248,529; July 8.
Fuel oil burner. O. C. Taper and J. G. Frost. 2,248,395; July 8.
Furnace: *See*—
Regenerative furnace. Salt bath furnace.
Game. C. P. L. Bestoso. 2,248,295; July 8.
Game apparatus. A. Ferreri. 2,248,859; July 8.

Game apparatus. I. H. Wilsey. 2,248,596; July 8.
Game, Bowling. C. Weber. 2,248,316; July 8.
Garment bag holder. F. C. Bauer. 2,248,736; July 8.
Garment hanger. F. P. Mies. 2,248,773; July 8.
Garment, Outer. H. Selib. 2,248,288; July 8.
Gas converter and regulator, Liquid. R. F. Ensign. 2,248,222; July 8.
Gas mixer. L. W. Young. 2,248,731; July 8.
Gate: *See*—
Windrowing gate.
Gear: *See*—
Variable ratio gear.
Gear drive, Right-angled. P. B. Taylor. 2,248,792; July 8.
Gear shift, Marine electric. D. E. Wood. 2,248,564; July 8.
Gear shifting mechanism. A. R. Leukhardt. 2,248,431; July 8.
Gear stabilizer. P. C. Day. 2,248,219; July 8.
Gearing device, D. Hindahl. 2,248,706; July 8.
Generator: *See*—
Frequency generator. Sound generator.
Glass beveling and edging apparatus, Flat. K. Weber. 2,248,143; July 8.
Glass, Preparation of sheet. A. D. Nash. 2,248,717; July 8.
Glass sheets, Treated colored. W. O. Lytle. 2,248,714; July 8.
Glass working machine. A. B. Knight. 2,248,430; July 8.
Glove. H. S. Rowles. 2,248,200; July 8.
Goggles, Safety. E. W. Greiner. 2,248,864; July 8.
Golf practice device. L. M. Bales. 2,248,053; July 8.
Governor, Engine. R. M. Fingar and C. Taylor. 2,248,453; July 8.
Grader, Elevating. J. B. Jarmin. 2,248,709; July 8.
Grinder, Race. M. A. Hollengreen, D. Gurney, J. A. Boller, and R. S. Elberty, Jr. 2,248,172; July 8.
Grinding and lapping machine, Cylindrical. H. S. Indge and G. E. Hulbert. 2,248,353; July 8.
Grinding machine, Optical profile. R. M. Wohlfarth. 2,248,446; July 8.
Grinding wheel and mounting therefor. C. J. Phillips. 2,248,382; July 8.
Grinding wheel dressing mechanism. C. L. Ott, B. B. Beard, and H. E. Baisiger. 2,248,463; July 8.
Guard, Antenna grille. A. and J. Hollins. 2,248,236; July 8.
Guard, Splash. J. G. Bukoski. 2,248,216; July 8.
Gun, Mud. A. Osolin and J. W. Ferree. 2,248,434; July 8.
Gyroscope, Directional. G. Z. von Mantteuffel. 2,248,141; July 8.
Hair stretching indicator. L. D. Kroff. 2,248,683; July 8.
Hammer. J. P. H. Francastel. 2,248,523; July 8.
Hammer, Electric. T. J. Murphy. 2,248,110; July 8.
Handle: *See*—
Mattress handle.
Hanger: *See*—
Garment hanger.
Harness. R. L. Durham. 2,248,697; July 8.
Harvester, Stripping. H. T. Cory. 2,248,066; July 8.
Hat, Safety. H. B. Lewis. 2,248,366; July 8.
Hay baler, Pickup. G. W. Thompson, Jr. 2,248,519; July 8.
Headlight, Bicycle. H. L. Kraeft. 2,248,460; July 8.
Hearing aid receiver tip, Custom-made. F. D. F. Walters. 2,248,837; July 8.
Heat energized apparatus. C. Bancroft. 2,248,484; July 8.
Heat transfer agent, Nonflammable. R. R. Dreisbach and R. H. Boundy. 2,248,494; July 8.
Heat transfer device. H. W. Russell. 2,248,909; July 8.
Heater: *See*—
Peanut heater.
Heating apparatus. C. S. Franke. 2,248,524; July 8.
High frequency apparatus. M. Schrumpf. 2,248,787; July 8.
Hinge. G. E. Curtiss, Jr. 2,248,493; July 8.
Hinge. C. A. May. 2,248,372; July 8.
Holder: *See*—
Cigarette holder. Garment bag holder.
Cowtail holder. Milk bottle holder.
Fly holder. Spool holder.
Holder and hanger, Necktie. G. Keeler. 2,248,358; July 8.
Hollow bodies in centrifugal casting molds rotatable about the vertical axis, Producing. F. Bartscherer. 2,248,693; July 8.
Hopper for stokers. T. H. Banfield. 2,248,294; July 8.
Hops, Emulsifying the essential principles of. L. D. Wood. 2,248,153; July 8.
Horn electromagnetic. B. Goleckl. 2,248,669; July 8.
Hose coupling. L. L. McConnohie. 2,248,576; July 8.
Hydraulic brake, Compressed air actuated. A. Pleines. 2,248,435; July 8.
Hydraulic pump. E. C. Dudley. 2,248,449; July 8.
Hydrocarbon conversion. E. R. Kanhofer. 2,248,357; July 8.
Hydrocarbon products by hydrogenation of oxides of carbon, Manufacture of. F. T. Barr. 2,248,734; July 8.
Hydrocarbons from mixtures of carbon monoxide and hydrogen, Production of. E. Linckh and F. Winkler. 2,248,099; July 8.
Hydrogen chloride and alkali sulphate, Manufacture of. O. Bezanson. 2,248,740; July 8.
Ice cuber. D. G. Campbell. 2,248,296; July 8.
Ignition device, Electric. A. C. Wall. 2,248,594; July 8.
Ignition system, Electric. H. de B. Knight. 2,248,574; July 8.
Illuminated punch. J. Klopfenstein. 2,248,359; July 8.
Implement construction. O. W. Domries. 2,248,069; July 8.
Impulse repeater, Mechanical. K. Müller. 2,248,774; July 8.
Incubator. R. M. Petersime. 2,248,896; July 8.
Indenting machine. I. E. Booth. 2,248,058; July 8.
Index cards for homeopathic repertorial research, Collection of. O. S. de Araujo. 2,248,162; July 8.
Index digest. J. Friedman. 2,248,703; July 8.
Indicating device for lecher systems. H. Boersch. 2,248,604; July 8.
Indicator: *See*—
Bridge indicator. Hair stretching indicator.
Induction apparatus. Electromagnetic. G. Camilli. 2,248,606; July 8.
Inhalation device for use in aviation at high altitudes. J. A. Heidbrink. 2,248,349; July 8.
Injector. E. Y. Guthmann. 2,248,679; July 8.
Injector. I. P. Pedrick. 2,248,249; July 8.
Inking device for printing machines. A. Schlesinger. 2,248,645; July 8.
Insulator, Transposition. R. C. Dehmel. 2,248,044; July 8.
Interlocking mechanism. B. Dick. 2,248,747; July 8.
Interlocking system for railroads. N. B. Coley and M. C. Twitchell. 2,248,660; July 8.
Internal combustion engine. L. P. Anthony. 2,248,323; July 8.
Internal combustion engine. C. E. Burke. 2,248,334; July 8.
Iron and reducing agent therefor, Producing sponge. J. E. Batie. 2,248,735; July 8.
Irrigation valve. L. E. Pedersen. 2,248,381; July 8.
Jetty. G. W. Rehfeld. 2,248,721; July 8.
Jetty setting. G. W. Rehfeld. 2,248,722; July 8.
Jewel made from golden colored alloys. O. Loebich. 2,248,100; July 8.
Jewelry costume. A. Better. 2,248,802; July 8.
Key container. J. V. Rivers. 2,248,436; July 8.
Kiln, Operating a rotary. N. M. Anderson. 2,248,039; July 8.
Knitted fabric. W. L. Smith, Jr. 2,248,900; July 8.
Knitting machine. A. N. Cloutier. 2,248,902; July 8.
Knitting machine. A. L. Hutton, Jr., and E. St. Pierre. 2,248,875; July 8.
Knitting machine. M. C. Miller. 2,248,506; July 8.
Knitting machine. M. C. Miller. 2,248,507; July 8.
Knot tier. W. W. Ellenbecker. 2,248,698; July 8.
L-type engine to valve-in-the-head type, Converting. T. N. Smith. 2,248,516; July 8.
Ladder utility vehicle. H. J. Troche. 2,248,794; July 8.
Laminated wood-glass product. J. H. Fox, R. A. Miller, and W. O. Lytle. 2,248,702; July 8.
Lamp: *See*—
Electric arc lamp. Flashlight lamp.
Electric lamp.
Lamp base and socket, Tubular. J. Yoder. 2,248,598; July 8.
Lapping machine. H. S. Indge and W. H. Wood. 2,248,502; July 8.
Latex and composition produced, Thickening. H. B. Morris. 2,248,480; July 8.
Laundry pressing member. L. M. and F. J. Kahn. 2,248,710; July 8.
Leash, Dog. C. H. Norton. 2,248,114; July 8.
Leg rest. J. Ludersen. 2,248,369; July 8.
Leveling device. V. V. Vacquier and D. A. Salvetti. 2,248,209; July 8.
Lifting strip bag. H. D. Atwood. 2,248,843; July 8.
Lighter, Cigar. R. D. Conboy. 2,248,402; July 8.
Lighter, Cigar. A. A. Johnson. 2,248,407; July 8.
Lighter, Cigar. H. G. Lehmann. 2,248,409; July 8.
Line method, Interlaced. K. Schlesinger. 2,248,556; July 8.
Line space mechanism for record making machines. E. Wise. 2,248,152; July 8.
Liquid treating apparatus. D. D. Burch. 2,248,061; July 8.
Lithopone and producing same. J. P. Koller. 2,248,632; July 8.
Lock: *See*—
Combination lock. Cylinder lock.
Lock for loom shuttles. T. J. Howell. 2,248,872; July 8.
Lock strip for connecting sheet metal parts. R. I. Hutt. 2,248,874; July 8.
Locking device, Nut. W. Friedrich. 2,248,226; July 8.
Loom for weaving. A. Moessinger. 2,248,641; July 8.
Low-frequency correction of image amplifiers. K. Schlesinger. 2,248,550; July 8.
Lubricating device for aircraft engines, Additional. M. Duckstein. 2,248,568; July 8.
Lubricating device for machine tools. A. F. Bennett and G. F. Maglott. 2,248,485; July 8.
Lubricating device for sewing machines. W. Myers. 2,248,508; July 8.

Machine for heating metal bars and tubes. H. E. Nobiron. 2,248,280; July 8.
Machine and supporting arrangement therefor. E. H. Hull. 2,248,629; July 8.
Magnetic control vacuum tube. C. V. Litton. 2,248,712; July 8.
Manufacturing deoderizing attachments for vacuum cleaners. W. J. Clements. 2,248,610; July 8.
Manifolding device. W. C. Pfeiffer. 2,248,188; July 8.
Manifolding machine. F. R. Ford. 2,248,046; July 8.
Massaging device. H. Fleissner. 2,248,525; July 8.
Match book, Novelty advertising. J. J. Sheridan and D. P. Ross. 2,248,129; July 8.
Mattress handle, Flexible. M. Bechik. 2,248,328; July 8.
Measure pressure, Device for. A. W. Krause. 2,248,301; July 8.
Measuring device, Vacuum. W. Ferrant. 2,248,614; July 8.
Measuring instrument. P. Kollsman. 2,248,878; July 8.
Medicinal composition. C. F. Newcomb. 2,248,113; July 8.
Metal article having antifriction surface. E. R. Granger and R. E. Cleveland. 2,248,530; July 8.
Metal bodies, Casting. R. K. Hopkins. 2,248,628; July 8.
Metal covered door. J. F. Peelle and P. W. Van Etten. 2,248,777; July 8.
Metal-washing composition. P. G. Bird. 2,248,656; July 8.
Metallic particles, Reclaiming finely divided W. H. Moriarty. 2,248,180; July 8.
Metallized material or gold leaf, Feeding device for. J. L. Gore. 2,248,298; July 8.
Metals, Melting and casting. E. C. Lewis. 2,248,541; July 8.
Meter: *See*—
Frequency meter. Radio distance meter.
Modulation meter.
Meter. M. Klein and R. A. Tollefsen. 2,248,429; July 8.
Method and apparatus for administering oxygen. C. F. Lombard. 2,248,477; July 8.
Method and apparatus for analyzing water and other solutions. W. F. Langelier. 2,248,765; July 8.
Method and apparatus for assembling and shipping rods. C. D. Reed and R. L. Riley. 2,248,119; July 8.
Method and apparatus for drying and truing up ceramic pipe. J. M. W. Chamberlain and H. A. Burnip. 2,248,490; July 8.
Method of and apparatus for filling portable receptacles. F. K. Knudsen. 2,248,877; July 8.
Method and apparatus for forming staple fibre. N. S. Campbell. 2,248,806; July 8.
Method and apparatus for investigating subterranean strata. R. W. Lohman. 2,248,101; July 8.
Method and apparatus for preparing metal castings. J. D. Hanawalt. 2,248,868; July 8.
Method and means for preventing cross infection. J. A. Reynlers. 2,248,199; July 8.
Method of and apparatus for reducing oxide ore. H. Baetz. 2,248,483; July 8.
Method and apparatus for sealing envelopes. R. F. Strickland. 2,248,647; July 8.
Method and apparatus for valving inflammable fluids. I. L. Rice. 2,248,308; July 8.
Method and machine for folding sanitary napkins. C. A. Fourness and C. J. Greiner. 2,248,667; July 8.
Method and machine for folding sanitary napkins. O. T. Thompson. 2,248,649; July 8.
Method and machine for knitting. K. Howie. 2,248,501; July 8.
Method of and apparatus for forming beaded tubular elements. A. A. Pruckner. 2,248,720; July 8.
Micrometer, Magnetic. W. B. Ellwood. 2,248,569; July 8.
Milk bottle holder. H. E. Riley. 2,248,513; July 8.
Milling machine. O. Severson. 2,248,468; July 8.
Mineral oil composition. R. Bulkley, L. A. Hamilton, and V. A. Kalichevsky. 2,248,848; July 8.
Mineral oil, Cracking. A. E. Pew, Jr. 2,248,118; July 8.
Mirror, Rear vision. J. O. Thibault and G. F. Bahr. 2,248,833; July 8.
Mixer: *See*—
Gas mixer.
Mixing device for preparing mixtures such as mayonnaise and salad dressing. W. A. McLean. 2,248,886; July 8.
Mixing machine for bottled carbonated beverages. J. R. Adcock. 2,248,156; July 8.
Modulation meter. L. J. McKesson. 2,248,770; July 8.
Modulation system. R. Hofer. 2,248,083; July 8.
Modulation system. D. Pollack. 2,248,462; July 8.
Modulation system. K. Schlesinger. 2,248,553; July 8.
Monument. W. M. P. Hall. 2,248,866; July 8.
Mortarboard cap. H. I. Gelvin. 2,248,497; July 8.
Motor: *See*—
Synchronous electric motor.
Motor control. M. Fry. 2,248,072; July 8.
Motor fuel production. G. Armistead, Jr. 2,248,842; July 8.
Mounting: *See*—
Cushion mounting.
Mounting bracket. G. J. Moeller. 2,248,410; July 8.
Mounting means for sheets and the like. E. M. Phillips. 2,248,582; July 8.
Mounting strap for interchangeable wiring devices. M. N. Russell and V. R. Despard. 2,248,201; July 8.
Mouth beautifier. C. M. Gibert. 2,248,533; July 8.
Muffling and cooling device for internal combustion engines. E. H. Harris. 2,248,456; July 8.
Mute for trumpets or like instruments. G. B. Humes. 2,248,352; July 8.
Needle, Knitting. F. E. Crumb. 2,248,341; July 8.
Nitrogen trichloride, Producing. G. van der Lee. 2,248,650; July 8.
Nuts, Shelling. A. S. Leonard and H. B. Walker. 2,248,365; July 8.
Nuts, Shelling. A. B. Low. 2,248,367; July 8.
Oil burner. M. Strosk. 2,248,728; July 8.
Oil, Dewaxing hydrocarbon. W. P. Gee. 2,248,668; July 8.
Oil, Dewaxing hydrocarbon. H. H. Gross and W. Smisloff. 2,248,498; July 8.
Oil retaining plate. H. Bisher. 2,248,803; July 8.
Oil stock, Refining lubricating. W. E. Forney. 2,248,496; July 8.
Oil well pump. W. R. McKay. 2,248,302; July 8.
Oil well tool. P. H. Granger. 2,248,169; July 8.
Oil wells, Producing apparatus for. C. A. Rasmussen. 2,248,305; July 8.
Oil wells, Treatment of. S. P. Hart. 2,248,457; July 8.
Oils for coating compositions, Extracting drying. F. R. Quinby. 2,248,823; July 8.
Oils, Separating constituents of mineral. E. M. Dons and O. G. Mauro. 2,248,220; July 8.
Opener, Can. C. A. Eilers. 2,248,166; July 8.
Opener, Letter. M. E. Trollen. 2,248,140; July 8.
Optical system for reducing the viewing angle of certain devices such as photoelectric cells. R. A. E. Higonnet and R. M. Lucas. 2,248,758; July 8.
Ores, Concentration of. W. Coltof. 2,248,912; July 8.
Organic compounds, Acylation of. C. A. Neustein. 2,248,112; July 8.
Organic heat transfer agent, Nonflammable. R. H. Boundy and R. R. Dreisbach. 2,248,488; July 8.
Ornamental designs, Device and method of making. S. T. Daley. 2,248,613; July 8.
Ornamental device, Electric lighted. J. Petry. 2,248,117; July 8.
Ornamental finish and making the same. F. M. Small. 2,248,254; July 8.
Ornamental pin. M. Schulze. 2,248,391; July 8.
Oscillating system. L. A. Schuttig. 2,248,481; July 8.
Package. W. C. Abrams. 2,248,266; July 8.
Package. R. T. Adams, M. Raymer, and R. S. Poole. 2,248,038; July 8.
Packaging method and machine. J. H. Stroop. 2,248,471; July 8.
Packing means for label cutting and folding machines. A. Rosenthal, deceased. 2,248,122; July 8.
Paper containers, Making. G. Meyer-Jagenberg and A. C. Plötze. 2,248,534; July 8.
Paper-making apparatus. W. M. Leeson. 2,248,906; July 8.
Para-amino-para-hydroxy diphenyl sulphone and derivatives. G. W. Raiziss and L. R. W. Clemence. 2,248,283; July 8.
Parasiticide. W. P. ter Horst. 2,248,458; July 8.
Pasting apparatus. W. W. Prichard. 2,248,194; July 8.
Pattern effects on textile material, Production of. G. W. Seymour and V. S. Salvin. 2,248,128; July 8.
Peanut heater. G. Lee. 2,248,633; July 8.
Perforator, Portable duplex. H. A. Swanson. 2,248,136; July 8.
Petroleum emulsions, Breaking. M. de Groote and A. F. Wirtel. 2,248,342; July 8.
Phase inverter for push-pull amplifiers. W. D. Cannon. 2,248,852; July 8.
Phase modulation. M. G. Crosby. 2,248,745; July 8.
Phase shifting network. K. W. Jarvis. 2,248,239; July 8.
Phonographic announcer, Electromechanical. D. A. Herman. 2,248,081; July 8.
Photographic apparatus. J. K. Holbrook. 2,248,627; July 8.
Photographic developing apparatus. A. Miller and G. Schmidt. 2,248,179; July 8.
Photographic film tensioning mechanism. H. Small. 2,248,646; July 8.
Photographic fixing and hardening sirup, Concentrated. G. P. Ham and R. B. Barnes. 2,248,905; July 8.
Phytosterol, Recovery of. F. H. Gayer and C. E. Fawkes. 2,248,346; July 8.
Picker motion for looms. L. C. Muscatelli. 2,248,892; July 8.
Picture transmission system, Submarine cable. J. W. Milnor, W. D. Cannon, R. C. Taylor, and G. A. Randall. 2,248,887; July 8.
Pies, Producing. M. Thal. 2,248,289; July 8.
Pigments, Making cadmium red. G. M. Juredine. 2,248,408; July 8.
Pilot control. V. O. Beam. 2,248,737; July 8.
Pilot wire neutralization. E. L. Harder. 2,248,705; July 8.
Pin: *See*—
Ornamental pin.
Pinless display and clothesline. E. V. Effert. 2,248,818; July 8.

Pipe: *See*—
Smoker's pipe.
Pipe cleaning apparatus. C. H. M. Burnham. 2,248,742; July 8.
Pipes and like hollow bodies, Protection of. F. B. Cornelius and P. P. B. Cormac. 2,248,098; July 8.
Pistol, Automatic. G. A. Wilson. 2,248,445; July 8.
Piston. F. Jardine. 2,248,175; July 8.
Piston. H. P. Phillips. 2,248,779; July 8.
Piston machine, Rotary. R. Miksits. 2,248,639; July 8.
Planter. S. P. Johnson. 2,248,176; July 8.
Plastic composition. O. V. McGrew. 2,248,105; July 8.
Plug: *See*—
Electric plug. Well plug.
Plug assembly, Contact. W. P. Herman. 2,248,082; July 8.
Plug cutting implement. J. C. Borette. 2,248,694; July 8.
Pneumatic valve. L. C. Broecker. 2,248,489; July 8.
Polishing apparatus, Metal. F. J. Kampmeier and H. W. Jacobson. 2,248,503; July 8.
Polymer compositions, Plastic. H. W. Fisher. 2,248,071; July 8.
Polysterene, Depolymerization of. T. B. Philip, H. M. Stanley, and W. L. Wood. 2,248,512; July 8.
Powder dispenser. W. S. Finnell. 2,248,700; July 8.
Power transmission chain. H. S. Pierce. 2,248,189; July 8.
Power transmitting device. C. Budelier and W. J. Coultas. 2,248,332; July 8.
Pregnane and pregnene, Derivatives of. T. Reichstein. 2,248,284; July 8.
Press: *See*—
Die spotting and tryout press. Tire vulcanizing press.
Press machine. G. V. Rhodes and R. J. Gabler. 2,248,252; July 8.
Pressing apparatus. O. Oeckl. 2,248,186; July 8.
Pressure regulating valve. J. F. Jaworowski. 2,248,354; July 8.
Pressure regulator. L. W. Stettner. 2,248,592; July 8.
Pressure regulator, Constant. F. T. Harrington. 2,248,076; July 8.
Pressure regulator, Manifold. E. F. Pierce. 2,248,780; July 8.
Pressure relief valve. O. F. Carlson. 2,248,807; July 8.
Pretzel sticks, Cutting. J. H. Walborn. 2,248,291; July 8.
Printing machine, Statement. H. P. Elliott. 2,248,403; July 8.
Printing plate. A. L. Lengel. 2,248,275; July 8.
Printing plates, Positioning and holding. C. S. Crafts. 2,248,612; July 8.
Printing press and the like. L. Q. Presby. 2,248,897; July 8.
Printing telegraph apparatus. E. S. Larson. 2,248,097; July 8.
Process and apparatus for manufacturing paper containers. G. Meyer-Jagenberg and K. Küchler. 2,248,535; July 8.
Projection apparatus. S. S. Auchincloss and C. A. Woodruff. 2,248,052; July 8.
Projector, Microscope. J. B. Worthington and V. Bartley. 2,248,210; July 8.
Propeller blade. C. Dornier. 2,248,221; July 8.
Propellor blade mounting, Aeronautical. J. W. Smith. 2,248,590; July 8.
Propeller, Controllable pitch. E. O. Setterblade. 2,248,789; July 8.
Protective device. G. Camilli. 2,248,608; July 8.
Protective device. A. Cianl. 2,248,609; July 8.
Protective device. A. R. Hand. 2,248,623; July 8.
Protector: *See*—
Trouser and leg protector.
Pulsator for fluids. A. M. Gage. 2,248,073; July 8.
Pulverizer. I. T. Miller. 2,248,640; July 8.
Pump: *See*—
Centrifugal pump. Oil well pump.
Double casing pump. Rotary pump.
Hydraulic pump.
Pump or motor, Hydraulic. E. K. Benedek. 2,248,738; July 8.
Quaternary allsylol poly-ammonium compound and producing them. H. Ulrich and E. Ploetz. 2,248,729; July 8.
Radio receiving circuit. A. H. Blue. 2,248,521; July 8.
Radio direction and distance indicating system. H. T. Budenbom. 2,248,215; July 8.
Radio distance meter. E. F. W. Alexanderson. 2,248,599; July 8.
Radio transmitter for obtaining course lines. J. Goldmann and R. v. Ottenthal. 2,248,752; July 8.
Radio tuner, Automatic. W. H. Westby. 2,248,144; July 8.
Radio tuning system. V. D. Landon. 2,248,242; July 8.
Rail bond. J. B. Beam. 2,248,845; July 8.
Railway signal and/or points control system. J. B. Griffiths and A. Brown. 2,248,704; July 8.
Railway traffic controlling apparatus. H. A. Thompson. 2,248,397; July 8.
Receiver with control of selectivity through variation of the coupling. F. Kreienfeld. 2,248,763; July 8.
Receptacle: *See*—
Ash receptacle.
Receptacle and receptacle head. S. Batdorf. 2,248,844; July 8.
Rectifier and control means therefor. M. L. Haselton and H. F. May. 2,248,821; July 8.
Rectifier system. A. B. MacTaggart. 2,248,370; July 8.
Rectifier tube. J. W. Dorsey. 2,248,425; July 8.
Reel, chain, and key, Combination. J. Castleman. 2,248,338; July 8.
Reflector unit. C. H. Mahoney and W. S. Brian. 2,248,543; July 8.
Refrigerated display case. E. E. Sanders. 2,248,286; July 8.
Refrigerating apparatus. C. F. Henney. 2,248,756; July 8.
Refrigerating apparatus, Making. R. Bernt. 2,248,801; July 8.
Refrigerating system. L. S. Cooper. 2,248,607; July 8.
Refrigeration. J. D'Arcey. 2,248,813; July 8.
Refrigeration. W. A. Kuenzli. 2,248,178; July 8.
Refrigeration apparatus. L. F. Whitney. 2,248,260; July 8.
Regenerative furnace. S. Kneass, Jr. 2,248,573; July 8.
Registering mechanism, Sheet. L. H. Cross. 2,248,567; July 8.
Regulating the amplitude of electric waves. V. J. Terry. 2,248,793; July 8.
Regulator: *See*—
Clock regulator. Window regulator.
Pressure regulator.
Regulator. O. L. Dupy. 2,248,495; July 8.
Register actuating device. L. A. Thatcher. 2,248,257; July 8.
Relay, Multicontact. J. N. Reynolds. 2,248,584; July 8.
Repair and testing device for ply materials. W. A. Monaghan. 2,248,888; July 8.
Repeater compass for submarine boats. B. von Andreatta and W. Krauskopf. 2,248,562; July 8.
Reproducing machine. E. J. Cook. 2,248,809; July 8.
Resilient mounting device. H. K. Harwick. 2,248,869; July 8.
Resistance unit. L. S. Burgett. 2,248,741; July 8.
Retracting blade switch, Link motion. T. F. Johnson. 2,248,876; July 8.
Rim. E. R. Jacobi. 2,248,708; July 8.
Ring: *See*—
Slinger ring.
Ring and traveler therefor, Spinning. H. E. Herr. 2,248,914; July 8.
Rivet. C. E. Hathorn. 2,248,755; July 8.
Riveting machine. H. Thomason. 2,248,139; July 8.
Road guard assembly. A. E. Brickman and G. A. Gleason. 2,248,422; July 8.
Rock bit. A. C. Catland. 2,248,340; July 8.
Rock drill. W. A. Morrison and A. D. Bennett. 2,248,546; July 8.
Rock drill rotation mechanism. L. L. Richardson. 2,248,824; July 8.
Rod: *See*—
Welding rod.
Roller cutter. A. C. Catland. 2,248,339; July 8.
Roller vibrator. A. W. Mall. 2,248,478; July 8.
Roof structure, Removable. J. M. Hilbish and J. K. McCahan. 2,248,500; July 8.
Rotary pump. O. L. Erickson. 2,248,452; July 8.
Rotors, Making. G. W. Elsey. 2,248,167; July 8.
Rubber articles, Making. W. C. Ross and E. E. Anderson. 2,248,898; July 8.
Salt bath furnace. J. D. Griffin. 2,248,474; July 8.
Salts, Stabilizing organic heavy metal. M. Bogdan. 2,248,658; July 8.
Sand trap and filter for oil wells. S. J. Thomas. 2,248,834; July 8.
Sander, Track. G. C. Christy. 2,248,217; July 8.
Sanding block. J. F. McAdams. 2,248,884; July 8.
Sanitary device for cleansing the hands and arms. L. H. O. Stobbe. 2,248,205; July 8.
Sash balance, Overhead spring. R. R. Moss and G. B. Knapp. 2,248,246; July 8.
Scanning disk for television transmission. K. Schlesinger. 2,248,559; July 8.
Scoreboard for games. E. J. Cross. 2,248,161; July 8.
Screeding and floating machine for cement floors. H. H. Nichols. 2,248,247; July 8.
Screen: *See*—
Vibrating screen. X-ray screen.
Screen with mechanical scanning means. Production of an interlaced line. K. Schlesinger. 2,248,554; July 8.
Screw driver. J. Becker. 2,248,054; July 8.
Screw head. G. Bradshaw. 2,248,695; July 8.
Screw-thread chasing mechanism for lathes and like machine tools. H. Adcock. 2,248,692; July 8.
Seal. N. S. Reynolds. 2,248,385; July 8.
Seal, Oil. T. O. Kosatka. 2,248,761; July 8.
Sealing means for the edges of swinging doors. W. Owen. 2,248,719; July 8.
Seam, Fabric. F. Lutz. 2,248,907; July 8.
Seat construction. A. E. Rathbun. 2,248,413; July 8.
Seat cushion. W. Effenberger. 2,248,917; July 8.
Seat structure for automobiles, Spring. J. Kronheim and W. H. Neely. 2,248,093; July 8.
Self-closing container. M. Landesman. 2,248,766; July 8.
Sending unit for electric speedometers. A. W. Le Fevre. 2,248,711; July 8.

Separator: *See*—
Sludge separator.
Shaper for tabulating machine cards. A. E. Terry. 2,248,396; July 8.
Shears. T. S. Vosbikian and P. S. Vosbik. 2,248,796; July 8.
Sheathing, Wooden. N. Rippen. 2,248,690; July 8.
Sheet feeding mechanism. C. W. Harrold and H. A. Pritchard. 2,248,079; July 8.
Sheet material with prismatic surfaces. T. R. Merton. 2,248,638; July 8.
Shelf for ranges, Warming. A. Stockstrom and A. H. Brodbeck. 2,248,443; July 8.
Shelf, holder, and the like. V. M. Opper. 2,248,916; July 8.
Shingle, Metallic roofing. E. Bussey. 2,248,336; July 8.
Shoulder rest for violin. D. F. Colleen and F. H. Ingersoll. 2,248,854; July 8.
Shovel, Excavating. W. Baker. 2,248,326; July 8.
Shutter mechanism and thermostatic control therefor. W. A. Kysor. 2,248,094; July 8.
Shuttle ejector. C. D. Brown. 2,248,847; July 8.
Side-band modulation, Single. E. Peterson. 2,248,250; July 8.
Signal actuator, Electro-magnetic. J. Lande. 2,248,095; July 8.
Signal and system, Tire. R. and H. E. Addy. 2,248,047; July 8.
Signal for automobiles, Directional. W. H. Kirby. 2,248,760; July 8.
Signal system, Electric mine shaft. R. L. Rutherford. 2,248,825; July 8.
Signal transmitting means. M. L. Haselton. 2,248,819; July 8.
Signals, Transmitting time. O. H. Dicke. 2,248,164; July 8.
Signaling apparatus, Piezoelectric. P. Langevin. 2,248,870; July 8.
Signaling system. W. F. Quinby. 2,248,822; July 8.
Signaling system. H. M. Strobel. 2,248,727; July 8.
Signaling system, Electrical. P. N. Roseby. 2,248,784; July 8.
Silica from argillaceous alumino-silicates, Removing. E. Zintyl, W. Brauning, and W. Krings. 2,248,472; July 8.
Single-trigger device. F. T. Fahlen. 2,248,858; July 8.
Siphon for pressure gauges, Internal. B. McClelland. 2,248,686; July 8.
Sipper. F. C. Hamilton. 2,248,231; July 8.
Slinger ring. H. K. Freeman. 2,248,405; July 8.
Sludge separator. E. F. Fisher. 2,248,665; July 8.
Smoker's pipe. J. T. White. 2,248,259; July 8.
Socket, Electric lamp. F. J. Watts. 2,248,399; July 8.
Soldering iron temperature control stand. H. W. Birk. 2,248,486; July 8.
Solvent extraction of mineral oil. D. R. Merrill and P. Subkow. 2,248,373; July 8.
Sound recording device. A. Stapelfeldt. 2,248,790; July 8.
Spark plug electrode seal. K. Schwartzwalder and A. S. Rulka. 2,248,415; July 8.
Sound generator, High frequency. S. Klesskalt. 2,248,459; July 8.
Speed change axle. R. S. Taylor. 2,248,138; July 8.
Speed-change gearing, Friction. K. Bär. 2,248,268; July 8.
Speed-change mechanism. A. W. Redin. 2,248,384; July 8.
Speed controller, Vehicle. C. A. Vatter. 2,248,314; July 8.
Speed ratios and potential ratios, Indicating. T. A. Kenny. 2,248,504; July 8.
Speedometer. E. F. Bacon. 2,248,325; July 8.
Splicing device, Belt. E. Nassimbene. 2,248,111; July 8.
Spool holder. G. P. Shearer. 2,248,482; July 8.
Spring device. J. K. Wood. 2,248,447; July 8.
Spring lever clutch. W. F. Krenzke. 2,248,764; July 8.
Springs having particularly great preliminary tension, Process and apparatus for making helic tension. O. Schmid. 2,248,440; July 8.
Stack, and individual waste and group venting assembly, Multiple combined. W. C. Groenlger. 2,248,075; July 8.
Stand: *See*—
Soldering iron temperature control stand.
Stand for electric fans. R. W. Devore and B. H. Young. 2,248,068; July 8.
Starting device. S. Yaskin. 2,248,652; July 8.
Steel, Hardening of. C. Albrecht and K. Bonath. 2,248,732; July 8.
Stick handling carrier, Portable. N. M. Thomas and H. Siemund. 2,248,648; July 8.
Sticker packet. P. Van Cleef. 2,248,317; July 8.
Sticker packets, Making. P. Van Cleef. 2,248,318; July 8.
Stitching and piqué machine, Blind. K. Scheibel. 2,248,439; July 8.
Stock ticker. I. D. Hyskell. 2,248,173; July 8.
Stop motion for knitting machines. M. Wachsman. 2,248,315; July 8.
Strip for roofing. W. B. Robinson. 2,248,723; July 8.
Stuffing apparatus. A. C. Van Hooydonk. 2,248,835; July 8.
Strut, Shock absorbing. A. W. Griepenstroh. 2,248,865; July 8.
Strut, Shock absorbing. J. F. Wallace. 2,248,836; July 8.
Submarine apparatus. C. S. Lawton. 2,248,243; July 8.
Sucker rod guide. T. S. Park. 2,248,894; July 8.
Sulphur solvents, Regeneration of. C. G. Morrison and W. H. Rupp. 2,248,109; July 8.
Superphosphate of low fluorine content, Producing granular. M. Shoeld. 2,248,515; July 8.
Superphosphate with low fluorine content, Granular. M. Shoeld. 2,248,514; July 8.
Support: *See*—
Awning center support. Collar support.
Support device. J. K. Wood. 2,248,730; July 8.
Switch: *See*—
Electric switch. Thermostatic switch.
Retracting blade switch.
Switch and plate, Vacuum electric. J. A. Brewer. 2,248,846; July 8.
Synchronization of disk scanning means. K. Schlesinger. 2,248,551; July 8.
Synchronizing mechanism. H. C. Snow. 2,248,134; July 8.
Synchronous electric motor. J. A. Reinhardt. 2,248,285; July 8.
Syringe device. A. E. Smith. 2,248,469; July 8.
Tab guide, Angular. C. E. Jones. 2,248,355; July 8.
Table: *See*—
Drafting table. Folding table.
Tag. M. C. Wilder. 2,248,145; July 8.
Taping machine. H. L. Cohen. 2,248,744; July 8.
Tappet operating arrangement for internal combustion engines. H. Gordon and S. H. Attwood. 2,248,528; July 8.
Telegraphy, Automatic. I. W. Conrad. 2,248,522; July 8.
Telemetering system. H. T. Faus. 2,248,616; July 8.
Telephone booth. F. S. Corso. 2,248,810; July 8.
Telephone, Interoffice. H. R. Shaw. 2,248,589; July 8.
Telephone system. W. M. Beaumont. 2,248,040; July 8.
Telephone system. A. J. Busch. 2,248,566; July 8.
Telephone system. C. E. Lomax. 2,248,575; July 8.
Telephone system. T. N. Santy. 2,248,899; July 8.
Telephone system. S. B. Williams. 2,248,146; July 8.
Telephone system. W. P. Albert. 2,248,212; July 8.
Television amplifier system. K. Schlesinger. 2,248,560; July 8.
Television receiver. P. Deserno. 2,248,815; July 8.
Television receiver. M. Messner and P. Deserno. 2,248,771; July 8.
Television system. M. Messner. 2,248,772; July 8.
Television transmitter. K. Schlesinger. 2,248,548–9; July 8.
Television transmitters, Insuring the synchronization in. K. Schlesinger. 2,248,555; July 8.
Television tube. K. Schlesinger. 2,248,558; July 8.
Testing circuit. L. G. Lane. 2,248,096; July 8.
Textile fabrics, Coloring. N. S. Cassel. 2,248,696; July 8.
Thermostat. G. C. Harris. 2,248,531; July 8.
Thermostatic control means. C. R. Mueller. 2,248,304; July 8.
Thermostatic switch. W. H. Fischer. 2,248,666; July 8.
Thickener for decorating textiles of organic derivatives of cellulose. J. Allan and J. A. Wainwright. 2,248,048; July 8.
Thread case for sewing machines, Locking. O. R. Haas. 2,248,347; July 8.
Threads or the like, Machine for twisting together. J. S. Walters. 2,248,838; July 8.
Tire. B. H. Benson and B. E. Mendelsohn. 2,248,739; July 8.
Tire cord. W. E. Vecsey. 2,248,901; July 8.
Tire lug chain. L. J. Bland. 2,248,420; July 8.
Tire vulcanizing press. J. W. Brundage. 2,248,060; July 8.
Tobacco feed regulating device. F. H. B. Stelzer and H. R. Kasper. 2,248,725; July 8.
Tool: *See*—
Fence tool. Well tool.
Oil well tool.
Tool for dressing grinding wheels. S. J. Harley and J. E. Wainwright. 2,248,427; July 8.
Tooth gear and pinion wheels, Curved. F. H. Boor. 2,248,158; July 8.
Towel cabinet. J. Rousso. 2,248,388; July 8.
Towel dispensing apparatus. L. L. Price and M. E. Maltby. 2,248,193; July 8.
Toy. E. M. Bleecker. 2,248,214; July 8.
Toy gun. S. W. Coker. 2,248,424; July 8.
Toy material handling and display device. R. D. Beerbower. 2,248,041; July 8.
Toy. Sound producing track and wheeled. B. S. Franklin. 2,248,473; July 8.
Toy vacuum sweeper. T. A. Schaad. 2,248,390; July 8.
Traffic controlling apparatus, Railway. E. M. Allen. 2,248,321; July 8.
Traffic controlling system for railroads. W. K. Howe. 2,248,673; July 8.
Trailer. A. H. Hathaway. 2,248,080; July 8.
Translating mechanism, Code. L. M. Potts. 2,248,583; July 8.
Transmission. H. C. Snow. 2,248,133; July 8.
Transmission gearing, Vehicle. F. W. Cotterman. 2,248,402; July 8.
Transmission modifying network. S. Frankel. 2,248,751; July 8.
Transmission system, Fluid power. R. E. Manley. 2,248,769; July 8.
Transmission system, Signal wave. K. H. Davis. 2,248,746; July 8.

Trap: *See*—
Automatic gun trap.
Traverse mechanism for textile machines. H. W. Taylor. 2,248,832; July 8.
Tray, Ice. R. L. Hallock. 2,248,680; July 8.
Tray, Removable oven splatter. C. Ratz. 2,248,198; July 8.
Trouser and leg protector. A. Freimark. 2,248,454; July 8.
Truck, Factory. W. E. Thorne. 2,248,398; July 8.
Truck mounting for pneumatic tired railway cars. P. M. Bourdon. 2,248,059; July 8.
Trunking system. E. Wochinger. 2,248,799; July 8.
Truss, Roof. A. V. Pedersen. 2,248,380; July 8.
Tube: *See*—
Electron tube. Rectifier tube.
Magnetic control vacuum tube. Television tube.
Tuned circuit. P. Gantet. 2,248,227; July 8.
Tuning arrangement for electric oscillations. W. Puhlmann and E. Gossel. 2,248,782; July 8.
Tuning device for radio receivers or the like. L. B. Glaser, D. Hill, J. M. Bowman, and J. A. Briggs. 2,248,678; July 8.
Tuning system for radio sets, Automatic. C. F. Peters. 2,248,116; July 8.
Turbo-blower means for horizontal internal combustion engines, Exhaust gas. B. Büchi. 2,248,423; July 8.
2,4,6-tri-tertiary-amyl phenol. D. R. Stevens and W. A. Gruse. 2,248,829; July 8.
2,4,6-tri-tertiary-butyl phenol. D. R. Stevens and W. A. Gruse. 2,248,828; July 8.
Type bar mechanism for typewriters. A. Tombolini. 2,248,691; July 8.
Type composing machine. F. H. Poeppelmeier. 2,248,781; July 8.
Typewriter and computing machine, Combined. H. L. Pitman. 2,248,190; July 8.
Typewriting and computing machine, Combined. W. T. Sagner. 2,248,202; July 8.
Typewriting machine. J. N. Hoffman. 2,248,570; July 8.
Typewriting machine. E. L. Wise. 2,248,571; July 8.
Upholstery springing. M. Heller. 2,248,913; July 8.
Vacuum cleaner apparatus. O. A. Ross and F. W. Shackleford. 2,248,585; July 8.
Valve: *See*—
Float valve. Pressure regulating valve.
Irrigation valve. Pressure relief valve.
Pneumatic valve.
Valve control circuit, Electric. C. C. Herskind. 2,248,625; July 8.
Valve for air brakes and the like. C. A. Campbell. 2,248,850; July 8.
Valve for pneumatic tires. R. F. Matthews. 2,248,371; July 8.
Valve mechanism. H. D. Lathrop. 2,248,767; July 8.
Valve stem assembly, Tire. E. Eger and R. F. Ternes. 2,248,451; July 8.
Valve stem cap. E. Eger and R. F. Ternes. 2,248,450; July 8.
Valve stems and tappets, Grinding. G. C. Wilhide. 2,248,262; July 8.
Variable ratio gear. A. H. King. 2,248,240; July 8.
Variation response circuit, Frequency. K. Rath. 2,248,197; July 8.
Vehicle: *See*—
Ladder utility vehicle.
Vehicle drive. W. H. Stevens. 2,248,313; July 8.
Vehicle wheel. H. J. Horn. 2,248,707; July 8.
Venetian blind. E. B. Nottingham. 2,248,775; July 8.
Ventilating attachment for vehicles. A. D. Bell. 2,248,329; July 8.
Ventilator, Window. F. Lemmer. 2,248,540; July 8.
Vibrating screen. L. E. Chamberlain. 2,248,042; July 8.
Vibrator, Road. A. W. Mall. 2,248,103; July 8.
Vibratory motion producing apparatus. E. W. Mateer. 2,248,182; July 8.
Visor. O. Blodjer. 2,248,331; July 8.
Vitamin B_6, Preparing. S. A. Harris. 2,248,078; July 8.
Vitrified products, Making veneered. D. E. Lower. 2,248,432; July 8.
Voltage divider. W. Müller. 2,248,889; July 8.
Voltage limiter. D. H. Bacon. 2,248,267; July 8.
Vulcanizer, Belt splice. J. C. Heintz. 2,248,499; July 8.
Wall construction. E. M. Hall. 2,248,348; July 8.
Wall construction. R. L. Hohl. 2,248,671; July 8.
Wallboard and the like, Surfaced. C. C. Heritage. 2,248,233; July 8.
Wash-down and cementing attachment for well casings. D. Scaramucci. 2,248,125; July 8.
Washing machine attachment. J. S. Shipley. 2,248,203; July 8.
Washing machinery, Automatic container. R. J. Wynne. 2,248,597; July 8.
Water closet lift arm assembly. J. V. Schafer. 2,248,126; July 8.
Water feed device. O. J. Kuenhold, Sr. 2,248,363; July 8.
Wave filter. H. G. Och. 2,248,776; July 8.
Wearing apparel, Article of. E. Friedman. 2,248,861; July 8.
Weaving looms, Circular. H. Pelcé. 2,248,281; July 8.
Weaving looms, Device for guiding the shutter in circular. H. Pelcé. 2,248,282; July 8.
Web treating apparatus. J. E. Burbank. 2,248,333; July 8.
Weed cutting implement. W. E. Bouton. 2,248,421; July 8.
Welding rod. L. G. Marini, Jr. and D. F. Helm. 2,248,104; July 8.
Welding rod. A. Nepoti. 2,248,279; July 8.
Welding transformer. H. J. Fanger. 2,248,070; July 8.
Well apparatus. E. L. Crawford. 2,248,160; July 8.
Well casing attachment. D. Scaramucci. 2,248,124; July 8.
Well plug, Self-expanding. J. G. Phillips. 2,248,908; July 8.
Well tool. B. Young. 2,248,211; July 8.
Wheel: *See*—
Vehicle wheel. Windmill wheel.
Wheel balancing weight. W. F. Wright. 2,248,265; July 8.
Wheel for airplane undercarriages or other heavy vehicles. R. L. Levy. 2,248,684; July 8.
Winding device. R. O. Wilson. 2,248,149; July 8.
Windmill wheel, Governed. D. Daniels. 2,248,218; July 8.
Window construction, Out-swinging. H. O. Carroll. 2,248,337; July 8.
Window regulator. L. R. Rhein. 2,248,121; July 8.
Window regulator, Hydraulic. J. B. Parsons. 2,248,379; July 8.
Window sash construction. E. F. Chaffee. 2,248,297; July 8.
Windrowing gate. J. D. Mitchell. 2,248,374; July 8.
Windshield wiper. J. W. Anderson. 2,248,565; July 8.
Wing, Beam. R. J. Woods. 2,248,520; July 8.
Wire coating device. E. J. Flynn. 2,248,663; July 8.
Wrapping articles. G. Nakahiro. 2,248,687; July 8.
X-Ray screen. R. P. Johnson and F. B. Quinlan. 2,248,630; July 8.

CLASSIFICATION OF PATENTS

ISSUED JULY 8, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2— 3: 2,248,366
10: 2,248,331
14: 2,248,864
42: 2,248,204
2,248,300
94: 2,248,455
96: 2,248,288
169: 2,248,200
175: 2,248,497
232: 2,248,454
237: 2,248,861
239: 2,248,303
4— 67: 2,248,126
211: 2,248,075
5— 334: 2,248,768
8— 21: 2,248,091
63: 2,248,048
64: 2,248,128
9— 1: 2,248,307
10— 155: 2,248,183
12— 32: 2,248,058
47: 2,248,855
13— 23: 2,248,474
15— 16: 2,248,585
21: 2,248,205
50: 2,248,699
61: 2,248,597
104.06: 2,248,742
180: 2,248,232
250.3: 2,248,565
16— 125: 2,248,328
131: 2,248,372
148: 2,248,493
17— 39: 2,248,835
18— 8: 2,248,862
17: 2,248,499
38: 2,248,060
55: 2,248,580
2,248,811
56: 2,248,898
19— 1: 2,248,806
109: 2,248,863
20— 11: 2,248,246
35: 2,248,777
68: 2,248,719
91: 2,248,702
21— 74: 2,248,713
22— 69: 2,248,541
149: 2,248,461
309: 2,248,868
212: 2,248,693
216: 2,248,628
23— 50: 2,248,740
142: 2,248,472
143: 2,248,826
206: 2,248,509
230: 2,248,765
270.5: 2,248,620
283: 2,248,109
24— 3: 2,248,338
104: 2,248,391
213: 2,248,221
248: 2,248,299
25— 1: 2,248,839
29— 84: 2,248,405
103: 2,248,168
148.2: 2,248,417
155: 2,248,278
155.53: 2,248,167
188: 2,248,621
30— 129: 2,248,685
252: 2,248,796
342: 2,248,140
32— 63: 2,248,532
33— 147: 2,248,569
222: 2,248,748
226: 2,248,562
34— 21: 2,248,253
2,248,490
88: 2,248,633
95: 2,248,389
157: 2,248,405
35— 17: 2,248,162
37— 110: 2,248,709
38— 21: 2,248,710
36: 2,248,252
40— 16: 2,248,355
20: 2,248,145
113: 2,248,591
137: 2,248,129
41— 1: 2,248,572
7: 2,248,419
21: 2,248,254
33: 2,248,213
42— 3: 2,248,445
42: 2,248,858
43— 32: 2,248,130
52: 2,248,258
84: 2,248,157
45— 131: 2,248,276
46— 14: 2,248,390
40: 2,248,041
76: 2,248,883
47— 58: 2,248,400
49— 2: 2,248,647
58: 2,248,430
81: 2,248,644
83.1: 2,248,717
89: 2,248,714
50— 21: 2,248,592
51— 67: 2,248,353
2,248,502
97: 2,248,172
100: 2,248,263
101: 2,248,143
124: 2,248,262
139: 2,248,191
2,248,192
165: 2,248,446
168: 2,248,382
187: 2,248,884
195: 2,248,064
203: 2,248,503
208: 2,248,553
53— 4: 2,248,812
5: 2,248,198
7: 2,248,216
2,248,659
54— 1: 2,248,697
56— 25: 2,248,332
130: 2,248,066
57— 19: 2,248,838
120: 2,248,914
162: 2,248,123
58— 24: 2,248,164
2,248,165
2,248,237
26: 2,248,411
111: 2,248,631
125: 2,248,195
59— 80: 2,248,802
60— 13: 2,248,423
14: 2,248,484
44: 2,248,639
54: 2,248,769
54.6: 2,248,426
61— 3: 2,248,721
2,248,722
72: 2,248,243
62— 6: 2,248,756
7: 2,248,637
8: 2,248,607
89.5: 2,248,286
108.5: 2,248,680
119.5: 2,248,178
126: 2,248,467
63— 2: 2,248,100
64— 15: 2,248,428
65— 31: 2,248,879
66— 82: 2,248,501
2,248,506
2,248,507
117: 2,248,341
132: 2,248,880
135: 2,248,875
140: 2,248,902
163: 2,248,315
172: 2,248,900
2,248,792
67— 31: 2,248,670
68— 4: 2,248,203
70— 101: 2,248,310
364: 2,248,475
456: 2,248,436
71— 44: 2,248,515
48: 2,248,514
72— 7.2: 2,248,866
30: 2,248,348
42: 2,248,671
66: 2,248,517
73— 51: 2,248,653
109: 2,248,686
309: 2,248,322
74— 2: 2,248,609
5: 2,248,141
9: 2,248,652
40: 2,248,334
61: 2,248,182
64: 2,248,444
191: 2,248,268
193: 2,248,384
228: 2,248,256
250: 2,248,189
259: 2,248,133
260: 2,248,492
294: 2,248,240
314: 2,248,138
410: 2,248,219
2,248,792
412: 2,248,706
466: 2,248,158
485: 2,248,364
604: 2,248,791
75— 5: 2,248,180
33: 2,248,735
91: 2,248,483
76— 4: 2,248,464
77— 22: 2,248,441
79— 12: 2,248,360
81— 3.1: 2,248,166
15.6: 2,248,888
82— 5: 2,248,692
83— 6: 2,248,903
9: 2,248,526
11: 2,248,640
93: 2,248,108
84— 280: 2,248,854
319: 2,248,542
400: 2,248,352
85— 5: 2,248,882
40: 2,248,755
45: 2,248,695
88— 14: 2,248,148
23: 2,248,758
24: 2,248,052
2,248,210
2,248,627
2,248,646
48: 2,248,816
82: 2,248,543
90— 11: 2,248,468
13.5: 2,248,809
91— 18: 2,248,255
47: 2,248,194
53: 2,248,663
66: 2,248,277
68: 2,248,098
2,248,233
70: 2,248,696
92— 43: 2,248,906
93— 2: 2,248,290
2,248,687
3: 2,248,471
2,248,724
8: 2,248,895
36: 2,248,535
56: 2,248,744
60: 2,248,534
94— 17: 2,248,412
45: 2,248,247
48: 2,248,103
50: 2,248,478
95— 75: 2,248,904
88: 2,248,905
90.5: 2,248,179
94: 2,248,056
2,248,333
97— 47: 2,248,505
68: 2,248,421
220: 2,248,069
98— 2: 2,248,329
99— 50.5: 2,248,153
83: 2,248,292
89: 2,248,448
92: 2,248,289
199: 2,248,634
100— 25: 2,248,519
101— 8: 2,248,208
20: 2,248,136
58: 2,248,403
127: 2,248,404
132.5: 2,248,046
180: 2,248,897
350: 2,248,645
369: 2,248,726
378: 2,248,612
395: 2,248,275
102— 5: 2,248,587
103— 38: 2,248,076
108: 2,248,312
113: 2,248,174
161: 2,248,452
2,248,738
173: 2,248,449
239: 2,248,302
265: 2,248,679
270: 2,248,249
105— 139: 2,248,869
157: 2,248,059
367: 2,248,119
377: 2,248,500
106— 48: 2,248,432
122: 2,248,105
287: 2,248,636
295: 2,248,632
301: 2,248,408
107— 1: 2,248,643
2,248,651
4: 2,248,688
54: 2,248,291
108— 8: 2,248,723
17: 2,248,336
23: 2,248,380
110— 45: 2,248,206
111— 92: 2,248,176
112— 38: 2,248,347
176: 2,248,439
256: 2,248,508
269: 2,248,907
113— 38: 2,248,186
112: 2,248,801
119: 2,248,675
120: 2,248,610
114— 84: 2,248,690
115— 16: 2,248,881
116— 129: 2,248,325
131: 2,248,856
135: 2,248,161
137: 2,248,459
142: 2,248,073
145: 2,248,287
119— 105: 2,248,287
109: 2,248,114
120— 29: 2,248,416
121— 7: 2,248,824
18: 2,248,546
43: 2,248,314
194: 2,248,681
122— 235: 2,248,890
2,248,891
123— 27: 2,248,544
59: 2,248,516
78: 2,248,323
90: 2,248,528
103: 2,248,245
2,248,780
119: 2,248,090
140: 2,248,453
2,248,529
148: 2,248,574
169: 2,248,415
173: 2,248,664
196: 2,248,568
124— 19: 2,248,424
125— 11: 2,248,427
2,248,463
33: 2,248,523
126— 110: 2,248,524
332: 2,248,443
128— 1: 2,248,199
60: 2,248,525
202: 2,248,349
2,248,477
214: 2,248,127
218: 2,248,469
129— 13: 2,248,345
16.1: 2,248,536
131— 21: 2,248,725
186: 2,248,418
198: 2,248,259
236: 2,248,873
132— 33: 2,248,683
36: 2,248,527
78.5: 2,248,533
83: 2,248,689
135— 5: 2,248,655
136— 178: 2,248,264
137— 21: 2,248,767
53: 2,248,807
78: 2,248,363
104: 2,248,433
139: 2,248,798
153: 2,248,354
138— 89.3: 2,248,450
139— 13: 2,248,281
2,248,282
146: 2,248,847
186: 2,248,872
188: 2,248,641
225: 2,248,892
140— 113: 2,248,147
123.5: 2,248,788
143— 38: 2,248,296
43: 2,248,694
145— 52: 2,248,054
146— 8: 2,248,327
2,248,368
219: 2,248,365
2,248,367
148— 15: 2,248,732
21.1: 2,248,185
151— 14: 2,248,226
152— 220: 2,248,420
341: 2,248,739
359: 2,248,901
152— 411: 2,248,708
427: 2,248,451
153— 2: 2,248,720
54: 2,248,088
64: 2,248,149
65: 2,248,440
154— 1: 2,248,743
2: 2,248,135
2,248,318
29: 2,248,649
2,248,667
46: 2,248,617
155— 49: 2,248,603
169: 2,248,369
179: 2,248,093
2,248,413
2,248,913
2,248,917
184: 2,248,120
198: 2,248,487
156— 10: 2,248,638
17: 2,248,775
44: 2,248,414
158— 27.4: 2,248,731
36: 2,248,395
115: 2,248,737
13: 2,248,111
18: 2,248,786
47: 2,248,642
76: 2,248,115
125: 2,248,613
166— 1: 2,248,169
2: 2,248,305
5: 2,248,834
9: 2,248,124
2,248,125
12: 2,248,211
13: 2,248,908
18: 2,248,160
167— 24: 2,248,458
45: 2,248,159
58: 2,248,113
81: 2,248,619
169— 14: 2,248,270
170— 68: 2,248,218
135.6: 2,248,789
159: 2,248,221
162: 2,248,590
171— 95: 2,248,504
97: 2,248,271
2,248,511
2,248,705
119: 2,248,070
209: 2,248,594
172— 126: 2,248,110
152: 2,248,393
179: 2,248,577
239: 2,248,616
278: 2,248,285
293: 2,248,072
173— 244: 2,248,840
283: 2,248,845
324: 2,248,394
2,248,718
2,248,759
328: 2,248,598
339: 2,248,399
343: 2,248,605
361: 2,248,082
174— 21: 2,248,588
33: 2,248,044
41: 2,248,330
52: 2,248,817
53: 2,248,201
175— 21: 2,248,272
182: 2,248,101
294: 2,248,608
337: 2,248,095
356: 2,248,606

175—	363:	2,248,370	179—	171.5:	2,248,132	201—	63:	2,248,614	230—	101:	2,248,230
		2,248,603			2,248,462			2,248,741			2,248,260
		2,248,624			2,248,553	202—	102:	2,248,677	234—	66:	2,248,429
		2,248,625			2,248,745		169:	2,248,662	235—	60:	2,248,202
		2,248,626			2,248,770		248:	2,248,187		79:	2,248,257
		2,248,661		175.2:	2,248,545	204—	35:	2,248,062		145:	2,248,190
		2,248,821		175.3:	2,248,096			2,248,063	236—	35:	2,248,094
	368:	2,248,586		182:	2,248,837		45:	2,248,092		80:	2,248,306
176—	8:	2,248,084	180—	1:	2,248,379		101:	2,248,650	237—	12.1:	2,248,896
	10:	2,248,085		79.1:	2,248,251		125:	2,248,137	238—	14:	2,248,537
	51:	2,248,050	181—	43:	2,248,456	206—	41:	2,248,578	240—	6.46:	2,248,359
177—	7:	2,248,669	183—	4:	2,248,225			2,248,579		7.55:	2,248,460
	311:	2,248,043		86:	2,248,181		44:	2,248,547		10:	2,248,117
		2,248,351	184—	6:	2,248,485		56:	2,248,843		81:	2,248,392
		2,248,604	188—	3:	2,248,435		57:	2,248,317	242—	46.6:	2,248,716
	336:	2,248,825		33:	2,248,383		65:	2,248,736		55.2:	2,248,482
	339:	2,248,760		78:	2,248,171	209—	166:	2,248,912		70:	2,248,309
	352:	2,248,784		91:	2,248,375		326:	2,248,042		158:	2,248,832
	353:	2,248,819		264:	2,248,684	210—	24:	2,248,055	244—	53:	2,248,150
		2,248,820	189—	2:	2,248,810		43:	2,248,077		83:	2,248,235
		2,248,822		5:	2,248,805		52.5:	2,248,061		123:	2,248,520
	386:	2,248,870		36:	2,248,874			2,248,893		135:	2,248,308
178—	5.8:	2,248,771		78:	2,248,297		53:	2,248,177	246—	3:	2,248,321
	6.6:	2,248,887		92:	2,248,320		60:	2,248,665		130:	2,248,397
	6.7:	2,248,552	192—	.01:	2,248,431		204:	2,248,131		134:	2,248,660
		2,248,559		3:	2,248,747	211—	60:	2,248,916			2,248,704
	7.1:	2,248,548		53:	2,248,134		75:	2,248,513		219:	2,248,915
		2,248,549		66:	2,248,764		119.13:	2,248,818		221:	2,248,673
		2,248,555		68:	2,248,228	214—	1.1:	2,248,657	248—	26:	2,248,629
	7.5:	2,248,772			2,248,378		135:	2,248,326		54:	2,248,730
	7.6:	2,248,554		105:	2,248,377	215—	100:	2,248,234		154:	2,248,273
	7.7:	2,248,556		142:	2,248,564	217—	40:	2,248,682		180:	2,248,209
	39:	2,248,173	196—	9:	2,248,842	218—	2.1:	2,248,139		194:	2,248,068
	44:	2,248,227		13:	2,248,067		6:	2,248,086		224:	2,248,410
		2,248,239			2,248,220			2,248,087		226:	2,248,833
		2,248,250			2,248,373	219—	8:	2,248,104		353:	2,248,808
		2,248,466			2,248,496			2,248,279	250—	1:	2,248,215
		2,248,470		18:	2,248,498		11:	2,248,280			2,248,509
		2,248,563			2,248,668		20:	2,248,676		2:	2,248,727
		2,248,746		49:	2,248,118		26:	2,248,486		9:	2,248,757
		2,248,751			2,248,357		29:	2,248,057		11:	2,248,335
		2,248,754		52:	2,248,196		30:	2,248,207			2,248,752
		2,248,776	197—	22:	2,248,691		32:	2,248,402			2,248,762
		2,248,782		53:	2,248,097			2,248,407			2,248,778
		2,248,793		124:	2,248,152			2,248,409			2,248,800
	62:	2,248,522		134:	2,248,570		35:	2,248,867		16:	2,248,787
	66:	2,248,857			2,248,571		43:	2,248,595		20:	2,248,116
	69.5:	2,248,551	198—	31:	2,248,376	220—	20.5:	2,248,163			2,248,144
	70:	2,248,583		218:	2,248,841		27:	2,248,065			2,248,267
179—	6:	2,248,081	200—	6:	2,248,362			2,248,844			2,248,343
	6.3:	2,248,575		8:	2,248,510		40:	2,248,885			2,248,350
	6.31:	2,248,566		33:	2,248,674	221—	77:	2,248,814			2,248,521
	16:	2,248,212			2,248,846		118:	2,248,294			2,248,678
		2,248,774		48:	2,248,876		136:	2,248,700			2,248,783
	18:	2,248,146		52:	2,248,293	223—	68:	2,248,102		27:	2,248,197
	26:	2,248,799		56:	2,248,878		83:	2,248,849			2,248,229
	27:	2,248,040		64:	2,248,154		91:	2,248,358			2,248,557
	38:	2,248,589		68:	2,248,361		93:	2,248,773			2,248,558
	40:	2,248,899		82:	2,248,851	224—	29:	2,248,170			2,248,581
	171:	2,248,476		104:	2,248,584	226—	48:	2,248,877			2,248,797
		2,248,550		114:	2,248,387		56:	2,248,248			2,248,815
		2,248,560		122:	2,248,531		80:	2,248,324		27.5:	2,248,425
		2,248,561			2,248,623		101:	2,248,311			2,248,712
		2,248,763		137:	2,248,666	228—	6:	2,248,794			2,248,795
		2,248,785		148:	2,248,593	229—	6:	2,248,274			2,248,889
		2,248,804	201—	48:	2,248,047		7:	2,248,766		33:	2,248,236
		2,248,852			2,248,711		51:	2,248,266		36:	2,248,442
	171.5:	2,248,045		51:	2,248,301		62:	2,248,038			2,248,481
		2,248,083		55:	2,248,672	230—	95:	2,248,261		40:	2,248,242

250—	40:	2,248,753	271—	18:	2,248,396						
	41.5:	2,248,611		46:	2,248,079						
	48:	2,248,618		53:	2,248,567						
	80:	2,248,630		87:	2,248,122						
251—	43:	2,248,381	273—	35:	2,248,053						
252—	46:	2,248,848		38:	2,248,316						
	78:	2,248,488		88:	2,248,295						
		2,248,494		110:	2,248,859						
	138:	2,248,656		119:	2,248,596						
	344:	2,248,342	274—	4:	2,248,790						
254—	104:	2,248,715		13:	2,248,622						
255—	1.8:	2,248,051	276—	18:	2,248,781						
	2:	2,248,051	277—	42:	2,248,371						
	69:	2,248,733			2,248,489						
	71:	2,248,339	280—	34:	2,248,080						
		2,248,340		46:	2,248,398						
	72:	2,248,910		209:	2,248,223						
256—	13.1:	2,248,422		261:	2,248,313						
	33:	2,248,860	281—	25:	2,248,582						
257—	2:	2,248,222	283—	63:	2,248,703						
	28:	2,248,909	284—	19:	2,248,701						
259—	9:	2,248,886	285—	84:	2,248,576						
	57:	2,248,156		90:	2,248,238						
260—	32:	2,248,107		169:	2,248,269						
	36:	2,248,749	286—	5:	2,248,803						
	41:	2,248,071	288—	3:	2,248,761						
	143:	2,248,151		14:	2,248,385						
	171:	2,248,074	289—	17:	2,248,698						
	228:	2,248,539	290—	4:	2,248,601						
	236:	2,248,241			2,248,602						
	239:	2,248,284		7:	2,248,654						
	295:	2,248,078		36:	2,248,244						
	302:	2,248,356		40:	2,248,495						
	319:	2,248,155	291—	11:	2,248,217						
	348:	2,248,635	292—	240:	2,248,750						
	397.2:	2,248,346	293—	75:	2,248,344						
	397.4:	2,248,438	294—	87:	2,248,648						
	397.6:	2,248,283	296—	28:	2,248,319						
	397.7:	2,248,911		44:	2,248,121						
	404:	2,248,089		51:	2,248,374						
	412.3:	2,248,823		84:	2,248,540						
	439:	2,248,658		98:	2,248,538						
	449:	2,248,099	297—	8:	2,248,304						
		2,248,734	299—	2:	2,248,386						
	474:	2,248,112		17:	2,248,231						
	584:	2,248,729		120:	2,248,728						
	611:	2,248,518	301—	5:	2,248,265						
	613:	2,248,491		6:	2,248,707						
	619:	2,248,827	303—	26:	2,248,437						
		2,248,831		69:	2,248,850						
	620:	2,248,401	308—	4:	2,248,894						
	624:	2,248,828		127:	2,248,142						
		2,248,829		207:	2,248,615						
		2,248,830		241:	2,248,530						
	638:	2,248,465	309—	7:	2,248,779						
	669:	2,248,512		13:	2,248,175						
	741:	2,248,480	311—	77:	2,248,871						
261—	27:	2,248,184	312—	29:	2,248,049						
263—	15:	2,248,573		37:	2,248,388						
	53:	2,248,039		44:	2,248,479						
266—	42:	2,248,434		189:	2,248,813						
267—	1:	2,248,447									
	64:	2,24 ,836									
		2,248,865									
278—	117:	2,248,337									
271—	2.1:	2,248,188									
	2.3:	2,248,106									
		2,248,193									
	2.4:	2,248,298									

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,248,039:	263—	53	2,248,079:	271—	46	2,248,294:	221—	118	2,248,432:	106—	48	2,248,567:	271—	53	2,248,780:	123—	103
2,248,049:	312—	29	2,248,105:	106—	122	2,248,318:	154—	2	2,248,457:	255—	1.8	2,248,578:	206—	41	2,248,838:	57—	19
2,248,051:	255—	2	2,248,164:	58—	24	2,248,330:	174—	41	2,248,478:	94—	50	2,248,579:	206—	41	2,248,887:	178—	6.6
2,248,061:	210—	52.5	2,248,184:	261—	27	2,248,331:	2—	10	2,248,486:	219—	26	2,248,618:	250—	48	2,248,897:	101—	180
2,248,066:	56—	130	2,248,230:	230—	101	2,248,346:	260—	397.2	2,248,504:	171—	95	2,248,656:	252—	138			
2,248,068:	248—	194	2,248,233:	91—	68	2,248,372:	16—	131	2,248,552:	178—	6.7	2,248,658:	260—	439			
2,248,077:	210—	43	2,248,260:	230—	101	2,248,387:	200—	114	2,248,555:	178—	7.1	2,248,683:	132—	33			
2,248,078:	260—	295	2,248,266:	229—	51	2,248,405:	29—	84	2,248,559:	178—	6.7	2,248,756:	62—	6			

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acro Electric Company, Cleveland, Ohio. Snap acting switches. Serial No. 443,317; July 15. Class 21.

Airplanes Publishing Co. (See Benas, Jeannette J.)

All-American Comics, Inc., New York, N. Y. Magazine published periodically. Serial No. 443,152; July 15. Class 38.

American Machine & Metals, Inc., New York, N. Y. Nozzles for gasoline hose or gasoline pumps. Serial No. 436,786; July 15. Class 13.

American Turners, Detroit, Mich. Annual publications, books, bulletins, catalogs, etc. Serial No. 442,929; July 15. Class 38.

Anchor Slide Fastener Corp., New York, N. Y. Slide fasteners. Serial No. 442,296; July 15. Class 13.

Anderson Company, The, Gary, Ind. Windshield wiper blades and parts thereof. Serial No. 441,072; July 15. Class 19.

Armor, Morris H., doing business as David Howell, Van Nuys, Calif. Advertising material sold as such. Serial No. 434,707; July 15. Class 38.

Atlas Underwear Company, The, Piqua, Ohio. Undergarments and underwear for men, women, and children. Serial No. 440,671; July 15. Class 39.

Awning Hardware Co. (See Judge, Louis L.)

Bailey Meter Company, Cleveland, Ohio. Measuring systems and apparatus for quantities, conditions, or the like. Serial No. 441,121; July 15. Class 26.

Baker, H. W., Linen Company, New York, N. Y. Face and bath towels. Serial No. 444,033; July 15. Class 42.

Bartmann & Bixer Inc., New York, N. Y. Window curtains. Serial No. 429,340; July 15. Class 42.

Benas, Jeannette J., doing business as Airplanes Publishing Co., New York, N. Y. Magazine published monthly. Serial No. 440,640; July 15. Class 38.

Best & Co. Inc., New York, N. Y. Pocketbooks and handbags. Serial No. 442,586; July 15. Class 3.

Billow, Benjamin, New York, N. Y. Children's sleeping garments, gowns, slips, bibs, etc. Serial No. 443,390; July 15. Class 39.

Booth, L. H., doing business as Booth Pharmaceutical Co., Los Angeles, Calif. Cascara sagrada in a gelatin capsule for the treatment of constipation. Serial No. 441,118; July 15. Class 6.

Brooklyn Mills, Inc., New York, N. Y. Hair nets. Serial No. 437,163; July 15. Class 39.

Broom and Newman, New York, N. Y. Men's and boy's pajamas. Serial No. 443,712; July 15. Class 39.

Brown Shoe Company, Inc., St. Louis, Mo. Men's, women's, and children's shoes of leather, fabric, etc. Serial No. 443,627; July 15. Class 39.

Burr & Johnson, Washington, D. C. Amusement game comprising a board game played with movable pieces and cards. Serial No. 443,650; July 15. Class 22.

Carhoff Company, Cleveland Heights, Ohio. Liquid preparation commonly known as eye drops. Serial No. 444,213; July 15. Class 6.

Causse Manufacturing & Importing Co., Bound Brook, N. J. Preserved fruits. Serial No. 440,713; July 15. Class 46.

Central Pattern and Foundry Company, Chicago, Ill. Aluminum, brass, and bronze metal castings. Serial No. 442,381; July 15. Class 14.

Charlston, Gustave A., Portland, Oreg. Metal safety assembly frame for electric glass coffee makers. Serial No. 437,164; July 15. Class 13.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. Serial No. 443,714; July 15. Class 39.

Concord Fabrics, New York, N. Y. Textile fabrics in the pieces of cotton, cotton-rayon, rayon, acetate, and linen. Serial N. 443,071; July 15. Class 42.

Comet Rice Mills, Inc., Beaumont, Tex. Rice. Serial No. 443,185; July 15. Class 46.

Darlington Fabrics Corporation, New York, N. Y. Woven elastic fabric, piece goods of cotton, rayon, etc. Serial No. 430,220; July 15. Class 42.

Deming Company, The, Salem, Ohio. Shallow well pumps. Serial No. 441,568; July 15. Class 23.

Destruxol Corporation, Ltd., Pasadena, Calif. Fungicide. Serial No. 443,753; July 15. Class 6.

Destruxol Corporation, Ltd., Pasadena, Calif. Chemical solution for treating lawn soil. Serial No. 443,754; July 15. Class 6.

Detective Comics, Inc., New York, N. Y. Magazine publication. Serial No. 443,072; July 15. Class 38.

Detective Comics, Inc., New York, N. Y. Magazine publication. Serial No. 443,117; July 15. Class 38.

Differential Steel Car Company, Findlay, Ohio. Road, railway (motor) and trailer cars and trucks and structural parts thereof. Serial No. 418,139; July 15. Class 19.

Drink-Mor Beverage Company, Wilkes-Barre, Pa. Root beer. Serial No. 443,654; July 15. Class 45.

Dynamatic Corporation, Kenosha, Wis. Electrical governors for motors. Serial No. 442,116; July 15. Class 21.

Elmer Candy Co., Inc., New Orleans, La. Candy. Serial No. 442,031; July 15. Class 46.

Epiphone, Inc., New York, N. Y. Stringed musical instruments. Serial No. 443,409; July 15. Class 36.

Fawcett Publications, Inc., Greenwich, Conn. Monthly periodical. Serial No. 442,997; July 15. Class 38.

Fawcett Publications, Inc., Greenwich, Conn. Monthly periodical. Serial No. 442,999; July 15. Class 38.

Fischer & Co., Inc., New York, N. Y. Ladies' pure silk underwear, including nightgowns, slips, and panties. Serial No. 442,033; July 15. Class 39.

Fisher Scientific Company, Pittsburgh, Pa. Motor-driven device employed to shake receptacles and their contents. Serial No. 443,657; July 15. Class 21.

Ford, J. B., Sales Company, The, Wyandotte, Mich. Magazine published periodically. Serial No. 442,865; July 15. Class 38.

Fraser Products Co., Detroit, Mich. Reversible ironing board covers. Serial No. 442,356; July 15. Class 24.

Freihofer, William, Baking Company, Philadelphia, Pa. Bread. Serial No. 443,535; July 15. Class 46.

Garden Grove Mutual Orange Assn., Garden Grove, Calif. Fresh citrus fruit. Serial No. 435,842; July 15. Class 46.

General Printing Ink Corporation, New York, N. Y. Printing inks. Serial No. 443,563; July 15. Class 11.

Gunn-Hinerman Tire Co., Amarillo, Tex. Trading stamps and printed booklets for saving accumulations of such trading stamps. Serial No. 441,133; July 15. Class 38.

H V Laboratories, Inc., St. Louis, Mo. Preparation for treatment of athlete's foot and other skin diseases. Serial No. 444,080; July 15. Class 6.

Harrison, Monroe, Chicago, Ill. Fruit juices and fruit concentrates for beverage purposes. Serial No. 433,321; July 15. Class 45.

Harrison, Robert. (See Moran, Earl S.)

Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap—namely, germicidal soap. Serial No. 443,083; July 15. Class 4.

Hickok Oil Corporation, Toledo, Ohio. Automobile filling station supplies. Serial No. 442,628; July 15. Class 15.

Howell, David. (See Armor, Morris H.)

Hydro Transmission Corporation, Hamilton, Ohio. Locomotives and switching engines. Serial No. 431,450; July 15. Class 23.

Hygrade Sylvania Corporation, Salem, Mass. Enamel coatings for electric lamp reflectors. Serial No. 440,199; July 15. Class 16.

Interchemical Corporation, New York, N. Y. Printing inks. Serial No. 443,567; July 15. Class 11.

International Industries, Inc., Ann Arbor, Mich. Telescopes and binoculars. Serial No. 443,417; July 15. Class 26.

International Industries, Inc., Ann Arbor, Mich. Cameras, enlargers for making enlarged prints from photographic films, projectors, etc. Serial No. 443,508; July 15. Class 26.

Jack Bros. and McBurney, Inc., Brawley, Calif. Fresh vegetables and melons. Serial No. 443,846; July 15. Class 46.

Jensen, Georg, Inc., New York, N. Y. Flatware for table use, hollowware for table and decorative uses, toiletware, etc. Serial No. 434,876; July 15. Class 28.

Jiffy Juicing Machines, Inc., Seattle, Wash. Juice extracting machine. Serial No. 442,557; July 15. Class 21.

Judge, Louis L., doing business as Awning Hardware Co., Baltimore, Md. Automobile tire jacks. Serial No. 442,683; July 15. Class 23.

Kellogg Company, Battle Creek, Mich. Collections of recipes and/or menus issued from time to time. Serial No. 442,417; July 15. Class 38.

Keystone Products Company. (See Scanlon, Martin T.)

King, Guy, Chattanooga, Tenn. Liquid product used by athletes on their hands to enable them a better grip on golf clubs, bowling balls, etc. Serial No. 443,294; July 15. Class 4.

Koch, Louis A., doing business as Koch Manufacturing Company, Louisville, Ky. Automobile exhaust pipe deflectors. Serial No. 442,492; July 15. Class 23.

Lancaster Steel Co., Inc., New York, N. Y. Alloy steel. Serial No. 443,233; July 15. Class 14.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial Nos. 444,265–67; July 15. Class 6.

Laura Lee Frocks, Inc., St. Louis, Mo. Women's dresses. Serial No. 443,255; July 15. Class 39.

Lynch, E. P., Inc., Providence, R. I. Cement hardener in liquid form. Serial No. 442,559; July 15. Class 12.

Maccaferri, Mario, New York, N. Y. Reeds and mouthpieces for musical instruments, woodwind musical instruments and accessories. Serial No. 442,714; July 15. Class 36.

Masury, John W., & Son, New York, N. Y. Ready-mixed and paste paints, varnishes, paint enamels, and stains. Serial Nos. 443,198–9; July 15. Class 16.

Mercury Battery Charger & Tester Corp., Kansas City, Mo. Combined battery charging and testing apparatus. Serial No. 442,493; July 15. Class 26.
Michaelis, Curt, Jersey City, N. J. Hamburger rolls in the nature of bakery products. Serial No. 442,795; July 15. Class 46.
Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Beet drills, beet lifters, combines, corn pickers, etc. Serial No. 441,517; July 15. Class 23.
Moran, Earl S., and Robert Harrison, New York, N. Y. Periodical published from time to time. Serial No. 440,871; July 15. Class 38.
Mosler and Brandmark Printing Ink Corporation, New York, N. Y. Printing inks, lithographic inks, water color inks, and silk inks. Serial No. 442,912; July 15. Class 11.
Murber, George E., San Francisco, Calif. Rubber overshoes, sandals and heel protections. Serial No. 443,049; July 15. Class 39.
National Gypsum Company, Buffalo, N. Y. Metal lath, corner bead, expanded metal corner bead, etc. Serial No. 432,268; July 15. Class 12.
National Starch Products Inc., New York, N. Y. Textile size. Serial No. 444,275; July 15. Class 5.
Nemrow, Barnet, doing business as Nemrow System of New England, Providence, R. I. Canned vegetables, vinegar, mayonnaise, pickles, table syrup, maple syrup, peanut butter. Serial No. 439,314; July 15. Class 46.
Nutilities, Inc., New York, N. Y. Calculators. Serial No. 442,365; July 15. Class 26.
Operadio Manufacturing Co., St. Charles, Ill. Intercommunicating systems. Serial No. 442,425; July 15. Class 21.
Pal, George J., Hollywood, Calif. Motion picture films, sound films, combined sound and motion picture films, etc. Serial No. 443,700; July 15. Class 26.
Paraphone Hearing Aid, Inc., Cleveland, Ohio. Electrical radio-tube hearing aids. Serial No. 442,367; July 15. Class 44.
Payne, James R., Houston, Tex. Carbonated, maltless, nonalcoholic beverages sold as soft drinks. Serial No. 443,949; July 15. Class 45.
Perkins Products Company, Chicago, Ill. Bottled soft drinks. Serial No. 436,437; July 15. Class 45.
Piper, Stewart S., Elmira, N. Y. Artificially colored table salt. Serial No. 442,277; July 15. Class 46.
Potter & Johnston Machine Company, Pawtucket, R. I. Metal working machine tools. Serial No. 438,214; July 15. Class 23.
Pthinon Bar Co., New York, N. Y. Anti-landing device for pigeons and other birds. Serial No. 438,085; July 15. Class 12.
Quaker Oats Company, The, Chicago, Ill. Rolled Oats. Serial No. 427,992; July 15. Class 46.
Recoton Corporation, New York, N. Y. Phonograph needles. Serial No. 441,924; July 15. Class 36.
Reichmuth, Anton, doing business as Tony's Winery and Grand Life Champagne Winery, San Francisco, Calif. Champagne. Serial No. 441,876; July 15. Class 47.
Rittenhouse, Joseph, Wildwood, N. J. Board game played with movable pieces and a spinner or dice. Serial No. 438,705; July 15. Class 22.
S and W Fine Foods, Inc., San Francisco, Calif. Coffee. Serial No. 443,017; July 15. Class 46.
Sandler, A., Co., Boston, Mass. Women's and misses' shoes made of leather, rubber or fabric. Serial No. 442,726; July 15. Class 39.
Scanlon, Martin T., doing business as Keystone Products Company, Pittsburgh, Pa. Prepared bleaching and water softening preparation. Serial No. 441,593; July 15. Class 6.
Schnebbe Fire Protection Engineering Company, New York, N. Y. Vending machines. Serial No. 443,734; July 15. Class 26.
Schoenhofen Edelweiss Company, Chicago, Ill. Beer. Serial No. 438,588; July 15. Class 48.
Sherwin-Williams Company, The, Cleveland, Ohio. Paints. Serial No. 442,981; July 15. Class 16.
Shulton, Inc., New York, N. Y. Saponaceous compounds for cleaning the hands, shaving cream, shaving sticks, etc. Serial No. 438,999; July 15. Class 4.
Smith-Douglass Company, Inc., Norfolk, Va. Vitamin and hormone treated plant food. Serial No. 442,879; July 15. Class 10.
Spalding, A. G., & Bros. Inc. Chicopee, Mass. Golf balls, gloves, tennis rackets, volley balls, etc. Serial No. 443,783; July 15. Class 22.
Spalding Sales Corporation, Chicopee, Mass. Missiles for racket games, missile rackets, and accessories therefor, racket covers and cases, etc. Serial No. 432,455; July 15. Class 22.
Special Formula Corporation, The, East Orange, N. J. Cleansing cream and dry skin cleanser. Serial No. 438,359; July 15. Class 6.
Spiegel, Walter, New York, N. Y. Radio-phonograph combinations, electrical phonographs and record players. Serial No. 440,760; July 15. Class 36.
Stein Bros., New York, N. Y. Men's summer suits. Serial No. 442,374; July 15. Class 39.
Standard Brands Incorporated, New York, N. Y. Films carrying associated sound records and pictures for projection. Serial No. 442,734; July 15. Class 26.
Superior Sleeprite Corporation, Chicago, Ill. Tables, chairs, dressers, chests, desks, etc. Serial No. 444,242; July 15. Class 32.
Sure-Fit Products Company, Philadelphia, Pa. Mattress covers, blanket covers, day bed covers, etc. Serial No. 431,790; July 15. Class 42.
Swift and Company, Chicago, Ill. Sausage. Serial No. 436,824; July 15. Class 46.
Takeda, Ch., & Co., Ltd., Osaka, Japan. Preparation for beri-beri, influenza, pneumonia, etc. Serial No. 433,766; July 15. Class 6.
Tannade Company, The, Chicago, Ill. Tanning extract. Serial No. 443,737; July 15. Class 6.
Tony's Winery and Grand Life Champagne Winery. (See Reichmuth, Anton.)
Toy Manufacturers of the U. S. A., Inc., New York, N. Y. Publications, directories, catalogues, pamphlets, etc. Serial No. 441,495; July 15. Class 38.
United States Gypsum Company, Chicago, Ill. Roof and side wall covering material. Serial No. 432,166; July 15. Class 12.
Wachsmann, Non, Flushing, Long Island, N. Y. Ointment for external use. Serial No. 443,147; July 15. Class 6.
Wagner Concrete Equipment Company, Portland, Oreg. Portable concrete mixers. Serial No. 439,374; July 15. Class 23.
Washington Institute of Technology, Inc., Washington, D. C. Meteorological apparatus for measuring and recording meteorological condition of the atmosphere. Serial No. 435,991; July 15. Class 26.
Weekly Publications, Inc., New York, N. Y. Department or section of a weekly magazine. Serial Nos. 442,467–8; July 15. Class 38.
Wellington Sears Company, Incorporated, New York, N. Y. Drills, jeans, suitings, twills, etc. Serial No. 443,990; July 15. Class 42.
Wertheim, Alex., Knitwear, Inc., New York, N. Y. Men's, women's, and children's sport shirts, polo shirts, slacks, etc. Serial No. 438,496; July 15. Class 39.
Young, Chas. W., & Co., Philadelphia, Pa. Soap. Serial No. 443,212; July 15. Class 4.

LIST OF REGISTRANTS OF TRADE-MARKS

A A Wire Co., Inc., Newark, N. J., assignor to General Cable Corporation. Rubber-covered wire for electrical purposes. 143,226; renewed May 24, 1941.
Adirondack Mineral Springs, Inc. (See Boonville Mineral Spring Company, assignor.)
Ahlers, Carl, assignor to Carl Ahlers Inc., New York, N. Y. Eggs. 145,926; renewed Aug. 23, 1941.
Aleo Mills, Inc., New York, N. Y. Cotton and/or rayon piece goods. 388,907; July 15; Serial No. 440,974; published May 6, 1941. Class 42.
Alperin, Strauss & Co., New York, N. Y., assignor, by mesne assignments, to Reliance Manufacturing Company, Chicago, Ill. Dress, negligee, and work shirts, pajamas, etc. 140,727; renewed Mar. 29, 1941.
Alperin, Strauss & Co., New York, N. Y., assignor, by mesne assignments, to Reliance Manufacturing Company, Chicago, Ill. Dress, negligee, and work shirts, pajamas, etc. 141,072; renewed Apr. 12, 1941.
American Asphalt Roof Corporation, Kansas City, Mo. Ready-mixed paints. 147,069; renewed Oct. 4, 1941.
American Mineral Spirits Company, Chicago, Ill. Liquid solvent of petroleum origin, for use in paint, etc. 388,915; July 15; Serial No. 441,119; published May 6, 1941. Class 16.
American Tansul Company, San Francisco, Calif. Material for chill-proofing and stabilizing beverages. 147,748; renewed Nov. 1, 1941.
American Viscose Corporation, Wilmington, Del. Yarns, threads, and yarn and thread filaments. 388,921; July 15; Serial No. 441,273; published May 6, 1941. Class 43.
Anaconda Wire & Cable Company, New York, N. Y. Insulated electrical wire and cable. 388,853; July 15; Serial No. 439,140; published May 6, 1941. Class 21.
Anderson Company, The, Gary, Ind. Granulated hand soap. 388,913; July 15; Serial No. 441,073; published May 6, 1941. Class 4.
Anderson Company, The, Gary, Ind. Granulated hand soap. 388,914; July 15, 1941. Serial No. 441,076; published May 6, 1941. Class 4.
Asher, Albert. (See Garcia & Maggini Co.)
Associated Press, The, New York, N. Y. Newspaper features, Series of. 388,941; July 15. Class 38.
Atkins, E. C., and Company, Indianapolis, Ind. Hack saw blades. 388,869; July 15; Serial No. 439,984; published May 6, 1941. Class 23.
Audio Devices, Inc., New York, N. Y. Instantaneous sound recording blanks. 388,865; July 15; Serial No. 439,792; published May 6, 1941. Class 36.
Audio Devices, Inc., New York, N. Y. Instantaneous sound recording blanks. 388,866; July 15; Serial No. 439,794; published May 6, 1941. Class 36.
B. V. D. Corporation, The. (See Oppenheim, Oberndorf & Co. Inc.)

Baker Clothes, Inc., Philadelphia, Pa. Men's suits and overcoats. 388,844; July 15; Serial No. 435,233; published May 6, 1941. Class 39.
Baldwin, Estella, Huntington, N. Y. Liniment used in the treatment of sprains, bruises, glandular swellings, etc. 142,927; renewed May 24, 1941.
Balfour, Arthur, Steel Co., Inc., The, Wilmington, Del., and Boston, Mass. to Arthur Balfour & Co. Limited, Sheffield, England, successor. Steel bars. 147,911; renewed Nov. 8, 1941.
Barbour, J. E., Company, Paterson, N. J., assignor to Ludlow Manufacturing & Sales Co., Boston, Mass. Threads and yarns. 142,233–4; renewed May 10, 1941.
Bausch & Lomb Optical Company. (See Stevens & Company.)
Black and Decker Manufacturing Company, The, Towson, Md. Saws, Hand portable electric. 388,943; July 15. Class 21.
Boas, Charles. (See Hudson & Boas.)
Boonville Mineral Spring Company, Utica and Boonville, assignor, by mesne assignments, to Adirondack Mineral Springs, Inc., Boonville, N. Y. Spring-water, carbonated water, distilled water, and non-alcoholic beverages and syrups for making the same. 135,919; renewed Oct. 26, 1940.
Booth Fisheries Sardine Company to Booth Fisheries Corporation, Chicago, Ill. Canned sardines. 142,938; renewed May 24, 1941.
Bradley, Milton, Company, Springfield, Mass. Water color paints. 388,832; July 15; Serial No. 428,981; published Aug. 20, 1940. Class 16.
Bradley, Milton, Company, Springfield, Mass. Wooden toys. 388,910; July 15; Serial No. 441,045; published May 6, 1941. Class 22.
Bradley, Milton, Company, Springfield, Mass. Table game. 388,933; July 15; Serial No. 441,603; published May 6, 1941. Class 22.
Brantford Roofing Company, Limited, Brantford, Ontario, Canada. Surface finishing materials for cement, stone, or mastic floor coverings. 388,863; July 15; Serial No. 439,686; published May 6, 1941. Class 12.
Brewers Scientific Laboratories, Inc., Rahway, N. J. Compound for the chillproofing of beer and ales. 388,936; July 15; Serial No. 441,693; published May 6, 1941. Class 48.
Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Soaps, cleaning, scouring, and polishing wads, pads, etc. 388,829; July 15; Serial No. 423,289; published May 6, 1941. Class 4.
Buckeye Brewing Company, The, Toledo, Ohio. Comic strip. 388,922; July 15; Serial No. 441,278; published May 6, 1941. Class 38.
Business Promotion Service. (See Phillips, Samuel A.)
Calcibrite Corporation, The, Pawtucket, R. I. Building cement. 388,879; July 15; Serial No. 440,280; published May 6, 1941. Class 12.
California Rice Products Company. (See Yonan-Malek, M.)
Cannon Mfg. Co., to Cannon Mills Company, Kannapolis, N. C., successor. Fabric towels. 147,948; renewed Nov. 8, 1941.
Capitol Milk Bars Corp., New York, N. Y. Milk and milk products. 388,828; July 15; Serial No. 422,984; published May 6, 1941. Class 46.
Carter Medicine Company, assignor to Carter Products, Inc., New York, N. Y. Pill. 20,383; re-renewed Nov. 17, 1941.
Cavalier Corporation, Chattanooga, Tenn. Consoles. 388,916; July 15; Serial No. 441,124; published May 6, 1941. Class 32.
Cavalier Corporation, Chattanooga, Tenn. Consoles. 388,917; July 15; Serial No. 441,126; published May 6, 1941. Class 32.
Chartre Manufacturing & Importing Co. Inc. (See Gabilla, Henriette.)
Chett, Peabody & Co., Inc., Troy, N. Y. Handkerchiefs. 147,966; renewed Nov. 8, 1941.
Colgate-Palmolive-Peet Company. (See Kwix Company, assignor.)
Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Automatic pistols. 388,937–8; July 15. Class 9.
Commercial Trading Co., Inc., Boston, Mass. Articles of clothing. 146,712–15; renewed Sept. 20, 1941.
Cosmo-Q Corporation, Madison, Wis. Color coating material for hair, skin, nails and lips. 388,940; July 15. Class 6.
Cosmo Packing Company, Inc., New York, N. Y. Vegetable shortening. 388,858; July 15; Serial No. 439,616; published May 6, 1941. Class 46.
Craftex Woven Label Co., Inc., New York, N. Y. Woven and printed labels and tags. 388,954; July 15. Class 38.
Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. 388,905; July 15; Serial No. 440,918; published May 6, 1941. Class 39.
Dahnke-Walker Milling Co., Union City, assignor, by mesne assignments, to Lem Motlow, Lynchburg, Tenn. Wheat and corn products. 143,580; renewed June 7, 1941.
Deneheim Distilling Co., Kansas City, Mo. Whiskey. 388,854; July 15; Serial No. 439,249; published May 6, 1941. Class 49.
Differential Wheel Corporation, Detroit, Mich. Vehicle wheels particularly independently rotatable dual wheels. 388,826; July 15; Serial No. 416,372; published May 6, 1941. Class 19.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. 147,992; renewed Nov. 8, 1941.
Donnelley, Reuben H., Corporation, The, Chicago, Ill. Telephone-directories published semi-yearly. 148,232; renewed Nov. 8, 1941.
Dwinell-Wright Company, Boston, Mass. Salted peanuts. 388,899; July 15; Serial No. 440,745; published May 6, 1941. Class 46.
Eagle Rubber Co., The, to Eagle Rubber Co., Inc., Ashland, Ohio, successor. Toy balloons. 144,235; renewed June 28, 1941.
Easy Washing Machine Corporation, Syracuse, N. Y. Ironing machines. 388,836; July 15; Serial No. 429,937; published June 11, 1940. Class 24.
Eastern Malleable Iron Company, The, Naugatuck, Conn. Non-skid metal articles. 388,897; July 15; Serial No. 440,682; published May 6, 1941. Class 12.
Endless Belt Corporation, Inc., New York, N. Y., assignor to Endless Belt Corporation, Pisgah Forest, N. C. Linen, cotton, and other fabric belts. 145,352; renewed Aug. 2, 1941.
Endless Belt Corporation, Inc., New York, N. Y., assignor to Endless Belt Corporation, Pisgah Forest, N. C. Linen, cotton, and other fabric endless belts. 144,385–6; renewed July 5, 1941.
Engelman Gardens Association. (See Poinelo, Dr., Company.)
Escoffier Limited, London, England. Mayonnaise; catsup; food oils; pickles; vinegar; canned soups, meats, fruits, and vegetables. 146,733; renewed Sept. 20, 1941.
Esmond Mills, The, assignor to The Esmond Mills, Inc., Esmond, R. I. Cotton bed-blankets. 148,012; renewed Nov. 9, 1941.
Estate Stove Company, The, Hamilton, Ohio. Thermostatically-operated valves. 147,598; renewed Oct. 25, 1941.
Feldman, Joseph, doing business as Scher & Feldman, New York, N. Y. Infants', children's, and juniors' coats. 388,841; July 15; Serial No. 434,398; published May 6, 1941. Class 39.
Fletcher, Robert & Son, to Robert Fletcher & Son Limited, Stoneclough, near Manchester, England, successor. Tissue paper. 20,232; re-renewed Oct. 20, 1941.
Forstner Chain Corporation, Irvington, N. J. Chains for personal adornment which are made of or plated with precious metal. 144,394; renewed July 5, 1941.
Fort Schuyler Knitting Company, Utica, N. Y. Men's, women's, and children's knitted pajamas and sleeping garments. 388,882; July 15; Serial No. 440,370; published May 6, 1941. Class 39.
Foster-Milburn Company. (See Sweet, Ambrose S., assignor.)
Fox Publications, Inc., New York, N. Y. Magazine. 388,842; July 15; Serial No. 434,717; published Nov. 12, 1940. Class 38.
Freeda Agar Products, New York, N. Y. Chocolate powder. 388,871; July 15; Serial No. 440,088; published May 6, 1941. Class 46.
Frick Company, Waynesboro, Pa. Unit air conditioners. 388,874; July 15; Serial No. 440,158; published May 6, 1941. Class 34.
Gabilla, Henriette, Paris, France, assignor, by mesne assignments, to Chartre Manufacturing & Importing Co. Inc., New York, N. Y. Toilet preparations. 148,033; renewed Nov. 8, 1941.
Garcia & Maggini Co., San Francisco, Fresno, Watsonville, Sebastopol, Santa Rosa, Forestville, and Healdsburg, to Albert Asher, doing business as Albert Asher Co., San Francisco, Calif., successor. Canned fresh and dried fruits. 142,542; renewed May 17, 1941.
Gaw-O'Hara Envelope Co., Chicago, Ill. Envelopes and pocket labels. 388,945; July 15. Class 37.
General Cable Corporation. (See A A Wire Co.)
Gerrard Company, Inc., The, Chicago, Ill. Wire tying, straightening machines and holders, etc. 388,951; July 15. Class 23.
Glidden Company, The, doing business as Durkee Famous Foods, New York, N. Y.; Chicago, Ill.; Louisville, Ky.; and Berkeley, Calif. Compound shortening. 388,851; July 15; Serial No. 439,045; published May 6, 1941. Class 46.
Goldmeyer, Thiel & Arnold, assignor to Goldmeyer & Arnold, Inc., New York, N. Y. Fruit fillings, mincemeat, apple and corn-syrup jelly, etc. 143,622; renewed June 7, 1941.
Granite Beverage Co. (See Sten, Walter G.)
Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Roofs for storage tanks, Metal. 388,939; July 15. Class 12.
Halpern, Julius. (See Rath Manufacturing Company, The.)
Hart, Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, topcoats, etc. 388,931; July 15; Serial No. 441,537; published May 6, 1941. Class 39.
Harvey Brothers, Chicago, Ill. Men's and boys' clothing. 388,903; July 15; Serial No. 440,859; published May 6, 1941. Class 39.
Hazen, Chas. E., doing business as Hazen Packing Company, Corning, Calif. Canned olives. 388,918; July 15; Serial No. 441,135; published May 6, 1941. Class 46.

Heintz, Merkle & Company, assignor, by mesne assignments, to P. Herold & Sons, Inc., Philadelphia, Pa. Mayonnaise, mince-meat, and salted peanuts. 147,621; renewed Oct. 25, 1941.

Hemet Mutual Groves, Hemet, Calif. Citrus fruits. 388,891; July 15; Serial No. 440,534; published May 6, 1941. Class 46.

Henry, Harry, Chicago, Ill. Coupons. 388,845; July 15; Serial No. 436,511; published May 6, 1941. Class 38.

Hensler, Joseph, Brewing Company, The, Newark, N. J. Beer. 388,890; July 15; Serial No. 440,553; published May 6, 1941. Class 48.

Hubbard & Busch, Ashburn, Mo. Medicinal preparation. 388,948; July 15. Class 6.

Hudson & Boas to Charles Boas, New York, N. Y. Cotton goods in the piece. 142,575; renewed May 17, 1941.

Huntington Laboratories, Inc., Huntington, Ind. Dust layer oil and preservative. 388,900; July 15; Serial No. 436,804; published May 6, 1941. Class 4.

Hygeine Products Company, Inc., Temple City, Calif. Septic tanks. 388,856; July 15; Serial No. 439,510; published Apr. 15, 1941. Class 13.

Imperial Products Co. (See Rath Manufacturing Company, The.)

Independent Directory Corp., Chicago, Ill. Business and industrial buyers' guide classified telephone directory. 388,892; July 15; Serial No. 440,595; published May 6, 1941. Class 38.

Insel Company, The, Arlington, N. J. Interfitting construction toys. 388,929; July 15; Serial No. 441,511; published May 6, 1941. Class 22.

International Correspondence Schools, Scranton, Pa. Printed books and other printed publications. 388,846; July 15; Serial No. 436,570; published Apr. 29, 1941. Class 38.

International Smelting and Refining Company, Perth Amboy, N. J. Refined lead in pigs or blocks, antimonial lead pigs, etc. 388,930; July 15; Serial No. 441,512; published May 6, 1941. Class 14.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 388,893–4; July 15; Serial No. 440,597–8; published May 6, 1941. Class 39.

Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. 388,925; July 15; Serial No. 441,436; published Apr. 29, 1941. Class 28.

Jelenko, J. F., & Co. Inc., New York, N. Y. Dental impression material. 388,927; July 15; Serial No. 441,473; published May 6, 1941. Class 44.

Kaplan, Abner, New York, N. Y. Woven, quilted, knit piece goods. 388,834; July 15; Serial No. 429,056; published Nov. 19, 1940. Class 42.

Kastor, Adolph, & Bros., Inc., New York, N. Y. Pocket knives, hunting knives, and kitchen knives. 388,876; July 15; Serial No. 440,253; published May 6, 1941. Class 23.

Kerlow Steel Flooring Company, Jersey City, N. J. Ventilator gratings, steps, walkways, bridge floors, etc. 388,875; July 15; Serial No. 440,187; published May 6, 1941. Class 12.

King Features Syndicate, Inc., New York, N. Y. Cartoon series. 388,949; July 15. Class 38.

Kraus Bros. & Co. Inc., New York, N. Y., assignor to Hiram Walker & Sons, Inc., Peoria, Ill. Whiskey. 388,825; July 15; Serial No. 394,375; published Nov. 22, 1938. Class 49.

Kuhlman, Arthur L., Ann Arbor, Mich. Electrical plugs and sockets. 388,877; July 15; Serial No. 440,255; published May 6, 1941. Class 21.

Kwix Company, Boston, Mass., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap and preparation in the nature of soap. 147,346; renewed Oct. 11, 1941.

Lee Knitwear Corp., New York, N. Y. Swimsuits, playsuits for men, women, and children. 388,857; July 15; Serial No. 439,547; published May 6, 1941. Class 39.

Lehman Bros. Corp. (See Quality Brands Company, The.)

Lemann & Cie, Langnau, Berne, Switzerland. Cheese. 145,399; renewed Aug. 2, 1941.

Leroux and Company, Inc., Philadelphia, Pa. Wines. 388,901; July 15; Serial No. 440,822; published May 6, 1941. Class 47.

Les Etablissements Poulenc Frères Société Anonyme, assignor to Société des Usines Chimiques Rhone-Poulenc, Paris, France. A certain named medicinal preparation. 143,386; renewed May 31, 1941.

Levay, Joseph, Inc., New York, N. Y. Women's and misses' dresses, skirts, coats, and suits. 388,911; July 15; Serial No. 441,054; published May 6, 1941. Class 39.

Lily-Tulip Cup Corporation, New York, N. Y. Paper cups and paper containers in the general nature of paper cans. 388,843; July 15; Serial No. 435,212; published Jan. 7, 1941. Class 2.

Limpret Bros., Inc., Vineland, N. J., and New York, N. Y. Beverages and syrups for making the same, Maltless. 388,895; July 15; Serial No. 440,628; published May 6, 1941. Class 45.

Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton and/or rayon piece goods. 388,956; July 15. Class 42.

Luber-Finer, Inc., Los Angeles, Calif. Replacement units for oil refining devices for Diesel engines. 388,837; July 15; Serial No. 430,785; published May 6, 1941. Class 23.

Ludlow Manufacturing & Sales Co. (See Barbour, J. E., Company.)

Madison Sportswear, Inc., Boston, Mass., and New York, N. Y. Ladies' skirts. 388,888; July 15; Serial No. 440,517; published May 6, 1941. Class 39.

McDaniel & Sons, Inc., Somerton, Ariz. Fresh vegetables and melons. 388,946; July 15. Class 46.

Meade, Charles A., Poughkeepsie, N. Y. Building unit. 388,896; July 15; Serial No. 440,632; published May 6, 1941. Class 12.

Metal Industry Publishing Company, New York, N. Y. Annual periodical. 388,944; July 15. Class 38.

Metals Disintegrating Company, Inc., Union, N. J. Flaked disintegrated metal used as paint ingredient. 388,934–5; July 15; Serial Nos. 441,617–18; published May 6, 1941. Class 16.

Metropolitan Music Co., New York, N. Y. Violins, violas, cellos, etc. 388,849; July 15; Serial No. 438,488; published May 6, 1941. Class 36.

Midwest Knit Goods Company, Chicago, Ill. Women's and misses' sportswear. 388,884; July 15; Serial No. 440,467; published May 6, 1941. Class 39.

Miller Company, The, Meriden, Conn. Glass and combination glass and metal globes and reflectors. 388,898; July 15; Serial No. 440,703; published May 6, 1941. Class 34.

Motlow, Lem. (See Dahnke-Walker Milling Co.)

Mount Hope Finishing Company, Dighton, Mass. Finished textile fabrics in the piece. 388,835; July 15; Serial No. 429,712; published May 6, 1941. Class 42.

Mueller, Matilda, Minneapolis, Minn. Preparation, used in the treatment of arthritis, to be taken internally. 388,957; July 15. Class 6.

Murphy, E. J., Co., Inc., Washington, D. C. Ready-mixed paints, colored varnishes, polishing-oil, oil-colors, etc. 142,627; renewed May 17, 1941.

National Silver Company, New York, N. Y. Pottery cooking and table ware. 388,855; July 15; Serial No. 439,394; published May 6, 1941. Class 30.

New Jersey Zinc Company, The, New York, N. Y. Paint-pigments, zinc oxid, leaded zinc oxid, ocher, and lithopone. 141,182; renewed Nov. 8, 1941.

New Jersey Zinc Company, The, New York, N. Y. Zinc oxid used in the manufacture of inks. 148,183; renewed Nov. 8, 1941.

New Jersey Zinc Company, The, New York, N. Y. Chemical preparations. 148,184; renewed Nov. 8, 1941.

New Jersey Zinc Company, The, New York, N. Y. Zinc in certain forms. 148,185; renewed Nov. 8, 1941.

North Billerica Co., North Billerica, Mass. Piece goods and blankets. 147,658; renewed Oct. 25, 1941.

Old Hickory Chair Company, The, assignor to Old Hickory Furniture Company, Martinsville, Ind. Rustic chairs, stools, settees, lounges, tables, swings, hat-trees, etc. 147,363; renewed Oct. 11, 1941.

Oppenheim, Oberndorf & Co. Inc., Baltimore, Md., to The B. V. D. Corporation, New York, N. Y., successor. Sleeping-garments. 143,702–3; renewed June 7, 1941.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage. 388,889; July 15; Serial No. 440,519; published May 6, 1941. Class 3.

Pathfinder Petroleum Company, Los Angeles, Calif. Gasoline. 388,859; July 15; Serial No. 439,626; published May 6, 1941. Class 15.

Pathfinder Petroleum Company, Los Angeles, Calif. Gasoline. 388,860–61; July 15; Serial Nos. 439,628–9; published May 6, 1941. Class 15.

Phillips, Samuel A., doing business as Business Promotion Service, Morgantown, W. Va. Trading certificates. 388,902; July 15; Serial No. 440,831; published May 6, 1941. Class 38.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour, breadstuffs, waffle mix, etc. 388,878; July 15; Serial No. 440,264; published May 6, 1941. Class 46.

Pomelo, Dr., Company, also doing business as Engelman Gardens Association, Edinburg, Tex. Citrus fruits and citrus fruit juices. 388,881; July 15; Serial No. 440,341; published May 6, 1941. Class 46.

Pratt Food Company, Philadelphia, Pa. Feed ingredient. 388,862; July 15; Serial No. 439,664; published May 6, 1941. Class 46.

Prosperity Company, Inc., The, Syracuse, N. Y. Hydro extractors as centrifugal laundry extractors. 388,840; July 15; Serial No. 434,249; published May 6, 1941. Class 24.

Pure Food Factory "Hansa," Mamaroneck, N. Y. Bouillon cubes, vegetable and beef extracts in solid and fluid form. 148,515; renewed Nov. 15, 1941.

Quality Brands Company, The, Cleveland, Ohio, to Lehman Bros. Corp., Jersey City, N. J., successor. Glazing, roofing, and calking and waterproofing compounds. 143,435; renewed May 31, 1941.

Quinn, Kathleen, Garment Company, Ogden, Utah. Women's dresses and aprons. 388,847; July 15; Serial No. 437,218; published May 6, 1941. Class 39.

Raleigh Haberdasher, Washington, D. C. Men's summer suits. 388,926; July 15; Serial No. 441,446; published May 6, 1941. Class 39.

Rath Manufacturing Company, The, to Julius Halpern, doing business as Imperial Products Co., Philadelphia, Pa., successor. Soaps and cleansers. 142,721; renewed May 17, 1941.

Ray Oil Burner Co., San Francisco, Calif. Oil burners. 388,848; July 15; Serial No. 438,452; published May 6, 1941. Class 34.

Reis, Robert, & Co., New York, N. Y. Knitted and textile underwear and hosiery. 148,229; renewed Nov. 8, 1941.

Reliance Manufacturing Company. (See Alperin, Strauss & Co., assignor.)

Rosenholz, J., Inc., New York, N. Y. Piece goods. 388,919; July 15; Serial No. 441,182; published May 6, 1941. Class 42.

Russell Electric Company, Chicago, Ill. Fans and fan air circulators. 388,883; July 15; Serial No. 440,427; published May 6, 1941. Class 34.

Saab, Anna, New York, N. Y. Women's, misses', and children's underwear. 388,928; July 15; Serial No. 441,488; published May 6, 1941. Class 39.

Saco-Lowell Shops, Boston, Mass. Textile machinery and parts, thereof. 388,880; July 15; Serial No. 440,293; published May 6, 1941. Class 23.

St. Louis Insecticide and Specialty Co., assignor, by mesne assignments, to St. Louis Insecticide Company, St. Louis, Mo. Insecticides. 148,540–1; renewed Nov. 15, 1941.

San Antonio Drug Company, San Antonio, Tex. Medicinal, chemical, and pharmaceutical preparations. 148,250; renewed Nov. 8, 1941.

Santa Ana Tustin Mutual Citrus Assn., Tustin, Calif. Citrus fruit. 388,870; July 15; Serial No. 440,060; published May 6, 1941. Class 46.

Saukville Canning Co., Milwaukee and Saukville, Wis. Canned vegetables. 388,904; July 15; Serial No. 440,882; published May 6, 1941. Class 46.

Saylor's, Miss, Chocolates, Inc., Alameda, Calif. Candy. 147,158; renewed Oct. 4, 1941.

Scher & Feldman. (See Feldman, Joseph.)

Scholts, Wm. G., Los Angeles, Calif. Bread, cookies, cakes, etc. 388,831; July 15; Serial No. 427,722; published May 6, 1941. Class 46.

Schweppes, Limited, assignor to Schweppes (Colonial & Foreign) Limited, London, England. Mineral waters. 143,741; renewed June 7, 1941.

Schweppes, Limited, assignor to Schweppes (Colonial & Foreign) Limited, London, England. Mineral waters. 144,921; renewed July 19, 1941.

Sears, Roebuck and Co., Chicago, Ill. Cotton piece goods. 143,742; renewed June 7, 1941.

Sears, Roebuck and Co., Chicago, Ill. Sweater-coats. 143,743; renewed June 7, 1941.

Sears, Roebuck and Co., Chicago, Ill. Cotton batiste in the piece. 144,052; renewed June 21, 1941.

Seymour Packing Company, Topeka, Kans. Poultry mash feed, and mixed poultry feeds, etc. 388,838; July 15; Serial No. 432,159; published May 6, 1941. Class 46.

Shott Manufacturing Company, The, Cincinnati, Ohio. Outdoor furniture. 388,920; July 15; Serial No. 441,260; published May 6, 1941. Class 32.

Siegel, Jacob, Company, Philadelphia, Pa. Men's overcoats. 388,867; July 15; Serial No. 439,841; published May 6, 1941. Class 39.

Smooth-On Manufacturing Company, Jersey City, N. J. Substances chiefly composed of comminuted iron in powder and plastic form for certain purposes. 148,534; renewed Nov. 15, 1941.

Société Anonyme des Anciens Etablissements Sabatier Père et Fils, assignor to Société Anonyme France-Exportation, Thiers, France. Certain knives and carving sets, scissors, razors, and pruning-shears. 142,138; renewed May 3, 1941

Société des Usines Chimiques Rhone-Poulenc. (See Les Etablissements Poulenc Frères Société Anonyme.)

Spaulding Bakeries, Inc., Binghamton, N. Y. Bakery products. 388,827; July 15; Serial No. 416,659; published May 6, 1941. Class 46.

Spink, Charles C., & Son. (See Sporting News Publishing Company.)

Spir-It, Inc., Malden, Mass. Non-metallic spoons. 388,872; July 15; Serial No. 440,102; published May 6, 1941. Class 23.

Sporting News Publishing Company, The, doing business as Charles C. Spink & Son, St. Louis, Mo. Newspaper column. 388,908; July 15; Serial No. 441,000; published May 6, 1941. Class 38.

Stearns, Frederick, & Co., Detroit, Mich. Medicines. 146,144; renewed Aug. 30, 1941.

Stearns, Frederick, & Co., Detroit, Mich. Perfumes, toilet waters, and face-powders. 146,145; renewed Aug. 30, 1941.

Stein-Hall Manufacturing Company, Chicago, Ill. Wheat endosperm. 388,873; July 15; Serial No. 440,137; published May 6, 1941. Class 46.

Stemmler, Theodore W., deceased, New York, N. Y.; Paris, France; and London, England, to Lorraine B. Stemmler, executrix of the estate of Theodore W. Stemmler, New York, N. Y. Sardines, chocolate, preserves, and mushrooms. 19,438; re-renewed May 5, 1941.

Step, Walter G., doing business as Granite Beverage Co., New York, N. Y. Maltless beverage. 388,864; July 15; Serial No. 439,732; published May 6, 1941. Class 45.

Stevens & Company, Inc., Providence, R. I., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings and parts thereof. 148,271; renewed Nov. 8, 1941.

Stewart, Howard D., New York, N. Y. Magazine published monthly. 388,868; July 15; Serial No. 439,910; published May 6, 1941. Class 38.

Swank, Inc., Attleboro, Mass. Jewelry. 388,932; July 15; Serial No. 441,554; published Apr. 29, 1941. Class 28.

Sweet, Ambrose S., Elmira, assignor, by mesne assignments, to Foster-Milburn Company, Buffalo, N. Y. A cooling, soothing, antiseptic preparation for external use. 148,277; renewed Nov. 8, 1941.

Time, Incorporated, New York, N. Y. Weekly magazine. 388,909; July 15; Serial No. 441,003; published May 6, 1941. Class 38.

Tom Thumb Shops, Inc., Washington, D. C. Sandwiches. 388,830; July 15; Serial No. 426,717; published May 6, 1941. Class 46.

Tomalene Manufacturing Company, Lock Haven, Pa. Saponaceous cleanser. 388,839; July 15; Serial No. 432,904; published May 6, 1941. Class 4.

Tong, George C., doing business as Veg-O-Sea Products, St. Louis, Mo. Dehydrated edible sea vegetables and dehydrated uncooked vegetables. 388,850; July 15; Serial No. 438,912; published May 6, 1941. Class 46.

Towne Talk Company, Los Angeles, Calif. Syrups, extracts, and flavors for making beverages. 388,924; July 15; Serial No. 441,419; published May 6, 1941. Class 45.

United Co-Operatives, Inc., Indianapolis, Ind. Binder twine. 388,833; July 15; Serial No. 429,015; published May 6, 1941. Class 7.

Universal Milking Machine Company, The, Columbus, Ohio, assignor to The Universal Milking Machine Company, Waukesha, Wis. Milking-machines, including parts and appurtenances thereof. 147,709; renewed Oct. 25, 1941.

Vandam, Albert H., Co., Inc., New York, N. Y. Cotton piece goods. 388,923; July 15; Serial No. 441,336; published May 6, 1941. Class 42.

Veg-O-Sea Products. (See Tong, George C.)

Waldes & Co., Prague, Bohemia, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Notions, such as garment-fasteners, pins, etc. 147,427; renewed Oct. 11, 1941.

Waldes & Co., Inc., as assignee of Waldes & Co., Prague, Bohemia, assignor, by mesne assignments, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Certain named notions. 148,304; renewed Nov. 8, 1941.

Walker, Harry S., and W. Zaisser, New York, N. Y. Pulverized asphalt. 388,952; July 15. Class 12.

Walker, Hiram, & Sons, Inc. (See Kraus Bros. & Co. Inc., assignor.)

Waxide Paper Company, Kansas City, Mo. Wax-paper. 148,306; renewed Nov. 8, 1941.

Wean Engineering Company, Inc., The, Warren, Ohio. Galvanizing machines. 388,942; July 15. Class 23.

Welt & Sons Paper Company, Detroit, Mich. Asphalt and paper sheet material. 388,953; July 15. Class 12.

Westfeldt Brothers, New Orleans, La. Coffee. 388,906; July 15; Serial No. 440,969; published May 6, 1941. Class 46.

White & Wyckoff Mfg. Co., Holyoke, Mass. Greeting cards. 388,912; July 15; Serial No. 441,066; published May 6, 1941. Class 38.

Wiedlich Sterling Spoon Co., Bridgeport, Conn. Silverware. 388,852; July 15; Serial No. 439,061; published Apr. 29, 1941. Class 28.

Wolfe, Lem W., Setauket, N. Y. Computing tool for laying out points on pipes for the purpose of cutting the pipes at desired angles. 388,947; July 15. Class 26.

Women's Wear Company, New York, N. Y. Title for a news column. 388,955; July 15. Class 38.

Yonan-Malek, M., doing business as California Rice Products Company, San Francisco, Calif. Canned cooked rice. 388,885; July 15; Serial No. 440,482; published Apr. 29, 1941. Class 46.

Young, James H., Alameda, Calif. Editorials appearing in a daily newspaper. 388,886–7; July 15; Serial Nos. 440,483–4; published May 6, 1941. Class 38.

Zaisser, William. (See Walker, H. S.)

Ziff-Davis Publishing Company, Chicago, Ill. Periodical. 388,950; July 15. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Cups and containers, Paper. Lily-Tulip Cup Corporation. 388,843; July 15; Serial No. 435,212; published Jan. 7, 1941.

CLASS 3

Luggage, Hand. Oshkosh Trunks and Luggage. 388,889; July 15; Serial No. 440,519; published May 6, 1941.

CLASS 4

Cleanser, Saponaceous. Tomalene Manufacturing Company. 388,839; July 15; Serial No. 432,904; published May 6, 1941.
Dust layer oil and preservative. Huntington Laboratories, Inc. 388,900; July 15; Serial No. 436,804; published May 6, 1941.
Soap and preparation in the nature of soap. Kwix Company. 147,346; renewed Oct. 11, 1941.
Soap, Granulated hand. Anderson Company. 388,913; July 15; Serial No. 441,073; published May 6, 1941.
Soap, Granulated hand. Anderson Company. 388,914; July 15; Serial No. 441,076; published May 6, 1941.
Soaps and cleansers. Rath Manufacturing Company. 142,721; renewed May 17, 1941.
Soaps, cleaning, scouring, and polishing wads, pads, etc. Brillo Manufacturing Company. 388,829; July 15; Serial No. 423,289; published May 6, 1941.

CLASS 6

Chemical preparation. New Jersey Zinc Company. 148,184; renewed Nov. 8, 1941.
Color coating material for hair, skin, nails, and lips. Cosmo-Q Corporation. 388,940; July 15.
Cooling, soothing, antiseptic preparation. A. S. Sweet. 148,277; renewed Nov. 8, 1941.
Insecticides. St. Louis Insecticide and Specialty Co. 148,540–1; renewed Nov. 15, 1941.
Liniment. Estella Baldwin. 142,927; renewed May 24, 1941.
Material for chill-proofing and stabilizing beverages. American Tansul Company. 147,748; renewed Nov. 1, 1941.
Medicinal, chemical, and pharmaceutical preparations. San Antonio Drug Company. 148,250; renewed Nov. 8, 1941.
Medicinal preparation. Hubbard & Busch. 388,948; July 15.
Medicinal preparation. Les Etablissements Poulenc Frères Société Anonyme. 143,386; renewed May 31, 1941.
Medicines. Frederick Stearns & Co. 146,144; renewed Aug. 30, 1941.
Perfumes, toilet waters, and face-powders. Frederick Stearns & Co. 146,145; renewed Aug. 30, 1941.
Pill. Carter Medicine Company. 20,383; re-renewed Nov. 17, 1941.
Preparation for arthritis. Matilda Mueller. 388,957; July 15.
Toilet preparations. H. Gabilla. 148,033; renewed Nov. 8, 1941.

CLASS 7

Twine, Binder. United Co-Operatives, Inc. 388,833; July 15; Serial No. 429,015; published May 6, 1941.

CLASS 9

Pistols, Automatic. Colt's Patent Fire Arms Manufacturing Company. 388,937–8; July 15.

CLASS 11

Zinc oxide used in the manufacture of inks. New Jersey Zinc Company. 148,183; renewed Nov. 8, 1941.

CLASS 12

Asphalt and paper sheet material. Welt & Sons Paper Company. 388,953; July 15.
Building unit. C. A. Meade. 388,896; July 15; Serial No. 440,632; published May 6, 1941.
Cement, Building. Calcibrite Corporation. 388,879; July 15; Serial No. 440,280; published May 6, 1941.
Glazing, roofing, and calking, etc. Quality Brands Company. 143,435; renewed May 31, 1941.
Gratings, steps, walkways, etc., Ventilator. Kerlow Steel Flooring Company. 388,875; July 15; Serial No. 440,167; published May 6, 1941.
Metal articles, Non-skid. Eastern Malleable Iron Company. 388,897; July 15; Serial No. 440,682; published May 6, 1941.
Pulverized asphalt. H. S. Walker and W. Zaisser. 388,952; July 15.
Roofs for storage tanks, Metal. Graver Tank & Mfg. Co. 388,939; July 15.
Surface finishing materials for cement, stone, or mastic floor coverings. Brantford Roofing Company. 388,863; July 15; Serial No. 439,686; published May 6, 1941.

CLASS 13

Tanks, Septic. Hygiene Products Company. 388,856; July 15; Serial No. 439,510; published Apr. 15, 1941.

CLASS 14

Lead in pigs or blocks, antimonial lead. International Smelting and Refining Company. 388,930; July 15; Serial No. 441,512; published May 6, 1941.
Steel bars. Arthur Balfour Steel Co. 147,911; renewed Nov. 8, 1941.
Substances chiefly composed of comminuted iron in powder and plastic form. Smooth-On Manufacturing Company. 148,534; renewed Nov. 15, 1941.
Zinc in certain forms. New Jersey Zinc Company. 148,185; renewed Nov. 8, 1941.

CLASS 15

Gasoline. Pathfinder Petroleum Company. 388,859; July 15; Serial No. 439,626; published May 6, 1941.
Gasoline. Pathfinder Petroleum Company. 388,860–1; July 15; Serial Nos. 439,628–9; published May 6, 1941.

CLASS 16

Metal used as paint ingredient, Flaked disintegrated. Metals Disintegrating Company. 388,934–5; July 15; Serial Nos. 441,617–8; published May 6, 1941.
Paint-pigments, zinc oxide, leaded zinc oxide, etc. New Jersey Zinc Company. 148,182; renewed Nov. 8, 1941.
Paints, colored varnishes, polishing-oil, etc., Ready-mixed. E. J. Murphy Co., Inc. 142,627; renewed May 17, 1941.
Paints, Ready-mixed. American Asphalt Roof Corporation. 147,069; renewed Oct. 4, 1941.
Paints, Water color. Milton Bradley Company. 388,832; July 15; Serial No. 428,981; published Aug. 20, 1940.
Solvent of petroleum origin for use in paint, etc., Liquid. American Mineral Spirits Company. 388,915; July 15; Serial No. 441,119; published May 6, 1941.

CLASS 19

Wheels particularly independently rotatable dual wheels, Vehicle. Differential Wheel Corporation. 388,826; July 15; Serial No. 416,372; published May 6, 1941.

CLASS 21

Plugs and sockets, Electrical. A. L. Kuhlman. 388,877; July 15; Serial No. 440,255; published May 6, 1941.
Rubber-covered wire for electrical purposes. A A Wire Co. 143,226; renewed May 24, 1941.
Saws, Hand portable electric. Black and Decker Manufacturing Company. 388,943; July 15.
Wire and cable, Insulated electrical. Anaconda Wire & Cable Company. 388,853; July 15; Serial No. 439,149; published May 6, 1941.

CLASS 22

Game, Table. Milton Bradley Company. 388,933; July 15; Serial No. 441,603; published May 6, 1941.
Toy balloons. Eagle Rubber Co. 144,235; renewed June 28, 1941.
Toys, Interfitting construction. Insel Company. 388,929; July 15; Serial No. 441,511; published May 6, 1941.
Toys, Wooden. Milton Bradley Company. 388,910; July 15; Serial No. 441,045; published May 6, 1941.

CLASS 23

Galvanizing machines. Wean Engineering Company. 388,942; July 15.
Knives and carving sets, scissors, etc. Société Anonyme des Anciens Etablissements Sabatier Père et Fils. 142,138; renewed May 3, 1941.
Knives, hunting knives, and kitchen knives, Pocket. Adolph Kastor & Bros., Inc. 388,876; July 15; Serial No. 440,253; published May 6, 1941.
Milking-machines and parts thereof, teat-cups, receivers, etc. Universal Milking Machine Company. 147,709; renewed Oct. 25, 1941.
Replacement units for oil refining devices for diesel engines. Luber-Finer, Inc. 388,837; July 15; Serial No. 430,785; published May 6, 1941.
Saw blades, Hack. E. C. Atkins and Company. 388,869; July 15; Serial No. 439,984; published May 6, 1941.
Spoons, Non-metallic. Spir-It, Inc. 388,872; July 15; Serial No. 440,102; published May 6, 1941.
Textile machinery and parts thereof. Saco-Lowell Shops 388,880; July 15; Serial No. 440,293; published May 6, 1941.
Wire tying, wire straightening machines, and wire holders, etc. Gerrard Company. 388,951; July 15.

CLASS 24

Hydro extractors as centrifugal laundry extractors. Prosperity Company. 388,840; July 15; Serial No. 434,249; published May 6, 1941.

Ironing machines. Easy Washing Machine Corporation. 388,836; July 15; Serial No. 429,937; published June 11, 1940.

CLASS 26

Computing tool. L. W. Wolfe. 388,947; July 15.
Ophthalmic mountings and parts thereof. Stevens & Company, Inc. 148,271; renewed Nov. 8, 1941.
Valves. Estate Stove Company. 147,598; renewed Oct. 25, 1941.

CLASS 28

Bracelets, Watch. Jacoby-Bender, Inc. 388,925; July 15; Serial No. 441,436; published Apr. 29, 1941.
Chains for personal adornment. Forstner Chain Corporation. 144,394; renewed July 5, 1941.
Jewelry. Swank, Inc. 388,952; July 15; Serial No. 441,554; published Apr. 29, 1941.
Silverware. Wiedlich Sterling Spoon Co. 388,852; July 15; Serial No. 439,061; published Apr. 29, 1941.

CLASS 30

Pottery cooking and table ware. National Silver Company. 388,855; July 15; Serial No. 439,394; published May 6, 1941.

CLASS 32

Chairs, stools, settees, etc., Rustic. Old Hickory Chair Company. 147,363; renewed Oct. 11, 1941.
Consoles. Cavalier Corporation. 388,916; July 15; Serial No. 441,124; published May 6, 1941.
Consoles. Cavalier Corporation. 377,917; July 15; Serial No. 441,126; published May 6, 1941.
Furniture, Outdoor. Shott Manufacturing Company. 388,920; July 15; Serial No. 441,260; published May 6, 1941.

CLASS 34

Air conditioners, Unit. Frick Company. 388,874; July 15; Serial No. 440,158; published May 6, 1941.
Burners, Oil. Ray Oil Burner Co. 388,848; July 15; Serial No. 438,452; published May 6, 1941.
Fans and fan air circulators. Russell Electric Company. 388,883; July 15; Serial No. 440,427; published May 6, 1941.
Globes and reflectors, Glass and combination glass and metal. Miller Company. 388,898; July 15; Serial No. 440,703; published May 6, 1941.

CLASS 35

Linen, cotton, and other fabric belts. Endless Belt Corporation. 145,352; renewed Aug. 2, 1941.
Linen, cotton, and other fabric endless belts. Endless Belt Corporation. 144,385–6; renewed July 5, 1941.

CLASS 36

Recording blanks, Instantaneous sound. Audio Devices, Inc. 388,865; July 15; Serial No. 439,792; published May 6, 1941.
Recording blanks, Instantaneous sound. Audio Devices, Inc. 388,866; July 15; Serial No. 439,794; published May 6, 1941.
Violins, violas, cellos, etc. Metropolitan Music Co. 388,849; July 15; Serial No. 438,488; published May 6, 1941.

CLASS 37

Envelopes and pocket labels. Gaw-O'Hara Envelope Co. 388,945; July 15.
Paper, Tissue. Robert Fletcher & Son. 20,232; renewed Oct. 20, 1941.
Pencils. Joseph Dixon Crucible Company. 147,992; renewed Nov. 8, 1941.
Wax-paper. Waxide Paper Company. 148,306; renewed Nov. 8, 1941.

CLASS 38

Cards, Greeting. White & Wyckoff Mfg. Co. 388,912; July 15; Serial No. 441,066; published May 6, 1941.
Cartoon series. King Features Syndicate, Inc. 388,949; July 15.
Certificates, Trading. S. A. Phillips. 388,902; July 15; Serial No. 440,831; published May 6, 1941.
Column, Newspaper. Sporting News Publishing Company. 388,908; July 15; Serial No. 441,000; published May 6, 1941.
Comic strip. Buckeye Brewing Company. 388,922; July 15; Serial No. 441,278; published May 6, 1941.
Coupons. H. Henry. 388,845; July 15; Serial No. 436,511; published May 6, 1941.
Directory, Buyers' guide classified telephone. Independent Directoory Corp. 388,892; July 15; Serial No. 440,595; published May 6, 1941.
Editorials appearing in a daily newspaper. J. H. Young. 388,886–7; July 15; Serial Nos. 440,483–4; published May 6, 1941.
Labels and tags, Woven and printed. Craftex Woven Label Co. 388,954; July 15.
Magazine. Fox Publications, Inc. 388,842; July 15; Serial No. 434,717; published Nov. 12, 1940.
Magazine. H. D. Stewart. 388,868; July 15; Serial No. 439,910; published May 6, 1941.
Magazine, Weekly. Time, Incorporated. 388,909; July 15; Serial No. 441,003; published May 6, 1941.
Newspaper features, Series of. Associated Press. 388,941; July 15.
Periodical. Ziff-Davis Publishing Company. 388,950; July 15.
Periodical, Annual. Metal Industry Publisihng Company. 388,944; July 15.
Printed books and other printed publications. International Correspondence Schools. 388,846; July 15; Serial No. 436,570; published Apr. 29, 1941.
Telephone-directories. R. H. Donnelly Corporation. 148,232; renewed Nov. 8, 1941.
Title for a news column. Women's Wear Company. 388,955; July 15.

CLASS 39

Clothing. Commercial Trading Co. 146,712–15; renewed Sept. 20, 1941.
Clothing. Harvey Brothers. 388,903; July 15; Serial No. 440,859; published May 6, 1941.
Coats. J. Feldman. 388,841; July 15; Serial No. 434,398; published May 6, 1941.
Dress, negligee, and work shirts, pajamas, etc. Alperin, Strauss & Co. 140,727; renewed Mar. 29, 1941.
Dress, negligee, and work shirts, pajamas, etc. Alperin, Strauss & Co. 141,072; renewed Apr. 12, 1941.
Dresses and aprons. Kathleen Quinn Garment Company. 388,847; July 15; Serial No. 437,218; published May 6, 1941.
Dresses and dress ensembles. David Crystal, Inc. 388,905; July 15; Serial No. 440,918; published May 6, 1941.
Dresses, skirts, coats, etc. Joseph Levay, Inc. 388,911; July 15; Serial No. 441,054; published May 6, 1941.
Handkerchiefs. Cluett, Peabody & Co. 147,966; renewed Nov. 8, 1941.
Hosiery. Interwoven Stocking Company. 388,893–4; July 15; Serial Nos. 440,597–8; published May 6, 1941.
Knitted and textile underwear and hosiery. R. Reis & Co. 148,229; renewed Nov. 8, 1941.
Overcoats. Jacob Siegel Company. 388,867; July 15; Serial No. 439,841; published May 6, 1941.
Pajamas and sleeping garments. Fort Schuyler Knitting Company. 388,882; July 15; Serial No. 440,370; published May 6, 1941.
Skirts. Madison Sportswear, Inc. 388,888; July 15; Serial No. 440,517; published May 6, 1941.
Sleeping-garments. Oppenheim, Oberndorf & Co. Inc. 143,702–3; renewed June 7, 1941.
Sportswear. Midwest Knit Goods Company. 388,884; July 15; Serial No. 440,467; published May 6, 1941.
Suits. Raleigh Haberdasher. 388,926; July 15; Serial No. 441,446; published May 6, 1941.
Suits and overcoats. Baker Clothes, Inc. 388,844; July 15; Serial No. 435,233; published May 6, 1941.
Suits, coats, overcoats, etc. Hart, Schaffner & Marx. 388,931; July 15; Serial No. 441,537; published May 6, 1941.
Sweater-coats. Sears, Roebuck and Co. 143,743; renewed June 7, 1941.
Swimsuits, playsuits, etc. Lee Knitwear Corp. 388,857; July 15; Serial No. 439,547; published May 6, 1941.
Underwear. A. Saab. 388,928; July 15; Serial No. 441,488; published May 6, 1941.

CLASS 40

Certain named notions. Waldes & Co. 148,304; renewed Nov. 8, 1941.
Notions. Waldes & Co. 147,427; renewed Oct. 11, 1941.

CLASS 42

Cotton batiste. Sears, Roebuck and Co. 144,052; renewed June 21, 1941.
Cotton bed-blankets. Esmond Mills. 148,012; renewed Nov. 9, 1941.
Cotton goods in the piece. Hudson & Boas. 142,575; renewed May 17, 1941.
Fabrics in the piece. Mount Hope Finishing Company. 388,835; July 15; Serial No. 429,712; published May 6, 1941.
Piece goods. M. Lowenstein & Sons, Inc. 388,956; July 15.
Piece goods. J. Rosenholz, Inc. 388,919; July 15; Serial No. 441,182; published May 6, 1941.
Piece goods. Sears, Roebuck and Co. 143,742; renewed June 7, 1941.
Piece goods and blankets. North Billerica Co. 147,658; renewed Oct. 25, 1941.
Piece goods, Cotton. Albert H. Vandam Co. 388,923; July 15; Serial No. 441,336; published May 6, 1941.
Piece goods, Cotton and/or rayon. Aleo Mills, Inc. 388,907; July 15; Serial No. 440,974; published May 6, 1941.
Piece goods, Woven, quilted, knit. A. Kaplan. 388,834; July 15; Serial No. 429,056; published Nov. 19, 1940.
Towels, Fabric. Cannon Mfg. Co. 147,948; renewed Nov. 8, 1941.

CLASS 43

Threads and yarns. J. E. Barbour Company. 142,233–4; renewed May 10, 1941.
Yarns, threads, and yarn and thread filaments. American Viscose Corporation. 388,921; July 15; Serial No. 441,273; published May 6, 1941.

CLASS 44

Dental impression material. J. F. Jelenko & Co. Inc. 388,927; July 15; Serial No. 441,473; published May 6, 1941.

CLASS 45

Beverage, Maltless. W. G. Sten. 388,864; July 15; Serial No. 439,732; published May 6, 1941.
Beverages and syrups for making the same, Maltless. Limpret Bros., Inc. 388,895; July 15; Serial No. 440,828; published May 6, 1941.
Mineral waters. Schweppes, Limited. 143,741; renewed June 7, 1941.
Mineral waters. Schweppes, Limited. 144,921; renewed July 19, 1941.
Spring-water, carbonated water, distilled water, and non-alcoholic beverages and syrups for making the same. Boonville Mineral Spring Company. 135,919; renewed Oct. 26, 1940.
Syrups, extracts, and flavors for making beverages. Towne Talk Company. 388,924; July 15; Serial No. 441,419; published May 6, 1941.

CLASS 46

Bakery products. Spaulding Bakeries, Inc. 388,827; July 15; Serial No. 416,659; published May 6, 1941.
Bouillon cubes, vegetable and beef extracts. Pure Food Factory "Hansa." 148,515; renewed Nov. 15, 1941.
Bread, cookies, cakes, etc. Wm. G. Scholts. 388,831; July 15; Serial No. 427,722; published May 6, 1941.
Candy. Miss Saylor's Chocolates, Inc. 147,158; renewed Oct. 4, 1941.
Canned cooked rice. M. Yonan-Malek. 388,885; July 15; Serial No. 440,482; published Apr. 29, 1941.
Canned, fresh, and dried fruits. Garcia & Maggini Co. 142,542; renewed May 17, 1941.
Canned sardines. Booth Fisheries Sardine Corporation. 142,938; renewed May 24, 1941.
Canned vegetables. Saukville Canning Co. 388,904; July 15; Serial No. 440,882; published May 6, 1941.
Cheese. Lemann & Cie. 145,399; renewed Aug. 2, 1941.
Chocolate powder. Freeda Agar Products. 388,871; July 15; Serial No. 440,088; published May 6, 1941.
Coffee. Westfeldt Brothers. 388,906; July 15; Serial No. 440,969; published May 6, 1941.
Eggs. C. Ahlers. 145,926; renewed Aug. 23, 1941.
Feed and mixed poultry feeds, etc. Poultry mash. Seymour Packing Company. 388,838; July 15; Serial No. 432,159; published May 6, 1941.
Feed ingredient. Pratt Food Company. 388,862; July 15; Serial No. 439,664; published May 6, 1941.
Flour, breadstuffs, waffle mix, etc. Pillsbury Flour Mills Company. 388,878; July 15; Serial No. 440,264; published May 6, 1941.
Fruit, Citrus. Santa Ana Tustin Mutual Citrus Assn. 388,870; July 15; Serial No. 440,060; published May 6, 1941.
Fruit fillings, mince-meat, apple and corn-syrup jelly, etc. Goldmeyer, Thiel & Arnold. 143,622; renewed June 7, 1941.
Fruits and citrus fruit juices, Citrus. Dr. Pomelo Company. 388,881; July 15; Serial No. 440,341; published May 6, 1941.
Fruits, Citrus. Hemet Mutual Groves. 388,891; July 15; Serial No. 440,554; published May 6, 1941.
Mayonnaise, catsup, food oils, etc. Escoffier Limited. 146,733; renewed Sept. 20, 1941.
Mayonnaise, mince-meat, and salted peanuts. Heintz, Merkle & Company. 147,621; renewed Oct. 25, 1941.
Milk and milk products. Capitol Milk Bars Corp. 388,828; July 15; Serial No. 422,984; published May 6, 1941.
Olives, Canned. C. E. Hazen. 388,918; July 15; Serial No. 441,135; published May 6, 1941.
Peanuts, Salted. Dwinnell-Wright Company. 388,899; July 15; Serial No. 440,745; published May 6, 1941.
Sandwiches. Tom Thumb Shops, Inc. 388,830; July 15; Serial No. 426,717; published May 6, 1941.
Sardines, chocolate, preserves, and mushrooms. T. W. Stemmler. 19,438; re-renewed May 5, 1941.
Shortening, Compound. Glidden Company. 388,851; July 15; Serial No. 439,045; published May 6, 1941.
Shortening, Vegetable. Cosmos Packing Company. 388,858; July 15; Serial No. 439,616; published May 6, 1941.
Vegetables and dehydrated uncooked vegetables, Dehydrated edible. G. C. Tong. 388,850; July 15; Serial No. 438,912; published May 6, 1941.
Vegetables and melons, Fresh. McDaniel & Sons, Inc. 388,946; July 15.
Wheat and corn products. Dahnke-Walker Milling Co. 143,580; renewed June 7, 1941.
Wheat endosperm. Stein-Hall Manufacturing Company. 388,873; July 15; Serial No. 440,137; published May 6, 1941.

CLASS 47

Wines. Leroux and Company. 388,901; July 15; Serial No. 440,822; published May 6, 1941.

CLASS 48

Beer. Joseph Hensler Brewing Company. 388,890; July 15; Serial No. 440,553; published May 6, 1941.
Compound for the chillproofing of beer and ales. Brewers Scientific Laboratories, Inc. 388,936; July 15; Serial No. 441,693; published May 6, 1941.

CLASS 49

Whiskey. Denebeim Distilling Co. 388,854; July 15; Serial No. 439,249; published May 6, 1941.
Whiskey. Kraus Bros. & Co. Inc. 388,825; July 15; Serial No. 394,375; published Nov. 22, 1938.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anderson, Harry O., assignor to Norton Company, Worcester, Mass. Flexible coated abrasive product. Re. 21,852; July 15.
Atkinson, Ralph W., Westfield, N. J., assignor to General Cable Corporation, New York, N. Y. Method and apparatus for measuring eccentricity in tubular conductors. Re. 21,853; July 15.
Bassick Company, The. (See Herold, Walter F., assignor.)
Carson, Ralph B., Toronto, Ontario, Canada, assignor to General Electric Company. Transformer tap changing circuit. Re. 21,854; July 15.
Draper Corporation. (See Lindsjo, Verner, assignor.)
Fleck, Otto, Botha, Alberta, Canada. Plow attachment. Re. 21,855; July 15.
General Cable Corporation. (See Atkinson, Ralph W., assignor.)
General Electric Company. (See Carson, Ralph B., assignor.)
Grant, Harry C., Jr., New York, N. Y. Sound recording and reproducing apparatus. Re. 21,856; July 15.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Chair iron. Re. 21,857; July 15.
Lindsjo, Verner, Stockholm, Sweden, assignor to Draper Corporation, Hopedale, Mass. Loom dobby. Re. 21,858; July 15, 1941.
Norton Company. (See Anderson, Harry O., assignor.)
Schweitzer & Conrad, Inc. (See Triplett, Hugh A., assignor.)
Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Method of and means for automatically opening and reclosing circuit. Re. 21,859; July 15.

LIST OF DESIGN PATENTEES

Abbott, Charles C., assignor to Charles Cushman Company, Auburn, Maine. Combined sole and heel. 128,249; July 15.
Armstrong Cork Company. (See Schlitzer, Victor J., assignor.)
Bailey, Perkins H., New York, N. Y. Dress. 128,323; July 15.
Baldwin Company, The. (See Day, Wilbur M.)
Berry, Helen, New York, N. Y. Dress ensemble. 128,338; July 15.
Bloom, Samuel, New York, N. Y. Dress. 128,339; July 15.
Bolek, Frank J. (See Devaney, John L., assignor.)
Boucher, Marcel, New York, N. Y. Pin or similar article. 128,324; July 15.
Brandstein, Samuel J., Brooklyn, N. Y. Curtain hook. 128,250; July 15.
Braun, Jerome. (See Corwin, S., and Braun.)
Brodton, Lynn, Collingswood, N. J. Flash light, or similar article. 128,274; July 15.
Brodton, Lynn, Collingswood, N. J. Flash light, or similar article. 128,275; July 15.
Butler, Edgar M., New Orleans, La. Electrolytic water correction device. 128,276; July 15.
Butler, Edgar M., New Orleans, La. Electrolytic water correction device. 128,277; July 15.
Butler, Edgar M., New Orleans, La. Electrolytic water correction device. 128,278; July 15.
Caldwell, John B., Buffalo, N. Y. Over-bed table. 128,279; July 15.
Campbell, Willard S., Hampshire, assignor, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill. Rotary can washer. 128,280; July 15.
Carlson, Drexel T., assignor to C. E. Hovey, Kansas City, Mo. Bottle holder. 128,293; July 15.
Case, Harold W., Dayton, Ohio. Airplane. 128,330; July 15.
Cayer, Theodore E., Taunton, Mass. Spoon or similar article. 128,313; July 15.
Chernow, Michael, New York, N. Y. Tie clasp. 128,251; July 15.
Cherry-Burrell Corporation. (See Campbell, Willard S., assignor.)
Cohen, William B., assignor to Stuart Products, Inc., St. Paul, Minn. Display unit, for perfume, sachet, or the like. 128,294; July 15.
Conley, Charles J. (See Gelinas, R. J., and Conley.)
Corwin, Sydney, and J. Braun, New York, N. Y. Holder for perfume bottles or the like. 128,295; July 15.
Cushman, Charles, Company. (See Abbott, Charles C., assignor.)
Cutler, Elizabeth, New York, N. Y. Dress. 128,308; July 15.
Cutler, Elizabeth, New York, N. Y. Dress. 128,309; July 15.
Cutler, Elizabeth, New York, N. Y. Dress. 128,310; July 15.
Cutler, Elizabeth, New York, N. Y. Dress. 128,311; July 15.
Cutler, Elizabeth, New York, N. Y. Dress. 128,312; July 15.
Davala, John J., Passaic, N. J. Game board. 128,252; July 15.
Day, Wilbur M., Norwood, assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 128,240; July 15.
Deschauer, Fred E., Lake Zurich, Ill. Combination display rack and stock cabinet. 128,241; July 15.
Devaney, John L., Oak Park, assignor to F. J. Bolek, Chicago, Ill. Adjustable hosiery blocker and drier. 128,253; July 15.
Dick, Samuel H., Brooklyn, N. Y. Fur scarf or similar article. 128,325; July 15.
Dolphin, William, Chicago, Ill. Cup. 128,242; July 15.
Dunn, Warren. (See Torbeck, E. H., and Dunn.)
Ehrlich, Maximilian. (See Fischer, J. P., and Ehrlich.)
Eisenstadt Manufacturing Company. (See Rudde, Rose M., assignor.)
Ellis, Ernest M., Portland, Oreg. Building. 128,296; July 15.
Fischer, Jack P., Scarsdale, and M. Ehrlich, Woodmere, N. Y. Hairwaving machine. 128,281; July 15.
Fox, Marvin, New York, N. Y. Slipper. 128,254; July 15.
Frankel, Edward, New York, N. Y. Textile fabric. 128,340; July 15.
Gelinas, Ralph J., South Weymouth, and C. J. Conley, Wellesley Hills, assignors to United Drug Company, Boston, Mass. Prescription bottle. 128,282; July 15.
Gerli, Emanuel J., New York, N. Y. Vanity case or similar article. 128,255; July 15.
Gerli, Emanuel J., New York, N. Y. Vanity case, or similar article. 128,256; July 15.
Gerli, Emanuel J., New York, N. Y. Vanity case or similar article. 128,283; July 15.
Groene, William F., and H. C. Kemper, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Feed box for lathes. 128,257; July 15.
Groene, William F., and G. W. Luning, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Feed box for lathes. 128,258; July 15.
Hallbauer, Otto, West Englewood, assignor to Stein-Tobler Co. Inc., Union City, N. J. Lace trimming or similar article. 128,243; July 15.
Hallbauer, Otto, West Englewood, assignor to Stein-Tobler Co. Inc., Union City, N. J. Lace trimming or similar article. 128,244; July 15.
Hallbauer, Otto, West Englewood, assignor to Stein-Tobler Co. Inc., Union City, N. J. Lace trimming or similar article. 128,245; July 15.
Hawkins, James E., Spokane, Wash. Game board. 128,259; July 15.
Healy, Catherine L., Attleboro, Mass. Musical bracelet. 128,297; July 15.
Hennings, Sarah P., St. Louis, Mo. Pocket attachment for ladies' handbag. 128,260; July 15.
Hermann, Winifred, Chicago, Ill. Dress ensemble. 128,341; July 15.
Hermann, Winifred, Chicago, Ill. Dress ensemble. 128,361; July 15.
Herr, Max, Chicago, Ill. Fluorescent lighting fixture. 128,284; July 15.
Herr, Max, Chicago, Ill. Fluorescent lighting fixture. 128,285; July 15.
Hobgood, Margaret, New York, N. Y. Dress ensemble. 128,342; July 15.
Houser, Lawrence L., Mishawaka, Ind. Paper clamp. 128,298; July 15.
Hovey, C. Earl. (See Carlson, Drexel T., assignor.)
Hygrade Sylvania Corporation. (See Miller, Carl F., assignor.)

Iannicelli, Linda, New York, N. Y. Dress. 128,343; July 15.
Iroquois Chican Company. (See Obert, Thomas W.)
Joy Manufacturing Company. (See Russell, John D., assignor.)
Kane, Martine, assignor to Helena Rubinstein, Inc., New York, N. Y. Combined mirror, lipstick holders, and carrying chain. 128,286; July 15.
Kasey, Hoffman, Henderson, Ky. Game table. 128,261; July 15.
Kelly, John T., Chicago, Ill. Coupling or analogous article. 128,314; July 15.
Kemper, Harry C. (See Groene, W. F., and Kemper.)
Kreisler, Jacques, Manufacturing Corporation. (See Loew, Elliott.)
Langbert, H. Thomas, New York, N. Y. Dress. 128,331; July 15.
Langbert, H. Thomas, New York, N. Y. Dress. 128,344; July 15.
Langbert, H. Thomas, New York, N. Y. Dress. 128,345; July 15.
Langbert, H. Thomas, New York, N. Y. Dress. 128,346; July 15.
Lauronen, Elmer J., Oakland, Calif. Clothes hanger for automobile windows. 128,287; July 15.
Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Kemper, assignors.)
Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Luning, assignors.)
Lewis, David, New York, N. Y. Handbag. 128,315; July 15.
Lodico, Mary, Brooklyn, N. Y. Combination memo pad and pencil holder. 128,262; July 15.
Loew, Elliott, Jamaica, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Display stand. 128,246; July 15.
Lundy, William J., assignor to Olean Glass Company, Olean, N. Y. Glass bottle. 128,299; July 15.
Luning, George W. (See Groene, W. F., and Luning.)
Marchesa, Jane, Flushing, N. Y. Dress ensemble. 128,347; July 15.
Marchino, Charles E. (See Neusbaum, C. W., and Marchino.)
Markel Electric Products, Inc. (See Ohm, Albert J. D., assignor.)
Marve, Murray, New York, N. Y. Dress ensemble. 128,348; July 15.
May, Helen, New York, N. Y. Dress. 128,349; July 15.
McDonald, John G., Newport News, Va. Flag or the like. 128,300; July 15.
Merritt, Clark C., Passaic, N. J. Tap knob. 128,247; July 15.
Miller, Carl F., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron tube or similar article. 128,301; July 15.
Mitzlaff, Adolph H. A., Omaha, Nebr. Can punch. 128,302; July 15.
Neusbaum, Charles W., and C. E. Marchino, assignors to Vincennes Packing Corporation, Vincennes, Ind. Decanter bottle. 128,303; July 15.
Niedner, George A., New York, N. Y. Woven textile fabric. 128,332; July 15.
Niedner, George A., New York, N. Y. Woven textile fabric. 128,333; July 15.
Niedner, George A., New York, N. Y. Woven textile fabric. 128,334; July 15.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or analogous article. 128,304; July 15.
Obert, Thomas W., assignor to Iroquois China Company, Syracuse, N. Y. Plate or similar article. 128,248; July 15.
Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Portable electric heater. 128,288; July 15.
Olean Glass Company. (See Lundy, William J., assignor.)
Pelkin, Maurice B., New York, N. Y. Pin or similar article. 128,350; July 15.
Ponzio, Mae, Atlantic Beach, N. Y. Dress ensemble. 128,351; July 15.
Ponzio, Mae, Atlantic Beach, N. Y. Dress. 128,352; July 15.
Price, Nathan C., Hollywood, Calif. Turbo supercharger. 128,289; July 15.
Ranney, Josephine, Chicago, Ill. Doll. 128,263; July 15.
Rauch, Albert, New York, N. Y. Coat. 128,326; July 15.
Rauch, Albert, New York, N. Y. Collar. 128,327; July 15.
Rauch, Albert, New York, N. Y. Collar. 128,328; July 15.
Richards, Julia, Brooklyn, N. Y. Dress. 128,335; July 15.
Richards, Julia, Brooklyn, N. Y. Dress. 128,353; July 15.
Richards, Julia, Brooklyn, N. Y. Dress. 128,354; July 15.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 128,290; July 15.
Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)
Rodriguez, Joseph M., Brooklyn, N. Y. Wheel supporting truck for scooter cars. 128,264; July 15.
Roffy, Joseph T., assignor of one-half to A. Rothenberg, Los Angeles, Calif. Combined water filter and faucet. 128,316; July 15.
Rothenberg, Abraham. (See Roffy, Joseph T., assignor.)
Rubinstein, Helena, Inc. (See Kane, Martine, assignor.)
Rudde, Rose M., assignor to Eisenstadt Manufacturing Company, St. Louis, Mo. Lapel button or similar article. 128,317; July 15.
Russell, John D., Sugar Creek Township, Venango County, assignor to Joy Manufacturing Company, Franklin, Pa. Loading machine. 128,291; July 15.
Saloff, Frieda B., New York, N. Y. Dress. 128,318; July 15.
Saloff, Frieda B., New York, N. Y. Dress. 128,319; July 15.
Salerno, Charles, New York, N. Y. Coat. 128,329; July 15.
Salsky, Samuel, Brooklyn, N. Y. Dress. 128,355; July 15.
Schlitzer, Victor J., Boston, Mass., assignor to Armstrong Cork Company, Lancaster, Pa. Jar or similar article. 128,305; July 15.
Schreyer, Edward P. (See Stevens, C. B., and Schreyer.)
Shaulson, Joseph, Providence, R. I. Collar holder. 128,265; July 15.
Silverman, Charles, Providence, R. I. Collar holder. 128,306; July 15.
Silverman, Charles, Providence, R. I. Collar holder. 128,307; July 15.
Simonds, Albert L., Southbridge, Mass. Lens surfacing machine. 128,292; July 15.
Smith, Kenneth, Lenaxa, Kans. Golf club handle. 128,266; July 15.
Staehle, Bruno, New York, N. Y. Dress. 128,336; July 15.
Staehle, Bruno, New York, N. Y. Dress. 128,337; July 15.
Staehle, Bruno, New York, N. Y. Dress. 128,356; July 15.
Staehle, Bruno, New York, N. Y. Dress. 128,357; July 15.
Standard Products Company, The. (See Walker, George W., assignor.)
Stein-Tobler Co. Inc. (See Hallbauer, Otto, assignor.)
Stevens, Clifford Brooks, Fox Point, and E. P. Schreyer, Milwaukee, Wis.; said Stevens assignor to said Schreyer. Pressing iron. 128,267; July 15.
Stevens, Clifford Brooks, Fox Point, and E. P. Schreyer, Milwaukee, Wis.; said Stevens assignor to said Schreyer. Pressing iron. 128,268; July 15.
Stevens, Clifford Brooks, Fox Point, and E. P. Schreyer, Milwaukee, Wis.; said Stevens assignor to said Schreyer. Pressing iron. 128,269; July 15.
Stuart Products, Inc. (See Cohen, William B., assignor.)
Torbeck, Edward H., and W. Dunn, Altamont, Ill.; said Dunn assignor to said Torbeck. Display device. 128,270; July 15.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Turcotte, Nini, New York, N. Y. House coat. 128,320; July 15.
Turner, George L., Taunton, Mass. Spoon or similar article. 128,321; July 15.
Turner, George L., Taunton, Mass. Spoon or similar article. 128,322; July 15.
United Drug Company. (See Gelinas, R. J., and Conley, assignors.)
Vincennes Packing Corporation. (See Neusbaum, C. W., and Marchino, assignors.)
Walker, George W., Pleasant Ridge, assignor to The Standard Products Company, Detroit, Mich. Clock. 128,271; July 15.
Walker, George W., Pleasant Ridge, assignor to The Standard Products Company, Detroit, Mich. Clock. 128,272; July 15.
Wener, Emmelia, Chicago, Ill. Dress ensemble. 128,358; July 15.
Wolff, Malvina, New York, N. Y. Dress ensemble. 128,359; July 15.
Wolff, Malvina, New York, N. Y. Dress ensemble. 128,360; July 15.
Zimmerman, Gerald O., Klamath Falls, Oreg. Game board. 128,273; July 15.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Walter D., assignor to Vanott Machine Corporation, Buffalo, N. Y. Buffing machine. 2,249,699; July 15.
Acme Newspictures, Inc. (See Thompson, Louis A., assignor.)
Adams, John F., assignor of one-half to W. K. Drake, Jacksonville, Fla. Thermostatic cutoff electric switch. 2,248,928; July 15.
Adkins, Bernard. (See Walker, J. H., and Adkins.)
Adler, Hans, Berlin-Haselhorst, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding timer. 2,248,929; July 15.
Agnew, Norman F., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic relay. 2,249,104; July 15.
Ainsa, Dolores C., et al. (See Ainsa, George F., assignor.)
Ainsa, George F., San Francisco, assignor of one-third to D. C. Ainsa and one-third to E. de Reynier, Berkeley, Calif. Ore reduction mill. 2,248,927; July 15.
Air Reduction Company. (See Anderson, James L., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Noack, Walter G., assignor.)
Albertson, Ernest H. (See Schwerin, C. A., and Albertson.)
Alkan, Robert, Paris, France. Directional gyroscope. 2,249,373; July 15.
Allan, John. (See Wainwright, J. A., and Allan.)
Allen, Arthur A., Bellrose, assignor to The Peele Company, Brooklyn, N. Y. Fire retardant building material. 2,249,590; July 15.
Allen, Arthur A., Bellcrose, assignor to The Peele Company, Brooklyn, N. Y. Fire door. 2,249,591; July 15.
Allen, C. T. (See Parker, Louis W., assignor.)
Allen, Clarence W., San Francisco, Calif. Boat propelling mechanism. 2,248,930; July 15.
Allen, Louis N., Jr. (See Titlestad, N., and Allen, assignors.)
Allen, W. D., Manufacturing Co. (See Faine, Phillip, assignor.)
Aluminum Company of America. (See Deutsch, Harry J., assignor.)
Aluminum Company of America. (See Fritzlen, Thomas L., assignor.)
Amalgamated Dental Co. (See Wilding, Sidney W., assignor.)
American Anode, Inc. (See Hansen, Merrill E., assignor.)
American Cyanamid & Chemical Corporation. (See Francisco, Kenneth N., assignor.)
American Cyanamid Company. (See Cook, E. W., and Thomas, assignor.)
American Cyanamid Company. (See Hechenbleikner, I., and Best, assignors.)
American Cyanamid & Chemical Corporation. (See Williamson, John B., assignor.)
American Enka Corporation. (See Sunderland, Alfred E., assignor.)
American Laundry Machinery Company, The. (See Johnson, Oscar W., assignor.)
American Locomotive Company. (See Finch, Raymond J., assignor.)
American Machine & Foundry Company. (See Naftall, Valentine, H., and R., assignors.)
American Smelting and Refining Company. (See Zischkau, Clarence, assignor.)
American Steel and Wire Company of New Jersey, The. (See Ford, F. A., and Williams, assignors.)
American Steel and Wire Company of New Jersey, The. (See Gustafson, Gustaf A., assignor.)
American Telephone and Telegraph Company. (See Anspach, Russell J., assignor.)
American Telephone and Telegraph Company. (See Hanley, Frank H., assignor.)
American Telephone and Telegraph Company. (See Martin, Wade B., assignor.)
American Telephone and Telegraph Company. (See Olson, Nels K., assignor.)
American Telephone and Telegraph Company. (See Parker, George B. and L. L., and Meehan, assignors.)
American Telephone and Telegraph Company. (See Walton, Otto H., assignor.)
Anabolic Food Products, Inc. (See Wigelsworth, Arthur E., assignor.)
Anania, James A., Newark, assignor of one-half to A. J. Gold, West Caldwell Township, and one-tenth to A. Colle, Newark, N. J. Cutting tool assembly for lathes. 2,248,931; July 15.
Anderson, Carl E., Bloomfield, N. J., and G. H. Elwell, New Haven, Conn., assignors to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,248,918; July 15.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Tube welding. 2,249,592; July 15.
Anderson, Jasper E. (See Catlett, J. T., and Anderson.)
Anderson, Lloyd L., assignor to Winters & Crampton Corporation, Grandville, Mich. Refrigerator latch. 2,249,644; July 15.
Anderson, Oscar W., and C. L. Couch, Denver, Colo. Gas burner. 2,248,932; July 15.
Anderson Products, Inc. (See Ferguson, Warren T., assignor.)
Ando, Miroshi, Tokyo-Shi, Japan. Piezoelectric conversion system. 2,249,305; July 15.
Anspach, Russell J., Westfield, N. J., assignor to American Telephone and Telegraph Company. Open telegraph alarm circuit. 2,249,103; July 15.
Apex Electrical Manufacturing Company, The, as trustee. (See Kirby, James B., assignor.)
Applegarth, John, Sr., assignor of one-third to H. K. Sterling and one-third to H. A. Sterling, Martins Ferry, Ohio. Electric switch. 2,249,645; July 15.
Appleton Supply Co. (See Gabriel, Frank E., assignor.)
Aron, Edmund, Chicago, Ill., assignor to Moto-Sway Corporation of America. Jack. 2,248,919; July 15.
Arquint, Hans. (See Kiesel, O., and Arquint.)
Ashton, Harold. (See Morton, E. A., Ashton, and Hardacre.)
Askenback, John A., Westport, Conn. Hopper feed control and signal. 2,249,372; July 15.
Aspenleiter, Joseph W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Goggle. 2,249,105; July 15.
Associated Attleboro Manufacturers, Inc. (See Stenberg, Knut E. B., assignor.)
Associated Electric Laboratories, Inc. (See Bellamy, J. I., Nelson, and Obergfell, assignors.)
Associated Electric Laboratories, Inc. (See Crocker, Thomas F., assignor.)
Associated Electric Laboratories, Inc. (See Kessler, Frank, assignor.)
Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
Associated Electric Laboratories, Inc. (See Molnar, Imre, assignor.)
Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)
Astle, William, Chicago, Ill. Plate heat exchanger. 2,248,933; July 15.
Atlantic Rayon Corporation. (See Galatioto, Luigi C., assignor.)
Aull, Harry, assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Knitted fabric. 2,249,342; July 15.
Automatic Signal Corporation. (See Wilcox, H. A., and Barker, assignors.)
Auzin, John M., Warwick, R. I., assignor to Davol Rubber Company. Inflatable catheter. 2,248,934; July 15.
Babcock & Wilcox Company, The. (See Tilghman, R. H., and Bailey, assignors.)
Babson Bros. Co. (See Pfanstiehl, Carl, assignor.)
Badeau, Carroll A., Highland Park, assignor to The Thomas & Betts Co., Elizabeth, N. J. Insertable insulating bushing. 2,249,593; July 15.
Bailey, Ervin G. (See Tilghman, R. H., and Bailey.)
Bailly, Armand, Brussels, Belgium. Centrifugal hydroextractor. 2,249,306; July 15.
Baily, Robert W., Narberth, Pa. Oscillator. 2,249,264; July 15.
Baker, Albert F. (See Marple, R., and Baker.)
Baldwin Locomotive Works, The. (See Essl, Max, assignor.)
Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Cabinet structure. 2,248,920; July 15.
Balfe, George T., assignor to Detroit Gasket & Mfg. Company, Detroit, Mich. Windshield. 2,249,547; July 15.
Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Reversing mechanism. 2,249,343; July 15.
Bancroft, Frank E., Sale, and C. W. Miller, Roundhay, Leeds, England, assignors, by mesne assignments, to General Electric Company. Condensation vacuum pump. 2,249,450; July 15.
Bardsley, William A. (See Neebe, L. L., and Bardsley.)
Barker, John L. (See Wilcox, H. A., and Barker.)

Barnes, A. B., Company. (See Minaeff, M. G., Greze, and Priepke, assignors.)
Barrett Company, The. (See Yeager, Frank W., assignor.)
Barth, Elmer J. (See Peterson, C. D., and Barth.)
Basham, Henry J., Wichita Falls, Tex. Stuffing box gland. 2,249,679; July 15.
Battiste, Donald A., Philadelphia, Pa. Dough processing apparatus. 2,249,307; July 15.
Bauder, Raymond E., Chicago, Ill. Assorting and filing device. 2,249,265; July 15.
Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,248,935; July 15.
Baumgartl, Leroy, Chicago, Ill. Building construction. 2,249,106; July 15.
Bausch & Lomb Optical Company. (See Aspenleiter, Joseph W., assignor.)
Bausch & Lomb Optical Company. (See Drescher, Theodore B., assignor.)
Baxendale, Samuel, Dearborn, assignor to Modern Collet & Machine Company, Ecorse (Sta. Detroit), Mich. Nut tapping machine. 2,249,196; July 15.
Baxter, William C., and C. T. De Puy, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding bath stand and dressing table. 2,249,107; July 15.
Bayerische Motoren Werke Aktiengesellschaft. (See Löhner, Kurt, assignor.)
Beall, Wellwood E. (See Wells, E. C., and Beall.)
Beaman, Townsend F. (See Snell, S. A., and Oster, assignors.)
Beasley, Harold H., Bristol, England. Liquid measuring and delivering apparatus. 2,249,594; July 15.
Bechtle, Richard, and E. Habermehl, assignors to Messer & Company, G. m. b. H., Frankfort-on-the-Main, Germany. Cutting torch. 2,249,413; July 15.
Bedol, Harry A., Cleveland, Ohio. Air filtering and shield attachment. 2,249,308; July 15.
Beers, Roland F., Dallas, Tex. Means for analyzing and determining geologic strata. 2,249,108; July 15.
Behm, Walter, Rochester, Mich. Pile extractor. 2,248,936; July 15.
Behringer, Joseph. (See Kesselring, F., Duffing, and Behringer.)
Bell, Joseph D., San Francisco, Calif. Combined chair and bed. 2,249,266; July 15.
Bell Telephone Laboratories, Incorporated. (See Bode, Hendrik W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Burns, R. M., and Tolman, assignors.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Hartmann, E., and Krebs, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hearn, Richard B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hubbard, Francis A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Irvine, Frank S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Maurer, Keith L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Merrill, Josiah L., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mitchell, Doren, assignor.)
Bell Telephone Laboratories, Incorporated. (See Morrison, Louis A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mott, Edward E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Peek, Robert L., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Sykes, Roger A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wadsworth, Paul W., assignor.)
Bellamy, John I., Brookfield, M. L. Nelson, Park Ridge, and H. F. Obergfell, River Forest, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Transmitting and receiving system. 2,248,937; July 15.
Bendix Aviation Corporation. (See Jensen, John C. D., assignor.)
Bendix Aviation Corporation. (See McCann, George K., assignor.)
Bendix Products Corporation. (See Press, Carl, assignor.)
Bendix Stromberg Carburetor Company. (See Joeck, Thomas D., assignor.)
Benedict, Ethel M. (See Duffy, Thomas I., assignor.)
Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic treatment of hydrocarbons. 2,249,595; July 15.
Benkö, Ivan, Vienna, Germany. Physical training appliance. 2,249,309; July 15.
Bennett, Claude C., South Bend, Ind., assignor to A. E. Feragen, Inc., Seattle, Wash. Power tester. 2,248,933; July 15.
Benson, John W., Brooklyn, N. Y. Necktie stabilizer. 2,248,939; July 15.
Berg, Hans S., Claremont, Calif. Bearing packer. 2,248,940; July 15.
Berg, Herbert, Burghausen, Oberbayern, and B. von Zychlinski, assignors to Chemische Forschungsgesellschaft m. b. H., Munich, Germany. Friction element for power transmission. 2,249,514; July 15.
Berry, John R., Los Angeles, Calif. Permanent wave comb and spreader. 2,249,267; July 15.
Best, Chritian. (See Hechembleikner, I., and Best.)
Bichowsky, Francis R., Ann Arbor, assignor to The Dow Chemical Company, Midland, Mich. Method for drying. 2,249,624; July 15.
Bichowsky, Francis R., Ann Arbor, assignor to The Dow Chemical Company, Midland, Mich. Apparatus for drying. 2,249,625; July 15.
Bidner, John, Youngstown, and W. W. Schofield, Hubbard, Ohio. Stopper rod assembly and parts. 2,248,941; July 15.
Bihl, Konrad, Berlin, and P. Hermanspann, Leipzig, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Iron goniometer. 2,249,414; July 15.
Bills, Claud H. (See Holmes, L. A., and Bills.)
Bischoff, Louis, R. Loeffler, Jr., and E. Jaeger, assignors to Oneida Paper Products, Inc., New York, N. Y. Patch applying for satchel bottom bags. 2,249,451; July 15.
Bishop, Bradford B., Nottingham, England. Holder for reels of tape or twine. 2,249,680; July 15.
Black, William A., Montclair, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Power amplifier. 2,248,942; July 15.
Blackmore, William, Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box. 2,249,596; July 15.
Blechman, Irving, Bronx, N. Y. Storage receptacle. 2,249,344; July 15.
Bley, Rudolph S., Milligan College, Tenn. Producing colloidal metal hydroxides. 2,248,943; July 15.
Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,249,415; July 15.
Boeing Aircraft Company. (See Wells, E. C., and Beall, assignors.)
Boekels, Hans, Berlin-Wannsee, and A. Brosch, Berlin-Treptow, Germany, assignors to General Electric Company. Electrical measuring apparatus. 2,249,452; July 15.
Boersch, Hans, and H. Mahl, Berlin-Reinickendorf, Germany, assignors to General Electric Company. Electron microscope. 2,249,453; July 15.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 2,249,268; July 15.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 2,249,269; July 15.
Bonsall, Charles D., Pittsburgh, Pa., assignor to Standard Railway Refrigerator Company, Chicago, Ill. Refrigerator car. 2,248,944; July 15.
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 2,249,270; July 15.
Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company. Refrigerator car construction. 2,248,945; July 15.
Bonsall, Charles D., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Refrigerator Company. Refrigerator car construction. 2,248,946; July 15.
Borchardt, Erwin, Berlin, and H. Pietsch, Berlin-Siemensstadt, assignors to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Coating oxide cathodes. 2,249,598; July 15.
Botimer, Earl A., Bay City, Mich. Picking machine. 2,249,109; July 15.
Bowers, Frank, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Soot blower. 2,248,947; July 15.
Bowers, Harold A., Mariemont, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Variable speed transmission. 2,248,948; July 15.
Boynton, Alexander, San Antonio, Tex. Differential type pneumatic piston pump. 2,248,949; July 15.
Boynton, Alexander, San Antonio, Tex. Differential stage lift flow device. 2,248,950; July 15.
Boynton, Alexander, San Antonio, Tex. Differential stage lift flow device. 2,248,951; July 15.
Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro compass. 2,249,345; July 15.
Brady, James R., Marion, and L. F. Lang, Butler, Pa., assignors to The Marion Metal Products Company, Marion, Ohio. Coated burial receptacle. 2,249,283; July 15.
Bragg, Alfred O., Valley Stream, N. Y., assignor to Diamond Alkali Company, Pittsburgh, Pa. Bleaching cellulose with titanium compounds. 2,249,646; July 15.
Brake, Walter J., Decatur, Ind., assignor to General Electric Company. Magnetic novelty. 2,249,454; July 15.

Braun, Richard, and H. Herlach, Berlin-Frohnau, assignors to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany. Gun mounting for machine guns adapted to recoil. 2,249,310; July 15.
Briggs Clarifier Company. (See Briggs, S. W., and (Gilbert, assignor).)
Briggs, Southwick W., and C. G. Gilbert; said Gilbert assignor to Briggs Clarifier Company, Washington, D. C. Porous block filter in lubricating system of internal combustion engines. 2,249,681; July 15.
Brink, Winfield S., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Rim side ring. 2,248,952; July 15.
Bristol Aeroplane Company Limited. (See Owner, Frank M., assignor.)
Brooks Bank Note Company. (See Lambert, Russell A., assignor.)
Brosch, Adolf. (See Boekels, H., and Brosch.)
Brown, Charles A., assignor, by mesne assignments, to Y. R. Brown, Lorain, Ohio. Fluid flow control system. 2,249,719; July 15.
Brown Company. (See Richter, George A., assignor.)
Brown Company. (See Richter, G. A., and Vannah, assignors.)
Brown Company. (See Schur, Milton O., assignor.)
Brown, George H., Haddonfield, N. J., assignor to Radio Corporation of America. Coupling device. 2,249,597; July 15.
Brown, Virginia R. (See Brown, Charles A., assignor.)
Browning, George, Wilmette, Ill. Ironing board. 2,249,110; July 15.
Brundin, Ernest W., Montebello, Calif. Chemical agriculture system. 2,249,197; July 15.
Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Aromatic aliphatic ether chlorides and process. 2,249,111; July 15.
Bryan, Joseph H., assignor of forty per cent to A. D. Mincoff, Missoula, Mont. Ski waxer. 2,249,600; July 15.
Budd, Edward G., Manufacturing Co. (See Dean, Walter B., assignor.)
Bunch, Ray, Los Angeles, Calif. Dental model trimmer. 2,248,953; July 15.
Burkholder, Alden H. (See Knebusch, W. F., and Burkholder.)
Burns, Robert M., and E. M. Tolman, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical contact device. 2,249,599; July 15.
Burroughs Adding Machine Company. (See Pasinski, Walter J., assignor.)
Butenandt, Adolf, Berlin-Lichterfelde, Germany, assignor to Schering Corporation, Bloomfield, N. J. Manufacture of α,β-unsaturated ketones of the cyclopentano polyhydro-phenanthrene series. 2,248,954; July 15.
Caldwell, John B., Buffalo, N. Y. Over-bed table. 2,249,455; July 15.
California Machinery and Supply Co. (See Vanderpoel, A. G. H., and Ostling, assignors.)
Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Communication system. 2,249,456; July 15.
Cappa, Frank L., New York, N. Y. Sapphire grinding means. 2,248,955; July 15.
Carlson, Warner W. (See Stahly, G. L., and Carlson.)
Carlson, Wendell L., and W. H. Conron, Haddonfield, N. J., assignors to Radio Corporation of America. Antenna system. 2,249,416; July 15.
Carmody, Marie O., Mount Lebanon, Pa. Hydrogenation of terpene polymers. 2,249,112; July 15.
Carroll, Nina R., New York, N. Y. Shear. 2,249,515; July 15.
Carter, Horace A., Needham, assignor to The William Carter Company, Needham Heights, Mass. Garment construction. 2,249,198; July 15.
Carter, William, Company, The. (See Carter, Horace A., assignor.)
Carvlin, George M., and W. O. Keeling, Pittsburgh, Pa., assignors to Koppers Company. Method and means for adsorption of condensables from fuel gases. 2,248,956; July 15.
Casali, Joseph, Detroit, Mich. Cooking utensil. 2,248,957; July 15.
Casco Products Corporation. (See Samuels, Abe. O., assignor.)
Cash, A. W., Company. (See Klinker, John J., assignor.)
Casner, James E., Alpine, Tex. Automobile chassis. 2,248,921; July 15.
Cataffo, Domenick, Mullens, W. Va. Foot and ankle protector. 2,249,553; July 15.
Catlett, James T., Scotia, N. Y., and J. E. Anderson, Saugus, Mass., assignors to General Electric Company. Arc welding system. 2,249,457; July 15.
Cederstrom, Curtiss M. (See Welch, A. U., Jr., and Cederstrom.)
Celanese Corporation of America. (See Platt, Herbert, assignor.)
Celanese Corporation of America. (See Wainwright, J. A., and Allan, assignors.)
Central National Bank. (See Kuban, Kurt W., assignor.)
Chace, Thomas B., Winnetka, Ill. Copper clad steel. 2,249,417; July 15.
Chamberlain Corporation. See Etten, Nicolas L., assignor.)
Chambers, Edward G., Toledo, Ohio, assignor to The Indemse Corporation. Control apparatus. 2,249,418; July 15.
Chapman, Frank N., Kansas City, Mo. Roach trap. 2,249,601; July 15.
Chappuis, John A., Neuchatel, Switzerland. Machine for making washers or the like. 2,249,113; July 15.
Chemical Construction Corporation. (See Titlestad, Nicolay, assignor.)
Chemical Construction Corporation. (See Titlestad, N., and Allen, assignors.)
Chemische Forschungsgesellschaft m. b. H. (See Berg, H., and von Zychlinski, assignors.)
Chenicek, Joseph A., assignor to Universal Oil Products Company, Chicago, Ill. Suppression of metal catalysis. 2,249,602; July 15.
Cherry-Burrell Corporation. (See Ernst, Robert J., assignor.)
Christensen, Carl J., and L. Fortney, Toledo, Ohio. Dispensing device. 2,248,958; July 15.
Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,249,284; July 15.
Christman, John N. H., Cleveland, and W. A. Lintern, Brook Park Village, assignors to The Lintern Corporation, Cleveland, Ohio. Air conditioning apparatus for isolated spaces. 2,248,959; July 15.
Cincinnati Grinders Incorporated. (See Bowers, Harold A., assignor.)
Cincinnati Grinders Incorporated. (See Theler, Frederick J., assignor.)
Cities Service Oil Company. (See Morgan, J. D., and Levitt, assignors.)
Clark, James K., Utica, assignor to The Partlow Corporation, New Hartford, N. Y. Control system. 2,249,682; July 15.
Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Refining of vegetable oils. 2,249,700; July 15.
Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Refining of animal and vegetable oils. 2,249,701; July 15.
Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Process of refining glyceride oils and fats. 2,249,702; July 15.
Cleveland Automatic Machine Company. (See Jelinek, A. F., and Gross, assignors.)
Codney, Arthur O. (See Kerns, F. R., and Codney.)
Coffman, Dallas H., Fresno, Calif. Clothesline reel. 2,249,114; July 15.
Collie, Anthony, et al. (See Anania, James A., assignor.)
Collins Loom Works, Inc. (See Fradenburgh, J., and Kellogg, assignors.)
Collis, Lloyd, New York, N. Y. Unloading and loading system. 2,248,960; July 15.
Columbus Coated Fabrics Corporation. (See Hyatt, C. S., and Lowman, assignors.)
Commons, Charles H., Jr. (See Kinzie, C. J., and Commons.)
Commonwealth Engineering Corporation. (See Stahly, G. L., and Carlson, assignors.)
Comstock, Herbert C., Mount Kisco, N. Y. Coating composition. 2,248,961; July 15.
Conron, William H. (See Carlson, W. L., and Conron.)
Cook, Elmer W., New York, N. Y., and W. D. Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Lubricating composition. 2,249,626; July 15.
Cook, Percy, Waltham, Mass. Web manipulating apparatus. 2,248,962; July 15.
Cooper-Bessemer Corporation. (See Gehres, Hewitt A., assignor.)
Copeman Laboratories Company. (See Copeman, Lloyd G., assignor.)
Copeman, Lloyd G., assignor to Copeman Laboratories Company, Flint, Mich. Container for confections. 2,248,963; July 15.
Corkery, Frank W., Crafton, Pa., assignor to Falk & Company. Producing quick-drying oils. 2,248,964; July 15.
Corkery, Frank W., Crafton, Pa., assignor to Falk & Company. Baking oil. 2,248,965; July 15.
Corkery, Frank W., Crafton, Pa., assignor to Falk & Company. Baking oil. 2,249,115; July 15.
Corkery, Frank W., Crafton, Pa., assignor to Falk & Company. Drying composition. 2,248,966; July 15.
Corless, Lee M., Royal Oak, Mich. Instrument carrying case. 2,249,116; July 15.
Cornell, Edward S., Jr., Larchmont, N. Y. Steam heating system and control means therefor. 2,249,346; July 15.
Cornsortium fur Elektrochemische Industrie G. m. b. H. (See Wimmer, J., and Mugdan, assignors.)
Couch, Claude L. (See Anderson, O. W., and Couch.)
Courtaulds Limited. (See Morton, E. A., Ashton, and Hardacre, assignors.)
Courtney, John F., Florence, S. C., assignor to Velare & Courtney, Inc. Amusement apparatus. 2,249,076; July 15.
Crabbs, Herbert J. (See Lingal, H. J., and Crabbs.)
Craine, Sulby D., Glen Ellyn, Ill. Method of and means for preparing negative reproductions for photoengraving or etching processes. 2,249,419; July 15.
Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Carburizing apparatus. 2,249,199; July 15.

Crandall, Robert L., Yuba City, Calif. Cable spooling device. 2,249,117; July 15.
Croasdale, Evan T., Bridgeport, Conn., assignor to General Electric Company. Electrical insulation. 2,249,458; July 15.
Crocker, Thomas F., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,249,459; July 15.
Crocker, Thomas F., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,249,516; July 15.
Croisant, Donald P. (See Rawley, J., and Croisant.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crosby Steam Gage & Valve Company. (See Smith, Norman J., assignor.)
Crow, Coy I., Zwolle, La. Truck trailer unloading device. 2,249,683; July 15.
Crow, Coy I., Zwolle, La. Truck trailer loading device. 2,249,684; July 15.
Crown Cork & Seal Company. (See Winder, Samuel E., assignor.)
Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter. 2,249,517; July 15.
Curcio, Michael, Philadelphia, Pa. Measuring instrument. 2,248,967; July 15.
Cutting Room Appliances Corp. (See Gilbert, Herman W., assignor.)
D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Resinous composition. 2,249,460; July 15.
Daly, Francis R., Minneapolis, Minn. All-weather hot air furnace. 2,249,554; July 15.
Damon, Robert H., Chicago, Ill., assignor to General Register Corporation, New York, N. Y. Ticket issuing machine. 2,249,347; July 15.
Damrow Brothers Company. (See Peters, Norman J., assignor.)
Danforth, Richard S., Berkeley, Calif. Twin-fluke anchor. 2,249,546; July 15.
Danker, Hugo M., Berwyn, Ill. Fertilizer collecting apparatus. 2,249,555; July 15.
Darling, Frank L., Hollywood, Calif., assignor to Wingfoot Corporation, Wilmington, Del. Making hose clamps. 2,248,969; July 15.
Davidson Manufacturing Corporation. (See Trydal, Nils, assignor.)
Davidson, William W., Evanston, Ill. Blank registering device. 2,249,505; July 15.
Davis, Clyde, Long Lake, Wis. Snow vehicle. 2,249,374; July 15.
Davis, Curtiss L., Los Angeles, Calif. Aircraft engine silencer and back pressure reducer. 2,249,271; July 15.
Davol Rubber Company. (See Auzin, John M., assignor.)
Dawson, John W., Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,248,968; July 15.
Day, Joseph F., Royal Oak, Mich. Vehicle signal control device. 2,249,375; July 15.
Dean, Walter B., Paris, France, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Roof and side wall connection for railway or other vehicles. 2,249,703; July 15.
Dearing, Stephen L., Palmyra, Mo. Highway barricade support. 2,249,685; July 15.
Decker, Josef B., Elkton, Md., and A. Hummel, Bernardsville, N. J. Firearm. 2,248,970; July 15.
Degler, Howard E., and A. H. Willis, Austin, Tex., assignors to Board of Regents of The University of Texas. Air conditioning unit for the relief of hay fever and asthma. 2,249,285; July 15.
De Laval Separator Company, The. (See Wheelwright, George F., Jr., assignor.)
Delaware Chemical Engineering Company. (See du Pont, Francis I., assignor.)
Dennis, William A., Cameron, S. C. Seed planter. 2,249,376; July 15.
De Puy, Charles T. (See Baxter, W. C., and De Puy.)
De Reymer, Eugene, et al. (See Ainsa, George F., assignor.)
Dery, Henry J., Sanborn, N. Dak. Folding clothes stand. 2,249,348; July 15.
Detjen, Albert W., Glendale, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston expander. 2,249,704; July 15.
Detroit Edison Company, The. (See Matthews, George A., assignor.)
Detroit Gasket & Mfg. Company. (See Balfe, George T., assignor.)
Detroit Lubricator Company. (See Wile, Daniel D., assignor.)
Detroit Steel Products Company. (See Kelly, Clyde W., assignor.)
Detroit Steel Products Company. (See Rumney, M. P., and Kelly, assignors.)
Deutsch, Harry J., Royal Oak, Mich., assignor to Aluminum Company of America, Pittsburgh, Pa. Hot working an aluminum base alloy and product thereof. 2,249,349; July 15.
Dever, Henry F. (See Miller, L. B., and Dever.)
De Witt, Francis, assignor to Pervel Corporation, New York, N. Y. Impregnated paper. 2,249,118; July 15.
Day, George E., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Escutcheon for handles and the like. 2,249,272; July 15.
Diamond Alkali Company. (See Bragg, Alfred O., assignor.)
Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Plasticized cellulose derivative composition. 2,249,518; July 15.
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and compositions therefor. 2,249,519; July 15.
Di Leo, Domenico, Philadelphia, Pa. Bastings cutting, pulling, and removing implement. 2,249,378; July 15.
Di Palma, Joseph, Brooklyn, assignor to Kellems Products Inc., New York, N. Y. Axle puller. 2,249,119; July 15.
Distillation Products, Inc. (See Hickman, Kenneth C. D., assignor.)
Distillation Products, Inc. (See Hickman, K. C. D., and Hecker, assignors.)
Diwoky, Fred F., assignor to Standard Oil Company, Chicago, Ill. Manufacture of antiknock gasoline. 2,249,461; July 15.
Doane, Harry C., and A. G. Vosburgh, Flint, assignors to General Motors Corporation, Detroit, Mich. Direction signal operating means. 2,249,120; July 15.
Doubet, Elmer A., Hanna City, Ill. Planting machine. 2,248,922; July 15.
Doucette, Joseph, Hillside, Ill. Moisture separating apparatus. 2,249,077; July 15.
Dow Chemical Company, The. (See Bichowsky, Francis R., assignor.)
Dow Chemical Company, et al. (See Spurlin, Harold M., assignor.)
Dozler, Ernst, Berlin-Steglitz, Germany, assignor to General Electric Company. Voltage regulating system. 2,249,462; July 15.
Drake, W. K. (See Adams, John F., assignor.)
Drescher, Theodore B., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for setting machine tools. 2,249,121; July 15.
Drucker, Abraham. (See Drucker, A., and La Penna, assignor.)
Drucker, Abraham, New York, and P. La Penna, Brooklyn, N. Y.; said La Penna assignor to said Drucker. Mechanism for hot stamping. 2,249,627; July 15.
Dudley, Jay W., Knoxville, Tenn. Hydraulic brake system. 2,249,286; July 15.
Duffing, Paul. (See Kesselring, F., Duffing, and Behringer.)
Duffy, Thomas I., Detroit, assignor to E. M. Benedict, Highland Park, Mich. Bicycle accessory. 2,248,971; July 15.
Du-La Manufacturing Company. (See Hettinger, George, assignor.)
Dumelin, Charles, Detroit, Mich. Concealed hinge for automobile doors. 2,248,972; July 15.
Dunbar, Ralph E., East Cleveland, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Suction nozzle. 2,249,463; July 15.
Duncan, Dwight J., and R. D. Prophet, Dallas, Tex. String feed mechanism. 2,249,377; July 15.
Dunn, Alfred W., assignor of one-half to F. S. Elam, Rochester, N. Y. Lasting machine for prewelt shoes. 2,249,647; July 15.
Du Pont, E. I., de Nemours & Company. (See Dykstra, Harry B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fitch, Howard M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lang, Joseph W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Macallum, Alexander D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rossander, S. S., Kvalnes, and Sparks, assignors.)
Du Pont, E. I., de Nemours & Company. (See Sparks, C. E., Hussey, Reynolds, and Rossander.)
Du Pont, Francis I., assignor to Delaware Chemical Engineering Company, Wilmington, Del. Parking-time meter. 2,249,350; July 15.
Dyer, Mary E., administratrix. (See Elliott, Thomas R.)
Dykstra, Harry B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric material. 2,249,686; July 15.
Eagle Straw Corporation. (See Goldstein, A. M., and Schoen, assignors.)
Eastman, Du Bois, and C. Richker, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Conversion of hydrocarbons. 2,249,705; July 15.
Eastman Kodak Company. (See Crumrine, Chester W., assignor.)
Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)
Eastman Kodak Company. (See Hall, Vincent C., assignor.)
Eastman Kodak Company. (See Hiatt, Gordon D., assignor.)
Eastman Kodak Company. (See Hull, David C., assignor.)

Eastman Kodak Company. (See McDowell, W. H., and Kenyon, assignors.)
Eastman Kodak Company. (See Riddell, William A., assignor.)
Eastman Kodak Company. (See Schinzel, Karl, assignor.)
Eastman Kodak Company. (See Swan, Donald R., assignor.)
Eastman Kodak Company. (See Van Derhoef, Henry E., assignor.)
Eastern Tool and Manufacturing Company. (See Anderson, C. E., and Elwell, assignors.)
Eaton Manufacturing Company. (See Wallace, William H., assignor.)
Eby, Ivan D., Staten Island, N. Y. Recording pitchometer. 2,248,973; July 15.
Eckland, Emil O., and W. H. Young, Chicago, Ill.; said Eckland assignor to said Young. Inking device. 2,248,974; July 15.
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Edgar Brothers Company. (See Lane, G. J., and Phelps, assignors.)
Edgar Brothers Company. (See Phelps, Donald S., assignor.)
Edwards and Company. (See Edwards, Robert S., assignor.)
Edwards and Company. (See Joost, J. C., and Miller, assignors.)
Edwards, Claude M., assignor to Plant Equipment Corporation, Indianapolis, Ind. Adhesive applicator for paper tape. 2,249,200; July 15.
Edwards Iron Works, Inc. (See Edwards, William H., assignor.)
Edwards, Robert S., New Canaan, assignor to Edwards and Company, Inc., Norwalk, Conn. Multiple push button switch construction. 2,249,122; July 15.
Edwards, William H., assignor to Edwards Iron Works, Inc., South Bend, Ind. Vehicle. 2,249,351; July 15.
Eklind, Carl E., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,249,520; July 15.
Elam, Frederick S. (See Dunn, Alfred W., assignor.)
Electric & Musical Industries Limited. (See Faudell, Charles L., assignor.)
Electric & Musical Industries Limited. (See Lubszynski, H. G., and McGee, assignors.)
Electric Service Supplies Company. (See Graham, Herbert J., assignor.)
Electric Vacuum Cleaner Company. (See Dunbar, Ralph E., assignor.)
Electrical Research Products, Inc. (See Friebus, Reginald T., assignor.)
Electron Corp., The. (See Locke, Andrew O., assignor.)
Elkington, Vivian, Dover, England. Key for removing manhole covers and the like from their frames. 2,249,603; July 15.
Ellington, Wesley, Hillsboro, Tex. Device for teaching golf swing. 2,249,038; July 15.
Elliott, Thomas R., deceased, Wilmington, Del., M. E. Dyer, administratrix. Tire protector. 2,249,695; July 15.
Elwell, George H. (See Anderson, C. E., and Elwell.)
Empire Metal Cap Co. Inc. (See Merolle, Augustus L., assignor.)
Engbert, Willi, and F. Herz, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Frequency meter. 2,249,420; July 15.
Engel, Willem F. (See Visser, G. H., and Engel.)
Engineering Laboratories, Inc. (See Frost, Cheslyn H., assignor.)
Engstrom, Andrew G. (See Julian, P. L., and Engstrom.)
Ericson, George R. (See Moseley, J. T. W., and Ericson.)
Ernst, Robert J., assignor to Cherry-Burrell Corporation, Chicago, Ill. Conveyer link. 2,249,720; July 15.
Eshleman, Earl E., Covington, Ohio. Casket lowering device. 2,249,687; July 15.
Esotoo Fumigation Co. Ltd. (See Thomas, James A., assignor.)
Essl, Max, Norwood, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works. Internal combustion engine locomotive. 2,249,628; July 15.
Etten, Nicholas L., Waterloo, Iowa, assignor to Chamberlain Corporation. Wringer roll stop mechanism. 2,249,464; July 15.
Etzrodt, Adalbert, Berlin-Siemensstadt, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Controllable electric discharge device. 2,249,604; July 15.
Ewing, Samuel C., Scotia, N. Y., assignor to General Electric Company. Control system for synchronous machines. 2,249,465; July 15.
Fackert, Walter, Neuwied-on-the-Rhine, Germany. Annealing iron sheets or strips. 2,249,556; July 15.
Faine, Phillip, assignor to W. D. Allen Manufacturing Co., Chicago, Ill. Hose nozzle. 2,249,274; July 15.
Falk & Company. (See Corkery, Frank W., assignor.)
Faudell, Charles L., Stoke Poges, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electrical oscillation generator. 2,248,975; July 15.
Fehr, David D., Haskett, Manitoba, Canada. Feed crusher. 2,249,648; July 15.
Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)
Ferguson, Arthur P., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield and adapter. 2,249,421; July 15.
Ferguson, J. L., Company. (See Ferguson, John L., assignor.)
Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Case loader. 2,249,201; July 15.
Ferguson, Warren T., Waban, assignor to Anderson Products, Inc., Cambridge, Mass. Heating system. 2,249,706; July 15.
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Borchardt, E., and Pietsch, assignors.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Etzrodt, Adalbert, assignor.)
Fielding, Edward A., Oldham, England. Fatigue testing apparatus. 2,249,649; July 15.
Fields, Ernest J., Erie, Pa., assignor to General Electric Company. Frost measuring device. 2,249,466; July 15.
Files, Glenn W., Oak Park, assignor to General Electric X-ray Corporation, Chicago, Ill. Radiographic unit. 2,248,976; July 15.
Finch, Raymond J., Schenectady, assignor to American Locomotive Company, New York, N. Y. Safety hook device for railway vehicle trucks. 2,249,467; July 15.
Firestone Tire and Rubber Company. (See Brink, Winfield S., assignor.)
Fitch, Howard M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of P-(N-primary alphatic amino) phenols. 2,249,352; July 15.
Fleck, Leon, Bronx, and G. Suchestow, New York, N. Y. Foldable package carrier. 2,249,123; July 15.
Flogaus, Howard A., assignor, by mesne assignments, to Reo Motors, Inc., Lansing, Mich. Coach door construction. 2,249,273; July 15.
Flory, Leslie E., Oaklyn, and G. A. Morton, Haddon Heights, N. J., assignor to Radio Corporation of America. Electro-optical device. 2,248,977; July 15.
Food Machinery Corporation. (See Thompson, Albert R., assignor.)
Ford, Frank A., and T. D. Williams, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Push-off device for take-up of cold rolling machines. 2,249,379; July 15.
Fortney, Lorain. (See Christensen, C. J., and Fortney.)
Foster, Boutwell H., Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y. Asbestos fabric. 2,249,650; July 15.
Fox, Leo L., Houston, assignor of one-half to S. L. Harris, Orange, Tex. Hydraulic boomer. 2,249,078; July 15.
Fradenburgh, John, and W. D. Kellogg, assignors to Collins Loom Works, Inc., Amsterdam, N. Y. Tension and take-up device. 2,249,422; July 15.
Francisco, Kenneth N., North Caldwell, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Delignification of black liquor soap. 2,248,978; July 15.
Franklin Process Company. (See Wood, John M., assignor.)
Freeman, George A., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Method of exhaust. 2,249,605; July 15.
Friedberger-Aaron Manufacturing Company. (See Aull, Harry, assignor.)
Friebus, Reginald T., Montclair, N. J., assignor to Electrical Research Products, Inc., New York, N. Y. Stereophonic sound recording system. 2,249,606; July 15.
Friederich, Ernst, and M. Reger, Berlin-Charlottenburg, and G. Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company. Discharge lamp. 2,248,979; July 15.
Fritzlen, Thomas L., West Lafayette, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa. Working aluminum and product thereof. 2,249,353; July 15.
Frost, Cheslyn H., assignor of one-half to Engineering Laboratories, Inc., Tulsa, Okla. Leveling rod. 2,249,707; July 15.
Frye, James D., St. Johnsbury, Vt. Weighing scales. 2,249,124; July 15.
Fulton, Rolland S., assignor to National Time & Signal Corporation, Detroit, Mich. Electric circuit controller. 2,249,237; July 15.
Gabriel, Frank E., assignor to Appleton Supply Co., Inc., Appleton, Wis. Shingle and siding edge protector. 2,249,125; July 15.
Gaidies, Georg. (See Friederich, E., Reger, and Gaidies.)
Galatioto, Luigi C., assignor to Atlantic Rayon Corporation, Providence, R. I. Dyeing cellulose acetate and dye bath compositions. 2,249,607; July 15.
Galkin, Joseph, New York, N. Y. Double head hemming machine. 2,249,423; July 15.
Gamble, Ralph M. (See Lovely, J. E., and Gamble.)
Gano, Orville, Burley, Idaho. Vegetable ricing machine. 2,249,688; July 15.

Garden City Plating & Mfg. Co. (See Kurtzon, George B., assignor.)
Gardner, Charles E. (See Gardner, Luke B., assignor.)
Gardner-Denver Company. (See Sheets, Barton R., assignor.)
Gardner, Luke B., assignor of one-half to C. E. Gardner, Moore, Mont. Combined stacker and buck rake. 2,249,557; July 15.
Garlius, Bernt, assignor to L. N. Prentis, Detroit, Mich. Butter dispensing machine. 2,248,980; July 15.
Garner, Bess A., et al. (See Russell, Kenneth F., assignor.)
Gardner-Denver Company. (See Pearson, Gustav C., assignor.)
Garner, Herman H., et al. (See Russell, Kenneth F., assignor.)
Garrett, Edward L., Zanesville, Ohio. Gaming device. 2,249,079; July 15.
Gasoline Products Company. (See Rickerman, John H., assignor.)
Gearhart, Joseph A. and W. M., Sr., Brackenridge, Pa. Table for automobiles. 2,249,287; July 15.
Gearhart, William M., Sr. (See Gearhart, Joseph A. and W. M.)
Gehres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Internal combustion engine. 2,249,354; July 15.
Gelardin, Albert, New York, N. Y. Flashlight. 2,249,689; July 15.
Gelardin, Albert, New York, N. Y. Flashlight. 2,249,690; July 15.
Gelardin, Albert, New York, N. Y. Flashlight. 2,249,691; July 15.
Gelardin, Albert, New York, N. Y. Pocket flashlight. 2,249,692; July 15.
Gelbach, Clarence E., Croydon, Ind. Casket placing device. 2,249,126; July 15.
General Electric Company. (See Bancroft, F. E., and Miller, assignors.)
General Electric Company. (See Boekels, H., and Brosch, assignors.)
General Electric Company. (See Boersch, H., and Mahl, assignors.)
General Electric Company. (See Brake, Walter J., assignor.)
General Electric Company. (See Catlett, J. T., and Anderson, assignors.)
General Electric Company. (See Crossdale, Evan T., assignor.)
General Electric Company. (See D'Aiello, Gaetano F., assignor.)
General Electric Company. (See Dozier, Ernst, assignor.)
General Electric Company. (See Ewing, Samuel C., assignor.)
General Electric Company. (See Fields, Ernest J., assignor.)
General Electric Company. (See Friederich, E., Reger, and Gaidies, assignors.)
General Electric Company. (See Hamm, G. H., and Jagger, assignors.)
General Electric Company. (See Hanna, Max R., assignor.)
General Electric Company. (See Jagger, C. A., and Hamm, assignors.)
General Electric Company. (See Kuehni, Hans P., assignor.)
General Electric Company. (See Leach, Edward A., assignor.)
General Electric Company. (See Leegard, Clifford W., assignor.)
General Electric Company. (See Leonard, Vincent W., assignor.)
General Electric Company. (See Macchi, Aldo, assignor.)
General Electric Company. (See Michaelson, Jesse L., assignor.)
General Electric Company. (See Miles, Lawrence D., assignor.)
General Electric Company. (See Nickle, Clifford A., assignor.)
General Electric Company. (See Nürnberg, Werner, assignor.)
General Electric Company. (See Pistor, W., and Walther, assignors.)
General Electric Company. (See Ramo, Simon, assignor.)
General Electric Company. (See Rich, Theodore A., assignor.)
General Electric Company. (See Schulze, Walter, assignor.)
General Electric Company. (See Seaman, Joseph W., assignor.)
General Electric Company. (See Spanner, Hans J., assignor.)
General Electric Company. (See Teker, John W., assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Electric Company. (See Unger, Magnus, assignor.)
General Electric Company. (See Vance, Paul A., assignor.)
General Electric Company. (See Walker, J. H., and Adkins, assignors.)
General Electric Company. (See Warner, Donald F., assignor.)
General Electric Company. (See Welch, A. U., Jr., and Cederstrom, assignors.)
General Electric Company. (See Würth, Wilhelm, assignor.)
General Electric X-Ray Corporation. (See Files, Glenn W., assignor.)
General Fireproofing Company, The. (See Swimmer, Albert T., assignor.)
General Motors Corporation. (See Cramer, Raymond H., assignor.)
General Motors Corporation. (See Doane, H. C., and Vosburgh, assignors.)
General Motors Corporation. (See Hill, Robert H., assignor.)
General Motors Corporation. (See Nairn, J. M., and Jackson, assignors.)
General Motors Corporation. (See Rawley, J., and Croisant, assignors.)
General Motors Corporation. (See Rubly, Arthur A., assignor.)
General Register Corporation. (See Damon, Robert H., assignor.)
Gerard, William C., Waco, Tex. Garment hanger. 2,249,288; July 15.
Gerg, William P., Hancock, N. Y. Producing formaldehyde and acetic acid. 2,249,380; July 15.
Gerth, Amos N., Columbus, Ind. Friction top pouring means. 2,248,981; July 15.
Getaz, James L., Maryville, Tenn. Switch for electric current. 2,249,355; July 15.
Gilbert, Chester G. (See Briggs, S. W., and Gilbert.)
Gilbert, Herman W., Kew Gardens, assignor to Cutting Room Appliances Corp., New York, N. Y. Cloth clamp. 2,249,651; July 15.
Gillbergh, John R., Pasadena, Calif. Method and apparatus for determining the character and points of ingress of well fluids. 2,248,982; July 15.
Gilmore, John L., Kansas City, Mo. Mechanical chain link. 2,249,238; July 15.
Githens-Sohl Corporation. (See Sohl, Frank B., assignor.)
Gleason, John J., Chicago, Ill. Air conditioning and refrigerating unit. 2,248,983; July 15.
Glenn, Howard A., Chicago, Ill. Refrigerating unit. 2,249,202; July 15.
Glidden Company, The. (See Julian, P. L., and Engstrom, assignors.)
Glidden Company, The. (See Julian, P. L., and Oberg, assignors.)
Goetze, Frederick W., Plainfield, N. J. Composite gasket and casing therefor. 2,249,127; July 15.
Gold, Adolph J., et al. (See Anania, James A., assignor.)
Goldmann, Joachim, New York, N. Y., assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. System for determining navigatory positions. 2,248,984; July 15.
Goldsmith, George W., Compton, Calif. Welding hood. 2,249,239; July 15.
Goldsmith, Philip H., Hamilton, Ohio. Cylinder paper machine. 2,249,128; July 15.
Goldstein, Albert M., Far Rockaway, and H. Schoen, assignors to Eagle Straw Corporation, Brooklyn, N. Y. Tube and making the same. 2,249,468; July 15.
Golf Ball, Inc. (See Kulowski, Phillip, assignor.)
Goodman, Harvey J., Lakeside, Calif. Self-loading dump truck. 2,249,356; July 15.
Graham, Duncan E., and A. P. Smith, Denver, and C. B. Wilson, Wheatridge, Colo. Rehabilitation of filter units. 2,249,521; July 15.
Graham, Herbert J., assignor to Electric Service Supplies Company, Philadelphia, Pa. Vehicle lighting fixture. 2,249,357; July 15.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical apparatus. 2,248,985; July 15.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electro-optical system. 2,248,986; July 15.
Gray, John E., and W. M. Parker, assignors to Mueller Brass Co., Port Huron, Mich. Orifice element for joints. 2,249,469; July 15.
Green, Clarence L., Albuquerque, N. Mex. Billfold. 2,249,558; July 15.
Green, Norval H., Wood-Ridge, N. J., assignor to Radio Corporation of America. Electrode assembly. 2,248,987; July 15.
Greene, Fred E., Bellville, Ohio. Fluid gas gun. 2,249,608; July 15.
Greze, John P. (See Minaeff, M. G., Greze, and Priepke.)
Grimditch, William H., Rydal, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Loop antenna circuit. 2,249,129; July 15.
Grinesss, Frank. (See Travnicek, Frank.)
Groene, Willard L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Treating crankshafts. 2,249,242; July 15.
Groene, Willard L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Chucking mechanism. 2,249,243; July 15.

Groene, William F., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Power chucking device. 2,249,240; July 15.
Groene, William F., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Work-handling mechanism. 2,249,241; July 15.
Groetchen, Richard. (See Lowenherz, Oscar, assignor.)
Gross, Walter E. (See Jelinek, A. F., and Gross.)
Guignon, Emile S., Jr., Kansas City, Mo. Joint anchor for portable structures. 2,249,203; July 15.
Guignon, Emile S., Jr., Kansas City, Mo. Base anchor. 2,249,204; July 15.
Gunther, Leo A., Knights Landing, Calif. Irrigation machine. 2,249,130; July 15.
Gustafson, Gustaf A., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Post cap. 2,249,381; July 15.
Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Carton. 2,249,244; July 15.
Habermehl, Erich. (See Bechtle, R., and Habermehl.)
Hall, Edward N., assignor to A. J. Rothstein, doing business as Triangle Thread Mills, New York, N. Y. Sizing threads and apparatus therefor. 2,248,988; July 15.
Hall, Vincent C., assignor to Eastman Kodak Company, Rochester, N. Y. Electric circuit for color correction. 2,249,522; July 15.
Halliman, Harold E., Catonsville, Md. Apparatus for uniting wax coated paper. 2,249,470; July 15.
Hamm, George H. (See Jagger, C. A., and Hamm.)
Hamm, George H., and C. A. Jagger, Schenectady, N. Y., assignors to General Electric Company. Terminal. 2,249,471; July 15.
Hammel Oil Burning Equipment Co. (See Pearson, Emil J., assignor.)
Hancock Manufacturing Company. (See Marple, R., and Baker, assignors.)
Hanington, Charles A., Freeport, N. Y. Weather strip. 2,249,424; July 15.
Hanley, Albert J., assignor to Respro Inc., Cranston, R. I. Insulating material and manufacture. 2,249,275; July 15.
Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Communication system. 2,248,923; July 15.
Hanna, Max R., Erie, Pa., assignor to General Electric Company. Split bearing. 2,249,472; July 15.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Phase and frequency modulation diversity receiving system. 2,249,425; July 15.
Hansen, Merrill E., assignor to American Anode, Inc., Akron, Ohio. Method and apparatus for applying temporary protective coatings to articles. 2,249,205; July 15.
Hanson, Edward, Cleveland, Ohio. Internal combustion engine. 2,248,989; July 15.
Hardacre, William. (See Morton, E. A., Ashton, and Hardacre.)
Harris, Don M., Alhambra, Calif. Album. 2,249,652; July 15.
Harris, Seth L. (See Fox, Leo L., assignor.)
Harris, Verne L., Shaker Heights, Ohio. Burial vault. 2,249,654; July 15.
Harstick, William H., Milwaukee, Wis., assignor to International Harvester Company. Cream separator bowl. 2,249,653; July 15.
Hart, Deryl. (See James, R. F., and Hart.)
Hartmann, Erhard, New York, N. Y., and L. E. Krebs, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for testing receivers. 2,249,131; July 15.
Haslam, Henry C., Chowchilla, Calif. Window. 2,249,132; July 15.
Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)
Hayes Industries, Inc. (See Hollerith, Charles, assignor.)
Hayes, Ross N., Abilene, Tex. Vernier device. 2,249,655; July 15.
Haynes, Cecil J., Houston, Tex., assignor to Standard Oil Development Company. Fishing tool. 2,249,358; July 15.
Hazeltine Corporation. (See Lewis, Harold M., assignor.)
Heany, John A., New Haven, Conn. Making porous abrasive bodies. 2,248,990; July 15.
Hearn, Richard B., Hollis, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic balancing system. 2,249,133; July 15.
Hechenbleikner, Ingenuin, Stamford, Conn., and C. Best, Champaign, Ill., assignors to American Cyanamid Company, New York, N. Y. Ester substituted cyanamide. 2,249,134; July 15.
Hechenbleikner, Ingenuin, Stamford, Conn., and C. Best, Champaign, Ill., assignors to American Cyanamid Company, New York, N. Y. B,B'-dicyanodiethyl cynamide. 2,249,135; July 15.
Hecker, John C. (See Hickman, K. C. D., and Hecker.)
Hedengren, Ossian A., Taunton, Mass., assignor to Sears, Roebuck and Co., Chicago, Ill. Ignition device for oil ranges. 2,248,991; July 15.
Henriksen, Alfred. (See Lincoln, B. H., Steiner, and Henriksen.)
Henriksen, Henry, New York, N. Y. Fishing paraphernalia. 2,249,382; July 15.
Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contacting element. 2,249,136; July 15.
Hercules Powder Company. (See Koch, William, assignor.)
Hercules Powder Company, et al. (See Spurlin, Harold M., assignor.)
Herlach, Heinrich. (See Braun, R., and Herlach.)
Hermanspann, Paul. (See Bihl, K., and Hermanspann.)
Herz, Friedrich. (See Engbert, W., and Herz.)
Hettinger, George, East Rutherford, N. J., assignor to Du-La Manufacturing Company. Insecticide spraying device. 2,249,359; July 15.
Hiatt, Gordon D., assignor to Eastman Kodak Company, Rochester, N. Y. Medicament. 2,249,523; July 15.
Hickman, Kenneth, C. D., and J. C. Hecker, assignors to Distillation Products, Inc., Rochester, N. Y. Process for improving oils. 2,249,524; July 15.
Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Purification of vitamin A esters. 2,249,525; July 15.
Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum distillation. 2,249,526; July 15.
Hicks-Bruun, Mildred M., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Oxidation of paraffin. 2,249,708; July 15.
Hiiblom, Samuel E. (See MacDonald, R. D., and Hiiblom.)
Hill, Robert H., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Automatic reset for direction signals. 2,249,137; July 15.
Hill, Walter, Evesham, England. Traction device. 2,249,138; July 15.
Hilty, Celia M., Pittsburgh, Pa. Mop. 2,249,559; July 15.
Hilty, Donald C., Vandergrift, Pa. Pickling of steel. 2,249,383; July 15.
Hitchcock, Harold W., Apponaug, R. I., assignor to Universal Winding Company, Boston, Mass. Winding machine. 2,249,384; July 15.
Hofrichter, Allen, Suffern, N. Y. Registering apparatus for printing forms. 2,249,245; July 15.
Hoge, John R., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Machine for forming hollow glass articles. 2,249,709; July 15.
Hokanson, Otto A., Snyder, and T. M. Wright, assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Selector mechanism for automatic phonographs. 2,249,246; July 15.
Holden, Artemas F. (See Solakian, Haig, assignor.)
Hollerith, Charles, assignor to Hayes Industries, Inc., Jackson, Mich. Brake construction. 2,249,139; July 15.
Holmes, Gifford I., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,248,924; July 15.
Holmes, Henry H., assignor to Wildt and Company Limited, Leicester, England. Loop transferring needle for knitting machines. 2,249,080; July 15.
Holmes, J. H., & Company Limited. (See Robertson, Alexander T., assignor.)
Holmes, Lawrence A., Whittier, and C. H. Bills, Los Angeles, Calif. Oil precleaner. 2,248,992; July 15.
Hooker Electrochemical Company. (See Kimball, Richard H., assignor.)
Hopkins, Robert K., West New Brighton, Staten Island, assignor to M. W. Kellogg Co., New York, N. Y. Armored article. 2,249,629; July 15.
Horine, Cyrus F., Baltimore, Md. Suture package. 2,249,289; July 15.
Houdaille-Hershey Corporation. (See Fergueson, Arthur P., assignor.)
Houdry, Eugene J., Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for controlling chemical reactions. 2,248,993; July 15.
Houdry, Eugene J., Ardmore, assignor to Houdry Process Corporation, Wilmington, Del. Combustion of carbon monoxide. 2,248,994; July 15.
Houdry Process Corporation. (See Houdry, Eugene J., assignor.)
Howton, James A., Freewater, Oreg., assignor to Howton Radio Alarm Company, Seattle, Wash. Radio alarm system. 2,249,560; July 15.
Howton Radio Alarm Company. (See Howton, James O., assignor.)
Huband, Fred, Detroit, Mich. Fuel injection pump for diesel engines. 2,249,656; July 15.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,248,995; July 15.
Hubbard, William E., assignor to Hydraulic Pumper Incorporated, Tulsa, Okla. Relief valve. 2,249,206; July 15.
Hufford, Raymond, Anderson, Ind. Spark control. 2,248,996; July 15.
Hughes, Ester, New York, N. Y., assignor to No-Run Corporation. Knitted fabric. 2,249,081; July 15.
Hull, David C., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Manufacture of anhydrides of aliphatic acids. 2,249,527; July 15.
Hummel, August. (See Decker, J. B., and Hummel.)
Hummel, August, Bernardsville, N. J. Signal pistol. 2,248,997; July 15.
Humuco Corporation. (See Moore, George A., assignor.)
Hussey, Stewart C. (See Sparks, C. E., Hussey, Reynolds, and Rossander.)

Hutchings, George F., St. Louis, Mo. Tire pressure indicator. 2,249,207; July 15.
Hyatt, Charles S., and J. C. Lowman, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio. Coated glass fabric. 2,249,528; July 15.
Hydraulic Press Corporation, The. (See MacMillin, Howard F., assignor.)
Hydraulic Pumper Incorporated. (See Hubbard, William E., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schleck, Paul, assignor.)
Illman, Martin, Edgemere, N. Y. Window cleaning device. 2,249,360; July 15.
Imelmann, Henry L., assignor to Permo Products Corporation, Chicago, Ill. Phonograph needle. 2,249,713; July 15.
Indemse Corp., The. (See Chambers, Edward G., assignor.)
Industrial Rayon Corporation. (See Knebusch, Walter F., assignor.)
Industrial Rayon Corporation. (See Knebusch, W. F., and Burkholder, assignors.)
Ingersoll-Rand Company. (See McHugh, Anthony L., assignor.)
Ingersoll-Rand Company. (See Robinson, Lloyd N., assignor.)
Ingersoll-Rand Company. (See Stenger, August M., assignor.)
Inglee, Robert, Westdale, Mass., assignor to The Murray Company, Dallas, Tex. Aligning machine. 2,249,140; July 15.
Inskeep, Harry V., Fanwood, N. J., assignor to Oxweld Acetylene Company. Welding tip. 2,249,361; July 15.
International Harvester Company. (See Harstick, William H., assignor.)
International Harvester Company. (See James, Howell N., assignor.)
International Harvester Company. (See MacDonald, R. D., and Hilblom, assignors.)
International Harvester Company. (See Rietz, Edward L., assignor.)
International Harvester Company. (See Smith, Hiram P., assignor.)
Irvine, Frank S., Greenlawn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Operator's position circuit. 2,249,362; July 15.
Jackson, John P., and R. C. Johnson, Marshall, assignors to H. Wolcott, Columbia, Mo. Electric sterilizer. 2,249,473; July 15.
Jackson, William G. (See Nairn, J. M., and Jackson.)
Jackson, William H., Birmingham, Mich., assignor, by mesne assignments, to The Udylite Corporation. Contact for electroplating machines. 2,249,609; July 15.
Jaeger, Edward. (See Bischoff, L., Loeffler, and Jaeger.)
Jagger, Claude A. (See Hamm, G. H., and Jagger.)
Jagger, Claude A., and G. H. Hamm, Schenectady, N. Y., assignors to General Electric Company. Electric terminal. 2,249,474; July 15.
Jahnel, Edwin J., Greenfield, Wis. Pipe wrench. 2,249,290; July 15.
Jahnel, Edwin J. (See Scolas, A. V., and Jahnel.)
James, Howell N., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Lift mechanism for implements. 2,249,630; July 15.
James, Robert F., Mahwah, N. J., and D. Hart, Durham, N. C., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Method and apparatus for medical purposes. 2,249,610; July 15.
Jarvis, W. B., Company. (See Dey, George E., assignor.)
Jelinek, Alfred F., and W. E. Gross, assignors to The Cleveland Automatic Machine Company, Cleveland, Ohio. Feed tube support. 2,249,561; July 15.
Jenkins, Alexander F., Baltimore, Md. Dispensing device. 2,249,082; July 15.
Jensen, John C. D., Rochester, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Fluid operated switch. 2,249,208; July 15.
Joeck, Thomas D., Belmar, N. J., assignor to Bendix Stromberg Carburetor Company, South Bend, Ind. Engine starting apparatus. 2,249,209; July 15.
Johnsen, Cortland W., Tacoma, Wash. Dispensing and closure cap for flexible tubes. 2,249,385; July 15.
Johnson, Anders G., and P. G. Sundberg, Denver, Colo. Boring machine. 2,248,998; July 15.
Johnson, Lloyd A., Hillsborough, assignor to National Oil Seal Co., Oakland, Calif. Fluid seal. 2,249,141; July 15.
Johnson, Herbert O., West Orange, N. J., assignor to The Padcraft Corporation, New York, N. Y. Pad. 2,249,363; July 15.
Johnson, Oscar G., Michigan City, Ind. Automatic sprinkler. 2,249,211; July 15.
Johnson, Oscar W., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Safety device for unloading plows for extractors. 2,249,210; July 15.
Johnson, Richmond C. (See Jackson, J. P., and Johnson.)
Johnson, Stanley G., assignor to Niles-Bement-Pond Company, Hartford, Conn. Internal thread gauge. 2,249,611; July 15.
Johnson, William E., Detroit, Mich. Composition for lining dental plates. 2,248,999; July 15.
Johnston, Clara E. (See Johnston, Robert T.)
Johnston, Edward C., and A. B. Webb, assignors to Robert A. Johnston Company, Milwaukee, Wis. Extrusion device. 2,249,311; July 15.
Johnston, Robert A., Company. (See Johnston, E. C., and Webb, assignor.)
Johnston, Robert T., deceased, Plainfield, by C. E. Johnston, administratrix, Newark, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y. Building material. 2,249,000; July 15.
Jones, Edward C., and T. B. Seay, San Antonio, Tex. Tire deflation and inflation indicator. 2,249,426; July 15.
Jones, Edward D., Pittsburgh, Pa. Hand control for motor vehicles. 2,249,291; July 15.
Jones & Lamson Machine Company. (See Lovely, J. E., and Gamble, assignors.)
Jones, Lloyd M., Fort Lauderdale, Fla. Louver panel construction. 2,249,386; July 15.
Jones, Oliver, Newark, N. J. Shoeshine stand. 2,249,247; July 15.
Joost, John C., Mount Vernon, N. Y., and C. Miller, assignors to Edwards and Company, Inc., Norwalk, Conn. Push button switch construction. 2,249,001; July 15.
Julian, Percy L., Oak Park, and A. G. Engstrom, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparation of vegetable phosphatides. 2,249,002; July 15.
Julian, Percy L., Maywood, and E. B. Oberg, Evanston, Ill., assignors to The Glidden Company, Cleveland, Ohio. Protein composition and method of making. 2,249,003; July 15.
Junkin, Malcolm P., Lansdowne, assignor to L. Wolf, Elkins Park, E. Wolf, Dresher, H. A. Wolf, Jenkintown, and W. L. Wolf, Rydal, Pa., doing business as National Metal Edge Box Company. Box for mailing a plurality of classes of merchandise. 2,249,657; July 15.
Kagel, Lewis A., Tuckahoe, N. Y., assignor to J. C. Penney Company. Display device. 2,249,142; July 15.
Kahlerth, Carl W. (See Smaltz, J. C., and Kahlerth.)
Kahn, David and J., North Bergen, assignors to David Kahn, Inc., North Bergen Township, Hudson County, N. J. Method of and apparatus for treating thermoplastic tubes. 2,249,004; July 15.
Kahn, Inc., David. (See Kahn, David and J., assignors.)
Kahn, Julius. (See Kahn, David and J.)
Kalowski, Phillip, assignor, by mesne assignments, to Golf Ball, Inc., Chicago, Ill. Making golf ball cores. 2,249,612; July 15.
Kapitza, Peter, Moscow, Union of Soviet Socialist Republics. Stabilizing high speed rotors. 2,249,292; July 15.
Karns, Sherman S., San Luis Obispo, Calif. Receptacle for poker chips. 2,249,005; July 15.
Kasten, Walter, Franklin, Mich., assignor to Skinner Aircraft Engines Incorporated, Washington, N. J. Valve mechanism for engines. 2,249,427; July 15.
Keeling, William O. (See Carvlin, G. M., and Keeling.)
Kellems Products Inc. (See Di Palma, Joseph, assignor.)
Kelley, Francis E., Providence, R. I. Spindle. 2,249,387; July 15.
Kellogg Company. (See Marshall, Donald E., assignor.)
Kellogg Company. (See Thompson, Joseph J., assignor.)
Kellogg, William D. (See Fradenburgh, J., and Kellogg, assignors.)
Kellogg, M. W., Co. (See Hopkins, Robert K., assignor.)
Kelly, Clyde W. (See Rumney, M. P., and Kelly.)
Kelly, Clyde W., assignor to Detroit Steel Products Company, Detroit, Mich. Window. 2,249,248; July 15.
Kemner, Theodore B., Quincy, Ill. Scaffold. 2,249,658; July 15.
Kempel, Arthur B., assignor to Rex-Hide, Incorporated, East Brady, Pa. Brake liner fastening. 2,249,428; July 15.
Kendall, Marcus T. (See Ryan, W. J., and Kendall.)
Kenyon, William O. (See McDowell, W. H., and Kenyon.)
Kern, Rudolf, Gladbach-Rheydt, Germany. Stapling continuous artificial fiber. 2,249,083; July 15.
Kerns, Fred R., and A. O. Codney, Cleveland Heights, assignors to Willard Storage Battery Company, Cleveland, Ohio. Battery conveying and dumping apparatus. 2,249,659; July 15.
Kershenstein, William J., Detroit, Mich. Can puncturing device. 2,249,631; July 15.
Kesselring, Fritz, Berlin-Frohnau, P. Duffing, Berlin-Siemensstadt, and J. Behringer, Berlin-Friedrichsfelde, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,249,006; July 15.
Kessler, Frank, Villa Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,249,475; July 15.
Kestenbaum, Israel X. (See Rabinowicz, Mechel, assignor.)
Kiesel, Oskar, Munich, Germany, and H. Arquint, Sursee, Switzerland. Control gear for explosion of internal combustion engines. 2,249,143; July 15.
Kimball, Richard H., Lewiston, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Reaction products of sulphur chloride with olefins and producing the same. 2,249,312; July 15.
King, Harry L., International Falls, Minn. Hair clipper. 2,249,293; July 15.

Kinkead, Fullerton S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter switching system. 2,249,429; July 15.
Kinneberg, Ivar H., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,249,613; July 15.
Kinzie, Charles J., and C. H. Commons, Jr., Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Making enamelware. 2,249,007; July 15.
Kirby, James B., West Richfield, assignor to The Apex Electrical Manufacturing Company as trustee, Cleveland, Ohio. Washing machine. 2,249,562; July 15.
Kistler, Samuel S., assignor to Norton Company, Worcester, Mass. Abrasive body and manufacture thereof. 2,249,278; July 15.
Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Manufacturing abrasive articles. 2,249,279; July 15.
Kleina, Ignatius J., San Francisco, Calif. Handle means for containers. 2,249,144; July 15.
Kline, Leon F., Franklin, W. Va. Crankpin grinding apparatus. 2,249,388; July 15.
Klinker, John J., assignor to A. W. Cash Company, Decatur, Ill. Combustion control. 2,249,008; July 15.
Knebusch, Walter F., Rocky River, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for continuously processing thread or the like. 2,249,710; July 15.
Knebusch, Walter F., Rocky River, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Method of manipulating thread or the like. 2,249,711; July 15.
Knebusch, Walter F., Rocky River, and A. H. Burkholder, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for processing thread. 2,249,712; July 15.
Knight, John A., Hamilton, Ontario, Canada. Electric hot plate. 2,249,476; July 15.
Knights, John R., Claremont, N. H., assignor to Sullivan Machinery Company. Article feeding mechanism. 2,249,529; July 15.
Knox, Theodore M., Chicago, Ill. Feather drying machine. 2,249,563; July 15.
Kobos, Frank, Houston, Tex. Screw driver sharpener and shaper. 2,249,084; July 15.
Koch, William, assignor to Hercules Powder Company, Wilmington, Del. Insulated electrical conductor. 2,249,280; July 15.
Köhler, Erwin, Stuttgart-Feuerbach, Germany. Device for preventing the unintentional shutting of doors. 2,249,294; July 15.
Kolb, Paul H., Williamsport, Pa. Speed indicating and controlling device. 2,249,389; July 15.
Kolbe, Joachim, Hanover, Germany. Vehicle body suspension means. 2,249,212; July 15.
Kollsman, Paul, New York, N. Y. Shock absorber. 2,249,530; July 15.
Koppers Company. (See Carvlin, G. M., and Keeling, assignors.)
Koppers Company. (See Koppers, Heinrich, assignor.)
Koppers Company. (See Soulary, Paul, assignor.)
Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Apparatus for the distillation of high-boiling liquids. 2,249,009; July 15.
Kraft, Louis, Englewood, N. J. Scalp treating device. 2,249,145; July 15.
Krebs, Luther E. (See Hartmann, E., and Krebs.)
Kropp, Willis A., assignor to Victor Adding Machine Company, Chicago, Ill. Duplicating machine. 2,249,313; July 15.
Krug, Rudolf, Forbach, Murgtal, Germany. Lathe. 2,249,146; July 15.
Kuban, Kurt W., assignor, by mesne assignments, to The Central National Bank at Battle-Creek, Battle Creek, Mich. Slicing machine. 2,249,213; July 15.
Kuehni, Hans P., Schenectady, assignor to General Electric Company. Electric gauge. 2,249,477; July 15.
Kuenhold, Otto J., Sr., Shaker Heights, assignor to Monmouth Products Company, Cleveland, Ohio. Water pressure governor. 2,249,010; July 15.
Küppers, Josef, Gladbach-Rheydt, Germany. Quick traverse winding frame. 2,249,147; July 15.
Kurtzon, George B., Chicago, Ill., assignor to Garden City Plating & Mfg. Co., Inc. Sliding door lock. 2,249,214; July 15.
Kvalnes, Donovan E. (See Rossander, S. S., Kvalnes, and Sparks.)
Ladewig, Archie E., Waukesha, Wis. Bottle washer stop. 2,249,614; July 15.
Lambert, Russell A., assignor to Brooks Bank Note Company, Springfield, Mass. Display box. 2,249,430; July 15.
Landahl, Eugene E., Columbus, Ohio. Overhead conveyer. 2,249,531; July 15.
Landis Tool Company. (See Balsiger, Harold E., assignor.)
Lane, George J., Metuchen, N. J., and D. S. Phelps, Harvard, Mass., assignors to Edgar Brothers Company, Metuchen, N. J. Fractionation of clay. 2,249,570; July 15.
Lane, Harold, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe upper conforming machine. 2,249,011; July 15.
Lane-Wells Company. (See Meddick, Lorrain D., assignor.)
Lane-Wells Company. (See Quintrell, Harry J., assignor.)
Lang, John, New York, N. Y. Smoking pipe. 2,249,571; July 15.
Lang, Joseph W., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo colored composition. 2,249,314; July 15.
Lang, Laurence F. (See Brady, J. R., and Lang.)
Lange, Frederick E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,249,215; July 15.
Lange, Karl, Berlin, Germany. Coating electrodes for arc welding. 2,249,085; July 15.
La Penna, Patsy. (See Drucker, A., and La Penna.)
Larkin Coils, Inc. (See Lee, Cornelius P., assignor.)
Laskaris, Costas N., New York, N. Y. Hair curler. 2,249,315; July 15.
Lassmann, Max, New York, N. Y. Liquid spraying container. 2,249,478; July 15.
La Vair Corp. (See Shirley, G. B., and Strickel, assignors.)
Lawless, Christopher J., Ericson, Nebr. Combination runway and brooder. 2,249,295; July 15.
Lay, Willard V., Denver, Colo. Vaginal diaphragm. 2,249,316; July 15.
Leach, Edward A., Schenectady, N. Y., assignor to General Electric Company. Stop means for rotary inductances. 2,249,479; July 15.
Le Blond, R. K., Machine Tool Company, The. (See Groene, Willard L., assignor.)
Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Meyer, assignors.)
Lee, Cornelius P., assignor to Larkin Coils, Inc., Atlanta, Ga. Milk cooler. 2,249,660; July 15.
Leech, Russ B. (See Murray, J. D., and Leech.)
Leegard, Clifford W., Fort Wayne, Ind., assignor to General Electric Company. Compressor valve. 2,249,480; July 15.
Leonard, Merrill G., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective device for electrical apparatus. 2,249,012; July 15.
Leonard, Vincent W., Saugus, Mass., assignor to General Electric Company. Traffic signal controller. 2,249,481; July 15.
Lessman, Gerhard, assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,249,216; July 15.
Levengood, Paul B., Los Angeles, Calif. Cleaning apparatus. 2,249,013; July 15.
Levitt, Percy B. (See Morgan, J. D., and Levitt.)
Levy, Max, and R. I. Shank, assignors to Shanley Products Corp., New York, N. Y. Cigarette case and server. 2,249,632; July 15.
Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Synchronizing and background control for television receivers. 2,249,532; July 15.
Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Television receiver including black-level control. 2,249,533; July 15.
Lieber, Dora, executrix. (See Lieber, Hugo.)
Lieber, Eugene, Linden, N. J., assignor to Standard Oil Development Company. Pour point depressant. 2,249,317; July 15.
Lieber, Eugene, Linden, N. J., assignor to Standard Oil Development Company. Addition agent for lubricating oils. 2,249,564; July 15.
Lieber, Eugene, Staten Island, N. Y., assignor to Standard Oil Development Company. Lubricating oil ingredients and a method of producing them. 2,249,565; July 15.
Lieber, Hugo, deceased, by D. Lieber, executrix, New York, N. Y., assignor to Lieber Patents Corporation. Wearable bone-conduction hearing aid. 2,249,572; July 15.
Lieber Patents Corporation. (See Lieber, Hugo.)
Lincoln, Bert H., W. L. Steiner, and A. Henriksen, deceased (by J. W. Wolfe, administrator), Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating oil. 2,248,925; July 15.
Lincoln, John C. (See Neely, Wiliam H., assignor.)
Lincoln, John C. (See Sandor, William C., assignor.)
Line Material Company. (See Schultz, William O., assignor.)
Lingal, Harry J., and H. J. Crabbs, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Distribution cutout. 2,249,014; July 15.
Link-Belt Company. (See Sayers, W. W., Tark, and Watson, assignors.)
Lintern Corporation, The. (See Christman, J. N. H., and Lintern, assignors.)
Lintern, William A. (See Christman, J. N. H., and Lintern.)
Lipe, W. C., Inc. (See Root, Robert S., assignor.)
Liquafilm Corporation, The. (See Murray, John D., assignor.)
Littlefield, Stanley E., Rockport, Mass. Holding attachment for pliers. 2,249,661; July 15.
Livingston, Aleda L., Hollywood, Calif. Hospital brassière. 2,249,296; July 15.
Locke, Andrew O., assignor to The Electron Corp., Denver, Colo. Fluorescent lamp fixture. 2,249,318; July 15.
Loeffler, Rupert, Jr. (See Bischoff, L., Loeffler, and Jaeger.)

Logan, John W., Jr., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,249,015; July 15.

Löhner, Kurt, assignor of the firm: Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany. Device for cooling air-cooled internal combustion engines with the cylinders arranged in rows. 2,249,319; July 15.

Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Traffic signaling system. 2,249,217; July 15.

Lorenz, C., Aktiengesellschaft. (See Goldmann, Joachim, assignor.)

Lovely, John E., and R. M. Gamble, assignors to Jones & Lamson Machine Company, Springfield, Vt. Lathe. 2,249,148; July 15.

Lowenherz, Oscar, New York, N. Y., assignor to R. Groetchen, Chicago, Ill. Ball game apparatus. 2,249,566; July 15.

Lowman, John C. (See Hyatt, C. S., and Lowman.)

Lubri-Zol Development Corporation. (See Lincoln, B. H., Steiner, and Henriksen, assignors.)

Lubszynski, Hans G., Hillingdon, and J. D. McGee, Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electron multiplying electrode. 2,249,016; July 15.

Lumbard, Henry G. (See Schlear, William M., assignor.)

Lutz, Frederick, Stuttgart, Wurttemberg, Germany, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,249,615; July 15.

Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)

Lytle, Arthur R., Niagara Falls, N. Y., and T. H. Vaughn, Trenton, Mich., assignors to Oxweld Acetylene Company. Coated welding rod. 2,249,017; July 15.

Macallum, Alexander D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acetylenic acid-polyhydric alcohol resins. 2,249,535; July 15.

Macchi, Aldo, Belleville, N. J., assignor to General Electric Company. Oil burner nozzle. 2,249,482; July 15.

MacDonald, Raymore D., Western Springs, and S. E. Hillblom, Chicago, Ill., assignors to International Harvester Company. Tractor mower. 2,249,633; July 15.

MacIntosh, Charles L., Attleboro, Mass. Bracelet linkage. 2,249,086; July 15.

MacMillin, Howard F., Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del. Auxiliary hydraulic device for presses. 2,249,149; July 15.

Magrath, George H., Whitinsville, Mass. Bobbin clutch. 2,249,150; July 15.

Magrath, George H., Whitinsville, Mass. Bobbin clutch. 2,249,151; July 15.

Mahl, Hans. (See Boersch, H., and Mahl.)

Mahler, Otto, Monbard, France. Heddle. 2,249,390; July 15.

Mallory, P. R., & Co. (See Hensel, Franz R., assignor.)

Marion Metal Products Company, The. (See Brady, J. R., and Lang, assignors.)

Marple, Rollo, and A. F. Baker, assignors to Hancock Manufacturing Company, Jackson, Mich. Locking device. 2,249,018; July 15.

Marshall, Donald E., assignor to Kellogg Company, Battle Creek, Mich. Oven. 2,249,152; July 15.

Martin, Lynn P., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Reservoir desk stand. 2,249,616; July 15.

Martin, Wade B., Westwood, N. J., assignor to American Telephone and Telegraph Company. Testing device. 2,249,153; July 15.

Masters, Edwin L., Chicago, Ill. Hand cart. 2,249,019; July 15.

Mastic Asphalt Corporation. (See Mulderink, Henry A., assignor.)

Mathey, Alcide E. (See Scully, F. P., and Mathey.)

Matthews, George A., assignor to The Detroit Edison Company, Detroit, Mich. Interlocking circuit breaker. 2,249,662; July 15.

Maurer, Keith L., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone ringing system. 2,249,154; July 15.

McAndrews & Forbes Company. (See Swift, C. K., and Treichel, assignors.)

McBurney, James E., Alton, Ill., assignor to Owens-Illinois Glass Company. Glass melting furnace. 2,249,714; July 15.

McCaa, David G., Lancaster, Pa. Static reducing device. 2,249,534; July 15.

McCaffrey, Frank, Seattle, Wash. Keyboard and music staff memorizer. 2,249,391; July 15.

McCann, George K., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,249,220; July 15.

McCass Company, The. (See Morrison, James H., assignor.)

McDermott, Carl, Freehold, N. J. Liquid level apparatus. 2,249,321; July 15.

McDowell, Wendell H., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Reversible gel compositions of polyvinyl alcohols and hydroxybenzaromatic amides and their preparation. 2,249,537; July 15.

McDowell, Wendell H., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Reversible gel compositions of polyvinyl alcohol and substituted hydroxy aromatic compounds and their preparation. 2,249,538; July 15.

McDowell, Wendell H., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Reversible gel compositions of polyvinyl alcohols and hydroxy aromatic compounds and their preparation. 2,249,536; July 15.

McGee, James D. (See Lubszynski, H. G., and McGee.)

McFarlin, William K., East Orange, N. J. Strainer. 2,249,020; July 15.

McGehee, Edward C., Ashland, Ky. Sphygmomanometer. 2,249,320; July 15.

McHugh, Anthony L., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Oiling device. 2,249,021; July 15.

McKiernan-Terry Corporation, The. (See Smaltz, J. C., and Kahlerth, assignors.)

McNally, James G. (See Dickey, J. B., and McNally.)

McQuaid, Irene C., New York, N. Y. Toilet seat. 2,249,322; July 15.

McQuay-Norris Manufacturing Company. (See Detjen, Albert W., assignor.)

Meade, Alexis E. and M. L., Lakewood, Ohio. Knife sharpener. 2,249,218; July 15.

Meade, Margaret L. (See Meade, Alexis E. and M. L.)

Meath, Paul L., Houston, Tex. Apparatus for applying heat to articles to be repaired. 2,249,249; July 15.

Meddick, Lorrain D., assignor to Lane-Wells Company, Los Angeles, Calif. Packing means for bridging plugs. 2,249,155; July 15.

Meehan, John P. (See Parker, George B. and L. L., and Meehan.)

Meisel, Charles A., Milton, assignor to Meisel Press Manufacturing Company, Boston, Mass. Printing press. 2,248,926; July 15.

Meisel Press Manufacturing Company. (See Meisel, Charles A., assignor.)

Menard, Ernest T., Los Angeles, Calif. Combination hauling device. 2,249,250; July 15.

Mentley, Max B., assignor to National Broach & Machine Company, Detroit, Mich. Method of and apparatus for crowning gears. 2,249,251; July 15.

Mentley, Max B., assignor to National Broach & Machine Company, Detroit, Mich. Gear finishing. 2,249,252; July 15.

Merolle, Augustus L., assignor to Empire Metal Cap Co., Inc., Brooklyn, N. Y. Closure cork structure. 2,249,022; July 15.

Merrill, Josiah L., Jr., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,249,156; July 15.

Messer & Company, G. m. b. H. (See Bechtle, R., and Habmermehl, assignors.)

Metal Limb Manufacturers, Inc. (See Sansbury, Lemuel C., assignor.)

Meyer, Walter R. (See Groene, W. F., and Meyer.)

Michaelson, Jesse L., Schenectady, N. Y., assignor to General Electric Company. Light indicating apparatus. 2,249,483; July 15.

Miles, Lawrence D., Ballston Lake, N. Y., assignor to General Electric Company. Electric discharge apparatus. 2,249,485; July 15.

Miller, Charles W. (See Bancraft, F. E., and Miller.)

Miller, Christian. (See Joost, J. C., and Miller.)

Miller, Leo B., and H. F. Dever, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,249,484; July 15.

Milton, John L. (See Mourning, G. H., and Richterkessing, assignors.)

Milwaukee Gas Specialty Company. (See Thornbery, John H., assignor.)

Minaeff, Michael G., Metuchen, J. P. Greze, Plainfield, and R. J. Priepke, assignors, by mesne assignments, to A. C. Barnes Company, Inc., New Brunswick, N. J. Preparing colloidal silver iodide composition and the product. 2,249,023; July 15.

Minco Products Corporation. (See Minkow, Julius M., assignor.)

Mincoff, Anthony D. (See Bryan, Joseph H., assignor.)

Minkow, Julius M., assignor to Minco Products Corporation, New York, N. Y. Gluing machine. 2,249,024; July 15.

Minneapolis-Honeywell Regulator Company. (See Holmes, Gifford I., assignor.)

Minneapolis-Honeywell Regulator Company. (See Lange, Frederick E., assignor.)

Minneapolis-Honeywell Regulator Company. (See Miller, L. B., and Dever, assignors.)

Minneapolis-Honeywell Regulator Company. (See Olson, Harold T., assignor.)

Minneapolis-Honeywell Regulator Company. (See Taylor, Daniel G., assignor.)

Minnick, Charles E., Union Bridge, Md. Picture frame. 2,249,663; July 15.

Mitchell, Doren, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing apparatus. 2,249,323; July 15.

Mix & Genest Aktiengesellschaft. (See Müllerheim, Kurt, assignor.)

Modern Collet & Machine Company. (See Baxendale, Samuel, assignor.)

Moeller, Carl A., assignor to Norfolk Paper Co., Inc., Randolph, Mass. Box making machine. 2,249,431; July 15.

Moeller, Carl A., assignor to Norfolk Paper Co., Inc., Randolph, Mass. Box making machine. 2,249,432; July 15.

Molnar, Imre, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,249,486; July 15.

Monmouth Products Company. (See Kuenhold, Otto J., Sr., assignor.)

Moore, George A., assignor to Humoco Corporation, Louisville, Ky. Container and making the same. 2,249,392; July 15.

Morgan, John D., South Orange, and P. B. Levitt, Millburn, N. J., assignors, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Method of and apparatus for testing ignition coils. 2,249,157; July 15.

Morrell, Charles E. (See Wilson, C. J., and Morrell.)

Morris, John H., Cleveland, Ohio. Tooth and gum exerciser. 2,249,721; July 15.

Morrison, Louis A., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic transducer. 2,249,158; July 15.

Morrison, James H., assignor to The McCass Company, Los Angeles, Calif. Closure and spout for containers. 2,249,574; July 15.

Morse, Robert H., Jr., Chicago, Ill. Engine indicator. 2,249,573; July 15.

Morton, Eric A., Coventry, H. Ashton, Slattocks, Rochdale, and W. Hardacre, Bradley, near Keighley, assignors to Courtaulds Limited, London, England. Productiton of staple fiber. 2,249,664; July 15.

Morton, George A. (See Flory, L. E., and Morton.)

Morton, George A. (See Ramberg, E. G., and Morton.)

Morton, George A., Audubon, and E. G. Ramberg, Haddon Heights, N. J., assignors to Radio Corporation of America. Electron-optical device. 2,249,025; July 15.

Moseley, James T. W., Webster Groves, and G. R. Ericson, Kirkwood, Mo. Starter switch. 2,249,221; July 15.

Moseley, Tomlinson I., San Francisco, Calif. Air conditioning apparatus. 2,249,159; July 15.

Moto-Sway Corporation of America. (See Aron, Edmund, assignor.)

Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,249,160; July 15.

Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic device. 2,249,161; July 15.

Mourning, Garland H., and F. H. Richterkessing, assignors to J. L. Milton, Louisville, Ky. Airplane. 2,249,026; July 15.

Mueller Brass Co. (See Gray, J. E., and Parker, assignors.)

Mueller, Louis J., Martinsburg, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md. Rotary kiln. 2,249,087; July 15.

Muffett, Robert B., Merchantville, N. J. Antibacklash device for fishing reels. 2,249,297; July 15.

Mugdan, Martin. (See Sixt, J., and Mugdan.)

Mugdan, Martin. (See Wimmer, J., and Mugdan.)

Mulderink, Henry A., assignor to Mastic Asphalt Corporation, South Bend, Ind. Building corner piece. 2,249,027; July 15.

Mulderink, Henry A., assignor to Mastic Asphalt Corporation, South Bend, Ind. Building corner and making the same. 2,249,028; July 15.

Müllerheim, Kurt, Berlin-Charlottenburg, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany. Motor driving device for selectors in communication systems. 2,249,029; July 15.

Murray Company, The. (See Inglee, Robert, assignor.)

Murray, John D., assignor to The Liquafilm Corporation, Chicago, Ill. Coating apparatus and method. 2,249,088; July 15.

Murray, John D., and R. B. Leech; said Murray assignor to Murray Liquafilm Corporation; said Leech assignor to Standard Process Corporation, Chicago, Ill. Coating method and apparatus. 2,249,089; July 15.

Murray Liquafilm Corporation. (See Murray, J. D., and Leech.)

Musolf, Herbert G., Long Beach, Calif. Liquid separating container. 2,249,487; July 15.

Myerson, Simon, Brookline, Mass. Shade guide holder. 2,249,634; July 15.

Naftali, Henry. (See Naftali, Valentine, H., and R.)

Naftali, Rudolf. (See Naftali, Valentine, H., and R.)

Naftali, Valentine, H. and R., assignors, by mesne assignments, to American Machine & Foundry Company, New York, N. Y. Method of and method for making neckties or similar articles. 2,249,253; July 15.

Nairn, John M., East Orange, and W. G. Jackson, Jersey City, N. J., assignors to General Motors Corporation, Detroit, Mich. Apparatus for heat treating and quenching. 2,249,219; July 15.

Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starter. 2,249,393; July 15.

National Automatic Tool Company, The. (See Schafer, Robert A., assignor.)

National Broach & Machine Company. (See Mentley, Max B., assignor.)

National Lead Company. (See Stewart, Alexander, assignor.)

National Malleable and Steel Castings Company. (See Blackmore, William, assignor.)

National Oil Seal Co. (See Johnson, Lloyd A., assignor.)

National Time & Signal Corporation. (See Fulton, Rolland S., assignor.)

National Tube Company. (See Reese, William H., assignor.)

Nazzewski, Mathew. (See Robinson, P., and Nazzewski.)

Neale, Herbert, Los Angeles, Calif. Electric accumulator. 2,249,030; July 15.

Neebe, Lawrence L., Woodbury, and W. A. Bardsley, Oaklyn, N. J. Locomotive cab support. 2,249,617; July 15.

Neely, William H., Cleveland, Ohio, assignor to J. C. Lincoln, Scottsdale, Ariz. Yielding clip connection for spring seat structures. 2,249,031; July 15.

Nelson, Martin L. (See Bellamy, J. I., Nelson, and Obergfell.)

Neuman, Jacob J., assignor to United States Patent Development and Royalty Company, South Salem, N. Y. Screening device for bag filling machines. 2,249,715; July 15.

Newcomb, Thomas S., Rochester, N. Y. Making stitchdown shoes. 2,249,635; July 15.

Nicholson, Frank H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Approach control apparatus for railway signaling systems. 2,249,722; July 15.

Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Timing device. 2,249,488; July 15.

Nielsen, Adolph E., Alameda, Calif. Threadless interlocking coupling. 2,249,162; July 15.

Niles-Bement-Pond Co. (See Johnson, Stanley G., assignor.)

Nissen, John P., Jr., Noble, Pa. Implement for applying fluent materials. 2,249,163; July 15.

Noack, Walter G., assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Combustion apparatus. 2,249,489; July 15.

Noffsinger, Fred P., Greeley, Colo. Potato digger. 2,249,394; July 15.

Norfolk Paper Co. (See Moeller, Carl A., assignor.)

Norton Company. (See Kistler, Samuel S., assignor.)

No-Run Corporation. (See Hughes, Ester, assignor.)

Nürnberg, Werner, Berlin-Weissensee, Germany, assignor to General Electric Company. Current responsive device. 2,249,490; July 15.

Nygren-Dahly Company. (See Nygren, Henry C., assignor.)

Nygren, Henry C., assignor to Nygren-Dahly Company, Chicago, Ill. Table construction for paper drills. 2,249,222; July 15.

Oakes, George W., Crystal City, Mo. Removable tire chain. 2,249,665; July 15.

Oberg, Elmer B. (See Julian, P. L., and Oberg.)

Obergfell, Herbert F. (See Bellamy, J. I., Nelson, and Obergfell.)

O'Brien, James J., and J. Strad, Chicago, Ill. Ticket cutting machine. 2,249,575; July 15.

O'Brien, Jerry H., Wichita, Kans. Awning. 2,249,491; July 15.

O'Grady, Frederick T., Flushing, N. Y. Color photography. 2,249,032; July 15.

O'Grady, Frederick T., Flushing, N. Y. Apparatus for printing motion picture films. 2,249,033; July 15.

Oermann, Carl H., York, Pa. Seat unit. 2,249,539; July 15.

Oil Well Supply Company. (See Shimer, John M., assignor.)

Oliver, John R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Seam-reducing machine. 2,249,034; July 15.

Olson, Harold T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,249,223; July 15.

Olson, Nels K., Seattle, Wash., assignor to American Telephone and Telegraph Company. Electrical measuring system. 2,249,164; July 15.

Oman, Carl. (See Young, D. A., and Oman.)

Oneida Paper Products, Inc. (See Bischoff, L., Loeffler, and Jaeger, assignors.)

Orr, John B., Jr., Sewickley, Pa. Welding noncorrosive metal member. 2,249,723; July 15.

Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Method and apparatus for size reduction. 2,249,364; July 15.

Osborn, William D., Los Angeles, Calif. Pickup hook for broken rods. 2,249,254; July 15.

Oster, Philip R. (See Snell, S. A., and Oster.)

Ostling, William. (See Vanderpoel, A. G. H., and Ostling.)

Owens-Illinois Glass Company. (See Hoge, John R., assignor.)

Owens-Illinois Glass Company. (See McBurney, James E., assignor.)

Owner, Frank M., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Lubrication system of internal-combustion engines. 2,249,165; July 15.

Oxweld Acetylene Company. (See Inskeep, Harry V., assignor.)

Oxweld Acetylene Company. (See Lytle, A. R., and Vaughn, assignors.)

Oxweld Acetylene Company. (See Young, Lloyd W., assignor.)

Padcraft Corporation, The. (See Johnson, Herbert O., assignor.)
Palmer, John B., Fort Wayne, Ind. Reel. 2,249,433; July 15.
Parker, George B., East Orange, L. L. Parker, Ridgewood, and J. P. Meehan, Harrington Park, N. J., assignors to American Telephone and Telegraph Company. Electrical probe. 2,249,166; July 15.
Parker, Lloyd L. (See Parker, George B. and L. L., and Meehan.)
Parker, Louis W., Astoria, assignor, by mesne assignments, to C. T. Allen, New York, N. Y. Television film projector. 2,249,167; July 15.
Parker, William M. (See Gray, J. E., and Parker.)
Partlow Corporation, The. (See Clark, James K., assignor.)
Parva Products Company. (See White, Paul W., assignor.)
Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Cash register. 2,249,224; July 15.
Pateras, Pescara, Raul, Neuilly sur Seine, France, assignor of three-tenths to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland. Free piston machine. 2,249,397; July 15.
Patzer, William, and W. A. Tratsch, Chicago, Ill. Coin chute. 2,249,225; July 15.
Payne, Lambert M., Detroit, Mich. By-pass thermostat valve mechanism. 2,249,576; July 15.
Pearson, Emil J., Edgewater, N. J., assignor to Hammel Oil Burning Equipment Co., Inc., Providence, R. I. Fuel burner. 2,249,434; July 15.
Pearson, Gustav C., Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill. Rock drill feed mechanism. 2,249,716; July 15.
Peek, Robert L., Jr., Townley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polarized relay. 2,249,577; July 15.
Peele Company, The. (See Allen, Arthur A., assignor.)
Penn Electric Switch Company. (See Shaw, Burton E., assignor.)
Pennell, Ford, Webster Groves, Mo. Line connector. 2,249,492; July 15.
Penney, J. C., Company. (See Kagel, Lewis A., assignor.)
Perkins, Kenneth, Scotch Plains, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electrical connector. 2,249,618; July 15.
Perkins, Kenneth, Scotch Plains, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electrical plug connector. 2,249,619; July 15.
Permo Products Corporation. (See Imelmann, Henry L., assignor.)
Pervel Corporation. (See De Witt, Francis, assignor.)
Peters, Albert P., San Francisco, Calif. Wheel aligning device. 2,249,226; July 15.
Peters, Norman J., assignor to Damrow Brothers Company, Fond du Lac, Wis. Pasteurizer. 2,249,036; July 15.
Peterson, Carl D., and E. J. Barth, Toledo, Ohio. Power and transmission unit. 2,249,035; July 15.
Pfanstiehl, Carl, Highland Park, Ill., assignor to Babson Bros. Co. Electric fence. 2,249,696; July 15.
Pflasterer, George R., Greenville, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway crossing protection. 2,249,037; July 15.
Phelps, Donald S. (See Lane, G. J., and Phelps.)
Phelps, Donald S., Harvard, Mass., assignor to Edgar Brothers Company, Metuchen, N. J. Treatment of clay by flotation. 2,249,569; July 15.
Philco Radio and Television Corporation. (See Grimditch, William H., assignor.)
Philco Radio and Television Corporation. (See Thompson, Elmer O., assignor.)
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Reinforced piston ring. 2,249,255; July 15.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston inner ring or expander. 2,249,256; July 15.
Phipps, John T., Huntington Park, Calif. Roller bit. 2,249,578; July 15.
Pietsch, Herbert. (See Borchardt, E., and Pietsch.)
Pistor, Wilhelm, Berlin-Reinickendorf, and P. Walther, Berlin-Kopenick, Germany, assignors to General Electric Company. Connection for electric condensers. 2,249,493; July 15.
Plant Equipment Corporation. (See Edwards, Claude M., assignor.)
Plaskon Company. (See Simons, John K., assignor.)
Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Yarns and fabrics. 2,249,039; July 15.
Ploch, Alex T., Carpenter, Tex. Cactus burner. 2,249,398; July 15.
Poirette Corsets, Inc. (See Robbins, Philip H., assignor.)
Pollack, Lazurus W., New York, N. Y. Axle for doll's eye. 2,249,636; July 15.
Porsche, F., Dr. ing. h. c., K.-G. (See Rabe, Karl, assignor.)
Potter, John T., Brooklyn, N. Y. Multiple recorder. 2,249,324; July 15.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,249,040; July 15.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Motor control and phasing. 2,249,435; July 15.
Premo, Ray A., Portland, Oreg. Book match. 2,249,168; July 15.
Prentis, Louis N. (See Garllus, Bernt, assignor.)
Press, Carl, assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,249,227; July 15.
Preston, Samuel J., Newark, N. J. Portable vapor bath. 2,249,436; July 15.
Priepke, Rudolf J. (See Minaeff, M. G., Greze, and Priepke.)
Prophet, Richard D. (See Duncan, D. J., and Prophet.)
Pruckner, Anton A., Bridgeport, Conn., assignor to Superior Tube Company, Philadelphia, Pa. Chuck. 2,249,169; July 15.
Pruckner, Anton A., Norristown, assignor to Superior Tube Company, Philadelphia, Pa. Apparatus for forming tubular elements. 2,249,325; July 15.
Quarzlampen-Gesellschaft m. b. H. (See Seitz, Ernst O., assignor.)
Quintrell, Harry J., San Gabriel, assignor to Lane-Wells Company, Los Angeles, Calif. Liner hanger. 2,249,170; July 15.
Quintrell, Harry J., San Gabriel, assignor to Lane-Wells Company, Los Angeles, Calif. Bridging plug packing sleeve. 2,249,171; July 15.
Quintrell, Harry J., San Gabriel, assignor to Lane-Wells Company, Los Angeles, Calif. Circulation bridging plug. 2,249,172; July 15.
Rabe, Karl, Stuttgart, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Fuel transfer pump. 2,249,326; July 15.
Rabinowicz, Mechel, assignor of one-half to I. X. Kestenbaum, London, England. Geyser. 2,249,090; July 15.
Radio Corporation of America. (See Brown, George H., assignor.)
Radio Corporation of America. (See Carlson, W. L., and Conron, assignors.)
Radio Corporation of America. (See Flory, L. E., and Morton, assignors.)
Radio Corporation of America. (See Green, Norval H., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Morton, G. A., and Ramberg, assignors.)
Radio Corporation of America. (See Ramberg, E. G., and Morton, assignors.)
Radio Corporation of America. (See Shepard, Francis H., Jr., assignor.)
Radio Corporation of America. (See Tringham, William S. L., assignor.)
Radio Corporation of America. (See von Ardenne, Manfred, assignor.)
Radio Corporation of America. (See Zworykin, Vladimir K., assignor.)
Rairigh, Maximillian A., Oil City, Pa. Fly dressing applier. 2,249,327; July 15.
Ramberg, Edward G. (See Morton, G. A., and Ramberg.)
Ramberg, Edward G., Haddon Heights, and G. A. Morton, Audubon, N. J., assignors to Radio Corporation of America. Electron-image device. 2,249,041; July 15.
Ramo, Simon, Schenectady, N. Y., assignor to General Electric Company. High frequency apparatus. 2,249,494; July 15.
Rapley, Harold H., Bedford, and G. H. Rawlins, Kempston, England. Delivering mechanism for newspapers or the like. 2,249,666; July 15.
Ratti, Luis P., Buenos Aires, Argentina. Therapeutic chair for hemorrhoids. 2,249,298; July 15.
Rawley, Joseph, and D. P. Croisant, Flint, assignors to General Motors Corporation, Detroit, Mich. Transmission shift mechanism. 2,249,173; July 15.
Rawlins, George H. (See Rapley, H. H., and Rawlins.)
Rea, John G., Union City, N. J. Circulation promotion device. 2,249,579; July 15.
Reconstruction Finance Corporation. (See Black, William A., assignor.)
Reese, William H., Lorain, Ohio, assignor to National Tube Company. Oil valve for cutting machines. 2,249,395; July 15.
Refining, Inc. (See Clayton, Benjamin, assignor.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Reger, Martin. (See Friederich, E., Reger, and Galdies.)
Reichelt, Frederick W., Ansonia, Conn. Device for stemming leaves and flowers. 2,249,567; July 15.
Reo Motors, Inc. (See Flognus, Howard A., assignor.)
Respro Inc. (See Hanley, Albert J., assignor.)
Reuter, John, Brooklyn, N. Y. Souvenir novelty. 2,249,495; July 15.
Revere Copper and Brass Incorporated. (See Wilkins, Richard A., assignor.)
Reynolds, William B. (See Sparks, C. E., Hussey, Reynolds, and Rossander.)
Rex-Hide, Incorporated. (See Kempel, Arthur B., assignor.)

Rheinmetall-Borsig Aktiengesellschaft. (See Braun, R., and Herlach, assignors.)
Riccio, Benjamin A., South Norwalk, Conn. Generator brush releasing tool. 2,249,396; July 15.
Rich, Henry S., Jr. (See Welen, Paul, assignor.)
Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Measurement of volt amperes. 2,249,496; July 15.
Richker, Charles. (See Eastman, D., and Richker.)
Richardson, Alice, Phoenix, Ariz. Pie dough press. 2,249,667; July 15.
Richter, George A., assignor to Brown Company, Berlin, N. H. Producing white wood pulp of high solution viscosity and purity. 2,249,174; July 15.
Richter, George A., and H. P. Vannah, assignors to Brown Company, Berlin, N. H. Preparation of solutions of heat-ripened cellulose xanthate. 2,249,175; July 15.
Richterkessing, Frank H. (See Mourning, G. H., and Richterkessing.)
Rickerman, John H., River Edge, assignor to Gasoline Products Company, Inc., Jersey City, N. J. Heating hydrocarbon fluid. 2,249,697; July 15.
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing stop for shutters. 2,249,540; July 15.
Rietz, Edward L., Riverside, Ill., assignor to International Harvester Company. Wheel. 2,249,638; July 15.
Rietz, Edward L., Riverside, Ill., assignor to International Harvester Company. Wheel. 2,249,637; July 15.
Robbins, Philip H., assignor to Poirette Corsets, Inc., New York, N. Y. Foundation garment or the like. 2,249,668; July 15.
Robertson, Alexander T., Newcastle-on-Tyne, assignor to J. H. Holmes & Company Limited, Hebburn-on-Tyne, England. Web-joining mechanism. 2,249,669; July 15.
Robinson, Lloyd N., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve. 2,249,042; July 15.
Robinson, Preston, Williamstown, and M. Nazzewski, assignors to Sprague Specialties Company, North Adams, Mass. Manufacture of electrolytic devices. 2,249,091; July 15.
Rocco, Victor, Newburg, N. Y. Cooler and work table unit. 2,249,299; July 15.
Rogers, Elwood C., Indianapolis, Ind. Photographic negative carrier. 2,249,228; July 15.
Rogers, Elwood C., Indianapolis, Ind. Focus adjuster for enlargers. 2,249,229; July 15.
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Root, Robert S., assignor to W. C. Lipe, Inc., Syracuse, N. Y. Clutch. 2,249,043; July 15.
Rosaire, Esme E., Houston, Tex. Calibration means. 2,249,328; July 15.
Rose, Jay, Brooklyn, N. Y. Ticket registering machine. 2,249,044; July 15.
Rosenberg, Heyman, New York, N. Y. Bearing unit. 2,249,329; July 15.
Rossander, Swanie S., Wilmington, Del., D. E. Kvalnes, Penns Grove, N. J., and C. E. Sparks, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,249,045; July 15.
Rossander, Swanie S. (See Sparks, C. E., Hussey, Reynolds, and Rossander.)
Rothstein, Aaron J. (See Hall, Edward N., assignor.)
Royer, Jesse R., Janesville, Iowa. Farm gate. 2,249,046; July 15.
Rubly, Arthur A., Farmington, assignor to General Motors Corporation, Detroit, Mich. Remote control gearshift. 2,249,176; July 15.
Rumney, Mason P., and C. W. Kelly, assignors to Detroit Steel Products Company, Detroit, Mich. Casing construction. 2,249,257; July 15.
Russell, Harlow M. (See Sidebotham, Melfin H. and G. L.)
Russell, Kenneth F., assignor to H. H. and B. A. Garner, Claremont, Calif. Dispensing device for coiled wire. 2,249,047; July 15.
Ryan, William J. Wilmington, and M. T. Kendall, Long Beach, Calif., assignors to The Texas Company, New York, N. Y. Treatment of cracked hydrocarbon distillates. 2,249,276; July 15.
Ryan, William J., Wilmington, and M. T. Kendall, Long Beach, Calif., assignors to The Texas Company, New York, N. Y. Treatment of cracked hydrocarbon distillates. 2,249,277; July 15.
Ryerson & Haynes, Inc. (See Schmidt, Frank W., assignor.)
Sachs, Morris, New York, N. Y. Electrical fixture support. 2,249,331; July 15.
Sajnaj, Bernice M., La Salle, Ill. Pastry cutter. 2,249,399; July 15.
Samans, Walter, assignor to Sun Oil Company, Philadelphia, Pa. Tank closure. 2,249,497; July 15.
Samuels, Abe O., assignor to Casco Products Corporation, Bridgeport, Conn. Lead-in device for electric sadiron. 2,249,620; July 15.
Sandor, William C., Parma, Ohio, assignor to J. C. Lincoln, Scottsdale, Ariz. Reinforcing member for flat wire springs. 2,249,048; July 15.
Sansbury, Lemuel C., Arlington, Va., assignor, by mesne assignments to Metal Limb Manufacturers, Inc., Washington, D. C. Artificial leg. 2,249,365; July 15.
Satterthwaite, Harry C., Oakland County, Mich. Adjustable reamer. 2,249,437; July 15.
Sayers, William W., Chicago, Ill., and M. B. Tark and H. F. Watson, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill. Scum skimmer. 2,249,049; July 15.
Schafer, Robert A., assignor to The National Automatic Tool Company, Richmond, Ind. Work locating mechanism for machine tools. 2,249,230; July 15.
Schering Corporation. (See Butenandt, Adolf, assignor.)
Schinzel, Karl, Silesia, Czechoslovakia, assignor to Eastman Kodak Company, Rochester, N. Y. Production of natural color photographs by intermediate dye coupling. 2,249,541; July 15.
Schinzel, Karl, Zurich, Switzerland, assignor to Eastman Kodak Company, Rochester, N. Y. Rehalogenation process of color photography. 2,249,542; July 15.
Schlack, Paul, Berlin-Treptow, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Rearrangement reaction of oximes. 2,249,177; July 15.
Schlear, William M., Orwigsburg, Pa., assignor, by mesne assignments, to H. G. Lunibard, Auburn, Maine. Shoe and making the same. 2,249,092; July 15.
Schlumbohm, Peter, New York, N. Y. Method of and apparatus for air conditioning. 2,249,621; July 15.
Schlumbohm, Peter, New York, N. Y. Refrigeration condenser control. 2,249,622; July 15.
Schmidt, Frank W., assignor to Ryerson & Haynes, Inc., Jackson, Mich. Vehicle jacking structure. 2,249,050; July 15.
Schoen, Harry. (See Goldstein, A. M., and Schoen.)
Schofield, William W. (See Bidner, J., and Schofield.)
Schulse, Herman E., Miami, Fla. Beverage container. 2,249,051; Jul y15.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse. 2,249,178; July 15.
Schulze, Walter, Neue Muhle-Konigswusterhausen, Germany, assignor to General Electric Company. Coating composition. 2,249,498; July 15.
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of binder-containing waterlaid felts. 2,249,179; July 15.
Schwerin, Charles A., Newark, and E. H. Albertson, Hackettstown, N. J.; said Albertson assignor, by mesne assignments, to said Schwerin. Tagging machine. 2,249,580; July 15.
Scolas, Alice V., Richland Center, and E. J. Jahnel, Coon Valley, Wis. Hair curler. 2,249,300; July 15.
Scully, Frank P., Cambridge, and A. E. Mathey, Auburndale, assignors to Scully Signal Co., East Cambridge, Mass. Audible signaling device for use with tanks. 2,249,180; July 15.
Sculley Signal Co. (See Scully, F. P., and Mathey, assignors.)
Sealol Company. (See Stevenson, Robert, assignor.)
Seaman, Joseph W., Upper Darby, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,249,499; July 15.
Sears, Roebuck and Co. (See Hedengren, Ossian A, assignor.)
Seay, Tom B. (See Jones, E. C., and Seay.)
Seeburg, J. P., Corporation. (See Lessman, Gerhard, assignor.)
Seiffert, Otto E., Union, N. J. Germproof paper milk container. 2,249,052; July 15.
Seitz, Ernst O., assignor to Quarzlampen-Gesellschaft m. b. H., Hanau-on-the-Main, Germany. Electric discharge tube. 2,249,094; July 15.
Shank, Robert I. (See Levy, M., and Shank.)
Shanley Products Corp. (See Levy, M., and Shank, assignors.)
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Valve structure. 2,249,258; July 15.
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Room thermostat. 2,249,259; July 15.
Sheaffer, W. A., Pen Company. (See Martin, Lynn P., assignor.)
Sheets, Barton R., Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill. Feeding mechanism for rock drills. 2,249,639; July 15.
Shell Development Company. (See van Peski, A. J., and Visser, assignors.)
Shell Development Company. (See Visser, Gerardus H.)
Shell Development Company. (See Visser, G. H., and Engel, assignors.)
Shepard, Francis H., Jr., Rutherford, N. J., assignor to Radio Corporation of America. Automatic gain expander circuit. 2,249,181; July 15.
Shimer, John M., Dallas, Tex., assignor to Oil Well Supply Company. Pump piston. 2,249,400; July 15.
Shinliver, Willie C., Blue Diamond, Ky. Demountable rim. 2,249,568; July 15.
Shirley, Guy B., San Antonio, Tex., and G. T. Strickel, Oklahoma City, Okla., assignors to La Vair Corp., San Antonio, Tex. Skin cleaning device. 2,249,500; July 15.
Sidebotham, Gordon L. (See Sidebotham, Melvin H. and G. L.)
Sidebotham, Melvin H. and G. L., West Newton, assignors to H. M. Russell, Chelsea, Mass. Machine for waxing blanks. 2,249,182; July 15.
Sidle, Bertha M., Des Moines, Iowa. Toy. 2,249,670; July 15.

Sieg, Emil H., West De Pere, Wis. Calking gun. 2,249,401; July 15.
Simmon, Hans, Vienna, Austria. Flue gas heat exchanger. 2,249,301; July 15.
Simons, John K., Dormont, Pa., assignor to Plaskon Company, Inc., Toledo, Ohio. Preparation of monosubstituted ureas. 2,249,183; July 15.
Singer Manufacturing Company, The. (See Perkins, Kenneth, assignor.)
Sixt, Johann, and M. Mugdan, Munich, Germany, assignors, by mesne assignments, to Tennessee Eastman Corporation, Kingsport, Tenn. Process of producing ketene. 2,249,543; July 15.
Skinner Aircraft Engines Incorporated. (See Kasten, Walter, assignor.)
Skowron, Carl, Salem, Ohio. Electric motor. 2,249,671; July 15.
Small, Arthur E., Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Coupler operating device. 2,249,184; July 15.
Smaltz, John C., New York, N. Y., and C. W. Kahlerth, Newark, N. J., assignors to McKiernan-Terry Corporation, New York, N. Y. Mechanism for paying out hoisting lines. 2,249,185; July 15.
Smith, Alfred P. (See Graham, D. E., Smith, and Wilson.)
Smith, Arthur G., Elyria, Ohio. Bookmark. 2,249,053; July 15.
Smith, Clyde, Hopkinsville, Ky. Game trap. 2,249,332; July 15.
Smith, Henry J., Great Neck, N. Y. Fishing rod holder. 2,249,302; July 15.
Smith, Hiram P., Canton, Ill., assignor to International Harvester Company. Lifting connection for tractor implements. 2,249,640; July 15.
Smith, John B., Oakland, Calif. Trigger mechanism. 2,249,231; July 15.
Smith, John B., Oakland, Calif. Trigger mechanism. 2,249,232; July 15.
Smith, Lawson D. (See Thompson, William, assignor.)
Smith, Lee I., and H. E. Ungnade, assignors to Regents of The University of Minnesota, Minneapolis, Minn. Chromanes and producing the same. 2,249,054; July 15.
Smith, Norman J., Medfield, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Instrument case lock. 2,249,438; July 15.
Smith, Orrian A., Los Angeles, Calif. Spring structure. 2,249,233; July 15.
Smith, William A., Hamburg, N. Y. Lubricant. 2,249,333; July 15.
Smith, William R., Medicine Park, Okla. Internal motor cleaner. 2,249,303; July 15.
Snell, Samuel A., and P. R. Oster, assignors to T. F. Beaman, Jackson, Mich. Sheet metal construction. 2,249,055; July 15.
Societe d'Etudes et de Participations Eau, Gaz, Electricite Energie S. A. (See Pateras Pescara, Raul, assignor.)
Sohl, Frank B., Garden City, assignor to Githens-Sohl Corporation, New York, N. Y. Advertising folder. 2,249,260; July 15.
Solakian, Haig, assignor to A. F. Holden, New Haven, Conn. Nonpoisonous carburizing liquid bath. 2,249,581; July 15.
Soulary, Paul, Bruay, France, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Continuously operated vertical chamber oven for the production of gas and coke. 2,249,056; July 15.
Spanner, Hans J., Berlin, Germany, assignor to General Electric Company. Discharge device. 2,249,672; July 15.
Sparks, Chiles E. (See Rossander, S. S., Kvalnes, and Sparks.)
Sparks, Chiles E., and S. C. Hussey, Wilmington, Del., W. B. Reynolds, Elmhurst, N. Y., and S. S. Rossander, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,249,334; July 15.
Sperry Gyroscope Company. (See Braddon, Frederick D., assignor.)
Spiess, Georg, Leipzig, Germany. Conveying table for the transverse feeding of material in sheet form. 2,249,186; July 15.
Sprague Specialties Company. (See Robinson, P., and Nazzewski, assignors.)
Spurlin, Harold M., assignor, by mesne assignments, of one-half to Hercules Powder Company, Wilmington, Del., and one-half to Dow Chemical Company, Midland, Mich. Cellulose ether recovery. 2,249,673; July 15.
Sroduiski, Joseph W., Chicago, Ill. Vending machine compartment means. 2,249,234; July 15.
Stahl, William F., Evanston, Ill. Coil bobbin. 2,249,057; July 15.
Stahly, Grant L., and W. W. Carlson, Columbus, Ohio, assignor to Commonwealth Engineering Corporation, Wilmington, Del. Dextran resinous product. 2,249,544; July 15.
Standard Lime and Stone Company. (See Mueller, Louis J., assignor.)
Standard Oil Company. (See Diwoky, Fred F., assignor.)
Standard Oil Development Company. (See Haynes, Cecil J., assignor.)
Standard Oil Development Company. (See Lieber, Eugene, assignor.)
Standard Oil Development Company. (See Wilson, C. J., and Morrell, assignors.)
Standard Process Corporation. (See Murray, J. D., and (Leech, assignor).)
Standard Railway Equipment Manufacturing Company. (See Small, Arthur E., assignor.)
Standard Railway Refrigerator Company. (See Bonsall, Charles D., assignor.)
Standard Railway Refrigerator Company. (See Zeidler, Kurt E., assignor.)
Stanton, Homer E., Altus, Okla. Rug making tool. 2,249,093; July 15.
Staunt, Martin, Chicago, Ill. Dental hand piece. 2,249,058; July 15.
Stefano, Nicholas M., Endicott, N. Y. Stabilizing device. 2,249,402; July 15.
Steiner, Joseph C., St. Louis, Mo. Clutch. 2,249,187; July 15.
Steiner, Waldo L. (See Lincoln, B. H., Steiner, and Henriksen.)
Stenberg, Knut E. B., assignor to Associated Attleboro Manufacturers, Inc., Attleboro, Mass. Cabinet assembly. 2,249,693; July 15.
Stenger, August M., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotary fluid pump. 2,249,059; July 15.
Sterling, H. A., et al. (See Applegarth, John, Sr., assignor.)
Sterling, H. K., et al. (See Applegarth, John, Sr., assignor.)
Stevenson, Robert, Providence, R. I., assignor to Sealol Company. Seal construction. 2,249,188; July 15.
Stewart, Alexander, Roselle, N. J., assignor to National Lead Company, New York, N. Y. Lead sulphate. 2,249,330; July 15.
Stollsteimer, Frederick J., Upper Darby, Pa. Triple action hinge bracket. 2,249,403; July 15.
Stone, Richard H., Birmingham, Mich. Interlocking toy construction block. 2,249,060; July 15.
Storer, Richard M., Denver, Colo. Sharp freezing mold. 2,249,261; July 15.
Strad, James. (See O'Brien, J. J., and Strad.)
Strattner, Frederick. (See Wagner, W. C., and Strattner.)
Strickel, George T. (See Shirley, G. B., and Strickel.)
Strobel, Howard M., Allegany, N. Y. Thermostat. 2,249,582; July 15.
Stryker, Emma T., et al. (See Stryker, William H., assignor.)
Stryker, William H., assignor, by mesne assignments, to W. H. and E. G. Stryker, Elmhurst, Ill. Governor. 2,249,439; July 15.
Stuckl, Clarence G., Logan, Utah. Window. 2,249,641; July 15.
Styll, Harry H., Southbridge, Mass. Projection device. 2,249,061; July 15.
Suchestow, Gabriel. (See Fleck, L., and Suchestow.)
Sullivan Machinery Company. (See Knights, John R., assignor.)
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Sun Oil Company. (See Hicks-Bruun, Mildred M., assignor.)
Sun Oil Company. (See Samans, Walter, assignor.)
Sunderland, Alfred E., Asheville, assignor to American Enka Corporation, Enka, N. C. Controlling the delivery of threads during twisting. 2,249,404; July 15.
Sundberg, Phillip G. (See Johnson, A. G., and Sundberg.)
Superior Tube Company. (See Pruckner, Anton A., assignor.)
Sussman, William S., New York, N. Y. Spring motor. 2,249,441; July 15.
Swan, Donald R., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin sheets containing a mixture of dibutyl sulphone and dibutyl phthalate. 2,249,545; July 15.
Swanson, Nels H., Chicago, Ill. Bill wallet and making same. 2,249,062; July 15.
Swem, Harry A., New Gulf, Tex., assignor to Texas Gulf Sulphur Company. Filter leaf. 2,249,063; July 15.
Swift, Clement K., Upper Darby, Pa., and J. B. Treichel, Audubon, assignors to MacAndrews & Forbes Company, Camden, N. J. Apparatus for producing fire foam. 2,249,095; July 15.
Swimmer, Albert T., assignor to The General Fireproofing Co., Youngstown, Ohio. Divider means for filing trays or drawers. 2,249,548; July 15.
Sykes, Roger A., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,249,440; July 15.
Tark, Marcus B. (See Sayers, W. W., Tark, and Watson.)
Tauber, Rudolf, New York, N. Y. Self-locking tubular binder. 2,249,064; July 15.
Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control valve. 2,249,623; July 15.
Teare, Albert R. (See Welker, Oscar B., assignor.)
Tech Equipment Company. (See Williams, Bradlee W. and H. S., assignors.)
Teker, John W., Wesleyville, Pa., assignor to General Electric Company. Shaft supporting and lubricating arrangement. 2,249,501; July 15.

Telefonbau und Normalzeit G. m. b. H. (See Turk, Walter, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bihl, K., and Hermannsann, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Engbert, W., and Herz, assignors.)
Teletype Corporation. (See Potts, Louis W., assignor.)
Tennessee Eastman Corporation. (See Sixt, J., and Mugdan, assignors.)
Texas Company, The. (See Eastman, D., and Richker, assignors.)
Texas Company, The. (See Ryan, W. J., and Kendall.)
Texas Gulf Sulphur Company. (See Swem, Harry A., assignor.)
Theler, Frederick J., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,249,065; July 15.
Thimm, William A., Milwaukee, Wis. Collapsible crate. 2,249,189; July 15.
Thomas & Betts Co., The. (See Badeau, Carroll A., assignor.)
Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Polymerization of hydrocarbons. 2,249,583; July 15.
Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic treatment of hydrocarbons. 2,249,584; July 15.
Thomas, James A., Berkeley, assignor to Esotoo Fumigation Co. Ltd., San Francisco, Calif. Controlling bacterial activity during making of wine. 2,249,262; July 15.
Thomas, William D., Jr. (See Cook, E. W., and Thomas.)
Thompson, Albert R., Los Gatos, assignor to Food Machinery Corporation, San Jose, Calif. Feed valve for cookers. 2,249,235; July 15.
Thompson, Elmer O., Grasmere, N. Y., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Circuit controlling and impulse sending device. 2,249,674; July 15.
Thompson, Elmer O., Grasmere, N. Y., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Impulse sending device. 2,249,717; July 15.
Thompson, James S., Hackensack, N. J. Constant flow valve or spillway. 2,249,586; July 15.
Thompson, Joseph J., assignor to Kellogg Company, Battle Creek, Mich. Automatic paper feeding machine. 2,249,190; July 15.
Thompson, Louis A., Lakewood, Ohio, assignor to Acme Newspictures, Inc., New York, N. Y. Transmission circuit. 2,249,502; July 15.
Thompson, Louis A., Lakewood, Ohio, assignor to Acme Newspictures, Inc., New York, N. Y. Audio frequency doubler. 2,249,503; July 15.
Thompson, William, assignor of one-half to L. D. Smith, Pontiac, Mich. Vehicle brake. 2,249,405; July 15.
Thomure, Paul W., Prairie du Rocher, Ill. Device for pulling pipes and the like. 2,249,585; July 15.
Thornbery, John H., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Burner control apparatus. 2,249,442; July 15.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Apparatus for making soap and removing glycerin therefrom. 2,249,675; July 15.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Apparatus for making soap. 2,249,676; July 15.
Tilghman, Richard H., East Orange, N. J., and E. G. Bailey, Easton, Pa., assignors to The Babcock & Wilcox Company, Newark, N. J. Tube displacer. 2,249,587; July 15.
Timberlake, Paul J., Jackson, Mich. Spraying apparatus. 2,249,191; July 15.
Titanium Alloy Manufacturing Company, The. (See Kinzie, C. J., and Commons, assignors.)
Titlestad, Nicolay, White Plains, N. Y., and L. N. Allen, Jr., Nutley, N. J., assignors to Chemical Construction Corporation, New York, N. Y. Sulphuric acid concentration. 2,249,192; July 15.
Titlestad, Nicolay, White Plains, assignor to Chemical Construction Corporation, New York, N. Y. Concentration of sulphur dioxide. 2,249,193; July 15.
Toledo Scale Company. (See Weckerly, Mark A., assignor.)
Toledo Scale Company. (See Williams, Lawrence S., assignor.)
Tolman, Edward M. (See Burns, R. M., and Tolman.)
Tratsch, Walter A., Chicago, Ill. Vending machine. 2,249,236; July 15.
Tratsch, Walter A. (See Patzer, W., and Tratsch.)
Traver, Oliver C., Drexel Hill, Pa., assignor to General Electric Company. Electric circuit breaker. 2,249,444; July 15.
Travnicek, Frank, East St. Louis, Ill., now by change of name F. Griness. Flycatcher. 2,249,718; July 15.
Treichel, John B. (See Swift, C. K., and Treichel.)
Triangle Thread Mills. (See Hall, Edward N., assignor.)
Trimble Nurseryland Furniture, Inc. (See Baxter, W. C., and De Puy, assignors.)
Tringham, William S. L., Puttenham, Guildford Surrey, England, assignor to Radio Corporation of America. High frequency concentric line. 2,249,443; July 15.
Trott, Rolland S., Denver, Colo. Mounting for airplane engines. 2,249,194; July 15.
Trydal, Nils, Chicago, Ill., assignor to Davidson Manufacturing Corporation. Conveyer board. 2,249,504; July 15.
Turk, Walter, Karlsruhe, assignor to Telefonbau und Normalzeit G. m. b. H., Frankfort-on-the-Main, Germany. Apparatus for measuring the discharge of streams. 2,249,096; July 15.
Turner, Edward T., Dayton, Ohio. Solar power apparatus. 2,249,642; July 15.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread control system for looms. 2,249,406; July 15.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Control for loom reeds. 2,249,407; July 15.
Turner, Ruth, Arlington, Va. Toy. 2,249,335; July 15.
Udy, Marvin J., Niagara Falls, N. Y. Producing alloys. 2,249,336; July 15.
Udylite Corporation, The. (See Jackson, William H., assignor.)
Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Transformer casing. 2,249,445; July 15.
Ungnade, Herbert E. (See Smith, L. I., and Ungnade.)
Union Carbide and Carbon Corporation. (See Johnston, Robert T., assignor.)
Union Special Machine Company. (See Christensen, Norman V., assignor.)
Union Special Machine Company. (See Lutz, Frederick, assignor.)
Union Switch & Signal Company, The. (See Aguew, Norman F., assignor.)
Union Switch & Signal Company, The. (See Baughman, George W., assignor.)
Union Switch & Signal Company, The. (See Logan, John W., Jr., assignor.)
Union Switch & Signal Company, The. (See Pflasterer, George R., assignor.)
Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
Union Switch & Signal Company, The. (See Vanhorn, James J., assignor.)
United Shoe Machinery Corporation. (See Lane, Harold, assignor.)
United Shoe Machinery Corporation. (See Oliver, John R., assignor.)
United States Patent Development and Royalty Company. (See Neuman, Jacob J., assignor.)
United States Rubber Company. (See Foster, Boutwell H., assignor.)
Universal Oil Products Company. (See Benedict, Wayne L., assignor.)
Universal Oil Products Company. (See Chenicek, Joseph A., assignor.)
Universal Oil Products Company. (See Kinneberg, Ivar H., assignor.)
Universal Oil Products Company. (See Thomas, Charles L., assignor.)
Universal Winding Company. (See Hitchcock, Harold W., assignor.)
University of Minnesota, Regent of the. (See Smith, L. I., and Ungnade, assignors.)
University of Texas, Board of Regents of the. (See Degler, H. E., and Willis, assignors.)
Unsinger, Philip H., Fremont, Ohio. Carton opener. 2,249,195; July 15.
Vance, Paul A., Fort Wayne, Ind., assignor to General Electric Company. Stationary induction apparatus. 2,249,506; July 15.
Van Derhoef, Henry E., assignor to Eastman Kodak Company, Rochester, N. Y. Film or sheet forming apparatus. 2,249,507; July 15.
Vanderpoel, Albert G. H., and W. Ostling, assignors to California Machinery and Supply Co., Ltd., Los Angeles, Calif. Circuit breaker for spark distributors. 2,249,446; July 15.
Vanhorn, James J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,249,097; July 15.
Vannah, Harold P. (See Richter, G. A., and Vannah.)
Vanott Machine Corporation. (See Abbott, Walter D., assignor.)
Van Peski, Adrianus J., and G. H. Visser, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Production of isobutane. 2,249,366; July 15.
Van Sant, Victor H., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Exhaust machine. 2,249,098; July 15.
Vaughn, Thomas H. (See Lytle, A. R., and Vaughn.)
Velare & Courtney, Inc. (See Courtney, John F., assignor.)
Victor Adding Machine Company. (See Kropp, Willis A., assignor.)
Visser, Gerardus H. (See van Peski, A. J., and Visser.)
Visser, Gerardus H., and W. F. Engel, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Treatment of hydrocarbons. 2,249,337; July 15.
Visser, Gerardus H., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of silver catalysts. 2,249,367; July 15.

Von Ardenne, Manfred, Berlin-Lichterfelde, Germany, assignor to Radio Corporation of America. Operating cathode ray tubes. 2,249,066; July 15.
Von Zychlinski, Bruno. (See Berg, H., and von Zychlinski.)
Vosburgh, Albert G. (See Coame, H. C., and Vosburgh.)
Waddle, George A., Akron, Ohio. Conveyer. 2,249,588; July 15.
Wadsworth, Paul W., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,249,067; July 15.
Wagner, Walter C., Ardmore, and F. Strattner, Upper Darby, Pa. Precision-calibrating device with pointer. 2,249,068; July 15.
Wainwright, James A., and J. Allan, Spondon, near Derby, England, assignors to Celanese Corporation of America. Producing luster effects on textiles. 2,249,069; July 15.
Waldorf Paper Products Company. (See Boeye, Paul F., assignor.)
Waldorf Paper Products Company. (See Guyer, Reynolds, assignor.)
Walker, Jack H., and B. Adkins, Rugby, England, assignors to General Electric Company. Alternating current commutator motor control. 2,249,447; July 15.
Wallace, William H., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Apparatus for treating coil springs. 2,249,677; July 15.
Wallace, William H., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Apparatus for shot-blasting leaf springs. 2,249,678; July 15.
Walther, Paul. (See Pistor, W., and Walther.)
Walton, Otto H., Elmhurst, Ill., assignor to American Telephone and Telegraph Company. Direct current power system. 2,249,099; July 15.
Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Hydraulic governing mechanism. 2,249,508; July 15.
Watson, Harold F. (See Sayers, W. W., Tark, and Watson.)
Webb, Arthur B. (See Johnston, E. C., and Webb.)
Webster Electric Company. (See Campbell, Richard H., assignor.)
Weckerly, Mark A., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,249,368; July 15.
Welen, Paul, assignor of one-half to H. S. Rich, Jr., Marietta, Pa. Switch-controlled vacuum flasher. 2,249,448; July 15.
Weimer, Raymond S., Morris, Ill. Excavating apparatus. 2,249,070; July 15.
Welch, Alanson U., Jr., and C. M. Cederstrom, Pittsfield, Mass., assignors to General Electric Company. Rectangular cable and making the same. 2,249,509; July 15.
Welker, Oscar B., Cromwell, Conn., assignor to A. R. Teare, Cleveland, Ohio, trustee. Making resilient articles. 2,249,510; July 15.
Wellman, S. K., Company, The. (See Wellman, Samuel K., assignor.)
Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Cushioned clutch and facing. 2,249,281; July 15.
Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Frictional device. 2,249,282; July 15.
Wells, Edward C., and W. E. Beall, assignors, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash. Detachably connected pumping assembly for aircraft. 2,249,339; July 15.
West, Chester, Brooklyn, N. Y. Signaling apparatus. 2,249,549; July 15.
West, George, assignor to Whitin Machine Works, Whitinsville, Mass. Pressure applying means for spinning frames. 2,249,408; July 15.
Westall, Edward F., Alhambra, Calif. Apparatus and method for cementing wells. 2,249,511; July 15.
Western Electric Company. (See Van Sant, V. H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Adler, Hans, assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Freeman, George A., assignor.)
Westinghouse Electric & Manufacturing Co. (See James R. F., and Hart, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kesselring, F., Duffing, and Behringer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Leonard, Merrill G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lingal, H. J., and Crabbs, assignors.)
Westinghouse Electric & Manufacturing Company. (See Wolfert, Edward R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Young, D. A., and Oman, assignors.)
Wheelwright, George F., Jr., Westfield, N. J., assignor to The De Laval Separator Company, New York, N. Y. Apparatus for treating oils. 2,249,263; July 15.
White, Albert R., Glendale, Calif. Oil refiner. 2,249,071; July 15.
White, Paul W., Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 2,249,409; July 15.
Whitin Machine Works. (See West, George, assignor.)
Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,249,449; July 15.
Wigelsworth, Arthur E., Los Angeles, assignor to Anabolic Food Products, Inc., Glendale, Calif. Elapsed-time indicator. 2,249,072; July 15.
Wilcox, Harry A., and J. L. Barker, Norwalk, assignors to Automatic Signal Corporation, East Norwalk, Conn. Traffic actuated control system. 2,249,100; July 15.
Wildt & Company Limited. (See Holmes, Henry H., assignor.)
Wilding, Sidney W., assignor to The Amalgamated Dental Co., Limited, London, England. Material for taking impressions for dental or other purposes. 2,249,694; July 15.
Wile, Daniel D., Utica, N. Y., assignor to Detroit Lubricator Company, Detroit, Mich. Refrigerating apparatus. 2,249,101; July 15.
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Roofing and the like. 2,249,698; July 15.
Willard Storage Battery Company. (See Kerns, F. R., and Codney, assignors.)
Williams, Bradlee W. and H. S., assignors to Tech Equipment Company, Chicago, Ill. Pulse count and blood pressure apparatus. 2,249,370; July 15.
Williams, Homer S. (See Williams, Bradlee W. and H. S.)
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,249,369; July 15.
Williams, Lisle C., Memphis, Tenn. Wrist watch protector. 2,249,550; July 15.
Williams, Thomas D. (See Ford, F. A., and Williams.)
Williamson, John B., Cranford, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Combination plaster base and insulating block. 2,249,073; July 15.
Willis, Alvin H. (See Degler, H. E., and Willis.)
Wilson, Carl B. (See Graham, D. E., Smith, and Wilson.)
Wilson, Carroll J., Hillside, and C. E. Morrell, Elizabeth, N. J., assignors to Standard Oil Development Company. Decreasing metal corrosion. 2,249,340; July 15.
Wilson, Lee, Cleveland, Ohio. Method and apparatus for reducing ore. 2,249,410; July 15.
Wilson, Lee, Sales Corporation. (See Woodson, James C., assignor.)
Wilson, William M., La Mesa, Calif. Ladder attachment. 2,249,304; July 15.
Wimmer, Josef, Burghausen, and M. Mugdan, Munich-Grosshesselohe, assignors to Consortium fur Elektrochemische Industrie G. m. b. H., Munich, Germany. Manufacture of tetrachlorethylene. 2,249,512; July 15.
Winder, Samuel E., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Glass feeder. 2,249,371; July 15.
Wingfoot Corporation. (See Darling, Frank L., assignor.)
Winters & Crampton Corporation. (See Anderson, Lloyd L., assignor.)
Wolcott, Herbert. (See Jackson, J. P., and Johnson, assignors.)
Wolf, Howard A., et al. (See Junkin, Malcolm P., assignor.)
Wolf, Louis, et al. (See Junkin, Malcolm P., assignor.)
Wolf, Walter L., et al. (See Junkin, Malcolm P., assignor.)
Wolfe, John W., Administrator. (See Lincoln, B. H., Steiner, and Henriksen.)
Wolfert, Edward R., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,249,074; July 15.
Wood, John M., Cranston, assignor to Franklin Process Company, Providence, R. I. Valve. 2,249,643; July 15.
Woodbury, John E., Worcester, Mass. Ranger finder. 2,249,589; July 15.
Woodson, James C., assignor to Lee Wilson Sales Corporation, Cleveland, Ohio. Annealing furnace. 2,249,411; July 15.
Wright, Theodore M. (See Hokanson, Otto A., and Wright.)
Wurlitzer, Rudolph, Company, The. (See Hokanson, O. A., and Wright, assignors.)
Würth, Wilhelm, Berlin-Treptow, Germany, assignor to General Electric Company. Electroresponsive device. 2,249,513; July 15.
Yeager, Frank W., Cliffside Park, N. J., assignor to The Barrett Company, New York, N. Y. Coating composition and preparing the same. 2,249,412; July 15.
Young, Douglass A., and C. Oman, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Test device for detachable electrical instruments. 2,249,075; July 15.
Young, Lloyd W., Scotch Plains, N. J., assignor to Oxweld Acetylene Company. Blowpipe. 2,249,338; July 15.
Young, Walter H. (See Eckland, E. O., and Young.)
Youngstown Steel Door Company, The. (See Eklind, Carl E., assignor.)

Zeidler, Kurt E., Pittsburgh, Pa., assignor to Standard Railway Refrigerator Company, Chicago, Ill. Refrigerator car construction. 2,249,102; July 15.
Zischkau, Clarence, Woodbridge, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Separation of germanium. 2,249,341; July 1.
Zohe, Ludwig A., Syracuse, N. Y. Baby nursing instrument. 2,249,551; July 15.
Zworykin, Vladimir K., Philadelphia, Pa., assignor to Radio Corporation of America. Electron tube. 2,249,552; July 15.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Chair iron. W. F. Herold. Re. 21,857; July 15.
Circuit, Transformer tap changing. R. B. Carson. Re. 21,854; July 15.
Coated abrasive product, Flexible. H. O. Anderson. Re. 21,852; July 15.
Loom dobby. V. Lindsjo. Re. 21,858; July 15.
Method and apparatus for measuring eccentricity in tubular conductors. R. W. Atkinson. Re. 21,853; July 15.
Method and means for automatically opening and reclosing circuit. H. A. Triplett. Re. 21,859; July 15.
Plow attachment. O. Fleck. Re. 21,855; July 15.
Sound recording and reproducing apparatus. H. C. Grant, Jr. Re. 21,856; July 15.

LIST OF DESIGN INVENTIONS

Airplane. H. W. Case. 128,330; July 15.
Bottle, Decanter. C. W. Neusbaum and C. E. Marchino. 128,303; July 15.
Bottle, Glass. W. J. Lundy. 128,299; July 15.
Bottle, Prescription. R. J. Gelinas and C. J. Conley. 128,282; July 15.
Bracelet, Musical. C. L. Healy. 128,297; July 15.
Building. E. M. Ellis. 128,296; July 15.
Button or similar article, Lapel. R. M. Rudde. 128,317; July 15.
Can punch. A. H. A. Mitzlaff. 128,302; July 15.
Case, Piano. W. M. Day. 128,240; July 15.
Casing for sound apparatus. D. C. Rockola. 128,290; July 15.
Clamp, Paper. L. L. Houser. 128,298; July 15.
Clasp, Tie. M. Chernow. 128,251; July 15.
Clock. G. W. Walker. 128,271–2; July 15.
Coat. A. Rauch. 128,326; July 15.
Coat. C. Salerno. 128,329; July 15.
Coat, House. N. Turcotte. 128,320; July 15.
Collar. A. Rauch. 128,327–8; July 15.
Collar holder. J. Shaulson. 128,265; July 15.
Collar holder. C. Silverman. 128,306–7; July 15.
Coupling or analogous article. J. T. Kelly. 128,314; July 15.
Cup. W. Dolphin. 128,242; July 15.
Display device. E. H. Torbeck and W. Dunn. 128,270; July 15.
Display unit, for perfume, sachet, or the like. W. B. Cohen. 128,294; July 15.
Doll. J. Ranney. 128,263; July 15.
Dress. P. H. Bailey. 128,323; July 15.
Dress. S. Bloom. 128,339; July 15.
Dress. E. Cutler. 128,308–12; July 15.
Dress. L. Iannicelli. 128,343; July 15.
Dress. H. T. Langbert. 128,331; July 15.
Dress. H. T. Langbert. 128,344–6; July 15.
Dress. H. May. 128,349; July 15.
Dress. M. Ponzio. 128,352; July 15.
Dress. J. Richards. 128,335; July 15.
Dress. J. Richards. 128,353–4; July 15.
Dress. F. B. Saioff. 128,318–19; July 15.
Dress. S. Salsky. 128,355; July 15.
Dress. B. Staehle. 128,336–7; July 15.
Dress. B. Staehle. 128,356–7; July 15.
Dress ensemble. H. Berry. 128,338; July 15.
Dress ensemble. W. Hermann. 128,341; July 15.
Dress ensemble. W. Hermann. 128,361; July 15.
Dress ensemble. M. Hobgood. 128,342; July 15.
Dress ensemble. J. Marchesa. 128,347; July 15.
Dress ensemble. M. Marve. 128,348; July 15.
Dress ensemble. M. Ponzio. 128,351; July 15.
Dress ensemble. E. Wener. 128,358; July 15.
Dress ensemble. M. Wolff. 128,359–60; July 15.
Electrolytic water correction device. E. M. Butler. 128,276–8; July 15.
Fabric, Textile. E. Frankel. 128,340; July 15.
Fabric, Woven textile. G. A. Niedner. 128,332–4; July 15.
Feed box for lathes. W. F. Groene and H. C. Kemper. 128,257; July 15.
Feed box for lathes. W. F. Groene and G. W. Luning. 128,258; July 15.
Filter and faucet, Combined water. J. T. Roffy. 128,316; July 15.
Flag or the like. J. G. McDonald. 128,300; July 15.
Flashlight, or similar article. L. Brodton. 128,274–5; July 15.
Fork or analogous article. H. E. Nock. 128,304; July 15.
Game board. J. J. Davala. 128,252; July 15.
Game board. J. E. Hawkins. 128,259; July 15.
Game board. G. O. Zimmerman. 128,273; July 15.
Game table. H. Kasey. 128,261; July 15.
Hair waving machine. J. P. Fischer and M. Ehrlich. 128,281; July 15.
Handbag. D. Lewis. 128,315; July 15.
Handbag, Pocket attachment for ladies'. S. P. Hennings. 128,260; July 15.
Handle, Golf club. K. Smith. 128,266; July 15.
Hanger for automobile windows, Clothes. E. J. Lauronen. 128,287; July 15.
Heater, Portable electric. A. J. D. Ohm. 128,288; July 15.
Holder, Bottle. D. T. Carlson. 128,293; July 15.
Holder, Combination memo pad and pencil. M. Lodico. 128,262; July 15.
Holder for perfume bottles or the like. S. Corwin and J. Braun. 128,295; July 15.
Holders, and carrying chain, Combined mirror, lipstick. M. Kane. 128,286; July 15.
Hook, Curtain. S. J. Brandstein. 128,250; July 15.
Hosiery blocker and drier, Adjustable. J. L. Devaney. 128,253; July 15.
Iron, Pressing. C. B. Stevens and E. P. Schreyer. 128,267–9; July 15.
Jar or similar article. V. J. Schlitzer. 128,305; July 15.
Lace trimming or similar article. O. Hallbauer. 128,243-5; July 15.
Lighting fixture, Fluorescent. M. Herr. 128,284–5; July 15
Loading machine. J. D. Russell. 128,291; July 15.
Pin or similar article. M. Boucher. 128,324; July 15.
Pin or similar article. M. B. Pelkin. 128,350; July 15.
Plate or similar article. T. W. Obert. 128,248; July 15.
Rack and stock cabinet, Combination display. F. E. Deschauer. 128,241; July 15.
Scarf or similar article, Fur. S. H. Dick. 128,325; July 15.
Slipper M. Fox. 128,254; July 15.
Sole and heel, Combined. C. C. Abbott. 128,249; July 15.
Spoon or similar article. T. E. Cayer. 128,313; July 15.
Spoon or similar article. G. L. Turner. 128,321–2; July 15.
Stand, Display. E. Loew. 128,246; July 15.
Supercharger, Turbo. N. C. Price. 128,289; July 15.
Surfacing machine, Lens. A. L. Simonds. 128,292; July 15.
Table, Over-bed. J. B. Caldwell. 128,279; July 15.
Tap knob. C. C. Merrett. 128,247; July 15.
Truck for scooter cars, Wheel supporting. J. M. Rodriguez. 128,264; July 15.
Tube or similar article, Electron. C. F. Miller. 128,301; July 15.
Vanity case or similar article. E. J. Gerli. 128,255–6; July 15.
Vanity case or similar article. E. J. Gerli. 128,283; July 15.
Washer, Rotary can. W. S. Campbell. 128,280; July 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Manufacturing. S. S. Kistler. 2,249,2709; July 15.
Abrasive bodies, Making porous. J. A. Heany. 2,248,990; July 15.
Abrasive body and manufacture thereof. S. S. Kistler. 2,249,278; July 15.
Acid-polyhydric alcohol resins, Acetylenic. A. D. Macallum. 2,249,535; July 15.
Acoustic device. E. E. Mott. 2,249,160; July 15.
Adhesive applicator for paper tape. C. M. Edwards. 2,249,200; July 15.
Adsorption of condensables from fuel gases. G. M. Carvlin and W. O. Keeling. 2,248,956; July 15.
Air conditioning and refrigerating unit. J. J. Gleason. 2,248,983; July 15.
Air conditioning apparatus. T. I. Moseley. 2,249,159; July 15.
Air conditioning apparatus for isolated spaces. J. N. H. Christman and W. A. Lintern. 2,248,959; July 15.
Air conditioning system. L. B. Miller and H. F. Dever. 2,249,484; July 15.
Air conditioning unit for the relief of hay fever and asthma. H. E. Degler and A. H. Willis. 2,249,285; July 15.
Aircraft engine silencer and back pressure reducer. C. L. Davis. 2,249,271; July 15.
Air filtering and shield attachment. H. A. Bedol. 2,249,308; July 15.
Airplane. G. H. Mourning and F. H. Richterkessing. 2,249,026; July 15.
Album. D. M. Harris. 2,249,652; July 15.
Aligning machine. R. Inglee. 2,249,140; July 15.
Alloy and product thereof, Hot working an aluminum base. H. J. Deutsch. 2,249,349; July 15.
Alloys, Producing. M. J. Udy. 2,249,336; July 15.
Aluminum and product thereof, Working. T. L. Fritzlen. 2,249,353; July 15.
Amplifier, Power. W. A. Black. 2,248,942; July 15.
Amusement apparatus. J. F. Courtney. 2,249,076; July 15.
Analyzing and determining geologic strata. R. F. Beers. 2,249,108; July 15.
Anchor, Base. E. S. Guignon, Jr. 2,249,204; July 15.
Anchor, Twin-fluke. R. S. Danforth. 2,249,546; July 15.
Annealing furnace. J. C. Woodson. 2,249,411; July 15.
Anhydrides of aliphatic acids, Manufacture of. D. C. Hull. 2,249,527; July 15.
Antenna system. W. L. Carlson and W. H. Conron. 2,249,416; July 15.
Antibacklash device for fishing reels. R. B. Muffett. 2,249,297; July 15.
Apparatus and method for cementing wells. E. F. Westall. 2,249,511; July 15.
Apparatus for applying heat to articles to be repaired. P. L. Meath. 2,249,249; July 15.
Apparatus for continuously processing thread or the like. W. F. Knebusch. 2,249,710; July 15.
Apparatus for controlling chemical reactions. E. J. Houdry. 2,248,993; July 15.
Apparatus for drying. F. R. Bichowsky. 2,249,625; July 15.
Apparatus for forming tubular elements. A. A. Pruckner. 2,249,325; July 15.
Apparatus for heat treating and quenching. J. M. Nairn and W. G. Jackson. 2,249,219; July 15.
Apparatus for making soap. B. H. Thurman. 2,249,676; July 15.
Apparatus for making soap and removing glycerin therefrom. B. H. Thurman. 2,249,675; July 15.
Apparatus for measuring the discharge of streams. W. Turk. 2,249,096; July 15.
Apparatus for printing motion picture films. F. T. O'Grady. 2,249,033; July 15.
Apparatus for processing thread. W. F. Knebusch and A. H. Burkholder. 2,249,712; July 15.
Apparatus for producing fire foam. C. K. Swift and J. B. Treichel. 2,249,095; July 15.
Apparatus for setting machine tools. T. B. Drescher. 2,249,121; July 15.
Apparatus for shot-blasting leaf springs. W. H. Wallace. 2,249,678; July 15.
Apparatus for the distillation of high-boiling liquids. H. Koppers. 2,249,009; July 15.
Apparatus for treating coil springs. W. H. Wallace. 2,249,677; July 15.
Apparatus for treating oils. G. F. Wheelwright, Jr. 2,249,263; July 15.
Apparatus for uniting wax coated paper. H. E. Hallman. 2,249,470; July 15.
Arc welding system. J. T. Catlett and J. E. Anderson. 2,249,457; July 15.
Armored article. R. K. Hopkins. 2,249,629; July 15.
Article feeding mechanism. J. R. Knights. 2,249,529; July 15.
Artificial leg. L. C. Sansbury. 2,249,365; July 15.
Asbestos fabric. B. H. Foster. 2,249,650; July 15.
Assorting and filing device. R. E. Bauder. 2,249,265; July 15.
Audio frequency doubler. L. A. Thompson. 2,249,503; July 15.
Automatic gain expander circuit. F. H. Shepard, Jr. 2,249,181; July 15.
Automatic reset for direction signals. R. H. Hill. 2,249,137; July 15.
Automobile chassis. J. E. Casner. 2,248,921; July 15.
Awning. J. H. O'Brien. 2,249,491; July 15.
Axle for doll eyes. L. W. Pollack. 2,249,636; July 15.
Axle puller. J. Di Palma. 2,249,119; July 15.
Azo colored composition. J. W. Lang. 2,249,314; July 15.
Azo dyes. S. S. Rossander, D. E. Kvalnes, and C. E. Sparks. 2,249,045; July 15.
Azo dyes. C. E. Sparks, S. C. Hussey, W. B. Reynolds, and S. S. Rossander. 2,249,334; July 15.
B,B'-dicyanodiethyl cyanamide. I. Hechenbleikner and C. Best. 2,249,135; July 15.
Bacterial activity during making of wine, Controlling. J. A. Thomas. 2,249,262; July 15.
Balancing system, Automatic. R. B. Hearn. 2,249,133; July 15.
Bastings cutting, Pulling, and removing implement. D. Di Leo. 2,249,378; July 15.
Bath, Nonpoisonous carburizing liquid. H. Solakian. 2,249,581; July 15.
Bath, Portable vapor. S. J. Preston. 2,249,436; July 15.
Bath stand and dressing table, Infant's folding. W. C. Baxter and C. T. De Puy. 2,249,107; July 15.
Battery conveying and dumping apparatus. F. R. Kerns and A. O. Codney. 2,249,659; July 15.
Bearing: *See*—
Split bearing.
Bearing packer. H. S. Berg. 2,248,940; July 15.
Bearing unit. H. Rosenberg. 2,249,329; July 15.
Beverage container. H. E. Schulse. 2,249,051; July 15.
Bicycle accessory. T. I. Duffy. 2,248,971; July 15.
Billfold. C. L. Green. 2,249,558; July 15.
Binder containing water-laid felts, Manufacture of. M. O. Schur. 2,249,179; July 15.
Bit: *See*—
Roller bit.
Blank registering device. W. W. Davidson. 2,249,505; July 15.
Block: *See*—
Toy construction block.
Blower, Soot. F. Bowers. 2,248,947; July 15.
Blowpipe. L. W. Young. 2,249,338; July 15.
Board: *See*—
Conveyer board. Ironing board.
Boat propelling mechanism. C. W. Allen. 2,248,930; July 15.
Bobbin clutch. G. H. Magrath. 2,249,150–1; July 15.
Bobbin, Coil. W. F. Stahl. 2,249,057; July 15.
Bookmark. A. G. Smith. 2,249,053; July 15.
Boring machine. A. G. Johnson and P. G. Sundberg. 2,248,998; July 15.
Bottle washer stop. A. E. Ladewig. 2,249,614; July 15.
Bowl, Cream separator. W. H. Harstick. 2,249,653; July 15.
Box: *See*—
Display box. Journal box.
Box. P. F. Boeye. 2,249,268–70; July 15.
Box for mailing a plurality of classes of merchandise. M. P. Junkin. 2,249,657; July 15.
Box making machine. C. A. Moeller. 2,249,431–2; July 15.
Bracelet linkage. C. L. MacIntosh. 2,249,086; July 15.
Bracket: *See*—
Hinge bracket.
Brake: *See*—
Vehicle brake.
Brake. G. K. McCann. 2,249,220; July 15.
Brake. C. Press. 2,249,227; July 15.
Brake construction. C. Hollerith. 2,249,139; July 15.
Brake liner fastening. A. B. Kempel. 2,249,428; July 15.
Brassière, Hospital. A. L. Livingston. 2,249,296; July 15.
Buckle. P. W. White. 2,249,409; July 15.
Buffing machine. W. D. Abbott. 2,249,699; July 15.

Building construction. L. Baumgartl. 2,249,106; July 15.
Building corner and making same. H. A. Mulderink. 2,249,028; July 15.
Building corner piece. H. A. Mulderink. 2,249,027; July 15.
Building material. R. T. Johnston. 2,249,000; July 15.
Building material, Fire retardant. A. A. Allen. 2,249,590; July 15.
Burial receptacle, Coated. J. R. Brady and L. F. Lang. 2,249,283; July 15.
Burner: *See*—
Cactus burner. Gas burner.
Fuel burner.
Burner control apparatus. J. H. Thornbery. 2,249,442; July 15.
Bushing, Insertable insulating. C. A. Badeau. 2,249,593; July 15.
Butter dispensing machine. B. Garilus. 2,248,980; July 15.
Cabinet assembly. K. E. B. Stenberg. 2,249,693; July 15.
Cabinet structure. J. E. Bales. 2,248,920; July 15.
Cable and making the same, Rectangular. A. U. Welch, Jr., and C. M. Cederstrom. 2,249,509; July 15.
Cactus burner. A. T. Ploch. 2,249,398; July 15.
Calibration means. E. E. Rosaire. 2,249,328; July 15.
Cap: *See*—
Post cap.
Car: *See*—
Refrigerator car.
Car construction refrigerator. C. D. Bonsall. 2,248,945-6; July 15.
Car door. C. E. Eklind. 2,249,520; July 15.
Carbon monoxide, Combustion of. H. J. Houdry. 2,248,994; July 15.
Carburizing apparatus. R. H. Cramer. 2,249,199; July 15.
Carrier: *See*—
Foldable package carrier. Negative carrier.
Cart, Hand. E. L. Masters. 2,249,019; July 15.
Carton. R. Guyer. 2,249,244; July 15.
Case: *See*—
Instrument carrying case.
Case loader. J. L. Ferguson. 2,249,201; July 15.
Cash register. W. J. Pasinski. 2,249,224; July 15.
Casing construction. M. P. Rumney and C. W. Kelly. 2,249,257; July 15.
Casket placing device. C. E. Gelbach. 2,249,126; July 15.
Catheter, Inflatable. J. M. Auzin. 2,248,934; July 15.
Cathode ray tubes, Operating. M. von Ardenne. 2,249,066; July 15.
Cathodes coating oxide. E. Borchardt and H. Pietsch. 2,249,598; July 15.
Cellulose acetate and dry bath compositions, Dyeing. L. C. Galatioto. 2,249,607; July 15.
Cellulose derivative composition, Plasticized. J. B. Dickey and J. G. McNally. 2,249,518; July 15.
Cellulose ether recovery. H. M. Spurlin. 2,249,673; July 15.
Cellulose with titanium compound, Bleaching. A. O. Bragg. 2,249,646; July 15.
Cellulose xanthate, Preparation of solutions of heat-ripened. G. A. Richter and H. P. Vannah. 2,249,175; July 15.
Centrifugal hydroextractor. A. Bailly. 2,249,306; July 15.
Chain: *See*—
Tire chain.
Chain link, Mechanical. J. L. Gilmore. 2,249,238; July 15.
Chair and bed, Combined. J. D. Bell. 2,249,266; July 15.
Chemical agriculture system. E. W. Brundin. 2,249,197; July 15.
Chlorides and process, Aromatic aliphatic ether. H. A. Bruson. 2,249,111; July 15.
Chromanes and producing the same. L. I. Smith and H. E. Ungnade. 2,249,054; July 15.
Chuck. A. A. Pruckner. 2,249,169; July 15.
Chucking device, Power. W. F. Groene and W. R. Meyer. 2,249,240; July 15.
Chucking mechanism. W. L. Groene. 2,249,243; July 15.
Cigarette case and server. M. Levy and R. I. Shank. 2,249,632; July 15.
Circuit: *See*—
Automatic gain expander circuit. Operator's position circuit.
Loop antenna circuit. Transmission circuit.
Open telegraph alarm circuit.
Circuit breaker for spark distributor. A. G. H. Vanderpoel and W. Ostling. 2,249,446; July 15.
Circuit controlling and impulse sending device. E. O. Thompson. 2,249,674; July 15.
Circuit interrupter. F. Kesselring, P. Duffing, and J. Behringer. 2,249,006; July 15.
Circulation bridging plug. H. J. Quintrell. 2,249,172; July 15.
Circulation promotion device. J. G. Rea. 2,249,579; July 15.
Clamp: *See*—
Cloth clamp.
Clamps, Making hose. F. L. Darling. 2,248,969; July 15.
Clay by flotation, Treatment of. D. S. Phelps. 2,249,569; July 15.
Clay, Fractionation of. G. J. Lane and D. S. Phelps. 2,249,570; July 15.
Cleaner: *See*—
Internal motor cleaner.
Cleaning apparatus. P. B. Levengood. 2,249,013; July 15.
Clip connection for spring seat structures, Yielding. W. H. Neely. 2,249,031; July 15.
Closure and spout for containers. J. H. Morrison. 2,249,574; July 15.
Cloth clamp. H. W. Gilbert. 2,249,651; July 15.
Clothesline reel. D. H. Coffman. 2,249,114; July 15.
Clothes stand, Folding. H. J. Dery. 2,249,348; July 15.
Clutch: *See*—
Bobbin clutch.
Clutch. R. S. Root. 2,249,043; July 15.
Clutch. J. C. Steiner. 2,249,187; July 15.
Coach door construction. H. A. Flogaus. 2,249,273; July 15.
Coated welding rod. A. R. Lytle and T. H. Vaughn. 2,249,017; July 15.
Coating apparatus and method. J. D. Murray. 2,249,088; July 15.
Coating composition. H. C. Comstock. 2,248,961; July 15.
Coating composition. W. Schulze. 2,249,498; July 15.
Coating composition and the method of preparing the same. F. W. Yeager. 2,249,412; July 15.
Coating method and apparatus. J. D. Murray and R. B. Leech. 2,249,089; July 15.
Coin chute. W. Patzer and W. A. Tratsch. 2,249,225; July 15.
Color photography. F. T. O'Grady. 2,249,032; July 15.
Color photography, Rehalogenation process of. K. Schinzel. 2,249,542; July 15.
Comb and spreader, Permanent wave. J. R. Berry. 2,249,267; July 15.
Combustion apparatus. W. G. Noack. 2,249,489; July 15.
Combustion control. J. J. Klinker. 2,249,008; July 15.
Communication system. R. H. Campbell. 2,249,456; July 15.
Communication system. F. H. Hanley. 2,248,923; July 15.
Commutator motor control, Alternating current. J. H. Walker and B. Adkins. 2,249,477; July 15.
Compass, Gyro. F. D. Braddon. 2,249,345; July 15.
Composition for lining dental plates. W. E. Johnson. 2,248,999; July 15.
Compressor valve. C. W. Leegard. 2,249,480; July 15.
Condensation vacuum pump. F. E. Bancroft and C. W. Miller. 2,249,450; July 15.
Connection for electric condensers. W. Pistor and P. Walther. 2,249,493; July 15.
Connector: *See*—
Electrical connector. Line connector.
Electrical plug connector.
Constant flow valve or spillway. J. S. Thompson. 2,249,586; July 15.
Contact for electroplating machines. W. H. Jackson. 2,249,609; July 15.
Container: *See*—
Beverage container. Liquid separating container.
Germproof paper milk container. Liquid spraying container.
Container and making the same. G. A. Moore. 2,249,392; July 15.
Container for confections. L. G. Copeman. 2,248,963; July 15.
Control apparatus. E. G. Chambers. 2,249,418; July 15.
Control apparatus for railway signaling systems, Approach. F. H. Nicholson. 2,249,722; July 15.
Control for loom reeds. R. G. Turner. 2,249,407; July 15.
Control gear for explosion of internal combustion engines. O. Kiesel and H. Arquint. 2,249,143; July 15.
Control system. J. K. Clark. 2,249,682; July 15.
Control system, Fluid flow. C. A. Brown. 2,249,719; July 15.
Control system for synchronous machine. S. C. Ewing. 2,249,465; July 15.
Control system, Traffic actuated. H. A. Wilcox and J. L. Barker. 2,249,100; July 15.
Control valve. D. G. Taylor. 2,249,623; July 15.
Controllable electric discharge device. A. Etzrodt. 2,249,604; July 15.
Controlling the delivery of threads during twisting. A. E. Sunderland. 2,249,404; July 15.
Conveyer. G. A. Waddle. 2,249,588; July 15.
Conveyer board. N. Trydal. 2,249,504; July 15.
Conveyer link. R. J. Ernst. 2,249,720; July 15.
Conveying table for the transverse feeding of material in sheet form. G. Spiess. 2,249,186; July 15.
Cooler: *See*—
Milk cooler.
Cooler and work table unit. V. Rocco. 2,249,299; July 15.
Cork structure, Closure. A. L. Merolle. 2,249,022; July 15.
Coupler operating device. A. E. Small. 2,249,184; July 15.
Coupling: *See*—
Threadless interlocking coupling.
Coupling device. G. H. Brown. 2,249,597; July 15.
Crankpin grinding apparatus. L. F. Kline. 2,249,388; July 15.

Crankshafts, Treating. W. L. Groene. 2,249,242; July 15.
Crate, Collapsible. W. A. Thimm. 2,249,189; July 15.
Crusher, Feed. D. D. Fehr. 2,249,648; July 15.
Curler, Hair. C. N. Laskaris. 2,249,315; July 15.
Curler, Hair. A. V. Scolas and E. J. Jahnel. 2,249,300; July 15.
Current responsive device. W. Nürnberg. 2,249,490; July 15.
Cushioned clutch and facing. S. K. Wellman. 2,249,281; July 15.
Cutoff electric switch, Thermostatic. J. F. Adams. 2,248,928; July 15.
Cutter: *See*—
Pastry cutter.
Cutting tool assembly for lathes. J. A. Anania. 2,248,931; July 15.
Cutting torch. R. Bechtle and E. Habermehl. 2,249,413; July 15.
Delivering mechanism for newspapers or the like. H. H. Rapley and G. H. Rawlins. 2,249,666; July 15.
Dental hand piece. M. Staunt. 2,249,058; July 15.
Dental model trimmer. R. Bunch. 2,248,953; July 15.
Device for cooling air-cooled internal combustion engines with the cylinders arranged in rows. K. Löhner. 2,249,319; July 15.
Device for pulling pipes and the like. P. W. Thomure. 2,249,585; July 15.
Device for stemming leaves and flowers. F. W. Reichelt. 2,249,567; July 15.
Device for teaching golf swing. W. Ellington. 2,249,038; July 15.
Dextran resinous product. G. L. Stahly and W. W. Carlson. 2,249,544; July 15.
Direct current power system. O. H. Walton. 2,249,099; July 15.
Discharge device. H. J. Spanner. 2,249,672; July 15.
Discharge lamp. E. Friederich, M. Reger and G. Galdies. 2,248,979; July 15.
Dispensing and closure cap for flexible tubes. C. W. Johnsen. 2,249,385; July 15.
Dispensing device. C. J. Christensen and L. Fortney. 2,248,958; July 15.
Dispensing device. A. F. Jenkins. 2,249,082; July 15.
Dispensing device for coiled wire. K. F. Russell. 2,249,047; July 15.
Display box. R. A. Lambert. 2,249,430; July 15.
Display device. L. A. Kagel. 2,249,142; July 15.
Distribution cutout. H. J. Lingal and H. J. Crabbs. 2,249,014; July 15.
Divider means for filing trays or drawers. A. T. Swimmer. 2,249,548; July 15.
Door: *See*—
Car door. Fire door.
Dough processing apparatus. D. A. Battiste. 2,249,307; July 15.
Drying composition. F. W. Corkery. 2,248,966; July 15.
Drying, Method for. F. R. Bichowsky. 2,249,624; July 15.
Dump truck, Self-loading. H. J. Goodman. 2,249,356; July 15.
Duplicating machine. W. A. Kropp. 2,249,313; July 15.
Elapsed-time indicator. A. E. Wigelsworth. 2,249,072; July 15.
Electric accumulator. H. Neale. 2,249,030; July 15.
Electric circuit breaker. O. C. Traver. 2,249,444; July 15.
Electric circuit controller. R. S. Fulton. 2,249,237; July 15.
Electric circuit for color correction. V. C. Hall. 2,249,522; July 15.
Electric circuit interrupter. J. W. Seaman. 2,249,499; July 15.
Electric contacting element. F. R. Hensel. 2,249,136; July 15.
Electric discharge apparatus. J. W. Dawson. 2,248,968; July 15.
Electric discharge apparatus. L. D. Miles. 2,249,485; July 15.
Electric discharge tube. E. O. Seitz. 2,249,094; July 15.
Electric gauge. H. P. Kuehni. 2,249,477; July 15.
Electric motor. C. Skowron. 2,249,671; July 15.
Electric switch. J. Applegarth, Sr. 2,249,645; July 15.
Electrical connector. K. Perkins. 2,249,618; July 15.
Electrical contact device. R. M. Burns and E. M. Tolman. 2,249,599; July 15.
Electrical fixture support. M. Sachs. 2,249,331; July 15.
Electrical insulation. E. T. Croasdale. 2,249,458; July 15.
Electrical measuring apparatus. H. Boekels and A. Brosch. 2,249,452; July 15.
Electrical measuring system. N. K. Olson. 2,249,164; July 15.
Electrical plug connector. K. Perkins. 2,249,619; July 15.
Electrical proble. G. B. and L. L. Parker and J. P. Meehan. 2,249,166; July 15.
Electroacoustic device. E. E. Mott. 2,249,161; July 15.
Electrode assembly. N. H. Green. 2,248,987; July 15.
Electrodes for arc welding, Coating. K. Lange. 2,249,085; July 15.
Electro-optical apparatus. F. Gray. 2,248,985; July 15.
Electro-optical device. L. E. Flory and G. A. Morton. 2,248,977; July 15.
Electro-optical system. F. Gray. 2,248,986; July 15.
Electron-image device. E. G. Ramberg and G. A. Morton. 2,249,041; July 15.
Electron multiplying electrode. H. G. Lubszynski and J. D. McGee. 2,249,016; July 15.
Electron-optical device. G. A. Morton and E. G. Ramberg. 2,249,025; July 15.
Electron tube. V. K. Zworykin. 2,249,552; July 15.
Electroresponsive device. W. Würth. 2,249,513; July 15.
Enamelware, Making. C. J. Kinzie and C. H. Commons, Jr. 2,249,007; July 15.
Engine: *See*—
Internal combustion engine.
Engine indicator. R. H. Morse, Jr. 2,249,573; July 15.
Engine starter. R. M. Nardone. 2,249,393; July 15.
Engine starting apparatus. T. D. Joeck. 2,249,209; July 15.
Escutcheon for handles and the like. G. E. Dey. 2,249,272; July 15.
Ester substituted cyanamide. I. Hechenbleikner and C. Best. 2,249,134; July 15.
Esters, Purification of vitamin A. K. C. D. Hickman. 2,249,525; July 15.
Excavating apparatus. R. S. Weimer. 2,249,070; July 15.
Exhaust, Method of. G. A. Freeman. 2,249,605; July 15.
Exhaust machine. V. H. Van Sant. 2,249,098; July 15.
Extrusion device. E. C. Johnston and A. B. Webb. 2,249,311; July 15.
Fabric: *See*—
Asbestos fabric. Knitted fabric.
Glass fabric.
Farm gate. J. R. Royer. 2,249,046; July 15.
Feather drying machine. T. M. Knox. 2,249,563; July 15.
Feed control and signal, Hopper. J. A. Askenback. 2,249,372; July 15.
Feed mechanism, Rock drill. G. C. Pearson. 2,249,716; July 15.
Feed tube support. A. F. Jelinek and W. E. Gross. 2,249,561; July 15.
Feeder: *See*—
Glass feeder.
Feeding mechanism for rock drills. B. R. Sheets. 2,249,639; July 15.
Fence, Electric. C. Pfanstiehl. 2,249,696; July 15.
Fender shield and adapter. A. P. Fergueson. 2,249,421; July 15.
Fertilizer collecting apparatus. H. M. Danker. 2,249,555; July 15.
Fibre, Stapling continuous artificial. R. Kern. 2,249,083; July 15.
Film or sheet forming apparatus. H. E. Van Derhoef. 2,249,507; July 15.
Filter: *See*—
Wave filter.
Filter leaf. H. A. Swem. 2,249,063; July 15.
Filter units, Rehabilitation of. D. E. Graham, A. P. Smith, and C. B. Wilson. 2,249,521; July 15.
Firearm. J. B. Decker and A. Hummel. 2,248,970; July 15.
Fire door. A. A. Allen. 2,249,591; July 15.
Fishing paraphernalia. H. Henriksen. 2,249,382; July 15.
Fishing rod holder. H. J. Smith. 2,249,302; July 15.
Fishing tool. C. J. Haynes. 2,249,358; July 15.
Flashlight. A. Gelardin. 2,249,689-91; July 15.
Flashlight, Pocket. A. Gelardin. 2,249,692; July 15.
Flow device, Differential stage lift. A. Boynton. 2,248,950; July 15.
Flow device, Differential stage lift. A. Boynton. 2,248,951; July 15.
Fluid operated switch. J. C. D. Jensen. 2,249,208; July 15.
Fly dressing applier. M. Rairigh. 2,249,327; July 15.
Flycatcher. F. Travnicek. 2,249,718; July 15.
Focus adjuster for enlargers. E. C. Rogers. 2,249,229; July 15.
Focusing stop for shutters. W. A. Riddell. 2,249,540; July 15.
Foldable package carrier. L. Fleck and G. Suchestow. 2,249,123; July 15.
Folder, Advertising. F. B. Sohl. 2,249,260; July 15.
Foot and ankle protector. D. Catalfo. 2,249,553; July 15.
Formaldehyde and acetic acid, Producing. W. P. Gerg. 2,249,380; July 15.
Foundation garment or the like. P. H. Robbins. 2,249,668; July 15.
Frame: *See*—
Picture frame. Winding frame.
Frequency meter. W. Engbert and F. Herz. 2,249,420; July 15.
Friction element for power transmission. H. Berg and B. von Zychlinski. 2,249,514; July 15.
Frictional device. S. K. Wellman. 2,249,282; July 15.
Frost measuring device. E. J. Fields. 2,249,466; July 15.
Fuel burner. E. J. Pearson. 2,249,434; July 15.
Fuel injection pump for Diesel engines. F. Huband. 2,249,656; July 15.

Fuel transfer pump. K. Rabe. 2,249,326; July 15.
Furnace: *See*—
Annealing furnace. Hot-air furnace.
Glass melting furnace.
Fuse. W. O. Schultz. 2,249,178; July 15.
Game apparatus, Ball. O. Lowenherz. 2,249,566; July 15.
Gaming device. E. L. Garrett. 2,249,079; July 15.
Game trap. C. Smith. 2,249,332; July 15.
Garment construction. H. A. Carter. 2,249,198; July 15.
Garment hanger. W. C. Gerard. 2,249,288; July 15.
Gas burner. O. W. Anderson and C. L. Couch. 2,248,932; July 15.
Gas heat exchanger, Flue. H. Simmon. 2,249,301; July 15.
Gasket and casing therefor, Composite. F. W. Goetze. 2,249,127; July 15.
Gasoline, Manufacture of antiknock. F. F. Diwoky. 2,249,461; July 15.
Gate: *See*—
Farm gate.
Gauge: *See*—
Electric gauge. Thread gauge.
Gear finishing. M. B. Mentley. 2,249,252; July 15.
Gearshift, Remote control. A. A. Rubly. 2,249,176; July 15.
Generator: *See*—
Oscillation generator.
Generator brush releasing tool. B. A. Riccio. 2,249,396; July 15.
Germanium, Separation of. C. Zischkau. 2,249,341; July 15.
Germproof paper milk container. O. E. Seiffert. 2,249,052; July 15.
Geyser. M. Rabinowicz. 2,249,090; July 15.
Glass fabric, Coated. C. S. Hyatt and J. C. Lowman. 2,249,528; July 15.
Glass feeder. S. E. Winder. 2,249,371; July 15.
Glass melting furnace. J. E. McBurney. 2,249,714; July 15.
Gluing machine. J. M. Minkow. 2,249,024; July 15.
Goggle. J. W. Aspenleiter. 2,249,105; July 15.
Golf ball cores, Making. P. Kalowski. 2,249,612; July 15.
Goniometer, Iron. K. Bihl, and P. Hermanspann. 2,249,414; July 15.
Governor. W. H. Stryker. 2,249,439; July 15.
Grinding machine. F. J. Theler. 2,249,065; July 15.
Gun, Calking. E. H. Sieg. 2,249,401; July 15.
Gun, Fluid gas. F. E. Greene. 2,249,608; July 15.
Gun mounting for machine guns adapted to recoil. R. Braun and H. Herlach. 2,249,310; July 15.
Gyroscope, Directional. R. Alkan. 2,249,373; July 15.
Hair clipper. H. L. King. 2,249,293; July 15.
Hand control for motor vehicles. E. D. Jones. 2,249,291; July 15.
Handle means for containers. I. J. Kleina. 2,249,144; July 15.
Handling mechanism, Work. W. F. Groene and W. R. Meyer. 2,249,241; July 15.
Hanger: *See*—
Garment hanger. Liner hanger.
Hauling device, Combination. E. T. Menard. 2,249,250; July 15.
Hearing aid, Wearable bone-conduction. H. Lieber. 2,249,572; July 15.
Heat exchanger, Plate. W. Astle. 2,248,933; July 15.
Heating system. W. T. Ferguson. 2,249,706; July 15.
Heddle. O. Mahler. 2,249,390; July 15.
Hemming machine, Double head. J. Galkin. 2,249,423; July 15.
High frequency apparatus. S. Ramo. 2,249,494; July 15.
High frequency concentric line. W. S. L. Tringham. 2,249,443; July 15.
Highway barricade support. S. L. Dearing. 2,249,685; July 15.
Highway crossing protection. G. R. Pflasterer. 2,249,037; July 15.
Hinge bracket, Triple action. F. J. Stollsteiner. 2,249,403; July 15.
Hinge for automobile doors, Concealed. C. Dumelin. 2,248,972; July 15.
Hoisting lines, Mechanism for paying out. J. C. Smaltz and C. W. Kahlerth. 2,249,185; July 15.
Holder: *See*—
Fishing rod holder. Shade guide holder.
Holder for reels of tape or twine. B. B. Bishop. 2,249,680; July 15.
Holding attachment for pliers. S. E. Littlefield. 2,249,661; July 15.
Hood, Welding. G. W. Goldsmith. 2,249,239; July 15.
Hose nozzle. P. Faine. 2,249,274; July 15.
Hot air furnace, All-weather. F. R. Daly. 2,249,554; July 15.
Hot plate, Electric. J. A. Knight. 2,249,476; July 15.
Hydraulic boomer. L. L. Fox. 2,249,078; July 15.
Hydraulic brake system. J. W. Dudley. 2,249,286; July 15.
Hydraulic device for presses, Auxiliary. H. F. MacMillin. 2,249,149; July 15.
Hydraulic governing mechanism. D. F. Warner. 2,249,508; July 15.
Hydrocarbon distillates, Treatment of cracked. W. J. Ryan and M. T. Kendall. 2,249,276–7; July 15.
Hydrocarbon fluid, Heating. J. H. Rickerman. 2,249,697; July 15.
Hydrocarbons, Catalytic treatment of. W. L. Benedict. 2,249,595; July 15.
Hydrocarbons, Catalytic treatment of. C. L. Thomas. 2,249,584; July 15.
Hydrocarbons, Conversion of. D. B. Eastman and C. Richker. 2,249,705; July 15.
Hydrocarbons, Polymerization of. C. L. Thomas. 2,249,583; July 15.
Hydrocarbons, Process for the treatment of. G. H. Visser and W. F. Engel. 2,249,337; July 15.
Hydroxides, Producing colloidal metal. R. S. Bley. 2,248,943; July 15.
Ignition device for oil ranges. O. A. Hendengren. 2,248,991; July 15.
Implement for applying fluent materials. J. P. Nissen, Jr. 2,249,163; July 15.
Impulse sending device. E. O. Thompson. 2,249,717; July 15.
Indicator: *See*—
Elapsed-time indicator. Tire pressure indicator.
Engine indicator.
Induction apparatus, Stationary. P. A. Vance. 2,249,506; July 15.
Inking device. E. O. Eckland and W. H. Young. 2,248,974; July 15.
Insecticide spraying device. G. Hettinger. 2,249,359; July 15.
Instrument carrying case. L. M. Corless. 2,249,116; July 15.
Instrument case lock. N. J. Smith. 2,249,438; July 15.
Insulated electrical conductor. W. Koch. 2,249,280; July 15.
Insulating material and method of manufacture. A. J. Hanley. 2,249,275; July 15.
Interlocking circuit breaker. G. A. Matthews. 2,249,662; July 15.
Internal combustion engine. H. A. Gehres. 2,249,354; July 15.
Internal combustion engine. E. Hanson. 2,248,989; July 15.
Internal combustion engine locomotive. M. Essl. 2,249,628; July 15.
Internal motor cleaner. W. R. Smith. 2,249,303; July 15.
Iron sheets or strips, Annealing. W. Fackert. 2,249,556; July 15.
Ironing board. G. Browning. 2,249,110; July 15.
Irrigation machine. L. A. Gunther. 2,249,130; July 15.
Isobutane, Production of. A. J. van Peski and G. H. Visser. 2,249,366; July 15.
Jack. E. Aron. 2,248,919; July 15.
Jacking structure, Vehicle. F. W. Schmidt. 2,249,050; July 15.
Joint anchor for portable structures. E. S. Guignon, Jr. 2,249,203; July 15.
Journal box. W. Blackmore. 2,249,596; July 15.
Ketene, Producing. J. Sixt and M. Mugdan. 2,249,543; July 15.
Ketones of the cyclopentano polyhydro phenanthrene series, Manufacture of α, β-unsaturated. A. Butenandt. 2,248,954; July 15.
Key board and music staff memorizer. F. McCaffrey. 2,249,391; July 15.
Key for removing manhole covers and the like from their frames. V. Elkington. 2,249,603; July 15.
Knitted fabric. H. Aull. 2,249,342; July 15.
Knitted fabric. E. Hughes. 2,249,081; July 15.
Ladder attachment. W. M. Wilson. 2,249,304; July 15.
Lamp: *See*—
Discharge lamp.
Lamp fixture, Fluorescent. A. O. Locke. 2,249,318; July 15.
Lasting machine for prewelt shoes. A. W. Dunn. 2,249,647; July 15.
Latch: *See*—
Refrigerator latch.
Lathe. R. Krug. 2,249,146; July 15.
Lathe. J. E. Lovely and R. M. Gamble. 2,249,148; July 15.
Lead-in device for electric sadiron. A. O. Samuels. 2,249,620; July 15.
Lead sulphate. A. Stewart. 2,249,330; July 15.
Leveling rod. C. H. Frost. 2,249,707; July 15.
Lift mechanism for implement. H. N. James. 2,249,630; July 15.
Lifting connection for tractor implement. H. P. Smith. 2,249,640; July 15.
Light indicating apparatus. J. L. Michaelson. 2,249,483; July 15.
Line connector. F. Pennell. 2,249,492; July 15.
Liner hanger. H. J. Quintrell. 2,249,170; July 15.
Liquid level apparatus. C. McDermott. 2,249,321; July 15.
Liquid measuring and delivering apparatus. H. H. Beasley. 2,249,594; July 15.

Liquid separating container. H. G. Musolf. 2,249,487; July 15.
Liquid spraying container. M. Lassmann. 2,249,478; July 15.
Loading device, Truck trailer. C. I. Crow. 2,249,684; July 15.
Lock: *See*—
Instrument case lock. Sliding door lock.
Locking device. R. Marple and A. F. Baker. 2,249,018; July 15.
Locomotive cab support. L. L. Neebe and W. A. Bardsley. 2,249,617; July 15.
Loop antenna circuit. W. H. Grimditch. 2,249,129; July 15.
Louver panel construction. L. M. Jones. 2,249,386; July 15.
Lowering device, Casket. E. E. Eshleman. 2,249,687; July 15.
Lubricant. W. A. Smith. 2,249,333; July 15.
Lubricating composition. E. W. Cook and W. D. Thomas, Jr. 2,249,626; July 15.
Lubrication system of internal-combustion engines. F. M. Owner. 2,249,165; July 15.
Luster effects on textiles, Producing. J. A. Wainwright and J. Allan. 2,249,069; July 15.
Machine for forming hollow glass articles. J. R. Hoge. 2,249,709; July 15.
Machine for making washers or the like. J. A. Chappuis. 2,249,113; July 15.
Machine for waxing blanks. M. H. and G. L. Sidebotham. 2,249,182; July 15.
Magnetic novelty. W. J. Brake. 2,249,454; July 15.
Manufacture of electrolytic devices. P. Robinson and M. Nazzewski. 2,249,091; July 15.
Match, Book. R. A. Premo. 2,249,168; July 15.
Material for taking impressions for dental or other purposes. S. W. Wilding. 2,249,694; July 15.
Measuring instrument. M. Curcio. 2,248,967; July 15.
Mechanism for hot stamping. A. Drucker and P. La Penna. 2,249,627; July 15.
Medicament. G. D. Hiatt. 2,249,523; July 15.
Metal catalysis, Suppression of. J. A. Chenicek. 2,249,602; July 15.
Metal corrosion, Decreasing. C. J. Wilson and C. E. Morrell. 2,249,340; July 15.
Meter: *See*—
Frequency meter. Parking time meter.
Method and apparatus for applying temporary protective coatings to articles. M. E. Hansen. 2,249,205; July 15.
Method and apparatus for determining the character and points of ingress of well fluids. J. R. Gillbergh. 2,248,982; July 15.
Method and apparatus for medical purposes. R. F. James and D. Hart. 2,249,610; July 15.
Method and apparatus for reducing ore. L. Wilson. 2,249,410; July 15.
Method of and apparatus for air conditioning. P. Schlumbohm. 2,249,621; July 15.
Method of and apparatus for crowning gears. M. B. Mentley. 2,249,251; July 15.
Method of and apparatus for testing ignition coils. J. D. Morgan and P. B. Levitt. 2,249,157; July 15.
Method of and apparatus for testing receivers. E. Hartmann and L. E. Krebs. 2,249,131; July 15.
Method of and apparatus for treating thermoplastic tubes. D. and J. Kahn. 2,249,004; July 15.
Method of and machine for making neckties or similar articles. V., H., and R. Naftali. 2,249,253; July 15.
Microscope, Electron. H. Boersch and H. Mahl. 2,249,453; July 15.
Milk cooler. C. P. Lee. 2,249,660; July 15.
Mill: *See*—
Ore reduction mill.
Moisture separating apparatus. J. Doucette. 2,249,077; July 15.
Mold: *See*—
Sharp freezing mold.
Mop. C. M. Hilty. 2,249,559; July 15.
Motor: *See*—
Electric motor. Spring motor:
Motor control and phasing. L. M. Potts. 2,249,435; July 15.
Motor driving device for selectors in communication systems. K. Müllerheim. 2,249,029; July 15.
Mounting for airplane engines. R. S. Trott. 2,249,194; July 15.
Mower, Tractor. R. D. MacDonald and S. E. Hillblom. 2,249,633; July 15.
Needle for knitting machines, Loop transferring. H. H. Holmes. 2,249,080; July 15.
Needle, Phonograph. H. L. Imelmann. 2,249,713; July 15.
Negative carrier, Photographic. E. C. Rogers. 2,249,228; July 16.
Negative reproductions for photo-engraving or etching process, Preparing. S. D. Craine. 2,249,419; July 15.
Nozzle, Oil burner. A. Macchi. 2,249,482; July 15.
Nozzle, Suction. R. E. Dunbar. 2,249,463; July 15.
Nursing instrument, Baby. L. A. Zohe. 2,249,551; July 15.
Nut tapping machine. S. Baxendale. 2,249,196; July 15.
Oil, Baking. F. W. Corkery. 2,248,965; July 15.
Oil, Baking. F. W. Corkery. 2,249,115; July 15.
Oil ingredients and producing them, Lubricating. E. Lieber. 2,249,565; July 15.
Oil, Lubricating. B. H. Lincoln, W. L. Steiner, and A. Henriksen. 2,248,925; July 15.
Oil precleaner. L. A. Holmes and C. H. Bills. 2,248,992; July 15.
Oil refiner. A. R. White. 2,249,071; July 15.
Oil valve for cutting machines. W. H. Reese. 2,249,395; July 15.
Oiling device. A. L. McHugh. 2,249,021; July 15.
Oils, Addition agent for lubricating. E. Lieber. 2,249,564; July 15.
Oils and fats, Refining glyceride. B. Clayton. 2,249,702; July 15.
Oils, Improving. K. C. D. Hickman and J. C. Hecker. 2,249,524; July 15.
Oils, Producing quick-drying. F. W. Corkery. 2,248,964; July 15.
Oils, Refining of animal and vegetable. B. Clayton. 2,249,701; July 15.
Oils, Refining of vegetable. B. Clayton. 2,249,700; July 15.
Oils, Treatment of hydrocarbon. I. H. Kinneberg. 2,249,613; July 15.
Open telegraph alarm circuit. R. J. Anspach. 2,249,103; July 15.
Opener, Carton. P. H. Unsinger. 2,249,195; July 15.
Operator's position circuit. F. S. Irvine. 2,249,362; July 15.
Ore reduction mill. G. F. Ainsa. 2,248,927; July 15.
Orifice element for joints. J. E. Gray and W. M. Parker. 2,249,469; July 15.
Oscillation generator, Electrical. C. L. Faudell. 2,248,975; July 15.
Oscillator. R. W. Baily. 2,249,264; July 15.
Oven. D. E. Marshall. 2,249,152; July 15.
Oven for the production of gas and coke, Continuously operated vertical chamber. P. Soulary. 2,249,056; July 15.
Over-bed table. J. B. Caldwell. 2,249,455; July 15.
Overhead conveyer. E. E. Landahl. 2,249,531; July 15.
Oximes, Rearrangement reaction of. P. Schlack. 2,249,177; July 15.
P-(N-primary aliphatic amino) phenols, Preparation of. H. M. Fitch. 2,249,352; July 15.
Packing means for bridging plugs. L. D. Meddick. 2,249,155; July 15.
Pad. H. O. Johnson. 2,249,363; July 15.
Paper feeding machine, Automatic. J. J. Thompson. 2,249,190; July 15.
Paper, Impregnated. F. De Witt. 2,249,118; July 15.
Paper machine, Cylinder. P. H. Goldsmith. 2,249,128; July 15.
Paraffin, Oxidation of. M. M. Hicks-Bruun. 2,249,708; July 15.
Parking-time meter. F. I. du Pont. 2,249,350; July 15.
Pasteurizer. N. J. Peters. 2,249,036; July 15.
Pipe: *See*—
Smoking pipe.
Pastry cutter. B. M. Sajnaj. 2,249,399; July 15.
Patch applying for satchel bottom bags. L. Bischoff, R. Loeffler, Jr., and E. Jaeger. 2,249,451; July 15.
Phase and frequency modulation diversity receiving system. C. W. Hansell. 2,249,425; July 15.
Phonograph, Automatic. G. Lessman. 2,249,216; July 15.
Photographs by intermediate dye coupling, Production of natural color. K. Schinzel. 2,249,541; July 15.
Physical training appliance. I. Benkö. 2,249,309; July 15.
Picking machine. E. A. Botimer. 2,249,109; July 15.
Pickling of steel. D. C. Hilty. 2,249,383; July 15.
Pickup hook for broken rods. W. D. Osborn. 2,249,254; July 15.
Picture frame. C. E. Minnick. 2,249,663; July 15.
Pie dough press. A. Richardson. 2,249,667; July 15.
Piezoelectric conversion system. H. Ando. 2,249,305; July 15.
Pile extractor. W. Behm. 2,248,936; July 15.
Pipe wrench. E. J. Jahnel. 2,249,290; July 15.
Piston expander. A. W. Detjen. 2,249,704; July 15.
Piston inner ring or expander. H. P. Phillips. 2,249,256; July 15.
Piston machine, Free. R. Pateras Pescara. 2,249,397; July 15.
Piston pump. J. M. Shimer. 2,249,400; July 15.
Piston ring, Reinforced. H. P. Phillips. 2,249,255; July 15.
Pitchometer, Recording. I. D. Eby. 2,248,973; July 15.
Planter, Seed. W. A. Dennis. 2,249,376; July 15.
Planting machine. E. A. Doubet. 2,248,922; July 15.
Plaster base and insulating block, Combination. J. B. Williamson. 2,249,073; July 15.
Plug: *See*—
Circulation bridging plug.
Plug packing sleeve, Bridging. H. J. Quintrell. 2,249,171; July 15.
Pneumatic piston pump, Differential type. A. Boynton. 2,248,949; July 15.
Pneumatic thread control system for looms. R. G. Turner. 2,249,406; July 15.

Polarized relay. R. L. Peek, Jr. 2,249,577; July 15.
Polymeric material. H. B. Dykstra. 2,249,686; July 15.
Polymers, Hydrogenation of terpene. M. O. Carmody. 2,249,112; July 15.
Polyvinyl acetal resin sheets containing a mixture of dibutyl sulphone and dibutyl phthalate. D. R. Swan. 2,249,545; July 15.
Polyvinyl, alcohol and hydroxy aromatic compounds and their preparation, Reversible gel compositions of. W. H. McDowell and W. O. Kenyon. 2,249,536; July 15.
Polyvinyl alcohol and substituted hydroxy aromatic compounds and their preparation, Reversible gel compositions of. W. H. McDowell and W. O. Kenyon. 2,249,538; July 15.
Polyvinyl alcohols and hydroxybenzaromatic amides and their preparation, Reversible gel compositions of. W. H. McDowell and W. O. Kenyon. 2,249,537; July 15.
Porous block filter in lubricating system of internal combustion engines. S. W. Briggs and C. G. Gilbert. 2,249,681; July 15.
Post cap. G. A. Gustafson. 2,249,381; July 15.
Potato digger. F. P. Noffsinger. 2,249,394; July 15.
Pour point depressant. E. Lieber. 2,249,317; July 15.
Pouring means, Friction top. A. N. Gerth. 2,248,981; July 15.
Power and transmission unit. C. D. Peterson and E. J. Barth. 2,249,035; July 15.
Power tester. C. C. Bennett. 2,248,938; July 15.
Precision-calibrating device with pointer. W. C. Wagner and F. Strattner. 2,249,068; July 15.
Press: *See*—
Pie dough press. Printing press.
Pressure applying means for spinning frames. G. West. 2,249,408; July 15.
Preventing the unintentional shutting of doors, Device for. E. Köhler. 2,249,294; July 15.
Printing press. C. A. Meisel. 2,248,926; July 15.
Printing telegraph apparatus. L. M. Potts. 2,249,040; July 15.
Projection device. H. H. Styll. 2,249,061; July 15.
Projector, Television film. L. W. Parker. 2,249,167; July 15.
Protective device for electrical apparatus. M. G. Leonard. 2,249,012; July 15.
Protector: *See*—
Fire protector. Wrist watch protector.
Foot and ankle protector.
Shingle and siding edge protector.
Protein composition and making same. P. L. Julian and E. B. Oberg. 2,249,003; July 15.
Pulse count and blood pressure apparatus. B. W. and H. S. Williams. 2,239,370; July 15.
Pump: *See*—
Condensation vacuum pump Pneumatic piston pump.
Fuel transfer pump. Rotary fluid pump.
Pumping assembly for aircraft, Detachably connected. E. C. Wells and W. E. Beall. 2,249,339; July 15.
Puncturing device, Can. W. J. Kershenstein. 2,249,631; July 15.
Push button switch construction. J. C. Joost and C. Miller. 2,249,001; July 15.
Push-off device for take-up of cold rolling machines. F. A. Ford and T. D. Williams. 2,249,379; July 15.
Radio alarm system. J. O. Howton. 2,249,560; July 15.
Radiographic unit. G. W. Files. 2,248,976; July 15.
Railway traffic controlling apparatus. J. W. Logan, Jr. 2,249,015; July 15.
Range finder. J. E. Woodbury. 2,249,589; July 15.
Reamer, Adjustable. H. C. Satterthwaite. 2,249,437; July 15.
Receptacle: *See*—
Burial receptacle. Storage receptacle.
Receptacle for poker chips. S. S. Karns. 2,249,005; July 15.
Recorder, Multiple. J. T. Potter. 2,249,324; July 15.
Reel: *See*—
Clothesline reel.
Reel. J. B. Palmer. 2,249,433; July 15.
Refrigerating apparatus. D. D. Wile. 2,249,101; July 15.
Refrigerating apparatus. E. R. Wolfert. 2,249,074; July 15.
Refrigerating unit. H. A. Glenn. 2,249,202; July 15.
Refrigeration condenser control. P. Schlumbohm. 2,249,622; July 15.
Refrigerator car. C. D. Bonsall. 2,248,944; July 15.
Refrigerator car construction. K. E. Zeidler. 2,249,102; July 15.
Refrigerator latch. L. L. Anderson. 2,249,644; July 15.
Registering apparatus for printing form. A. Hofrichter. 2,249,245; July 15.
Reinforcing member for flat wire springs. W. C. Sandor. 2,249,048; July 15.
Relay, Electromagnetic. N. F. Agnew. 2,249,104; July 15.
Relief valve. W. E. Hubbard. 2,249,206; July 15.
Remote control system. G. W. Baughman. 2,248,935; July 15.
Reservoir desk stand. L. P. Martin. 2,249,616; July 15.
Resilient articles, Making. O. B. Welker. 2,249,510; July 15.
Resinous composition. G. F. D'Alelio. 2,249,460; July 15.
Reversing mechanism. H. E. Balsiger. 2,249,343; July 15.
Ricing machine, Vegetable. O. Gano. 2,249,688; July 15.
Rim, Demountable. W. C. Shinliver. 2,249,568; July 15.
Rim side ring. W. S. Brink. 2,248,952; July 15.
Ring: *See*—
Piston ring. Rim side ring.
Roach trap. F. N. Chapman. 2,249,601; July 15.
Rod: *See*—
Coated welding rod. Leveling rod.
Rod assembly and parts, Stopper. J. Bidner and W. W. Schofield. 2,249,941; July 15.
Roller bit. J. T. Phipps. 2,249,578; July 15.
Roof and sidewall connection for railway or other vehicles. W. B. Dean. 2,249,703; July 15.
Roofing and the like. R. A. Wilkins. 2,249,698; July 15.
Rotary fluid pump. A. M. Stenger. 2,249,059; July 15.
Rotary kiln. L. J. Mueller. 2,249,087; July 15.
Rug making tool. H. E. Stanton. 2,249,093; July 15.
Runway and brooder, Combination. C. J. Lawless. 2,249,295; July 15.
Safety device for unloading plows for extractors. O. W. Johnson. 2,249,210; July 15.
Safety hook device for railway vehicle trucks. R. J. Finch. 2,249,467; July 15.
Sapphire grinding means. F. L. Capps. 2,248,955; July 15.
Scaffold. T. B. Kemmer. 2,249,658; July 15.
Scale, Weighing. M. A. Weckerly. 2,249,368; July 15.
Scale, Weighing. L. S. Williams. 2,249,369; July 15.
Scales, Weighing. J. D. Frye. 2,249,124; July 15.
Scalp treating device. L. Kraft. 2,249,145; July 15.
Screening device for bag filling machines. J. J. Neuman. 2,249,715; July 15.
Screw driver sharpener and shaper. F. Kobos. 2,249,084; July 15.
Scum skimmer. W. W. Sayers, M. B. Tark, and H. F. Watson. 2,249,049; July 15.
Seal construction. R. Stevenson. 2,249,188; July 15.
Seal, Fluid. L. A. Johnson. 2,249,141; July 15.
Seam-reducing machine. J. R. Oliver. 2,249,034; July 15.
Seat: *See*—
Toilet seat.
Seat unit. C. H. Oermann. 2,249,539; July 15.
Selector mechanism for automatic phonographs. O. A. Hokanson, S. and T. M. Wright. 2,249,246; July 15.
Sewing machine. N. V. Christensen. 2,249,284; July 15.
Sewing machine. F. Lutz. 2,249,615; July 15.
Shade guide holder. S. Myerson. 2,249,634; July 15.
Shaft supporting and lubricating arrangement. J. W. Teker. 2,249,501; July 15.
Sharp freezing mold. R. M. Storer. 2,249,261; July 15.
Sharpener, Knife. A. E. and M. L. Meade. 2,249,218; July 15.
Shear. N. R. Carroll. 2,249,515; July 15.
Sheet metal construction. S. A. Snell and P. R. Oster. 2,249,055; July 15.
Shift mechanism, Transmission. J. Rawley and D. P. Croisant. 2,249,173; July 15.
Shingle and siding edge protector. F. E. Gabriel. 2,249,125; July 15.
Shock absorber. P. Kollsman. 2,249,530; July 15.
Shoe and process of making the same. W. M. Schlear. 2,249,092; July 15.
Shoe upper conforming machine. H. Lane. 2,249,011; July 15.
Shoes, Making stitchdown. T. S. Newcomb. 2,249,635; July 15.
Shoeshine stand. O. Jones. 2,249,247; July 15.
Shutter. C. W. Crumrine. 2,249,517; July 15.
Signal control device, Vehicle. J. F. Day. 2,249,375; July 15.
Signal operating means, Direction. H. C. Doane and A. G. Vosburgh. 2,249,120; July 15.
Signal pistol. A. Hummel. 2,248,997; July 15.
Signaling apparatus. C. West. 2,249,549; July 15.
Signaling device for use with tanks, Audible. F. P. Scully and A. E. Mathey. 2,249,180; July 15.
Silver catalysts, Production of. G. H. Visser. 2,249,367; July 15.
Silver iodide composition and the product, Preparing colloidal. M. G. Minaeff, J. P. Greze, and R. J. Priepke. 2,249,023; July 15.
Size reduction, Method and apparatus for. C. F. Osgood. 2,249,364; July 15.
Ski waxer. J. H. Bryan. 2,249,600; July 15.
Skin cleaning device. G. B. Shirley and G. T. Strickel. 2,249,500; July 15.
Slicing machine. K. W. Kuban. 2,249,213; July 15.
Slide loop. C. E. Anderson and G. H. Elwell. 2,248,918; July 15.
Sliding door lock. G. B. Kurtzon. 2,249,214; July 15.
Smoking pipe. J. Lang. 2,249,571; July 15.
Snow vehicle. C. Davis. 2,249,374; July 15.
Soap, Delignification of black liquor. K. N. Francisco. 2,248,978; July 15.
Solar power apparatus. E. T. Turner. 2,249,642; July 15.
Sound recording system, Stereophonic. R. T. Friebus. 2,249,606; July 15.
Souvenir novelty. J. Reuter. 2,249,495; July 15.
Spark control. R. Hufford. 2,248,996; July 15.
Speed indicating and controlling device. P. H. Kolb. 2,249,389; July 15.

Speed transmission, Variable. H. A. Bowers. 2,248,948; July 15.
Sphygmomanometer. E. C. McGehee. 2,249,320; July 15.
Spindle. F. E. Kelley. 2,249,387; July 15.
Split bearing. M. R. Hanna. 2,249,472; July 15.
Spooling device, Cable. R. L. Crandall. 2,249,117; July 15.
Spraying apparatus. P. J. Timberlake. 2,249,191; July 15.
Spring motor. W. S. Sussman. 2,249,441; July 15.
Spring structure. O. A. Smith. 2,249,233; July 15.
Sprinkler, Automatic. O. G. Johnson. 2,249,211; July 15.
Stabilizer, Necktie. J. W. Benson. 2,248,939; July 15.
Stabilizing device. N. M. Stefano. 2,249,402; July 15.
Stabilizing high speed rotors. P. Kapitza. 2,249,292; July 15.
Stacker and buck rake, Combined. L. B. Gardner. 2,249,557; July 15.
Stand: *See*—
Clothes stand. Shoeshine stand.
Reservoir desk stand.
Staple fiber, Production of. E. A. Morton, H. Ashton, and W. Hardacre. 2,249,664; July 15.
Starter switch. J. T. W. Moseley and G. R. Ericson. 2,249,221; July 15.
Static reducing device. D. G. McCaa. 2,249,534; July 15.
Steam heating system and control means therefor. E. S. Cornell, Jr. 2,249,346; July 15.
Steel, Copper clad. T. B. Chace. 2,249,417; July 15.
Sterilizer, electric. J. P. Jackson and R. C. Johnson. 2,249,473; July 15.
Stop means for rotary inductances. E. A. Leach. 2,249,479; July 15.
Stop mechanism, Wringer roll. N. L. Etten. 2,249,464; July 15.
Storage receptacle. I. Blechman. 2,249,344; July 15.
Strainer. W. K. McFarlin. 2,249,020; July 15.
String feed mechanism. D. J. Duncan and R. D. Prophet. 2,249,377; July 15.
Stuffing box gland. H. J. Basham. 2,249,679; July 15.
Sulphur chloride with olefins and processes for producing the same, Reaction products of. R. H. Kimball. 2,249,312; July 15.
Sulphur dioxide, Concentration of. N. Titlestad. 2,249,193; July 15.
Sulphuric acid concentration. N. Titlestad and L. N. Allen, Jr. 2,249,192; July 15.
Support: *See*—
Electrical fixture support. Highway barrier support.
Locomotive cab support.
Feed tube support.
Suture package. C. F. Horine. 2,249,289; July 15.
Switch: *See* —
Cutoff electric switch. Fluid operated switch.
Electric switch. Starter switch.
Switch construction, Multiple push button. R. S. Edwards. 2,249,122; July 15.
Switch for electric circuit. J. L. Getaz. 2,249,355; July 15.
Synchronizing and background control for television receivers. H. M. Lewis. 2,249,532; July 15.
System for determining navigatory positions. J. Goldmann. 2,248,984; July 15.
Table: *See*—
Over-bed table.
Table construction for paper drills. H. C. Nygren. 2,249,222; July 15.
Table for automobiles. J. A. Gearhart and W. M. Gearhart, Sr. 2,249,287; July 15.
Tagging machine. C. A. Schwerin and E. H. Albertson. 2,249,580; July 15.
Tank closure. W. Samans. 2,249,497; July 15.
Telephone ringing system. K. L. Maurer. 2,249,154; July 15.
Telephone system. T. F. Crocker. 2,249,459; July 15.
Telephone system. T. F. Crocker. 2,249,516; July 15.
Telephone system. F. A. Hubbard. 2,248,995; July 15.
Telephone system. F. Kessler. 2,249,475; July 15.
Telephone system. J. L. Merrill, Jr. 2,249,156; July 15.
Telephone system. I. Molnar. 2,249,486; July 15.
Telephone system. P. W. Wadsworth. 2,249,067; July 15.
Telephone system. J. Wicks. 2,249,449; July 15.
Teletypewriter switching system. F. S. Kinkead. 2,249,429; July 15.
Television receiver including black-level control. H. M. Lewis. 2,249,533; July 15.
Temperature control system. G. I. Holmes. 2,248,924; July 15.
Temperature control system. F. E. Lange. 2,249,215; July 15.
Temperature control system. H. T. Olson. 2,249,223; July 15.
Tension and take-up device. J. Fradenburgh and W. D. Kellogg. 2,249,422; July 15.
Terminal. G. H. Hamm and C. A. Jagger. 2,249,471; July 15.
Terminal, Electric. C. A. Jagger and G. H. Hamm. 2,249,474; July 15.
Test device for detachable electrical instruments. D. A. Young and C. Oman. 2,249,075; July 15.
Testing apparatus. D. Mitchell. 2,249,323; July 15.
Testing apparatus, Fatigue. E. A. Fielding. 2,249,649; July 15.
Testing device. W. B. Martin. 2,249,153; July 15.
Tetrachlorethylene, Manufacture of. J. Wimmer and M. Mugdan. 2,249,512; July 15.
Therapeutic chair for hemorrhoids. L. P. Ratti. 2,249,298; July 15.
Thermostat. H. M. Strobel. 2,249,582; July 15.
Thermostat, Room. B. E. Shaw. 2,249,259; July 15.
Thermostat valve mechanism, By-pass. L. M. Payne. 2,249,576; July 15.
Thread gauge, Internal. S. G. Johnson; 2,249,611; July 15.
Thread or the like, Manipulating. W. F. Knebusch. 2,249,711; July 15.
Threadless interlocking coupling. A. E. Nielsen. 2,249,162; July 15.
Threads and apparatus therefor, Sizing. E. N. Hall. 2,248,988; July 15.
Ticket cutting machine. J. J. O'Brien and J. Strad. 2,249,575; July 15.
Ticket issuing machine. R. H. Damon. 2,249,347; July 15.
Ticket registering machine. J. Rose. 2,249,044; July 15.
Timing device. C. A. Nickle. 2,249,488; July 15.
Tire chain, Removable. G. W. Oakes. 2,249,665; July 15.
Tire deflation and inflation indicator. E. C. Jones and T. B. Seay. 2,249,426; July 15.
Tire pressure indicator. G. F. Hutchings. 2,249,207; July 15.
Tire protector. T. R. Elliott. 2,249,695; July 15.
Toilet seat. I. C. McQuaid. 2,249,322; July 15.
Tool: *See*—
Fishing tool. Rug making tool.
Generator brush releasing tool.
Tooth and gum exerciser. J. H. Morris. 2,249,721; July 15.
Toy. B. M. Sidle. 2,249,670; July 15.
Toy. R. Turner. 2,249,335; July 15.
Toy construction block, Interlocking. R. H. Stone. 2,249,060; July 15.
Traction device. W. Hill. 2,249,138; July 15.
Traffic controlling apparatus, Railway. J. J. Vanhorn. 2,249,097; July 15.
Traffic signal controller. V. W. Leonard. 2,249,481; July 15.
Traffic signalling system. C. E. Lomax. 2,249,217; July 15.
Transducer, Electroacoustic. L. A. Morrison. 2,249,158; July 15.
Transformer casing. M. Unger. 2,249,445; July 15.
Transmission circuit. L. A. Thompson. 2,249,502; July 15.
Transmitting and receiving system. J. I. Bellamy, M. L. Nelson, and H. F. Obergfell. 2,248,937; July 15.
Trap: *See*—
Game trap. Roach trap.
Trigger mechanism. J. B. Smith. 2,249,231–2; July 15.
Tube: *See*—
Electric discharge tube. Electron tube.
Tube and making the same. A. M. Goldstein and H. Schoen. 2,249,468; July 15.
Tube displacer. R. H. Tilghman and E. G. Bailey. 2,249,587; July 15.
Tube welding. J. L. Anderson. 2,249,592; July 15.
Tubular binder, Self-locking. R. Tauber. 2,249,064; July 15.
Unloading and loading system. L. Collis. 2,248,960; July 15.
Unloading device, Truck trailer. C. I. Crow. 2,249,683; July 15.
Ureas, Preparation of monosubstituted. J. K. Simons. 2,249,183; July 15.
Utensil, Cooking. J. Casali. 2,248,957; July 15.
Vacuum distillation. K. C. D. Hickman. 2,249,526; July 15.
Vacuum flasher, Switch-controlled. P. Welen. 2,249,448; July 15.
Vaginal diaphragm. W. V. Lay. 2,249,316; July 15.
Valve: *See*—
Compressor valve. Relief valve.
Control valve.
Valve. L. N. Robinson. 2,249,042; July 15.
Valve. J. M. Wood. 2,249,643; July 15.
Valve for cookers, Feed. A. R. Thompson. 2,249,235; July 15.
Valve mechanism for engines. W. Kasten. 2,249,427; July 15.
Valve structure. B. E. Shaw. 2,249,258; July 15.
Vault, Burial. V. L. Harris. 2,249,654; July 15.
Vegetable phosphatides, Preparation of. P. L. Julian and A. G. Engstrom. 2,249,002; July 15.
Vehicle: *See*—
Snow vehicle.
Vehicle. W. H. Edwards. 2,249,351; July 15.
Vehicle body suspension means. J. Kolbe. 2,249,212; July 15.
Vehicle brake. W. Thompson. 2,249,405; July 15.
Vehicle lighting fixture. H. J. Graham. 2,249,357; July 15.
Vending machine. W. A. Tratsch. 2,249,236; July 15.

Vending machine compartment means. J. W. Srodulski. 2,249,234; July 15.
Vernier device. R. N. Hayes. 2,249,655; July 15.
Volt amperes, Measurement of. T. A. Rich. 2,249,496; July 15.
Voltage regulating system. E. Dozler. 2,249,462; July 15.
Wallet and making same, Bill. N. H. Swanson. 2,249,062; July 15.
Washing machine. J. R. Kirby. 2,249,562; July 15.
Water pressure governor. O. J. Kuenhold, Sr. 2,249,010; July 15.
Wave filter. H. W. Bode. 2,249,415; July 15.
Wave filter. R. A. Sykes. 2,249,440; July 15.
Weather strip. C. A. Hanington. 2,249,424; July 15.
Web-joining mechanism. A. T. Robertson. 2,249,669; July 15.
Web manipulating apparatus. P. Cook. 2,248,962; July 15.
Welding noncorrosive metal member. J. B. Orr, Jr. 2,249,723; July 15.
Welding timer. H. Adler. 2,248,929; July 15.
Welding tip. H. V. Inskeep. 2,249,361; July 15.
Wheel. E. L. Rietz. 2,249,637–8; July 15.
Wheel aligning device. A. P. Peters. 2,249,226; July 15.
Windshield. G. T. Balfe. 2,249,547; July 15.
Winding frame, Quick traverse. J. Küppers. 2,249,147; July 15.
Winding machine. H. W. Hitchcock. 2,249,384; July 15.
Window. H. C. Haslam. 2,249,132; July 15.
Window. C. W. Kelly. 2,249,248; July 15.
Window. C. G. Stucki. 2,249,641; July 15.
Window cleaning device. M. Illman. 2,249,360; July 15.
Wood pulp of high solution viscosity and purity, Producing white. G. A. Richter. 2,249,174; July 15.
Work locating mechanism for machine tools. R. A. Schafer. 2,249,230; July 15.
Wrench: *See*—
Pipe wrench.
Wrist watch protector. L. C. Williams. 2,249,550; July 15.
Yarn conditioning process and compositions therefor. J. B. Dickey and J. G. McNally. 2,249,519; July 15.
Yarns and fabrics. H. Platt. 2,249,039; July 15.

CLASSIFICATION OF PATENTS

ISSUED JULY 15, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2— 8: 2,249,239
14: 2,249,105
37: 2,249,668
42: 2,249,296
224: 2,249,198
3— 2: 2,249,365
4— 163: 2,249,436
177: 2,249,107
239: 2,249,322
5— 37: 2,249,266
333: 2,249,539
7— 14.1: 2,249,378
8— 59: 2,249,607
63: 2,249,069
105: 2,249,646
142.5: 2,249,519
10— 73: 2,249,113
106: 2,249,395
139: 2,249,196
12— 1: 2,249,635
2: 2,249,011
7: 2,249,647
142: 2,249,092
15— 158: 2,249,463
220: 2,249,360
247: 2,249,559
265: 2,249,247
16— 166: 2,248,972
176: 2,249,329
18— 3.5: 2,249,401
5: 2,249,004
8: 2,249,710
15: 2,249,507
18: 2,249,249
47: 2,249,694
54: 2,249,711
58: 2,248,934
59: 2,249,085
2,249,510
19— 1: 2,249,083
135: 2,249,408
20— 5: 2,249,027
2,249,028
35: 2,249,591
52: 2,249,132
69: 2,249,424
91: 2,249,590
22— 85: 2,248,941
23— 2: 2,248,994
127: 2,249,330
143: 2,248,943
180: 2,249,193
288: 2,248,993
307: 2,249,192
24— 56: 2,248,939
188: 2,248,918
194: 2,249,409
27— 19: 2,249,283
26: 2,249,126
32: 2,249,687
28— 1: 2,249,039
29— 6: 2,249,242
27: 2,249,146
57: 2,249,121
62: 2,249,561
66: 2,249,325
90: 2,249,677
2,249,678
97: 2,248,931
156: 2,248,969
30— 2: 2,249,195
16: 2,249,631
133: 2,249,293
226: 2,249,515
302: 2,249,399
324: 2,249,551
31— 13: 2,248,980
32— 26: 2,249,058
71: 2,249,634
33— 46: 2,249,226
74: 2,249,707
174: 2,248,973
178: 2,249,477
184.5: 2,249,245
185: 2,249,140
199: 2,249,611
200: 2,248,967
204: 2,249,373
226: 2,249,345
34— 2: 2,249,563
27: 2,249,624
46: 2,249,625
36— 72: 2,249,553
37— 126: 2,249,356
135: 2,249,070
38— 66: 2,249,363
104: 2,249,110
40— 126: 2,249,495
154: 2,249,663
42— 1: 2,248,970
2,248,997
69: 2,249,231
2,249,232
43— 4: 2,249,327
49: 2,249,382
84: 2,249,332
116: 2,249,718
121: 2,249,601
44— 9: 2,249,602
46— 25: 2,249,060
45: 2,249,454
128: 2,249,670
162: 2,249,335
169: 2,249,636
47— 55: 2,249,567
58: 2,249,197
49— 5: 2,249,709
54: 2,249,714
55: 2,249,371
50— 23: 2,249,010
51— 73: 2,249,388
95: 2,249,699
103: 2,248,955
105: 2,249,065
128: 2,248,953
185: Re.21,852
214: 2,249,218
298: 2,249,278
2,249,279
308: 2,248,990
55— 51: 2,249,394
56— 25: 2,249,633
57— 1: 2,248,962
59: 2,249,404
58— 105: 2,249,550
59— 35: 2,249,720
79: 2,249,086
93: 2,249,238
60— 54.5: 2,249,227
61— 12: 2,249,130
18: 2,249,586
62— 1: 2,249,466
17: 2,248,944
2,248,945
2,248,946
2,249,102
108.5: 2,249,261
115: 2,249,074
133: 2,248,983
135: 2,249,621
170: 2,249,622
66— 95: 2,249,080
149: 2,249,422
190: 2,249,081
193: 2,249,650
195: 2,249,342
68— 54: 2,249,562
205: 2,249,712
68— 253: 2,249,464
69— 7: 2,249,034
70— 100: 2,249,214
149: 2,249,018
72— 7: 2,249,654
31: 2,249,073
101: 2,249,204
73— 30: 2,249,573
51: 2,249,649
185: 2,249,096
74— 110: 2,249,397
230.17: 2,248,948
231: 2,249,514
293: 2,248,942
484: 2,249,173
2,249,176
568: 2,249,656
573: 2,249,292
592: 2,248,919
75— 26: 2,249,410
121: 2,249,341
127: 2,249,336
76— 87: 2,249,084
77— 3: 2,248,998
2,249,230
63: 2,249,222
75.5: 2,249,437
81— 3: 2,249,396
49: 2,249,661
165: 2,249,290
82— 2: 2,249,148
9: 2,249,241
2,249,243
40: 2,249,240
83— 8: 2,249,648
9: 2,249,364
46: 2,248,927
84— 478: 2,249,391
88— 16.4: 2,249,032
18.6: 2,249,167
23: 2,249,483
24: 2,249,033
2,249,061
2,249,228
2,249,229
89— 44: 2,249,310
90— 1.6: 2,249,251
2,249,252
91— 12: 2,249,200
33: 2,249,088
2,249,089
45: 2,249,205
51: 2,249,024
2,249,182
62.6: 2,249,163
68: 2,249,118
2,249,528
73: 2,249,007
92— 11: 2,249,174
36: 2,249,392
39: 2,249,179
43: 2,249,128
93— 8: 2,249,451
2,249,470
39: 2,249,431
2,249,432
53: 2,249,201
94: 2,249,468
94— 48: 2,249,264
95— 2: 2,249,542
6: 2,249,541
44: 2,249,589
59: 2,249,517
63: 2,249,540
97— 50: 2,249,640
56: 2,249,637
2,249,638
189: Re.21,855
244: 2,249,630
98— 88: 2,249,641
108: 2,249,308
99— 35: 2,249,262
180: 2,248,963
100— 70: 2,249,149
101— 110: 2,249,627
132: 2,249,313
220: 2,248,926
351: 2,248,974
426: 2,249,419
103— 121: 2,249,059
203: 2,249,326
234: 2,248,949
104— 30: 2,248,960
105— 35: 2,249,628
155: 2,249,531
200: 2,249,467
397: 2,249,703
456: 2,249,617
106— 14: 2,248,961
35: 2,248,999
154: 2,249,003
176: 2,249,518
278: 2,249,412
289: 2,249,314
107— 1: 2,249,311
9: 2,249,307
15: 2,249,667
47: 2,248,957
57: 2,249,152
108— 13: 2,249,106
2,249,698
26: 2,249,125
111— 35: 2,248,922
51: 2,249,376
112— 2: 2,249,377
9: 2,249,093
155: 2,249,423
162: 2,249,615
197: 2,249,284
113— 112: 2,249,592
2,249,723
114— 208: 2,249,546
115— 24: 2,248,930
116— 119: 2,249,053
133: 2,249,655
160: 2,249,549
119— 19: 2,249,295
120— 59: 2,249,616
121— 5: 2,249,639
9: 2,249,716
45: 2,249,343
46.5: 2,249,508
122— 11: 2,249,301
392: 2,248,947
501: 2,249,587
123— 1: 2,248,989
69: 2,249,354
75: 2,249,427
108: 2,249,439
117: 2,249,446
119: 2,249,209
171: 2,249,319
179: 2,249,393
190: 2,249,143
196: 2,249,165
126— 271: 2,249,642
272: 2,249,235
350: 2,249,090
128— 2.05: 2,249,320
2,249,370
21: 2,249,298
24.1: 2,249,500
62: 2,249,721
127: 2,249,316
299: 2,249,579
396: 2,249,610
129— 1: 2,249,064
15: 2,249,265
129— 16: 2,249,548
19: 2,249,652
131— 181: 2,249,571
132— 17: 2,249,267
33: 2,249,300
40: 2,249,315
59: 2,249,145
133— 11: 2,249,005
136— 6: 2,249,030
137— 53: 2,249,206
68: 2,249,719
78: 2,249,077
2,249,339
79: 2,249,180
111: 2,248,950
2,248,951
139: 2,249,623
153: 2,248,996
156: 2,249,258
139— 66: Re.21,858
93: 2,249,390
191: 2,249,407
247: 2,249,406
141— 1: 2,249,521
7: 2,249,614
146— 88: 2,249,213
174: 2,249,688
148— 8: 2,249,383
11.5: 2,249,349
2,249,353
16: 2,249,556
30: 2,249,581
31: 2,249,417
2,249,629
150— 38: 2,249,062
2,249,558
152— 213: 2,249,665
239: 2,249,695
405: 2,249,568
406: 2,248,952
153— 1: 2,249,580
154— 2: 2,249,091
2.6: 2,249,275
18: 2,249,612
51: 2,249,000
155— 23: 2,249,287
77: Re.21,857
179: 2,249,031
2,249,048
2,249,233
156— 15: 2,249,491
158— 1: 2,249,489
27.4: 2,249,338
2,249,361
33: 2,249,398
90: 2,248,991
118: 2,248,932
161— 9: 2,249,442
15: 2,249,072
164— 60: 2,249,664
68: 2,249,575
79: 2,249,651
166— 1: 2,249,511
12: 2,249,170
13: 2,249,155
2,249,171
2,249,172
167— 63: 2,249,523
171— 34: 2,249,496
95: 2,249,452
2,249,490
97: 2,249,099
118: 2,249,513
119: Re.21,854
225: 2,249,462
242: 2,249,479
327: 2,249,305
172— 36: 2,249,671
245: 2,249,420
172— 274: 2,249,447
289: 2,249,465
173— 324: 2,249,471
2,249,474
332: 2,249,618
2,249,619
174— 34: 2,249,509
83: 2,249,593
125: 2,249,280
2,249,458
175— 21: 2,249,057
182: 2,249,328
183: Re.21,853
2,248,982
2,249,068
2,249,075
2,249,157
2,249,166
320: 2,249,488
2,249,577
336: 2,249,104
176— 2: 2,249,605
124: 2,249,979
126: 2,249,094
2,249,672
177— 311: 2,249,323
311.5: 2,249,389
314: 2,249,560
337: 2,249,100
2,249,217
2,249,481
353: 2,248,937
2,249,029
380: 2,249,674
2,249,717
178— 5.2: 2,249,522
7.2: 2,248,986
7.5: 2,249,532
2,249,533
35: 2,249,040
44: 2,249,415
2,249,440
2,249,443
2,249,502
2,249,597
53.1: 2,248,923
69: 2,249,103
2,249,133
2,249,153
69.5: 2,249,435
71: 2,249,429
179— 1: 2,249,456
3: 2,248,935
18: 2,248,995
2,249,067
27: 2,249,362
2,249,449
2,249,459
2,249,475
2,249,486
2,249,516
42: 2,249,156
86: 2,249,154
100.3: 2,249,606
100.4: Re.21,856
107: 2,249,572
114: 2,249,158
2,249,161
120: 2,249,160
171: 2,249,181
175.1: 2,249,131
175.3: 2,249,164
180— 3: 2,249,374
54: 2,249,035
181— 0.5: 2,249,108
51: 2,249,271
183— 4: 2,248,956
32: 2,249,285
61: 2,249,013

184—	1: 2,248,940	200—	126: Re.21,859	221—	95: 2,249,594	250—	20: 2,249,425	260—	23: 2,248,966	274—	38: 2,249,713
	1.5: 2,249,303		139: 2,248,928		114: 2,248,958		2,249,534		2,249,115	277—	60: 2,249,042
185—	39: 2,249,441		2,249,259	223—	88: 2,249,288		27: 2,248,929		36: 2,249,545	279—	1: 2,249,169
188—	78: 2,249,139		144: 2,249,499		110: 2,249,253		2,248,968		83: 2,249,498	280—	5: 2,249,250
	152: 2,249,286		148: 2,249,444	225—	1: 2,249,299		2,248,975		97.5: 2,248,978		41: 2,249,123
	2,249,291		159: 2,249,001	228—	63: 2,249,304		2,249,066		139: 2,249,312		51: 2,249,019
	2,249,405		166: 2,249,136	229—	7: 2,249,052		2,249,552		145: 2,249,045		104: 2,249,402
	196: 2,249,220		2,249,599		15: 2,249,657		27.5: 2,248,987		166: 2,249,334		106.5: 2,248,921
	234: 2,249,428	202—	52: 2,249,524		51: 2,249,244		2,249,098		209: 2,249,544		124: 2,249,212
	259: 2,249,282		2,249,526		92.1: 2,249,260		2,249,485		218: 2,249,175		153: 2,249,421
189—	34: 2,249,203		215: 2,249,009	230—	101: 2,249,450		2,249,598		232: 2,249,673		289: 2,248,971
	46: 2,249,520		251: 2,249,056	233—	23: 2,249,653		2,249,604		239: 2,249,177	285—	96.3: 2,249,188
	62: 2,249,386	204—	30: 2,248,988	234—	67: 2,249,324		33: 2,249,129		333: 2,249,054		106: 2,249,469
	67: 2,249,248		213: 2,249,609	235—	2: 2,249,224		2,249,416		397.3: 2,248,954		111: 2,249,445
	75: 2,249,257	206—	29: 2,249,168		92: 2,249,044		36: 2,249,494		403: 2,249,002	286—	21: 2,249,679
192—	18: 2,249,187		41.2: 2,249,632	236—	14: 2,249,008		2,249,503		406: 2,248,964	287—	78: 2,249,492
	68: 2,249,043		44: 2,249,430		34: 2,249,576		49.5: 2,249,453		407: 2,248,965		111: 2,249,162
	107: 2,249,281		46: 2,249,270		45: 2,249,682		51: 2,249,473		410: 2,249,525	288—	3: 2,249,141
	130: 2,249,246		63.3: 2,249,289		68: 2,248,924		65: 2,248,976		425: 2,249,700		26: 2,249,127
194—	10: 2,249,236	209—	166: 2,249,569		2,249,215		150: 2,248,977		2,249,701	292—	1: 2,249,294
	78: 2,249,350		2,249,570		2,249,223		2,249,025		2,249,702		123: 2,249,644
	100: 2,249,225		284: 2,249,109		92: 2,249,101		2,249,041		451: 2,249,708		210: 2,249,438
196—	10: 2,249,583		358: 2,249,715	237—	2: 2,249,554		172: 2,248,985		464: 2,249,135		357: 2,249,272
	2,249,584	210—	3: 2,249,049		9: 2,249,346		175: 2,249,016		482: 2,249,134	294—	19: 2,249,254
	31: 2,249,276		51.5: 2,249,487		2,249,706	251—	119: 2,249,480		505: 2,249,317		27: 2,249,144
	2,249,277		69: 2,249,306	240—	7.35: 2,249,357	252—	48: 2,249,626		541: 2,249,380		86: 2,249,119
	48: 2,249,595		70: 2,249,210		10.65: 2,249,692		51: 2,248,925		547: 2,249,527		96: 2,249,585
	49: 2,249,705		112: 2,249,681		10.66: 2,249,691		2,249,333		2,249,543	296—	19: 2,249,351
	50: 2,249,337		131: 2,249,971		10.68: 2,249,689		2,249,564		553: 2,249,183		44: 2,249,273
	2,249,461		138: 2,248,992		2,249,690		52: 2,249,340		574: 2,249,352		84: 2,249,547
	52: 2,249,613		170: 2,249,020		78: 2,249,318		235: 2,249,367		586: 2,249,565	297—	15: 2,249,582
	116: 2,249,697		195: 2,249,063	242—	4: 2,249,506		313: 2,249,023		613: 2,249,111	299—	49: 2,249,211
198—	26: 2,249,529	211—	134: 2,249,142		43: 2,249,147		316: 2,249,536		654: 2,249,512		88: 2,249,191
	37: 2,249,372		171: 2,249,348		2,249,384		2,249,537		666: 2,249,112		2,249,359
	134: 2,249,666	213—	166: 2,249,184		46.2: 2,249,387		2,249,538		676: 2,249,366		2,249,478
	204: 2,249,588	214—	1.1: 2,249,659		46.6: 2,249,150		371: 2,249,675	261—	11: 2,249,202		140: 2,249,434
200—	5: 2,249,122		41: 2,249,684		2,249,151		2,249,676		24: 2,249,159		2,249,482
	38: 2,249,237		44: 2,249,683		58: 2,249,669	254—	51: 2,249,078		83: 2,249,095		141: 2,249,274
	50: 2,249,602		91: 2,249,555		81: 2,249,379		111: 2,249,050	263—	32: 2,249,087	301—	47: 2,249,138
	56: 2,249,368		140: 2,249,557		84.5: 2,249,297		126: 2,249,603		47: 2,249,199	304—	2: 2,249,658
	2,249,369	215—	48: 2,249,022		99: 2,249,433		139: 2,248,936	265—	22: 2,249,309	308—	36.2: 2,249,643
	58: 2,249,207	217—	12: 2,249,268		102: 2,249,114		176: 2,249,185		24: 2,248,938		86: 2,249,596
	2,249,426		2,249,269		129: 2,249,047		190: 2,249,117		48: 2,249,124		132: 2,249,472
	59: 2,249,120	219—	8: 2,249,017		142: 2,249,680	255—	34: 2,249,358	266—	4: 2,249,219		187: 2,249,021
	2,249,137		2,249,457	244—	7: 2,249,026		71: 2,249,578		5: 2,249,411		2,249,501
	2,249,221		21: 2,249,600	246—	25: 2,249,097	256—	10: 2,249,696		23: 2,249,413	309—	4: 2,249,400
	2,249,375		25: 2,249,620		38: 2,249,722		64: 2,249,685	267—	8: 2,249,530		12: 2,249,704
	2,249,448		37: 2,249,476		63: 2,249,015		73: 2,249,046	271—	2.3: 2,249,347		29: 2,249,255
	81: 2,249,418		39: 2,248,959		130: 2,249,037	257—	3: 2,249,484		2.6: 2,249,190		43: 2,249,256
	82: 2,249,006	220—	6: 2,249,189	248—	5: 2,249,194		14: 2,249,051		13: 2,249,504	311—	39: 2,249,455
	83: 2,249,208		25: 2,249,381		42: 2,249,302		75: 2,249,660		2,249,505	312—	7: 2,249,693
	2,249,355		55: 2,249,497		151: 2,249,055		189: 2,249,036		52: 2,249,186		20: 2,249,116
	84: 2,249,321	221—	11: 2,249,574		240: 2,249,403		245: 2,248,933	272—	38: 2,249,076		42: 2,249,234
	85: 2,249,645		23: 2,248,981		343: 2,249,331	259—	6: 2,249,263	273—	35: 2,249,038		141: 2,249,344
	116: 2,249,178		34.5: 2,249,608	250—	11: 2,248,984	260—	2: 2,249,535		118: 2,249,566		191: 2,248,920
	120: 2,249,012		60: 2,249,385		2,249,414		3: 2,249,686		145: 2,249,079		
	121: 2,249,014		67: 2,249,082		16: 2,249,493		19: 2,249,460	274—	10: 2,249,216		

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,248,926:	101— 220	2,249,021:	308— 187	2,249,241:	82— 9	2,249,354:	123— 69	2,249,468:	93— 94	2,249,552:	250— 27
2,248,931:	29— 97	2,249,036:	257— 189	2,249,242:	29— 6	2,249,372:	198— 37	2,249,504:	271— 13	2,249,625:	34— 46
2,248,961:	106— 14	2,249,050:	254— 111	2,249,270:	206— 46	2,249,376:	111— 51	2,249,505:	271— 13	2,249,633:	56— 25
2,248,977:	250— 150	2,249,114:	242— 102	2,249,279:	51— 298	2,249,378:	7— 14.1	2,249,515:	30— 226	2,249,643:	308— 36.2
2,248,985:	250— 172	2,249,126:	27— 26	2,249,285:	183— 32	2,249,380:	260— 541	2,249,519:	8—142.5	2,249,644:	292— 123
2,248,990:	51— 308	2,249,131:	179—175.1	2,249,287:	155— 23	2,249,387:	242— 46.2	2,249,527:	260— 547	2,249,653:	233— 23
2,248,999:	106— 35	2,249,159:	261— 24	2,249,310:	89— 44	2,249,438:	292— 210	2,249,533:	178— 7.5	2,249,655:	116— 133
2,249,003:	106— 154	2,249,175:	260— 218	2,249,314:	106— 289	2,249,441:	185— 39	2,249,539:	5— 333	2,249,712:	68— 205
2,249,013:	183— 61	2,249,197:	47— 58	2,249,348:	211— 171	2,249,453:	250— 49.5	2,249,543:	260— 547		

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

All American Comics, Inc., New York, N. Y. Magazine. Serial No. 443,151; July 22. Class 38.

Altorfer Bros. Company, Peoria, Ill. Laundry washing machines. Serial No. 440,401; July 22. Class 24.

American and Continental Patented Products Inc., New York, N. Y. Necklaces and bracelets, finger rings, earrings, etc. Serial Nos. 443,472–3; July 22. Class 28.

American Motel Association, Inc., East Orange, N. J. Travel guides. Serial No. 443,550; July 22. Class 38.

Anderson, Clayton & Co., Houston, Tex. Fertilizers. Serial No. 441,301; July 22. Class 10.

Atlumor Manufacturing Co., Inc., Knoxville, Tenn. Tables. Serial No. 443,216; July 22. Class 32.

Babson Bros. Co., Chicago, Ill. Milking parlor stalls and stanchions and multiple stall milking parlor units. Serial No. 443,034; July 22. Class 13.

Bailey Meter Company, Cleveland, Ohio. Oxygen consuming preparation for use in fluid analyzing apparatus. Serial No. 439,989; July 22. Class 6.

Bailey, Philip W., doing business as West Coast Stained Shingle Company, Seattle, Wash. Wooden shingles. Serial No. 441,011; July 22. Class 12.

Bane, John B., doing business as Tom Thumb Tray Company, Los Angeles, Calif. Service trays. Serial No. 430,537; July 22. Class 2.

Bartmann & Bixer Inc., New York, N. Y. Window curtains. Serial Nos. 444,249–50; July 22. Class 42.

Belvidere Strap Co. Inc., New York, N. Y. Portfolios, handbags, pocketbooks, wallets, etc. Serial No. 443,551; July 22. Class 3.

Bernat, Emile, & Sons Co., Jamaica Plain, Mass. Yarns. Serial Nos. 442,825–6; July 22. Class 43.

Bonne Bell, Inc., Lakewood and Cleveland, Ohio. Astringent, skin lotion, foundation lotion, etc. Serial No. 443,354; July 22. Class 6.

Bradley, David, Manufacturing Works. (See Sears, Roebuck and Co.)

Brisacher, Emil, doing business as Brisacher, Davis & Staff, San Francisco, Calif. Periodical program skits for radio stations. Serial No. 443,746; July 22. Class 38.

Callaway Mills, Lagrange, Ga. Cotton textile towels. Serial No. 443,477; July 22. Class 42.

Canusa Corporation, Arlington, N. J. Chemical organic softening agent. Serial No. 432,927; July 22. Class 6.

Canusa Corporation, Arlington, N. J. Chemical organic rapid wetting agent. Serial No. 432,928; July 22. Class 6.

Canusa Corporation, Arlington, N. J. Chemical organic moth-proofing agent. Serial No. 432,929; July 22. Class 6.

Canusa Corporation, Arlington, N. J. Chemical organic detergent penetrant and wetting agent. Serial No. 432,930; July 22. Class 6.

Canusa Corporation, Arlington, N. J. Chemical organic repellent agent. Serial No. 432,931; July 22. Class 6.

Celanese Corporation of America, New York, N. Y. Artificial ribbons. Serial No. 443,154; July 22. Class 37.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 444,251–2; July 22. Class 42.

Certain-Teed Products Corporation, New York, N. Y. Sheets of felted fibrous material, roofing and shingles, etc. Serial No. 434,594; July 22. Class 12.

Certain-Teed Products Corporation, New York, N. Y. Sheets of felted fibrous material, roofing, and shingles, etc. Serial No. 434,968; July 22. Class 12.

Charleston Broom Manufacturing Company, The, Charleston, W. Va. Brooms and brooms in combination with a dust pan attachment. Serial No. 442,058; July 22. Class 29.

Charleston Milling Company, Charleston, W. Va. Wheat flour. Serial No. 442,516; July 22. Class 46.

Chicago Musical Instrument Company, Chicago, Ill. Musical instrument. Serial No. 442,781; July 22. Class 36.

Cochran, Jacqueline, Roselle, N. J. Cosmetics and beauty preparations. Serial No. 443,974; July 22. Class 6.

Columbia-Bedford Corporation, Long Island City, N. Y. Lubricating oil. Serial No. 443,320; July 22. Class 15.

Combustion Engineering Company, Inc., Wilmington, Del., and New York, N. Y. Gas water heaters. Serial No. 442,389; July 22. Class 34.

Comey, R. H., Company, Brooklyn, N. Y. Hat braids. Serial No. 442,352; July 22. Class 40.

Compo Shoe Machinery Corporation, Boston, Mass. Adhesive shoe cement. Serial No. 443,975; July 22. Class 5.

Comte, Marcel, Jacksonville, Ill. Corned beef and cabbage. Serial No. 442,862; July 22. Class 46.

Corkins Chemical Co., The, Cincinnati, Ohio. Insecticides and disinfectans. Serial No. 443,405; July 22. Class 6.

Cowan, Louis G. (See Quiz Kids, Inc., assignor.)

Crompton Company, West Warwick, R. I. Corduroy and pile fabrics in the piece. Serial No. 444,135; July 22. Class 42.

Crompton Company, West Warwick, R. I. Fabrics in the piece. Serial No. 444,176; July 22. Class 42.

Crown Fabrics Corporation, New York, N. Y. Cotton, spun rayon, and spun acetate fabrics, and mixtures thereof in the piece. Serial No. 444,072; July 22. Class 42.

Crowther, Herl L., doing business as Crowther Products, Los Angeles, Calif. Dentifrice. Serial No. 435,968; July 22. Class 6.

Darling Valve & Manufacturing Company, Williamsport, Pa. Fabric cups. Serial No. 444,074; July 22. Class 35.

Davis, A., & Sons, Inc., New York, N. Y. Textile fabrics in the piece of wool, mohair, and combinations thereof. Serial No. 444,075; July 22. Class 42.

Deep Rock Oil Corporation. (See Greis, H. N., trustee.)

Destruxol Corporation, Ltd., Pasadena, Calif. Chemical powder for control of certain pests. Serial No. 443,756; July 22. Class 6.

Deutsche Gold-Und Silber-Scheideanstalt, Frankfort-on-the-Main, Germany. Hardening materials. Serial No. 409,386; July 22. Class 6.

Devoe & Raynolds Company, Inc., New York, N. Y. Paint brushes. Serial No. 437,856; July 22. Class 29.

Dings Magnetic Separator Co., Milwaukee, Wis. Magnets, magnetic clutches, and magnetic separators. Serial No. 443,689; July 22. Class 21.

Drexel Furniture Company, Drexel, N. C. Furniture. Serial No. 441,159; July 22. Class 32.

Dyer, Dowis L., Tulsa, Okla. Writing paper. Serial No. 437,126; July 22. Class 37.

Edison General Electric Appliance Company, Inc., Chicago, Ill. Machines for cutting or grinding garbage or the like. Serial No. 442,315; July 22. Class 23.

Eisenstat, David, New York, N. Y. Fixture type splicing connector made of porcelain. Serial No. 441,861; July 22. Class 21.

Emery Industries, Inc., Cincinnati, Ohio. Candles. Serial No. 443,485; July 22. Class 15.

Fall River Curtain Co. Inc., Fall River, Mass., and New York, N. Y. Curtains and draperies. Serial Nos. 443,410–11; July 22. Class 42.

Faught, Louise M., Brooklyn, N. Y. Medicinal preparation for the treatment of diabetes, gastric irritations, burns, etc. Serial No. 443,501; July 22. Class 6.

Frederics, E., Inc., New York, N. Y. Solutions used in the permanent waving of hair. Serial No. 438,304; July 22. Class 6.

Frederics, E., Inc., New York, N. Y. Pads used in the permanent waving of hair. Serial No. 443,189; July 22. Class 44.

Frost Cooked Foods, Inc., Boston, Mass. Cooked food products. Serial No. 442,657; July 22. Class 46.

Furniture Sales Service Corporation, Chicago, Ill. Order blanks, data books, folders, etc. Serial No. 443,002; July 22. Class 37.

Gaines, M. Charles, New York, N. Y. Magazine publication. Serial No. 443,225; July 22; Class 38.

Gaines, M. Charles, New York, N. Y. Magazine publication. Serial No. 443,227; July 22. Class 38.

Galumbeck & Co., Asheville, N. C. Hosiery and sweaters for men, women, and children. Serial No. 444,120; July 22. Class 39.

Gero Products, Inc., South Boston, Mass. First aid treated gauze pads or strips. Serial No. 443,759; July 22. Class 44.

Gilmore Oil Corporation, Los Angeles, Calif. Petroleum products. Serial No. 443,840; July 22. Class 15.

Gimbel Brothers, Inc., New York, N. Y. Women's apparel. Serial No. 442,700; July 22. Class 39.

Granite Hosiery Mills, Inc., Souderton, Pa. Ladies' full fashioned hosiery. Serial Nos. 443,457–8; July 22. Class 39.

Greis, H. N., as trustee for Deep Rock Oil Corporation, Tulsa, Okla. Lubricating oil. Serial No. 441,961; July 22. Class 15.

Hagley, Olive L., doing business as Hagley Candy Company, Chicago, Ill. Candies. Serial No. 441,866; July 22. Class 46.

Hargreaves, Willis B., Portland, Oreg. Collapsible portable machine for photographing objects at a fixed focus, aperture, lighting, and timing. Serial No. 441,912; July 22. Class 26.

Hep, Inc. (See Reynolds, R. J., Jr., assignor.)

Hillcrest Laboratories. (See Masarsky, Isaac.)

Hi-Speed Tire and Accessory Company, Toledo, Ohio. Domestic service electrical devices. Serial No. 436,725; July 22. Class 21.

Hudepohl Brewing Company, The, Cincinnati, Ohio. Beer. Serial No. 443,162; July 22. Class 48.

Independent Lock Company, Fitchburg, Mass. Builder's hardware. Serial No. 437,682; July 22. Class 13.

Inland Container Corporation, Indianapolis, Ind. Comparatively rigid shipping container for bicycles sold in trade empty. Serial No. 443,416; July 22. Class 2.

Island Creek Coal Sales Company, Huntington, W. Va. Coal. Serial No. 442,662; July 22. Class 1.
Italian American Wine Co., Inc., New York, N. Y. Vermouth. Serial No. 443,569; July 22. Class 47.
Johns-Manville Corporation, New York, N. Y. Fireproof insulating materials. Serial No. 443,721; July 22. Class 12.
Kimberly-Clark Corporation, Neenah, Wis. Shoe counter material. Serial No. 441,705; July 22. Class 50.
Lady Esther Sales Co., Chicago, Ill. Face powder. Serial No. 443,510; July 22. Class 6.
Langendorf United Bakeries, Inc., San Francisco, Calif. Bread. Serial No. 424,325; July 22. Class 46.
Leblanc, Talbot H., Brooklyn, N. Y. Face powders. Serial No. 442,906; July 22. Class 6.
Lish, Samuel, New York, N. Y. Hats, berets, and tam-o-shanters. Serial No. 442,237; July 22. Class 39.
Little Countess Girls Coats Co., Inc., New York, N. Y. Coats, capes, skirts, etc. Serial No. 432,708; July 22. Class 39.
Livingston, Thomas O., doing business as Livingston Laboratories, Worcester, Mass. Photographic paper prints and enlargements. Serial No. 443,367; July 22. Class 38.
Longhorn Roofing Products, Inc., Dallas, Tex. Composition roofing materials. Serial No. 443,695; July 22. Class 12.
Lopez, Calixto, & Co., Jersey City, N. J. Cigars. Serial No. 440,912; July 22. Class 17.
Lord's Sportwear, Inc., New York, N. Y. Ladies' dresses of rayon, cotton, silk, and wool. Serial No. 444,049; July 22. Class 39.
Manning, John A., Paper Company, Inc., Troy, N. Y. Electrical insulating paper. Serial No. 442,792; July 22. Class 21.
Marlene Sportwear Co., Inc., New York, N. Y. Skirts. Serial No. 442,910; July 22. Class 39.
Masarsky, Isaac, doing business as Hillcrest Laboratories, Spring Valley, N. Y. Pharmaceutical preparations used for external skin irritations, psoriasis, eczema, etc. Serial No. 441,778; July 22. Class 6.
Mastrud, Conrad D., Oak Park, Ill. Electric motor-operated tooth brush apparatus. Serial No. 442,326; July 22. Class 21.
Melville, John, doing business as John Melville & Co., New York, N. Y. Statuettes. Serial No. 440,826; July 22. Class 50.
Mikina Manufacturing Company, Detroit, Mich. Scalp massaging and exercising apparatus. Serial No. 442,420; July 22. Class 44.
Morton Packing Company, Louisville, Ky. Canned food products. Serial No. 440,423; July 22. Class 46.
Munzenmaier Baking Co., Inc., Forest Hills, L. I., N. Y. Baker's bread. Serial No. 437,141; July 22. Class 46.
National Lead Company, New York, N. Y. Linseed meal. Serial No. 441,740; July 22. Class 46.
Nekoosa-Edwards Paper Company, Port Edwards, Wis. Duplicating paper. Serial No. 442,203; July 22. Class 37.
Neville Company, The, Neville Island, Pittsburgh, Pa. Coumarone-indene, or so-called coumarone or paracoumarone, resins, etc. Serial No. 431,126; July 22. Class 1.
New England Knitting Co., The, Winsted, Conn. Underwear and outerwear. Serial No. 443,131; July 22. Class 39.
New England Knitting Co., The, Winsted, Conn. Woven and knitted outerwear. Serial No. 443,204; July 22. Class 39.
New England Knitting Co., The, Winsted, Conn. Woven and knitted outerwear. Serial No. 443,338; July 22. Class 39.
Newton, Marion W., New York, N. Y. Bed coverings and table coverings. Serial No. 443,615; July 22. Class 42.
Ninol, Inc., Chicago, Ill. Interface modifying agents. Serial No. 432,730; July 22. Class 6.
North Dakota Mill and Elevator Association, doing business as State Mill & Elevator, Grand Forks, N. Dak. Wheat flour. Serial No. 428,324; July 22. Class 46.
Old Colony Knitting Mills, Inc., Hingham, Mass. Sweaters for children, misses, women, and men. Serial No. 443,463; July 22. Class 39.
Parent's Institute, Inc., The, New York, N. Y. Publication. Serial No. 443,543; July 22. Class 38.
Parent's Institute, Inc., The, New York, N. Y. Publication. Serial No. 443,856; July 22. Class 38.
Petrolite Corporation, Ltd., Webster Groves, Mo. Chemical agent for inhibiting, preventing, and removing deposits of asphalt, wax, and paraffin from oil wells. Serial No. 443,816; July 22. Class 6.
Pharis Tire and Rubber Company, The, Newark, Ohio. Rubber and rubber containing pneumatic tires and tubes. Serial No. 444,415; July 22. Class 35.
Phoenix Dress Co., Milwaukee, Wis. Dresses, coats, jackets, etc. Serial No. 442,888; July 22. Class 39.
Placentia Pioneer Valencia Growers Assn., Fullerton, Calif. Fresh citrus fruits. Serial No. 443,732; July 22. Class 46.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Coats, dresses, jackets, outer and under skirts, etc. Serial No. 443,373; July 22. Class 39.
Porcelain Enamel & Mfg. Co. of Baltimore, The, Baltimore, Md. Enamel frits, ceramic coloring oxides and opacifiers. Serial Nos. 442,721–3; July 22. Class 1.
Quiz Kids, Inc., assignor to Louis G. Cowan, Chicago, Ill. Question and answer games, card games, etc. Serial No. 436,905; July 22. Class 22.
Rapinwax Paper Company, Minneapolis, Minn. Bread wrappers. Serial No. 442,538; July 22. Class 37.
Raybestos-Manhattan, Inc., Passaic, N. J. Flax, jute asbestos, and rubber machinery packing, rubber and asbestos gaskets, etc. Serial No. 443,433; July 22. Class 35.
Red Head Brand Company, Chicago, Ill. Caps, coats, pants, etc. Serial No. 441,413; July 22. Class 39.
Research Products Corporation, Madison, Wis. Air filters. Serial No. 442,877; July 22. Class 34.
Resinous Products & Chemical Company, The, Philadelphia, Pa. Material for use in removing or replacing metallic or non-metallic ions or acid forming constituents from fluids. Serial No. 437,741; July 22. Class 6.
Reynolds, R. J., Jr., assignor to Hep, Inc., Atlanta, Ga. Non-alcoholic maltless beverage. Serial No. 442,638; July 22. Class 45.
Rohtert, E. J., doing business as U-Kan-Eat Food Co., Nashville, Tenn. Potato chips and peanut butter cheese cracker sandwiches. Serial No. 438,557; July 22. Class 46.
Rubyette Co. (See S and W Fine Foods, Inc.)
Russell, Lillian, Kew Gardens, L. I., N. Y. Costume jewelry not including watches, finger rings, bracelets, etc. Serial No. 431,100; July 22. Class 28.
S & B Lederer Co., Providence, R. I. Ornamental jewelry. Serial No. 443,420; July 22. Class 28.
S. and S. Leather Company, Colchester, Conn. Bill folds, key cases. Serial No. 442,878; July 22. Class 3.
S and W Fine Foods, Inc., doing business as The Rubyette Co., San Francisco, Calif. Canned baked beans and brown bread. Serial No. 443,016; July 22. Class 46.
San-Nap-Pak Mfg. Co., Inc., New York, N. Y. Cleansing tissue. Serial No. 443,136; July 22. Class 37.
Scalia's, Portland, Oreg. Sliced raw vegetable salads. Serial No. 440,735; July 22. Class 46.
Schleussner, Dr. C., doing business as Dr. C. Schleussner, Fotowerke G. m. b. H., Frankfort-on-the-Main, Germany. Chemical products for photographic purposes. Serial No. 435,859; July 22. Class 6.
Schneider, William, doing business as Vanity Blouse & Sportswear, New York, N. Y. Spun rayon fabrics in the piece. Serial No. 444,098; July 22. Class 42.
Sears, Roebuck and Co., doing business as David Bradley Manufacturing Works, Chicago, Ill. Corn planters. Serial No. 442,607; July 22. Class 23.
Seneca Textile Corporation, New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. Serial No. 444,202; July 22. Class 42.
Shlansky, Philip, & Bro., Inc., New York, N. Y. Pile fabric and cloth suits. Serial No. 438,745; July 22. Class 39.
Shutts, W. S., Kansas City, Mo. Hosiery. Serial No. 432,873; July 22. Class 39.
Siegel, A. L., Co., Inc., Newark, N. J. Transparent receptacles or parts of receptacles. Serial No. 439,839; July 22. Class 2.
Siegel, A. L., Co., Inc., Newark, N. J. Transparent receptacles or parts of receptacles. Serial No. 442,570; July 22. Class 2.
Slipco, Shelton, Conn. Women's slips. Serial No. 443,544; July 22. Class 39.
Southern Coal Company, Incorporated, Memphis, Tenn. Coal. Serial No. 443,058; July 22. Class 1.
Southern Liquor Distributors, Inc., Jacksonville, Fla. Wines. Serial No. 441,835; July 22. Class 47.
Sovereign Grand Lodge of the I. O. O. F., Baltimore, Md. Robes and regalia. Serial No. 440,564; July 22. Class 39.
Spalding Sales Corporation, Chicopee, Mass. Golf balls. Serial No. 443,958; July 22. Class 22.
Speidel Corporation, Providence, R. I. Bracelets and bracelet and jewelry chains generally. Serial No. 442,611; July 22. Class 28.
Squirt Company, The, Beverly Hills, Calif. Nonalcoholic grapefruit drink, bases, syrups, extracts for making same. Serial No. 444,103; July 22. Class 45.
Standard Knitting Mills, Inc., Knoxville, Tenn. Athletic shirts, shorts and knitted underwear for men, boys, women, and girls. Serial No. 444,550; July 22. Class 39.
Standard Rice Company, Inc., Houston, Tex. Rice. Serial No. 442,573; July 22. Class 46.
State Mill & Elevator. (See North Dakota Mill and Elevator Association.)
Stauffer Chemical Company, San Francisco, Calif. Insecticides. Serial No. 443,546; July 22. Class 6.
Steinberg, Kurt. (See Wallach, Paul.)
Stevens, Chas. A., & Co., Chicago, Ill. Children's clothing. Serial No. 440,182; July 22. Class 39.
Stok-A-Fire Company, Inc., University City, Mo. Dry refractory material. Serial Nos. 443,864–5; July 22. Class 12.

Stowe-Woodward, Inc., Newton and Newton Upper Falls, Mass. Bowling balls. Serial No. 443,896; July 22. Class 22.
Strathmore Co-Operative Association, Strathmore, Calif. Fresh citrus fruits. Serial No. 444,166; July 22. Class 46.
Sullivan, Ruby F., doing business as Mrs. Sullivan's Pie Shop, Jackson, Tenn. Pies. Serial No. 441,001; July 22. Class 46.
Superb Glove Co., The, Johnstown and New York, N. Y. Men's, women's and children's gloves. Serial No. 443,671; July 22. Class 39.
Thayer, McNeil Company, Boston, Mass. Boots and shoes. Serial No. 443,672; July 22. Class 39.
Thompson, James, & Co. Inc., New York, N. Y. Buckrams. Serial No. 444,290; July 22. Class 42.
Tilden, S. G., Inc., Brooklyn, N. Y. Adhesive binding material formed of asbestos sheets. Serial No. 441,418; July 22. Class 5.
Tom Thumb Tray Company. (See Bane, John B.)
Trans-Lux Ad-News Corporation, New York, N. Y. Electric display signs. Serial No. 442,055; July 22. Class 21.
Treesweet Products Co., Santa Ana, Calif. Canned citrus fruit juices. Serial No. 442,738; July 22. Class 46.
Treo Company, Inc., New York, N. Y. Girdles, corsets, brassières, etc. Serial No. 443,142; July 22. Class 39.
Twin Disc Clutch Company, Racine, Wis. Hydraulic torque converters and hydraulic couplings. Serial No. 433,110; July 22. Class 23.
U-Kan-Eat Food Co. (See Rohtert, E. J.)
Ulmann, Bernhard, Co. Inc., New York, N. Y. Knitting needs for hand use. Serial No. 443,025; July 22. Class 40.
Van Arsdale, M. G., Inc., New York, N. Y. Footwear. Serial No. 443,309; July 22. Class 39.
Vanity Blouse & Sportswear. (See Schneider, William.)
Vernat, Inc., New York, N. Y. Vermouths. Serial No. 443,587; July 22. Class 47.
Visonator, Inc., Chicago, Ill. Window sash and window frames. Serial No. 443,898; July 22. Class 12.
Vitamed Corporation, New York, N. Y. Pharmaceutical tablets consisting of vitamin B complex with iron. Serial No. 441,555; July 22. Class 6.
Wallach, Paul, and Kurt Steinberg, New York, N. Y. Neckties, scarfs, and handkerchiefs. Serial No. 442,810; July 22. Class 39.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Shoes. Serial No. 443,095; July 22. Class 39.
Webster Rubber Company, Warren, Ohio. Rubber or rubber-containing bands. Serial No. 444,025; July 22. Class 35.
Wells Lamont, Smith, Corporation, Chicago, Ill. Work gloves. Serial No. 439,641; July 22. Class 39.
Wembley, Inc., New Orleans, La. Neckties and scarfs. Serial No. 442,678; July 22. Class 39.
West Coast Stained Shingle Company. (See Bailey, Philip W.)
Western Auto Supply Company, Los Angeles, Calif. Vacuum cleaners and sewing machines. Serial No. 443,028; July 22. Class 23.
West Virginia Match Corp., Wheeling, W. Va. Toilet tissue, paper napkins, waxed paper, etc. Serial No. 442,509; July 22. Class 37.
Wimelbacher & Rice, New York, N. Y. Ladies' leather and fabric gloves. Serial Nos. 443,790–1; July 22. Class 39.
Wohl Shoe Company, St. Louis, Mo. Shoes. Serial No. 436,193; July 22. Class 39.
Young, L. A., Spring and Wire Corporation, Detroit, Mich. Spring inner mats for cushions, mattresses, and upholstered furniture. Serial No. 443,964; July 22. Class 32.
Z. & R. Merchandise Co., New York, N. Y. Underwear, slips, panties, etc. Serial No. 443,099; July 22. Class 39.
Zellerbach Paper Company, San Francisco, Calif. Waxed paper, facial tissues, paper towels, etc. Serial No. 442,584; July 22. Class 37.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, The, Chicago, to Abbott Laboratories, North Chicago, Ill. Anesthetic compound. 147,893; renewed Nov. 8, 1941.
Abbott Laboratories, North Chicago, Ill. Nasal inhalers. 388,983; July 22; Serial No. 436,458; published Dec. 24, 1940. Class 6.
Abbott Laboratories, North Chicago, Ill. Vitamin preparation. 389,109–10; July 22; Serial Nos. 442,087–8; published May 6, 1941. Class 6.
Acme Veneer Package Co., Inc., Orchard Park, N. Y. Boxes, crates, and baskets, and parts thereof. 388,963; July 22; Serial No. 424,982; published May 13, 1941. Class 2.
Aircraft & Diesel Equipment Corporation, Chicago, Ill. Diesel engine equipment. 389,089; July 22; Serial No. 441,691; published May 13, 1941. Class 23.
Althouse, Charles S., doing business as Althouse Chemical Company, Reading, Pa. Dyes and dyestuffs. 389,133; July 22. Class 6.
American Agricultural Chemical Company. (See Pocomoke Guano Co., assignor.)
American Mills Company of New York, New Haven, Conn., assignor to United Elastic Corporation, Easthampton, Mass. Wide elastic fabrics. 389,096; July 22; Serial No. 441,847; published May 13, 1941. Class 42.
American Tire Machinery Co., Los Angeles, Calif. Machinery for treating and retreading tires. 388,969; July 22; Serial No. 428,947; published May 13, 1941. Class 23.
Anderson Company, The, Gary, Ind. Skin cleanser and stain remover. 389,042; July 22; Serial No. 441,074; published May 13, 1941. Class 4.
Andis Clipper Company, Racine, Wis. Electric massaging apparatus. 389,124; July 22. Class 44.
Antoine de Paris, Inc., New York, N. Y. Lipsticks, lipstick refills, eau de cologne, etc. 389,035; July 22; Serial No. 440,975; published Apr. 29, 1941. Class 6.
Armour and Company of Delaware. (See Nelson Morris & Co.)
Armstrong Cork Company, Lancaster, Pa. Metal clips. 389,070; July 22; Serial No. 441,463; published May 13, 1941. Class 13.
Arnold, Hoffman & Co. Incorporated, Providence, R. I. Chemical products. 389,031; July 22; Serial No. 440,903; published Apr. 29, 1941. Class 6.
Atlas Putty Products Co., Chicago, Ill. Plastic sealing compound in the nature of a putty. 389,022; July 22; Serial No. 440,711; published May 13, 1941. Class 16.
Baker, H. J., & Bro., New York, N. Y. Fertilizer. 389,105; July 22; Serial No. 441,992; published May 13, 1941. Class 10.
Barnes-Ross Company, The, Indianapolis, Ind. Monthly publication. 147,543; renewed Oct. 25, 1941.
Baruch, Alphons, New York, N. Y. Spindles for holding yarn. 388,994; July 22; Serial No. 439,455; published Apr. 15, 1941. Class 40.
Bausch & Lomb Optical Company, Rochester, N. Y. Object carriers for perimeters. 389,088; July 22; Serial No. 441,661; published May 13, 1941. Class 26.
Bedford Drug & Chemical Company. (See Zekind, Charles.)
Bercut-Richards Packing Company, Sacramento, Calif. Canned fruits and vegetables. 388,958; July 22; Serial No. 407,123; published May 16, 1939. Class 46.
Bergren Co. Inc., The, Clearwater, Fla. Tung oil for external application for the alleviation of cuts, etc.; and tung tea. 388,970; July 22; Serial No. 430,479; published May 13, 1941. Class 6.
Bourjois, Inc., New York, N. Y. Perfume, toilet water, eau de cologne, etc. 389,047; July 22; Serial No. 441,123; published Apr. 29, 1941. Class 6.
Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill., to Brunswick Radio Corporation, New York, N. Y. Phonograph-records. 147,941; renewed Nov. 8, 1941.
Brunswick Radio Corporation. (See Brunswick-Balke-Collender Company, assignor.)
Capillis, Inc., Brooklyn, N. Y. Dandruff remover and scalp stimulant. 389,023; July 22; Serial No. 440,741; published Apr. 29, 1941. Class 6.
Carey, Philip, Manufacturing Company, The, Lockland, Ohio. Certain named waterproof and fireproof fabrics, table-mats, asbestos cloth and carpet linings. 143,429; renewed May 31, 1941.
Carolene Products Co., Litchfield, Ill. Compound of evaporated skimmed milk and vegetable oil for food purposes. 389,034; July 22; Serial No. 440,971; published May 13, 1941. Class 46.
Caron, William J., Uxbridge, Mass., to Caron, William J., North Uxbridge, Mass. Certain named medicinal preparations. 143,298; renewed May 31, 1941.
Carter Products, Inc., New York, N. Y. Lipsticks, face cream, and rouge. 389,116; July 22; Serial No. 442,304; published May 13, 1941. Class 6.
Cartier, Inc., New York, N. Y. Lead-pencils and magazine lead-pencils. 147,951; renewed Nov. 8, 1941.
Certain-Teed Products Corporation. (See Vulcanite Roofing Company, assignor.)
Charles, T., Inc. (See Hyman & Oppenheim.)
Charleston Milling Company, Charleston, W. Va. Wheat flour. 389,062–3; July 22; Serial Nos. 441,346–7; published May 13, 1941. Class 46.
Chicago Dietetic Supply House, Inc., The, Chicago, Ill. Medicinal preparations. 388,981; July 22; Serial No. 435,749; published Apr. 29, 1941. Class 6.
Clark-Cleveland, Incorporated, Binghamton, N. Y. Powder for cleaning dental plates. 389,090; July 22; Serial No. 441,696; published May 13, 1941. Class 4.
Cleveland Dental Manufacturing Company, Cleveland, Ohio. Dental instruments. 148,380; renewed Nov. 15, 1941.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 389,073; July 22; Serial No. 441,531; published May 13, 1941. Class 42.

Coleman & Bell Company, The, Norwood, Ohio. Liquid solvent. 389,002; July 22; Serial No. 440,042; published May 13, 1941. Class 4.

Collins, Clyde, Inc., doing business as King Cotton Laboratories, Memphis, Tenn. Brushless shaving cream. 389,050; July 22; Serial No. 441,157; published May 13, 1941. Class 4.

Comex Wine & Spirits Co., Inc., New York, N. Y. Wines. 389,071; July 22; Serial No. 441,500; published May 13, 1941. Class 47.

Commercial Solvents Corporation, New York, N. Y. Anti-freeze compositions. 389,040–1; July 22; Serial Nos. 441,048–9; published Apr. 29, 1941. Class 6.

Continental-Diamond Fibre Company. (See Fibroc Insulation Company, assignor.)

Curran Corporation, The, Malden, Mass. Decarbonizing and degumming liquid detergent or cleaning compound. 389,036; July 22; Serial No. 441,015; published May 6, 1941. Class 6.

Dare, Virginia, Extract Company, Inc., Brooklyn, N. Y. Fruit juice beverage. 389,043; July 22; Serial No. 441,086; published May 13, 1941. Class 45.

Delettrez, Inc., Long Island City, N. Y. Perfume. 389,098–9; July 22; Serial Nos. 441,950–1; published May 6, 1941. Class 6.

Delettrez, Inc., Long Island City, N. Y. Perfume. 389,100–1; July 22; Serial Nos. 441,953–4; published May 6, 1941. Class 6.

De Long Hook and Eye Company, The, Philadelphia, Pa. Snap-fasteners. 148,388; renewed Nov. 15, 1941.

De Nardo, Pete, & Sons, Midland, Pa. Preparation for use on the hair. 389,028; July 22; Serial No. 440,806; published May 13, 1941. Class 6.

Denney, Frances, Philadelphia, Pa. Toilet preparations. 389,001; July 22; Serial No. 439,927; published May 6, 1941. Class 6.

Diamond Braiding Mills Incorporated, Chicago Heights, Ill. Shoe laces. 389,064–5; July 22; Serial Nos. 441,351–2; published May 6, 1941. Class 40.

Dickinson, Albert, Company, The, Chicago, Ill. Timothy-seed. 20,028–30; re-renewed Aug. 18, 1941.

Di Lullo, Giovanni, Philadelphia, Pa. Spaghetti sauce. 388,996; July 22; Serial No. 439,589; published May 13, 1941. Class 46.

Dittlinger, H., Roller Mills Co., New Braunfels, Tex. Wheat flour. 389,029; July 22; Serial No. 440,807; published May 13, 1941. Class 46.

Dorow, Ray O., Wauwatosa, Wis. Book matches. 388,985; July 22; Serial No. 437,761; published May 13, 1941. Class 9.

Dow Chemical Company, The, Midland, Mich. Certain light-metal alloys and castings and forgings of same. 144,747; renewed July 19, 1941.

Dunn, Oliver R., Kent, Wash. Special preparation embodying a combination of meats and condiments. 388,974; July 22; Serial No. 432,513; published May 13, 1941. Class 46.

Duo-Haier Company. (See Emory, Martin F.)

Du Pingouin, Laines, Inc., New York, N. Y. Hand knitting yarns. 389,136; July 22. Class 43.

Easter Felt Company, Winchester, Mass. Felt polishing-wheels and felts therefor. 148,823; renewed Nov. 29, 1941.

Easterbrook, Allcard & Co. Limited, Sheffield, England. Certain metal-working tools, vises, saws, spanners, etc. 148,821; renewed Nov. 29, 1941.

Elars Products, Inc., Richmond, Va. Cod liver oil, hard elastic capsules of vitamins A, B, D, G, capsules of halibut liver oil, etc. 389,126; July 22. Class 6.

Emory, Martin F., doing business as The Duo-Haier Company, New York, N. Y. Nasal medicine for nasal administration. 389,017; July 22; Serial No. 440,678; published May 6, 1941. Class 6.

Estate Stove Company, The, Hamilton, Ohio. Gas heating apparatus. 145,092; renewed July 26, 1941.

Excelsior Baking Company, Minneapolis, Minn. Toast. 145,359; renewed Aug. 2, 1941.

Fauda, Carlo O., San Francisco, Calif. Certain named medicinal preparations. 148,831; renewed Nov. 29, 1941.

Federal Fluorescent Co. Inc., New York, N. Y. Substance for coating electric light tubes for providing fluorescent light. 389,119; July 22. Class 6.

Federal Glass Company, The, Columbus, Ohio. Glass tableware. 389,061; July 22; Serial No. 441,316; published May 13, 1941. Class 33.

Federated Foods, Inc., Chicago, Ill. Household cleanser. 388,964; July 22; Serial No. 425,465; published Nov. 5, 1940. Class 4.

Fibroc Insulation Company, Valparaiso, Ind., assignor to Continental-Diamond Fibre Company, Newark, Del. Electric insulating compounds. 148,649; renewed Nov. 22, 1941.

Filice and Perrelli Canning Company, Incorporated, Richmond, Calif. Canned fruits, canned vegetables, canned tomato sauce, etc. 388,977; July 22; Serial No. 433,562; published May 13, 1941. Class 46.

Finch Telecommunications, Inc., Passaic, N. J. Apparatus used in facsimile and telegraph apparatus for the transmission of pictures, etc. 388,988; July 22; Serial No. 438,301; published May 13, 1941. Class 21.

Finkelstein, Meyer, doing business as The Rich Chemical Co., New York, N. Y. Facial ointment. 388,992; July 22; Serial No. 439,209; published May 6, 1941. Class 6.

Firestone Tire & Rubber Company, The, Akron, Ohio. Refrigerators. 389,112; July 22; Serial No. 442,229; published May 13, 1941. Class 31.

Fisher, Bruce & Company, Philadelphia, Pa. Dinner sets of earthenware. 389,121; July 22. Class 30.

Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. 145,665; renewed Aug. 16, 1941.

Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. 146,225; renewed Sept. 6, 1941.

Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. 144,765; renewed July 19, 1941.

Folker Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 389,135; July 22. Class 42.

Forest City Rubber Company, The, Cleveland, Ohio. Absorbent cotton. 389,113; July 22; Serial No. 442,260; published May 13, 1941. Class 44.

Forstner Chain Corporation, Irvington, N. J. Chains for personal adornment. 144,393; renewed July 5, 1941.

Fox River Paper Company, assignor to Fox River Paper Corporation, Appleton, Wis. Writing-paper. 148,651; renewed Nov. 22, 1941.

Franklin Peanut Company, Franklin, Va. Peanuts in the shell. 148,833; renewed Nov. 29, 1941.

Gallatin Valley Milling Company, Seattle, Wash., and Belgrade, Mont., to Gallatin Valley Milling Company, Seattle, Wash. Wheat-flour. 148,654; renewed Nov. 22, 1941.

Gallatin Valley Milling Company, Seattle, Wash., and Belgrade, Mont., to Gallatin Valley Milling Company, Seattle, Wash. Wheat-flour. 148,034–42; renewed Nov. 8, 1941.

Ganow, Stacy B., Caldwell, N. J. Fruit preserves. 389,013; July 22; Serial No. 440,551; published May 13, 1941. Class 46.

General Mills, Inc. (See Great West Mill & Elevator Co.)

General Vender Manufacturing Company, Kansas City, Mo. Vending machines. 389,087; July 22; Serial No. 441,659; published May 13, 1941. Class 23.

Givaudan-Delawanna, Inc., New York, N. Y. Organic odoriferous and flavor imparting chemicals. 388,975; July 22; Serial No. 432,576; published May 6, 1941. Class 6.

Gleason Works, The, Rochester, N. Y. Gear cutting tools. 389,078–9; July 22; Serial Nos. 441,608–9; published May 13, 1941. Class 23.

Globe Grain & Milling Co., Los Angeles, Calif., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Foods. 145,100; renewed July 26, 1941.

Globe Grain & Milling Co., Los Angeles, Calif., assignor to Pillsbury Flour Mills Company, Minneapolis, Minn. Foods and ingredients of foods. 146,100; renewed Aug. 30, 1941.

Globe Shirt & Overall Company, Abingdon, Ill., assignor, by mesne assignments, to Earl E. Norris, Galesburg, Ill. Certain articles of clothing. 143,021; renewed May 24, 1941.

Goldfarb, Samuel J., New York, N. Y. Dresses and coats. 389,080; July 22; Serial No. 441,610; published May 13, 1941. Class 39.

Goodrich, B. F., Company, The, New York, N. Y. Belting and hose made of fabric combined with rubber and machinery packing made wholly or partly of rubber. 143,352; renewed May 31, 1941.

Gray, Dorothy, Salons, assignor to Lehn & Fink Products Corporation, Bloomfield, N. J. Perfume, toilet water, eau de cologne, dusting powder, etc. 389,010; July 22; Serial No. 440,505; published Apr. 1, 1941. Class 6.

Great Atlantic & Pacific Tea Company, The. (See Nut Grove Butter Company, assignor.)

Great Northern Supply Company, The, Cleveland, assignor to P. B. Osenbaugh, Hemlock, Ohio. Medicinal salve. 148,657; renewed Nov. 22, 1941.

Great West Mill & Elevator Co., Amarillo, Tex., assignor to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 148,421–22; renewed Nov. 15, 1941.

Gusmer, A., Inc., Hoboken, N. J. Dextrinized malt for brewing. 389,118; July 22. Class 48.

Hand, J. A., Son Co., Moosic, Pa. A preparation for killing flies and lice. 148,855; renewed Nov. 29, 1941.

Hardison, T. W., doing business as Petit Jean Springs Company, Morrilton, Ark. Spring water. 389,052; July 22; Serial No. 441,203; published May 13, 1941. Class 45.

Harris, Clara, Kansas City, Mo. Lipstick. 388,982; July 22; Serial No. 435,870; published May 6, 1941. Class 6.

Harrower Laboratory, Inc., The, Glendale, Calif. Preparation consisting of endothyrin, etc. 389,094; July 22; Serial No. 441,769; published May 6, 1941. Class 6.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. 389,057; July 22; Serial No. 441,245; published May 13, 1941. Class 22.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. 389,058; July 22; Serial No. 441,247; published May 13, 1941. Class 22.

Heyer, Don, Inglewood, Calif. Dolls, checker-boards and movable pieces, toy building blocks, etc. 388,966; July 22; Serial No. 427,245; published May 13, 1941. Class 22.

Hickinbotham Bros., Ltd., Stockton, Calif. Electrical welding apparatus, including parts and accessories therefor. 388,976; July 22; Serial No. 433,318; published May 13, 1941. Class 21.

Hickok Manufacturing Company, Inc., Rochester, N. Y. Belts and buckles. 143,978; renewed June 21, 1941.

Highland Electro-Chemical Manufacturing Company. (See Hood, Russell.)

Hood, Russell A., doing business as Highland Electro-Chemical Manufacturing Company, Connellsville, Pa. Soldering paste. 389,024; July 22; Serial No. 440,747; published May 13, 1941. Class 6.

Hunter-Hartman Corporation, St. Louis, Mo. Battery chargers. 388,986; July 22; Serial No. 437,868; published May 13, 1941. Class 21.

Hydril Company, Los Angeles, Calif. Well-pipe joints. 389,066; July 22; Serial No. 441,399; published May 13, 1941. Class 13.

Hyman & Oppenheim, assignor, by mesne assignments, to T. Charles, Inc., New York, N. Y. Hair-dressing. 146,776; renewed Sept. 20, 1941.

Hyman & Oppenheim, assignor, by mesne assignments, to T. Charles, Inc., New York, N. Y. Commodity for removing dye from hair. 147,000; renewed Sept. 27, 1941.

Independent Pneumatic Tool Company, Chicago, Ill. Rock drills; piston machines, stoppers, etc. 388,993; July 22; Serial No. 439,343; published Apr. 8, 1941. Class 23.

International Nutrition Laboratory. (See Miller, Harry W.)

Ivy Corset Company, Worcester, Mass. Garters and hose-supporters. 147,781; renewed Nov. 1, 1941.

Jordan, C. Leland, doing business as A. Servfrend Service, Whittier, Calif. Fresh citrus fruit and salad dressing. 389,081; July 22; Serial No. 441,613; published May 13, 1941. Class 46.

Kahn, Walter D., New York, N. Y. Biscuits, crackers, and cookies. 389,027; July 22; Serial No. 440,784; published May 13, 1941. Class 46.

Kelly, Martin, Elizabeth, N. J. Massage cream. 389,129; July 22. Class 6.

Kentucky Distilleries & Warehouse Co., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y. Denatured alcohol. 148,877; renewed Nov. 29, 1941.

King Cotton Laboratories. (See Collins, Clyde, Inc.)

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 389,053; July 22; Serial No. 441,205; published May 6, 1941. Class 40.

Klorfein, Morris, doing business as Morris Klorfein Packing Co., Salem, Oreg. Shelled walnuts and filberts. 389,120; July 22. Class 46.

Koppers Company, Pittsburgh, Pa., and Baltimore, Md. Piston rings. 389,095; July 22; Serial No. 441,773; published May 13, 1941. Class 35.

Kops Bros., assignor to Kops Brothers, Inc., New York, N. Y. Corsets, brassières, corset-covers, and waists. 148,462; renewed Nov. 15, 1941.

L. I. C. Crystal Corporation, New York, N. Y. Watch crystals. 389,044; July 22; Serial No. 441,094; published May 13, 1941. Class 33.

Lacrosse, Clifford G., Jr., doing business as Maryland Colloid Co., Baltimore, Md. External antiphlogistic adsorbent for horses, cattle, and dogs. 388,999; July 22; Serial No. 439,814; published May 6, 1941. Class 6.

Latimer Laboratory, Inc., New York, N. Y. Ozonide of olive oil in olive oil. 388,968; July 22; Serial No. 428,878; published Apr. 23, 1940. Class 6.

Lehn & Fink Products Corporation. (See Gray, Dorothy, Salons.)

Lelong, Lucien, Inc., Chicago, Ill. Perfume, cologne, toilet water, etc. 389,016; July 22; Serial No. 440,601; published May 13, 1941. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 388,960; July 22; Serial No. 417,378; published Apr. 29, 1941. Class 6.

Levine, Joe, Dress Co. Inc., New York, N. Y. Dresses, gowns, suits, etc. 389,005; July 22; Serial No. 440,205; published May 13, 1941. Class 39.

Lewellen Manufacturing Company, Columbus, Ind. Power pulleys, variable speed mechanisms, etc. 389,125; July 22. Class 23.

Low, Marshall, Elizabeth, N. J. Salve. 389,054; July 22; Serial No. 441,211; published Apr. 29, 1941. Class 6.

Lowe Paper Company, Ridgefield, N. J. Exposure aids in photography. 389,008; July 22; Serial No. 440,374; published May 13, 1941. Class 26.

Maier Brewing Co., Inc., Los Angeles, Calif. Beer. 389,097; July 22; Serial No. 441,873; published May 13, 1941. Class 48.

Manet, Mona, Inc., New York, N. Y. Face powders, face and skin creams, rouges, etc. 389,075; July 22; Serial No. 441,582; published May 13, 1941. Class 6.

Manet, Mona, Inc., New York, N. Y. Skin freshener, astringent, face and skin creams, etc. 389,076; July 22; Serial No. 441,583; published Apr. 29, 1941. Class 6.

Mattamac Limited. (See Pearson Brothers, assignor.)

Mayer, Gregory & Thom Co., Detroit, Mich. Certain named stationery. 148,901; renewed Nov. 29, 1941.

Mejia, Antonio, Mexico City, Mexico. Analgesic medical preparation for relieving pains. 388,997; July 22; Serial No. 439,624; published May 6, 1941. Class 6.

Mem Incorporated, New York, N. Y. Eau de cologne and toilet water. 389,102; July 22; Serial No. 441,974; published May 6, 1941. Class 6.

Mem Incorporated, New York, N. Y. Hair dressing and hair tonics. 389,103; July 22; Serial No. 441,976; published May 6, 1941. Class 6.

Merck & Co., New York, N. Y., assignor to Merck & Co., Inc., Rahway, N. J. Certain named chemicals, medicines, and pharmaceutical preparations. 108,566; renewed Feb. 15, 1936.

Merck & Co., Inc., Rahway, N. J. Medicinal preparation. 389,037; July 22; Serial No. 441,027; published Apr 29, 1941. Class 6.

Merz & Co. Chemical Works, Inc., East Orange, N. J. Chemical compound. 389,018; July 22; Serial No. 440,692; published May 6, 1941. Class 6.

Merz & Co. Chemical Works, Inc., East Orange, N. J. Greaseless skin medication. 389,019; July 22; Serial No. 440,695; published Apr. 29, 1941. Class 6.

Merz & Co. Chemical Works, Inc., East Orange, N. J. Cosmetic preparation. 389,020; July 22; Serial No. 440,701; published Apr. 29, 1941. Class 6.

Miller, Harry W., doing business as International Nutrition Laboratory, Mount Vernon, Ohio. Vegetable food drink. 389,131; July 22. Class 46.

Miner, Henry C., Inc., Est., assignor, by mesne assignments, to Miner's, Inc., New York, N. Y. Toilet preparations. 145,748; renewed Aug. 16, 1941.

Miracle Girl Coat House, Inc., New York, N. Y. Coats. 389,006; July 22; Serial No. 440,206; published May 13, 1941. Class 39.

Nancy Ann Dressed Dolls, Inc., San Francisco, Calif. Dolls, doll clothes, and doll furniture. 389,114; July 22; Serial No. 442,272; published May 13, 1941. Class 22.

Nancy Ann Dressed Dolls, Inc., San Francisco, Calif. Dolls and doll clothes. 389,115; July 22; Serial No. 442,273; published May 13, 1941. Class 22.

Narrow Fabric Company, The, West Reading, Pa. Shoe laces and middy blouse laces. 389,048; July 22; Serial No. 441,138; published May 6, 1941. Class 40.

National Aniline & Chemical Company, Inc., New York, N. Y. Dyestuffs, intermediates, and certified food-colors. 144,872–7; renewed July 19, 1941.

National Aniline & Chemical Company, Inc., New York, N. Y. Dyestuffs, intermediates, and certified food-colors. 145,985; renewed Aug. 23, 1941.

National Aniline & Chemical Company, Inc., New York, N. Y. A periodical. 148,172; renewed Nov. 8, 1941.

National Aniline & Chemical Company, Inc., New York, N. Y. Dyes, dyestuffs, and colors in the nature of textile dyes. 389,011; July 22; Serial No. 440,518; published May 6, 1941. Class 6.

National Cash Register Company, The, Dayton, Ohio. Cash registers, credit registers, accounting machines, etc. 389,068; July 22; Serial No. 441,440; published May 13, 1941. Class 26.

National Institute of Nutrition, Buffalo, N. Y., and Los Angeles, Calif., now by change of name: Nion Corporation. Yeast containing vitamin D. 389,055; July 22; Serial No. 441,212; published May 13, 1941. Class 6.

National Lead Company of California, San Francisco, Calif., assignor to National Lead Company, New York, N. Y. White lead and lead oxids. 147,654; renewed Oct. 25, 1941.

National Licorice Company, Brooklyn, N. Y. Licorice candy. 148,904; renewed Nov. 29, 1941.

National Ring Traveler Co., Providence, R. I. Travelers for use on spinning and twisting and spinning rings. 389,082; July 22; Serial No. 441,621; published May 13, 1941. Class 23.

Natural Cheese, Inc., Chicago, Ill., and Juneau, Wis. Cheese. 389,072; July 22; Serial No. 441,520; published May 13, 1941. Class 46.

Nelson Morris & Co., to Armour and Company of Delaware, successor, Chicago, Ill. Hog and beef products. 20,175; re-renewed Sept. 29, 1941.

Nestlé's Food Company, Inc., to Nestlé's Milk Products, Inc., New York, N. Y., by change of name. Unsweetened evaporated milk. 148,906; renewed Nov. 29, 1941.

Netzky, William, doing business as Susquehanna Waist Company, Philadelphia, Pa. Dress shields. 389,049; July 22; Serial No. 441,140; published May 6, 1941. Class 40.

New Era Milling Company, The, Arkansas City, Kans. Self-rising flour. 389,030; July 22; Serial No. 440,873; published May 6, 1941. Class 46.

Newland, Schneeloch & Piek, Inc., New York, N. Y. Glass dishes. 389,083; July 22; Serial No. 441,622; published May 13, 1941. Class 33.

Nion Corporation, Los Angeles, Calif. Iron and B complex combination. 389,084; July 22; Serial No. 441,624; published Apr. 29, 1941. Class 6.

Nion Corporation. (See National Institute of Nutrition.)

Norris, Earl E. (See Globe Shirt & Overall Company.)

Nut Grove Butter Company, Providence, R. I., assignor to The Great Atlantic & Pacific Tea Company, New York, N. Y. Oleomargarin. 146,316; renewed Sept. 6, 1941.

Oelerich & Berry Company, Chicago, Ill. Canned mixed vegetable juices. 389,032; July 22; Serial No. 440,952; published May 13, 1941. Class 46.
Osenbaugh, P. B. (See Great Northern Supply Company, The, assignor.)
P. C. Product Company, St. Louis, Mo. Composition for killing rodents. 388,984; July 22; Serial No. 436,522; published May 13, 1941. Class 6.
Pangburn Company, Fort Worth, Tex. Nut brittles for flavoring ice cream. 388,965; July 22; Serial No. 425,929; published May 13, 1941. Class 46.
Parke, Davis & Company, Detroit, Mich. Multiple vitamin preparation. 388,973; July 22; Serial No. 432,150; published Feb. 18, 1941. Class 6.
Paragon C. & C. Co. (See Rosenfeld, Abraham M.)
Passaic Analytical Laboratories, Inc., Passaic, N. J. Preparation for treatment of poison ivy and athlete's foot. 389,069; July 22; Serial No. 441,443; published Apr. 29, 1941. Class 6.
Pearson Brothers, assignor, by mesne assignments, to Mattamac Limited, Lindon, England. Waterproof coats. 147,666; renewed Oct. 25, 1941.
Pechter Baking Co., Inc., New York, N. Y. Rye bread and pumpernickel. 388,971; July 22; Serial No. 430,874; published May 13, 1941. Class 46.
Peck & Peck, New York, N. Y. Hosiery, sweaters, gloves of leather, etc. 389,014; July 22; Serial No. 440,563; published Apr. 22, 1941. Class 39.
Petit Jean Springs Company. (See Hardison, T. W.)
Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes. 389,132; July 22. Class 35.
Pillsbury Flour Mills Company. (See Globe Grain & Milling Co., assignor.)
Pocomoke Guano Co., The, Norfolk, Va., assignor, by mesne assignments, to American Agricultural Chemical Company, New York, N. Y. Fertilizer. 144,450; renewed July 5, 1941.
Prichard & Constance, Inc., New York, N. Y. Soaps. 143,140; renewed May 24, 1941.
Quality Caking Co. Inc., New York, N. Y. Cakes. 389,021; July 22; Serial No. 440,705; published May 13, 1941. Class 46.
Raab Custom Tailors, Inc., Cincinnati, Ohio. Suits, waistcoats, trousers, etc. 388,972; July 22; Serial No. 431,130; published May 13, 1941. Class 39.
Reese and Lineham, Portland, Oreg. Hair oil, quinine, tonic, shampoo, face cream, skin ointment, etc. 388,967; July 22; Serial No. 428,239; published Apr. 8, 1941. Class 6.
Rejuvia Beauty Laboratories, Inc., New York, N. Y. Lipstick, face powder, rouge, etc. 389,107; July 22; Serial No. 442,075; published May 6, 1941. Class 6.
Reliance Manufacturing Company, assignor to Reliance Manufacturing Company, Chicago, Ill. Work-shirts. 148,941; renewed Nov. 29, 1941.
Rich Chemical Co., The. (See Finkelstein, Meyer.)
Riegel Textile Corporation, New York, N. Y. Piece goods. 389,085; July 22; Serial No. 441,643; published May 13, 1941. Class 42.
Rochester Germicide Company, Rochester, N. Y. Disinfectant and antiseptic preparations in liquid form. 388,980; July 22; Serial No. 435,030; published Oct. 22, 1940. Class 6.
Roma Wine Company, Inc., Fresno, Calif. Wines. 389,025; July 22; Serial No. 440,758; published May 13, 1941. Class 47.
Rose, Edwin S., doing business as Edwin S. Rose Company, Minneapolis, Minn. Ladies' coats and suits. 389,086; July 22; Serial No. 441,644; published May 13, 1941. Class 39.
Rose Manufacturing Company. (See Rosenbluth, Edwin M.)
Rose, Martin P., Jackson Heights, Long Island, N. Y. Pharmaceutical preparation. 388,978; July 22; Serial No. 434,670; published Oct. 1, 1940. Class 6.
Rosenberg, Arthur P., doing business as Sta-Dri Company, Abbeville, S. C. Lotion to prevent perspiration. 389,122; July 22. Class 6.
Rosenbluth, Edwin M., doing business as Rose Manufacturing Company, Philadelphia, Pa.; Stella Rosenbluth, executrix of said Edwin M. Rosenbluth, deceased. Fungicides, insecticides, and disinfectants. 388,961; July 22. Serial No. 423,897; published Feb. 6, 1940. Class 6.
Rosenbluth, Stella, executrix. (See Rosenbluth, Edwin M.)
Rosenfeld, Abraham M., doing business as Paragon C. & C. Co., New York, N. Y. Preparation for use in the diagnosis of syphilis. 389,128; July 22. Class 6.
Ross, Sydney, Co. (See Wright's Indian Vegetable Pill Company, assignor.)
Rouw, H., Company, The, Van Buren, Ark. Fresh fruits and vegetables. 388,995; July 22; Serial No. 439,474; published May 13, 1941. Class 46.
Royal Baking Powder Company, Jersey City, N. J., and New York, N. Y., assignor to Standard Brands Incorporated, New York, N. Y. Baking-powder. 148,736; renewed Nov. 22, 1941.
Rubinstein, Helena, Inc., New York, N. Y. Lipstick. 389,007; July 22; Serial No. 440,342; published May 13, 1941. Class 6.
Rubinstein, Helena, Inc., New York, N. Y. Leg make-up. 389,038; July 22, 1941. Serial No. 441,037; published May 13, 1941. Class 6.
Ruby Chemical Company, The, Columbus, Ohio. Soldering and tinning flux. 389,092; July 22, 1941; Serial No. 441,748; published May 13, 1941. Class 6.
S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Machines for corrugating paper material, for taping box blanks, for folding paper blanks, etc. 388,979; July 22; Serial No. 434,843; published May 13, 1941. Class 23.
Sales Affiliates, Inc., New York, N. Y. Liquid cream for conditioning the skin. 389,059; July 22; Serial No. 441,257; published May 13, 1941. Class 6.
Samuels, Matilda F., Chicago, Ill. Powder for holding false teeth in place. 389,120; July 22.
San Antonio Drug Company, San Antonio, Tex. Gargle, mouth-wash, and nasal spray. 148,737; renewed Nov. 22, 1941.
Sandoz Chemical Works, Inc., New York, N. Y. Leather softening preparations and detergents. 389,060; July 22; Serial No. 441,291; published May 13, 1941. Class 4.
Santa Ana Tustin Mutual Citrus Association, Tustin, Calif. Fresh citrus fruit. 389,003; July 22; Serial No. 440,061; published May 13. Class 46.
Schallinger, Carl, Co., San Francisco, Calif. Dressed poultry. 389,051; July 22. Serial No. 441,184; published May 13, 1941. Class 46.
Seamless Rubber Company, Inc., The, assignor to The Seamless Rubber Company, New Haven, Conn. Rubber hot-water bags or bottles. 146,606; renewed Sept. 13, 1941.
Searle, G. D., & Co., Chicago, Ill. Medicinal preparation. 389,033; July 22; Serial No. 440,957; published Apr. 29, 1941. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Electric refrigerators. 389,111; July 22; Serial No. 442,145; published May 13, 1941. Class 31.
Sears, Roebuck and Co., Chicago, Ill. Window curtains. 389,117; July 22. Class 42.
Servfrend, A., Service. (See Jordan, C. Leland.)
Shapleigh Hardware Company, St. Louis, Mo. Catalogue. 144,277; renewed June 28, 1941.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for the treatment and/or prevention of dietary deficiencies, etc. 389,056; July 22; Serial No. 441,216; published May 13, 1941. Class 6.
Shell Chemical Company, San Francisco, Calif. Ammonia for soil fertilizing. 389,067; July 22; Serial No. 441,416; published May 13, 1941. Class 10.
Shipman & Baker Co., New York, N. Y. Misses' and junior coats and suits. 389,000; July 22; Serial No. 439,908; published May 6, 1941. Class 39.
Siems Bros., Inc., St. Paul, Minn. Malt and wheat breakfast foods. 389,012; July 22; Serial No. 440,523; published May 13, 1941. Class 46.
Smith, Arthur E., Los Angeles, Calif. Local anesthetizing, nerve blocking tablets and powders, etc. 389,045; July 22; Serial No. 441,112; published May 6, 1941. Class 6.
Societe des Moteurs Gnome et Rhone, Paris, France. Certain named motor-cars, vessels, boats, and rudders. 143,175; renewed May 24, 1941.
Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 389,074; July 22; Serial No. 441,553; published May 6, 1941. Class 6.
Sta-Dri Company. (See Rosenberg, Arthur P.)
Stanco Incorporated, Wilmington, Del., and New York, N. Y. Nose and throat spray. 388,990; July 22; Serial No. 438,708; published Feb. 18, 1941. Class 6.
Standard Brands Incorporated. (See Royal Baking Powder Company, assignor.)
Standard Milling Company, New York, N. Y. Wheat flour. 388,962; July 22; Serial No. 424,931; published May 13, 1941. Class 46.
Standard Synthetics, Inc., New York, N. Y. Oils of lemon and orange. 389,026; July 22; Serial No. 440,761; published May 13, 1941. Class 46.
Stuart Products, Inc., St. Paul, Minn. Perfume and sachet. 389,106; July 22; Serial No. 442,053; published May 13, 1941. Class 6.
Superior Brands, Incorporated, New York, N. Y. Rye dough conditioner in dehydrated form. 389,127; July 22. Class 46.
Susquehanna Waist Company. (See Netzky, William.)
Terrell, Mamie L., Chicago, Ill. Hair oil, pressing oil, hair-curling fluid, etc. 389,004; July 22; Serial No. 440,067; published May 6, 1941. Class 6.
Thompson-Hayward Chemical Company, Kansas City, Mo. Phosphates, soda compounds, pine oil, etc. 388,989; July 22; Serial No. 438,672; published May 13, 1941. Class 6.
Trundle-Bed Pillows, Larchmont, N. Y. Sachets. 389,046; July 22; Serial No. 441,115; published May 13, 1941. Class 6.
Twin Disc Clutch Company, Racine, Wis. Power take-off units, reduction gear units, and marine reverse gears. 389,134; July 22. Class 23.
Tykie Toy Company, Piqua, Ohio. Baby toys. 389,077; July 22; Serial No. 441,594; published May 13, 1941. Class 22.
Union Card & Paper Co., New York, N. Y. Papers. 148,718; renewed Nov. 22, 1941.
United Drug Company, assignor to United Drug Company, Boston, Mass. Pus-pans, bedpans, douche-pans, etc. 148,522; renewed Nov. 15, 1941.

United Elastic Corporation. (See American Maills Company of New York.)
United Optical Manufacturing Corporation, New York, N. Y. Spectacle frames. 389,009; July 22; Serial No. 440,395; published May 13, 1941. Class 26.
U. S. Industrial Chemicals, Inc. (See Kentucky Distillers & Warehouse Co.)
U. S. Neckwear Corp., The, New York, N. Y. Haberdashery. 389,015; July 22; Serial No. 440,506; published May 13, 1941. Class 39.
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 389,123; July 22. Class 22.
United States Rubber Company, New York, N. Y. Chemicals used as accelerators in the vulcanization of rubber. 389,108; July 22; Serial No. 442,080; published May 13, 1941. Class 6.
Vibosol Company, The, Charlottesville, Va. Feed supplement. 389,039; July 22; Serial No. 441,040; published May 13, 1941. Class 46.
Vulcanite Roofing Company, The, Wilmington, Del., and Buffalo, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y. Shingles, roofing-tile, roofing-slabs, etc. 144,293; renewed June 28, 1941.
Walker-Gordon Laboratory Company, Inc., Plainsboro, N. J. Chemical fertilizer combined with dehydrated cow manure. 389,093; July 22; Serial No. 441,754; published May 13, 1941. Class 10.
Walsh, James, & Co. Inc., Lawrenceburg, Ind. Gin, rum, brandy, etc. 389,137; July 22. Class 49.
Welman Company, The, Rockford, Ill. Furniture. 388,959; July 22; Serial No. 410,243; published May 13, 1941. Class 32.
Weldon Drug Co., Weldon, N. C., a firm. Medicinal preparation. 148,721; renewed Nov. 22, 1941.
Whistling Oyster, The, Ogunquit, Maine. Glass vases, table glassware, glass boxes. 388,991; July 22; Serial No. 438,916; published May 13, 1941. Class 33.
Wickwire Spencer Steel Company, New York, N. Y. Wire rope. 389,104; July 22; Serial No. 441,984; published May 13, 1941. Class 7.
Windsor Lloyd Products, Inc., Philadelphia, Pa. Brake shoe linings. 388,998; July 22; Serial No. 439,680; published May 13, 1941. Class 35.
Wright's Indian Vegetable Pill Company, New York, N. Y., assignor to Sydney Ross Co., Newark, N. J. A vermifuge. 146,914–15; renewed Sept. 20, 1941.
X. L. Coin Machine Co., Inc., Boston, Mass. Portable bowling alleys. 389,091; July 22; Serial No. 441,719; published May 13, 1941. Class 22.
Zekind, Charles, doing business as Bedford Drug & Chemical Company, New York, N. Y. Scalp, skin, and hair lotion. 388,987; July 22; Serial No. 438,059; published May 6, 1941. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Timothy-seed. Albert Dickinson Company. 20,028–30; renewed Aug. 18, 1941.

CLASS 2

Boxes, crates, and baskets, and parts thereof. Acme Veneer Package Co. 388,963; July 22; Serial No. 424,982; published May 13, 1941.

CLASS 4

Cleanser and stain remover, Skin. Anderson Company. 389,042; July 22; Serial No. 441,074; published May 13, 1941.
Cleanser, Household. Federated Foods, Inc. 388,964; July 22; Serial No. 425,465; published Nov. 5, 1940.
Felt polishing-wheels and felts therefor. Eastern Felt Company. 148,823; renewed Nov. 29, 1941.
Powder for cleaning dental plates. Clark-Cleveland, Incorporated. 389,090; July 22; Serial No. 441,696; published May 13, 1941.
Shaving cream, Brushless. Collins, Clyde, Inc. 389,050; July 22; Serial No. 441,157; published May 13, 1941.
Soaps. Prichard & Constance, Inc. 143,140; renewed May 24, 1941.
Softening preparations and detergents, Leather. Sandoz Chemical Works, Inc. 389,060; July 22; Serial No. 441,291; published May 13, 1941.
Solvent, Liquid. Coleman & Bell Company. 389,002; July 22; Serial No. 440,042; published May 13, 1941.

CLASS 6

Alcohol, Denatured. Kentucky Distilleries & Warehouse Co. 148,877; renewed Nov. 29, 1941.
Analgesic medical preparation for relieving pains. A. Mejia. 388,997; July 22; Serial No. 439,624; published May 6, 1941.
Anesthetic compound. Abbott Laboratories. 147,893; renewed Nov. 8, 1941.
Anti-freeze composition. Commercial Solvents Corporations. 389,040–1; July 22; Serial Nos. 441,048–9; published Apr. 29, 1941.
Antiphlogistic absorbent for horses, cattle and dogs, External. C. G. Lacrosse, Jr. 388,999; July 22; Serial No. 439,814; published May 6, 1941.
Chemical compound. Merz & Co. Chemical Works, Inc. 389,018; July 22; Serial No. 440,692; published May 6, 1941.
Chemical products. Arnold, Hoffman, & Co. Incorporated. 389,031; July 22; Serial No. 440,903; published Apr. 29, 1941.
Chemicals, medicines, and pharmaceutical preparations. Merck & Co. 108,566; renewed Feb. 15, 1936.
Chemicals, Organic odoriferous and flavor imparting. Givaudan-Delawanna, Inc. 388,975; July 22; Serial No. 432,576; published May 6, 1941.
Chemicals used as accelerators in the vulcanization of rubber. United States Rubber Company. 389,108; July 22; Serial No. 442,080; published May 13, 1941.
Cod liver oil, hard elastic capsules, capsules of halibut liver oil, etc. Elars Products, Inc. 389,126; July 22.
Commodity for removing dye from hair. Hyman & Oppenheim. 147,000; renewed Sept. 27, 1941.
Composition for killing rodents. P. C. Product Company. 388,984; July 22; Serial No. 436,522; published May 13, 1941.
Cosmetic preparation. Merz & Co. Chemical Works, Inc. 389,020; July 22; Serial No. 440,701; published Apr. 29, 1941.
Dandruff remover and scalp stimulant. Capillis, Inc. 389,023; July 22; Serial No. 440,741; published Apr. 29, 1941.
Detergent or cleaning compound, Decarbonizing and degumming liquid. Curran Corporation. 389,036; July 22; Serial No. 441,015; published May 6, 1941.
Disinfectant and antiseptic preparations in liquid form. Rochester Germicide Company. 388,980; July 22; Serial No. 435,030; published Oct. 22, 1940.
Dyes and dyestuffs. C. S. Althouse. 389,133; July 22.
Dyes, dyestuffs, and colors in the nature of textile dyes. National Aniline & Chemical Company. 389,011; July 22; Serial No. 440,518; published May 6, 1941.
Dyestuffs, intermediates and certified food-colors. National Aniline & Chemical Company. 144,872–7; renewed July 19, 1941.
Dyestuffs, intermediates, and certified food-colors. National Aniline & Chemical Company. 145,985; renewed Aug. 23, 1941.
Eau de cologne and toilet water. Mem Incorporated. 389,102; July 22; Serial No. 441,974; published May 6, 1941.
Face powders, face and skin creams, rouges, etc. Mona Manet Inc. 389,075; July 22; Serial No. 441,582; published May 13, 1941.
Flux, soldering and tinning. Ruby Chemical Company. 389,092; July 22; Serial No. 441,748; published May 13, 1941.
Fungicides, insecticides, and disinfectants. Edwin M. Rosenbluth. 388,961; July 22; Serial No. 423,897; published Feb. 6, 1940.
Gargle, mouth-wash, and nasal spray. San Antonio Drug Company. 148,737; renewed Nov. 22, 1941.
Hair-dressing. Hyman & Oppenheim. 146,776; renewed Sept. 20, 1941.
Hair dressing and hair tonics. Mem Incorporated. 389,103; July 22; Serial No. 441,976; published May 6, 1941.
Hair oil, pressing oil, hair-curling fluid, etc. M. L. Terrell. 389,004; July 22; Serial No. 440,067; published May 6, 1941.
Hair oil, quinine, tonic, shampoo, face cream, skin ointment, etc. Reese and Lineham. 388,967; July 22; Serial No. 428,239; published Apr. 8, 1941.
Inhalers, Nasal. Abbott Laboratories. 388,983; July 22; Serial No. 436,458; published Dec. 24, 1940.
Iron and B complex combination. Nion Corporation. 389,084; July 22; Serial No. 441,624; published Apr. 29, 1941.
Lipstick. C. Harris. 388,982; July 22; Serial No. 435,870; published May 6, 1941.
Lipstick, face powder, rouge, etc. Rejuvia Beauty Laboratories, Inc. 389,107; July 22; Serial No. 442,075; published May 6, 1941.
Lipsticks. Helena Rubinstein, Inc. 389,007; July 22; Serial No. 440,342; published May 13, 1941.
Lipsticks, face cream, and rouge. Carter Products, Inc. 389,116; July 22; Serial No. 442,304; published May 13, 1941.
Lipsticks, lipstick refills, eau de cologne, etc. Antoine de Paris, Inc. 389,035; July 22; Serial No. 440,975; published Apr. 29, 1941.
Liquid cream for conditioning the skin. Sales Affiliates, Inc. 389,059; July 22; Serial No. 441,257; published May 13, 1941.
Lotion, Scalp, skin, and hair. C. Zekind. 388,987; July 22; Serial No. 438,059; published May 6, 1941.
Lotion to prevent perspiration. A. P. Rosenberg. 389,122; July 22.
Make-up, Leg. Helena Rubinstein, Inc. 389,038; July 22; Serial No. 441,037; published May 13, 1941.

Massage cream. M. Kelly. 389,129; July 22.
Medication, Greaseless skin. Merz & Co. Chemical Works, Inc. 389,019; July 22; Serial No. 440,695; published Apr. 29, 1941.
Medicinal preparation. Merck & Co. 389,037; July 22; Serial No. 441,027; published Apr. 29, 1941.
Medicinal preparation. G. D. Searle & Co. 389,033; July 22; Serial No. 440,957; published Apr. 29, 1941.
Medicinal preparation. Weldon Drug Co., a firm. 148,721; renewed Nov. 22, 1941.
Medicinal preparations. Wm. J. Caron. 143,298; renewed May 31, 1941.
Medicinal preparations. Chicago Dietetic Supply House, Inc. 388,981; July 22; Serial No. 435,749; published Apr. 29, 1941.
Medicinal preparations. Carlo O. Fauda. 148,831; renewed Nov. 29, 1941.
Medicinal salve. Great Northern Supply Company. 148,657; renewed Nov. 22, 1941.
Medicine, nasal. M. F. Emory. 389,017; July 22; Serial No. 440,678; published May 6, 1941.
Ointment, facial. M. Finkelstein. 388,992; July 22; Serial No. 439,209; published May 6, 1941.
Ozonide of olive oil in olive oil. Latimer Laboratory, Inc. 388,968; July 22; Serial No. 428,878; published April 23, 1940.
Paste, soldering. R. A. Hood. 389,024; July 22; Serial No. 440,747; published May 13, 1941.
Perfume. Delettrez, Inc. 389,098–9; July 22; Serial Nos. 441,950–1; published May 6, 1941.
Perfume. Delettrez, Inc. 389,100–1; July 22; Serial Nos. 441,953–4; published May 6, 1941.
Perfume and sachet. Stuart Products, Inc. 389,106; July 22; Serial No. 442,053; published May 13, 1941.
Perfume, cologne, toilet water, etc. Lucien Lelong, Inc. 389,016; July 22; Serial No. 440,601; May 13, 1941.
Perfume, toilet water, eau de cologne, etc. Bourjois, Inc. 389,047; July 22; Serial No. 441,123; published April 29, 1941.
Perfume, toilet water, eau de cologne, dusting powder, etc. Dorothy Gray Salons. 389,010; July 22; Serial No. 440,505; published Apr. 1, 1941.
Perfumes and cosmetic creams. Lentheric, Incorporated. 388,960; July 22; Serial No. 417,378; published Apr. 29, 1941.
Pharmaceutical preparation. M. P. Rose. 388,978; July 22; Serial No. 434,670; published Oct. 1, 1940.
Phosphates, soda compounds, pine oil, etc. Thompson-Hayward Chemical Company. 388,989; July 22; Serial No. 438,672; published May 13, 1941.
Powder for holding false teeth in place. M. F. Samuels. 389,130; July 22.
Preparation consisting of endothyrin, etc. Harrower Laboratory, Inc. 389,094; July 22; Serial No. 441,769; published May 6, 1941.
Preparation for killing flies and lice. J. A. Hand Son Co. 148,855; renewed Nov. 29, 1941.
Preparation for the treatment and/or prevention of dietary deficiencies, etc. Sharp & Dohme, Incorporated. 389,056; July 22; Serial No. 441,216; published May 13, 1941.
Preparation for treatment of poison ivy and athlete's foot. Passaic Analytical Laboratories, Inc. 389,069; July 22; Serial No. 441,443; published April 29, 1941.
Preparation for use in the diagnosis of syphilis. A. M. Rosenfeld. 389,128; July 22.
Preparation for use on the hair. Pete De Nardo & Sons. 389,028; July 22; Serial No. 440,806; published May 13, 1941.
Sachets. Trundle-Bed Pillows. 389,046; July 22; Serial No. 441,115; published May 13, 1941.
Salve. M. Low. 389,054; July 22; Serial No. 441,211; published Apr. 29, 1941.
Skin freshener, astringent, face and skin creams, etc. Mona Manet, Inc. 389,076; July 22; Serial No. 441,583; published Apr. 29, 1941.
Spray, nose and throat. Stanco, Incorporated. 388,990; July 22; Serial No. 438,708; published Feb. 18, 1941.
Substance for coating electric light tubes for providing fluorescent light. Federal Fluorescent Co., Inc. 389,119; July 22.
Tablets and powders, etc., Local anesthetizing, nerve blocking. A. E. Smith. 389,045; July 22; Serial No. 441,112; published May 6, 1941.
Toilet preparations. F. Denney. 389,001; July 22; Serial No. 439,927; published May 6, 1941.
Toilet preparations. Est. Henry C. Miner, Inc. 145,748; renewed Aug. 16, 1941.
Tung oil for external application for the alleviation of cuts, etc.; and tung tea. Bergen Co., Inc. 388,970; July 22; Serial No. 430,479; published May 13, 1941.
Vermifuge. Wright's Indian Vegetable Pill Company. 146,914–15; renewed Sept. 20, 1941.
Vitamin preparation. Abbott Laboratories. 389,109; July 22; Serial No. 442,087; published May 6, 1941.
Vitamin preparation. Abbott Laboratories. 389,110; July 22; Serial No. 442,088; published May 13, 1941.
Vitamin preparation, Multiple. Parke, Davis & Company. 388,973; July 22; Serial No. 432,150; published Feb. 18, 1941.
Vitaminic preparations. E. R. Squibb & Sons. 389,074; July 22; Serial No. 441,553; published May 6, 1941.
Yeast containing vitamin D. National Institute of Nutrition. 389,055; July 22; Serial No. 441,212; published May 13, 1941.

CLASS 7

Rope, Wire. Wickwire Spencer Steel Company. 389,104; July 22; Serial No. 441,984; published May 13, 1941.

CLASS 9

Matches, Book. R. O. Dorow. 388,985; July 22; Serial No. 437,761; published May 13, 1941.

CLASS 10

Ammonia for soil fertilizing. Shell Chemical Company. 389,067; July 22; Serial No. 441,416; published May 13, 1941.
Fertilizer. H. J. Baker & Bro. 389,105; July 22; Serial No. 441,992; published May 13, 1941.
Fertilizer. Pocomoke Guano Co. 144,450; renewed July 5, 1941.
Fertilizer combined with dehydrated cow manure. Chemical. Walker-Gordon Laboratory Company. 389,093; July 22; Serial No. 441,754; published May 13, 1941.

CLASS 12

Shingles, roofing-tile, roofing-slabs, etc. Vulcanite Roofing Company. 144,293; renewed June 28, 1941.

CLASS 13

Clips. Metal. Armstrong Cork Company. 389,070; July 22; Serial No. 441,463; published May 13, 1941.
Well-pipe joints. Hydril Company. 389,066; July 22; Serial No. 441,399; published May 13, 1941.

CLASS 14

Alloys and castings, and forgings of same, light-metal. Dow Chemical Company. 144,747; renewed July 19, 1941.

CLASS 16

Plastic sealing compound in the nature of a putty. Atlas Putty Products Co. 389,022; July 22; Serial No. 440,711; published May 13, 1941.
White lead and lead oxids. National Lead Company of California. 147,654; renewed Oct. 25, 1941.

CLASS 19

Motor-cars, vessels, boats, and rudders. Societe des Moteurs Gnome et Rhone. 143,175; renewed May 24, 1941.

CLASS 21

Apparatus used in facsimile and telegraph apparatus for the transmission of pictures, etc. Finch Telecommunications, Inc. 388,988; July 22; Serial No. 438,301; published May 13, 1941.
Battery chargers. Hunter-Hartmen Corporation. 388,986; July 22; Serial No. 437,868; published May 13, 1941.
Electrical welding apparatus, including parts and accessories therefor. Hickinbotham Bros., Ltd. 388,976; July 22; Serial No. 433,318; published May 13, 1941.
Insulating compounds, electric. Fibroc Insulation Company. 148,649; renewed Nov. 22, 1941.

CLASS 22

Bowling alleys, Portable. X. L. Coin Machine Co. 389,091; July 22; Serial No. 441,719; May 13, 1941.
Dolls and doll clothes. Nancy Ann Dressed Dolls, Inc. 389,115; July 22; Serial No. 442,273; published May 13, 1941.
Dolls, checker-boards and movable pieces, toy building blocks, etc. D. Heyer. 388,966; July 22; Serial No. 427,245; published May 13, 1941.
Dolls, doll clothes, and doll furniture. Nancy Ann Dressed Dolls, Inc. 389,114; July 22; Serial No. 442,272; published May 13, 1941.
Fish lures. James Heddon's Sons. 389,057; July 22; Serial No. 441,245; published May 13, 1941.
Fish lures. James Heddon's Sons. 389,058; July 22; Serial No. 441,247; published May 13, 1941.
Playing cards. United States Playing Card Company. 389,123; July 22.
Toys, Baby. Tykie Toy Company. 389,077; July 22; Serial No. 441,594; published May 13, 1941.

CLASS 23

Cutting tools, Gear. Gleason Works. 389,078–9; July 22; Serial Nos. 441,608–9; published May 13, 1941.
Engine equipment, Diesel. Aircraft & Diesel Equipment Corporation. 389,089; July 22; Serial No. 441,691; published May 13, 1941.
Machinery for treating and retreading tires. American Tire Machinery Co. 388,969; July 22; Serial No. 428,947; published May 13, 1941.
Machines for corrugating paper material, for taping box blanks, for folding paper blanks, etc. S. & S. Corrugated Paper Machinery Co. 388,979; July 22; Serial No. 434,843; published May 13, 1941.
Machines, Vending. General Vender Manufacturing Company. 389,087; July 22; Serial No. 441,659; published May 13, 1941.

Power pulleys, variable speed mechanisms, etc. Lewellan Manufacturing Company. 389,125; July 22.
Power take-off units, reduction gear units, and marine reverse gears. Twin Disc Clutch Company. 389,134; July 22.
Rock drills, piston machines, stoppers, etc. Independent Pneumatic Tool Company. 388,993; July 22; Serial No. 439,343; published Apr. 8, 1941.
Tools, vises, saws, spanners, etc., Metal-working. Easterbrook, Ellcard & Co. Limited. 148,821; renewed Nov. 29, 1941.
Travelers for use on spinning and twisting and spinning rings. National Ring Traveler Co. 389,082; July 22; Serial No. 441,621; published May 13, 1941.

CLASS 26

Cash registers, credit registers, accounting machines, etc. National Cash Register Company. 389,068; July 22; Serial No. 441,440; published May 13, 1941.
Exposure aids in photography. Lowe Paper Company. 389,008; July 22; Serial No. 440,374; published May 13, 1941.
Object carriers for perimeters. Bausch & Lomb Optical Company. 389,088; July 22; Serial No. 441,661; published May 13, 1941.
Spectacle frames. United Optical Manufacturing Corporation. 389,009; July 22; Serial No. 440,395; published May 13, 1941.

CLASS 28

Chains for personal adornment. Forstner Chain Corporation. 144,393; renewed July 5, 1941.

CLASS 30

Dinner sets of earthenware. Fisher, Bruce & Company. 389,121; July 22.

CLASS 31

Refrigerators. Firestone Tire & Rubber Company. 389,112; July 22; Serial No. 442,229; published May 13, 1941.
Refrigerators, Electric. Sears, Roebuck and Co. 389,111; July 22; Serial No. 442,145; published May 13, 1941.

CLASS 32

Furniture. Weiman Company. 388,959; July 22; Serial No. 410,243; published May 13, 1941.

CLASS 33

Crystals, Watch. L. I. C. Crystal Corporation. 389,044; July 22; Serial No. 441,094; published May 13, 1941.
Dishes, Glass. Newland, Schneeloch & Piek, Inc. 389,083; July 22; Serial No. 441,622; published May 13, 1941.
Tableware, Glass. Federal Glass Company. 389,061; July 22; Serial No. 441,316; published May 13, 1941.
Vases, table glassware, glass boxes, Glass. Whistling Oyster. 388,991; July 22; Serial No. 438,916; published May 13, 1941.

CLASS 34

Heating apparatus, Gas. Estate Stove Company. 145,092; renewed July 26, 1941.

CLASS 35

Belting and hose made of fabric. B. F. Goodrich Company. 143,352; renewed May 31, 1941.
Linings, Brake shoe. Windsor Lloyd Products, Inc. 388,998; July 22; Serial No. 439,680; published May 13, 1941.
Piston rings. Koppers Company. 389,095; July 22; Serial No. 441,773; published May 13, 1941.
Pneumatic tires and tubes. Pharis Tire and Rubber Company. 389,132; July 22.

CLASS 36

Phonograph-records. Brunswick-Balke-Collender Company. 147,941; renewed Nov. 8, 1941.

CLASS 37

Lead-pencils and magazine lead-pencils. Cartier, Inc. 147,951; renewed Nov. 8, 1941.
Paper, writing. Fox River Paper Company. 148,651; renewed Nov. 22, 1941.
Papers. Union Card & Paper Co. 148,718; renewed Nov. 22, 1941.
Sstationery. Gregory Mayer & Thom Co. 148,901; renewed Nov. 29, 1941.

CLASS 38

Catalogue. Shapleigh Hardware Company. 144,277; renewed June 28, 1941.
Periodical. National Aniline & Chemical Company. 148,172; renewed Nov. 8, 1941.
Publication, Monthly. Barnes-Ross Company. 147,543; renewed Oct. 25, 1941.

CLASSES 39 and 40

Belts for supporting wearing apparel and buckles not of precious metal. Hickok Manufacturing Company, Inc. 143,978; renewed June 21, 1941.

CLASS 39

Clothing, Articles of. Globe Shirt & Overall Company. 143,021; renewed May 24, 1941.
Coats. Miracle Girl Coat House, Inc. 389,006; July 22; Serial No. 440,206; published May 13, 1941.
Coats and suits. Shipman & Baker Co. 389,000; July 22; Serial No. 439,908; published May 6, 1941.
Coats and suits, Ladies'. E. S. Rose. 389,086; July 22; Serial No. 441,644; published May 13, 1941.
Corsets, brassières, corset-covers, and waists. Kops Bros. 148,462; renewed Nov. 15, 1941.
Dresses and coats. S. J. Goldfarb. 389,080; July 22; Serial No. 441,610; published May 13, 1941.
Dresses, gowns, suits, etc. Joe Levine Dress Co. Inc. 389,005; July 22; Serial No. 440,205; published May 13, 1941.
Garters and hose-supporters. Ivy Corset Company. 147,781; renewed Nov. 1, 1941.
Haberdashery. U. S. Neckwear Corp. 389,015; July 22; Serial No. 440,566; published May 13, 1941.
Hosiery, sweaters, gloves of leather, etc. Peck & Peck. 389,014; July 22; Serial No. 440,563; published Apr. 22, 1941.
Suits, waistcoats, trousers, etc. Raab Custom Tailors, Inc. 388,972; July 22; Serial No. 431,130; published May 13, 1941.
Waterproof coats. Pearson Brothers. 147,666; renewed Oct. 25, 1941.
Work-shirts. Reliance Manufacturing Company. 148,941; renewed Nov. 29, 1941.

CLASS 40

Dress shields. I. B. Kleinert Rubber Company. 389,053; July 22; Serial No. 441,205; published May 6, 1941.
Dress shields. W. Netzky. 389,049; July 22; Serial No. 441,140; published May 6, 1941.
Shoe laces. Diamond Braiding Mills Incorporated. 389,064–5; July 22; Serial Nos. 441,351–2; published May 6, 1941.
Shoe laces and middy blouse laces. Narrow Fabric Company. 389,048; July 22; Serial No. 441,138; published May 6, 1941.
Snap-Fasteners. De Long Hook and Eye Company. 148,388; renewed Nov. 15, 1941.
Spindles for holding yarn. A. Baruch. 388,994; July 22; Serial No. 439,455; published Apr. 15, 1941.

CLASS 42

Elastic fabrics. American Mills Company of New York. 389,096; July 22; Serial No. 441,847; published May 13, 1941.
Piece goods. Cohn-Hall-Marx Co. 389,073; July 22; Serial No. 441,531; published May 13, 1941.
Piece goods. Riegel Textile Corporation. 389,085; July 22; Serial No. 441,643; published May 13, 1941.
Textile fabrics in the piece. Folker Fabrics, Inc. 389,135; July 22.
Window curtains. Sears, Roebuck and Co. 389,117; July 22.

CLASS 43

Hand knitting yarns. L. Du Pingouin, Inc. 389,136; July 22.

CLASS 44

Cotton, Absorbent. Forest City Rubber Company. 389,113; July 22; Serial No. 442,260; published May 13, 1941.
Dental instruments. Cleveland Dental Manufacturing Company. 148,380; renewed Nov. 15, 1941.
Electric massaging apparatus. Andis Clipper Company. 389,124; July 22.
Hot-water bags or bottles, Rubber. Seamless Rubber Company. 146,606; renewed Sept. 13, 1941.
Pus-pans, bedpans, douche-pans, etc. United Drug Company. 148,552; renewed Nov. 15, 1941.

CLASS 45

Beverage, Fruit juice. Virginia Dare Extract Company. 389,043; July 22; Serial No. 441,086; published May 13, 1941.
Spring water. T. W. Hardison. 389,052; July 22; Serial No. 441,203; published May 13, 1941.

CLASS 46

Baking-powder. Royal Baking Powder Company. 148,736; renewed Nov. 22, 1941.
Biscuits, crackers, and cookies. W. D. Kahn. 389,027; July 22; Serial No. 440,784; published May 13, 1941.
Bread and pumpernickel, Rye. Pechter Baking Co. 388,971; July 22; Serial No. 430,874; published May 13, 1941.
Cakes. Quality Caking Co. Inc. 389,021; July 22; Serial No. 440,705; published May 13, 1941.
Candy, Licorice. National Licorice Company. 148,904; renewed Nov. 29, 1941.
Canned fruits and vegetables. Bercut-Richards Packing Company. 388,958; July 22; Serial No. 407,123; published May 16, 1939.
Canned fruits, vegetables, tomato sauce, etc. Filice and Perrelli Canning Company. 388,977; July 22; Serial No. 433,562; published May 13, 1941.

Canned mixed vegetables juices. Oelerich & Berry Company. 389,032; July 22; Serial No. 440,952; published May 13, 1941.
Cheese. Natural Cheese, Inc. 389,072; July 22; Serial No. 441,520; published May 13, 1941.
Compound or evaporated skimmed milk and vegetable oil for food purposes. Carolene Products Co. 389,034; July 22; Serial No. 440,971; published May 13, 1941.
Feed supplement. Vibosol Company. 389,039; July 22; Serial No. 441,040; published May 13, 1941.
Flour, Self rising. New Era Milling Company. 389,030; July 22; Serial No. 440,873; published May 6, 1941.
Flour, Wheat. Charleston Milling Company. 389,062–3; July 22; Serial Nos. 441,346–7; published May 13, 1941.
Flour, Wheat. H. Dittlinger Roller Mills Co. 389,029; July 22; Serial No. 440,807; published May 13, 1941.
Flour, Wheat. Standard Milling Company. 388,962; July 22; Serial No. 424,931; published May 13, 1941.
Foods. Globe Grain & Milling Co. 145,100; renewed July 26, 1941.
Foods and ingredients of foods. Globe Grain & Milling Co. 146,100; renewed Aug. 30, 1941.
Fruit and salad dressing. C. L. Jordan. 389,081; July 22; Serial No. 441,613; published May 13, 1941.
Fruit, Citrus. Santa Ana Tustin Mutual Citrus Association. 389,003; July 22; Serial No. 440,061; published May 13, 1941.
Fruits and vegetables. H. Rouw Company. 388,995; July 22; Serial No. 439,474; published May 13, 1941.
Hog and beef products. Nelson Morris & Co. 20,175; re-renewed Sept. 29, 1941.
Malt and wheat breakfast foods. Siems Bros., Inc. 389,012; July 22; Serial No. 440,523; published May 13, 1941.
Milk, Unsweetened evaporated. Nestle's Food Company. 148,906; renewed Nov. 29, 1941.
Nut brittles for flavoring ice cream. Pangburn Company. 388,965; July 22; Serial No. 425,929; published May 13, 1941.
Oils of lemon and orange. Standard Synthetics, Inc. 389,026; July 22; Serial No. 440,761; published May 13, 1941.
Oleomargarin. Nut Grove Butter Company. 146,316; renewed Sept. 6, 1941.
Peanuts in the shell. Franklin Peanut Company. 148,833; renewed Nov. 29, 1941.
Poultry, Dressed. Carl Schallinger Co. 389,051; July 22; Serial No. 441,184; published May 13, 1941.
Preparation embodying a combination of meats and condiments. O. R. Dunn. 388,974; July 22; Serial No. 432,513; published May 13, 1941.
Preserves, Fruit. S. B. Ganow. 389,013; July 22; Serial No. 440,551; published May 13, 1941.
Rye dough conditioner in dehydrated form. Superior Brands, Incorporated. 389,127; July 22.
Sauce, Spaghetti. G. Di Lullo. 388,996; July 22; Serial No. 439,589; published May 13, 1941.
Shelled walnuts and filberts. M. Klorfein. 389,120; July 22.
Toast. Excelsior Baking Company. 145,359; renewed Aug. 2, 1941.
Vegetable food drink. H. W. Miller. 389,131; July 22.
Wheat-flour. Fisher Flouring Mills Company. 144,765; renewed July 19, 1941.
Wheat-flour. Fisher Flouring Mills Company. 145,665; renewed Aug. 16, 1941.
Wheat-flour. Fisher Flouring Mills Company. 146,225; renewed Sept. 6, 1941.
Wheat-flour. Gallatin Valley Milling Company. 148,034–42; renewed Nov. 8, 1941.
Wheat-flour. Gallatin Valley Milling Company. 148,654; renewed Nov. 22, 1941.
Wheat-flour. Great West Mill & Elevator Co. 148,421–22; renewed Nov. 15, 1941.

CLASS 47

Wines. Comex Wine & Spirits Co. 389,071; July 22; Serial No. 441,500; published May 13, 1941.
Wines. Roma Wine Company. 389,025; July 22; Serial No. 440,758; published May 13, 1941.

CLASS 48

Beer. Maier Brewing Co. 389,097; July 22; Serial No. 441,873; published May 13, 1941.
Dextrinized malt for brewing. A. Gusmer, Inc. 389,118; July 22.

CLASS 49

Gin, rum, brandy, etc. J. Walsh & Co. Inc. 389,137; July 22.

CLASS 50

Waterproof and fireproof fabrics, table-mats, asbestos cloth and carpet linings. Philip Carey Manufacturing Company. 143,429; renewed May 31, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF JULY, 1941

NOTE.– Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Buchanan, Michael K., and A. G. Horton, Norfolk, Va. Ice cube pan. Re. 21,860; July 22.
General Electric Company. (See Miles, Lawrence D., assignor.)
Horton, Albert G. (See Buchanan, M. K., and Horton.)
Miles, Lawrence D., Schenectady, N. Y., assignor to General Electric Company. Liquid cathode device. Re. 21,861; July 22.
Owens-Corning Fiberglas Corporation. (See Slayter, Games, assignor.)
Sanford, Hugh W., Knoxville, Tenn. Drop bottom mine cars. Re. 21,862; July 22.
Slayter, Games, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Method and apparatus of melting and fining glass. Re. 21,863; July 22.
Westinghouse Electric & Manufacturing Company. (See White, Howard D., assignor.)
White, Howard D., Adrian, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerator cabinet. Re. 21,864; July 22.

LIST OF PLANT PATENTEES

Hof Mann, Frederick W., Blacksburg, Va. Peach tree. 479; July 22.

LIST OF DESIGN PATENTEES

Adams, Walter L., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fish lure. 128,362; July 22.
Adler, Joanne, New York, N. Y. Brooch or similar article. 128,409; July 22.
Andrée, Gilberte, New York, N. Y. Dress ensemble. 128,428; July 22.
Autopoint Company. (See Christenson, Trace, Jr., assignor.)
Bair, Julian H., Seattle, Wash. Fountain brush. 128,410; July 22.
Bair, Julian H., Seattle, Wash. Fountain brush. 128,411; July 22.
Bair, Julian H., Seattle, Wash. Fountain brush. 128,412; July 22.
Bausch & Lomb Optical Company. (See Greene, Willard B., assignor.)
Bricco, George G., White Lake, Wis. Combined can perforator and cookie cutter. 128,363; July 22.
Capellazzi, Gildo, Brooklyn, N. Y. Brooch or similar article. 128,413; July 22.
Carl-Art, Inc. (See Loercher, Gustav A., assignor.)
Carnegie, Toni, New York, N. Y. Coat. 128,414; July 22.
Carnegie, Toni, New York, N. Y. Suit. 128,415; July 22.
Carnegie, Toni, New York, N. Y. Dress. 128,429; July 22.
Carnegie, Toni, New York, N. Y. Dress. 128,430; July 22.
Carnegie, Toni, New York, N. Y. Dress. 128,431; July 22.
Carnegie, Toni, New York, N. Y. Dress. 128,432; July 22.
Carnegie, Toni, New York, N. Y. Dress. 128,441; July 22.
Carnegie, Toni, New York, N. Y. Dress. 128,442; July 22.
Christenson, Trace, Jr., Evanston, assignor to Autopoint Company, Chicago, Ill. Mechanical pencil. 128,388; July 22.
Christenson, Trace, Jr., Evanston, assignor to Autopoint Company, Chicago, Ill. Mechanical pencil. 128,389; July 22.
Christenson, Trace, Jr., Evanston, assignor to Autopoint Company, Chicago, Ill. Mechanical pencil. 128,390; July 22.
Christenson, Trace, Jr., Evanston, assignor to Autopoint Company, Chicago, Ill. Mechanical pencil. 128,391; July 22.
Clion, William, Brooklyn, N. Y. Dress. 128,433; July 22.
Clion, William, Brooklyn, N. Y. Dress. 128,443; July 22.
Collins & Aikman Corporation. (See Repp, John J., assignor.)
Cruze, John B., Denver, Colo. Electric lamp. 128,364; July 22.
Daum, Henry F., assignor to The Perfex Company, Tacoma, Wash. Dispensing bottle. 128,365; July 22.
Dean, Arthur F. (See Harris, E. R., and Dean.)
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 128,366; July 22.
Einstein, Henry, New York, N. Y. Brooch or similar article. 128,417; July 22.
Ellmore Silver Company Incorporated, The. (See Malinowski, Harry, assignor.)
Enterprise Manufacturing Company, The. (See Adams, Walter L., assignor.)
Erhard, Gustave F., assignor to The Scranton Lace Company. Scranton, Pa. Table cover or similar article. 128,416; July 22.
Fein, William, New York, N. Y. Vertical strip hamper. 128,367; July 22.
Fontana, Beulah, New York, N. Y. Dress. 128,434; July 22.
Fontana, Beulah, New York, N. Y. Dress. 128,444; July 22.
Franklin, Sylvia, New York, N. Y. Dress. 128,445; July 22.
Franklin, Sylvia, New York, N. Y. Dress. 128,446; July 22.
Franklin, Sylvia, New York, N. Y. Dress. 128,447; July 22.
Franklin, Sylvia, New York, N. Y. Dress. 128,448; July 22.
Franklin, Sylvia, New York, N. Y. Dress. 128,449; July 22.
Fromm, Edward, Hamburg, Wis. Jacket. 128,418; July 22.
Gatrell, Robert M., and E. Littlefield, Columbus, Ohio. Game board or similar article. 128,368; July 22.
General Electric Company. (See Masterson, C. T., and Potter, assignors.)
Gibson Electric Refrigerator Corporation. (See Roth, Joseph N., assignor.)
Gorham Manufacturing Company. (See Price, James R., assignor.)
Gottlieb, Joseph, Deal, N. J. Electric clock. 128,392; July 22.
Greene, Willard B., Watertown, Mass., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Bridge for an opthalmic mounting. 128,393; July 22.
Gross, Harvard W., St. Louis Park, Minn. Parlor game board. 128,369; July 22.
Haase, Wilbert W., assignor to Wilbert W. Haase Co., Forest Park, Ill. Burial vault identification plaque. 128,370; July 22.
Haase, Wilbert W., Co. (See Haase, Wilbert W., assignor.)
Harris, Edward R., Evanston, and A. F. Dean, Barrington, assignors to Stewart-Warner Corporation, Chicago, Ill. Work bench. 128,371; July 22.
Harris, Edward R., Evanston, and A. F. Dean, Barrington, assignors to Stewart-Warner Corporation, Chicago, Ill. Work bench. 128,372; July 22.
Heisey, A. H., & Company. (See Heisey, T. Clarence, assignor.)
Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Glass candle holder or article of similar nature. 128,373; July 22.

Herman, William, Redding, Conn. Puzzle or similar article. 128,374; July 22.
Herman, William, Redding, Conn. Puzzle or similar article. 128,375; July 22.
Herman, William, Redding, Conn. Puzzle or similar article. 128,376; July 22.
Hermann, Winifred, Chicago, Ill. Dress ensemble. 128,450; July 22.
Hermann, Winifred, Chicago, Ill. Dress ensemble. 128,451; July 22.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 128,423; July 22.
Hobgood, Margaret, New York, N. Y. Dress ensemble. 128,435; July 22.
Hobgood, Margaret, New York, N. Y. Dress ensemble. 128,452; July 22.
Hobgood, Margaret, New York, N. Y. Dress ensemble. 128,453; July 22.
Hobgood, Margaret, New York, N. Y. Dress ensemble. 128,454; July 22.
Hobgood, Margaret, New York, N. Y. Dress ensemble. 128,455; July 22.
Horn, Silas R., New York, N. Y. Hamper. 128,377; July 22.
Hoshafian, Lucy, New York, N. Y. Dress. 128,436; July 22.
Hoshafian, Lucy, New York, N. Y. Dress. 128,456; July 22.
Joyce, Faie, Pasadena, Calif. Shoe or similar article. 128,394; July 22.
Kalman, Louis, New York, N. Y. Textile fabric. 128,378; July 22.
Kates, Hyman G., New York, N. Y. Loop anchorage for luggage handles and the like. 128,395; July 22.
Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Refrigerator cabinet. 128,379; July 22.
Lazarus, Sidney, Brooklyn, assignor to Seed Filter & Mfg. Co. Inc., New York, N. Y. Sand glass. 128,396; July 22.
Littlefield, Edgar. (See Gatrell, Robert M.)
Loercher, Gustav A., Greenwood, assignor to Carl-Art, Inc., Providence, R. I. Tie holder. 128,397; July 22.
Majewski, Joseph M., Jr., assignor to F. L. Talge, Kansas City, Mo., doing business as Rival Manufacturing Company. Fruit juice extractor. 128,398; July 22.
Malinowski, Harry, assignor to The Elmore Silver Company Incorporated, Meriden, Conn. Knife or other article of flatware. 128,399; July 22.
Marks, Murray J., New York, N. Y. Beret or similar article. 128,424; July 22.
Masterson, Charles T., East Cleveland, and W. M. Potter, Lyndhurst, Ohio, assignors to General Electric Company. Lighting fixture. 128,380; July 22.
McCoy, Marion, St. Louis, Mo. Dress. 128,457; July 22.
McCoy, Marion, St. Louis, Mo. Dress. 128,458; July 22.
McCoy, Marion, St. Louis, Mo. Dress. 128,459; July 22.
McCoy, Marion, St. Louis, Mo. Dress. 128,460; July 22.
McGillicuddy, Addeline J., New York, N. Y. Transparent overshoe or similar article. 128,419; July 22.
McGillicuddy, Addeline J., New York, N. Y. Transparent overshoe or similar article. 128,420; July 22.
McGillicuddy, Addeline J., New York, N. Y. Transparent overshoe or similar article. 128,421; July 22.
McGillicuddy, Addeline J., New York, N. Y. Transparent overshoe or similar article. 128,422; July 22.
Miller, James B., Webster Groves, Mo. Cable connector. 128,400; July 22.
Moskowitz, Benjamin, New York, N. Y. Envelope 128,437; July 22.
Oppenheimer, Adolph, New York, N. Y. Coat. 128,425; July 22.
Oppenheimer, Helga, Little Neck, L. I., N. Y. Dress. 128,438; July 22.
Oppenheimer, Helga, Little Neck, L. I., N. Y. Dress. 128,461; July 22.
Oppenheimer, Helga, Little Neck, L. I., N. Y. Dress ensemble. 128,462; July 22.
Peck, William F., Snyder, assignor to Spencer Lens Company, Buffalo, N. Y. Colorimeter or the like. 128,401; July 22.
Perfex Company, The. (See Daum, Henry F., assignor.)
Potter, Wentworth M. (See Masterson, C. T., and Potter.)
Price, Edwin P., Chicago, Ill. Bottle. 128,402; July 22.
Price, James R., Cranston, assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 128,403; July 22.
Reilly, Alfred F., North Attleboro, Mass. Cigarette lighter. 128,383; July 22.
Repp, John J., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Textile pile fabric. 128,381; July 22.
Repp, John J., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Textile pile fabric. 128,382; July 22.
Rival Manufacturing Company. (See Majewski, Joseph M., Jr.)
Roth, Joseph N., Belding, Mich., assignor to Gibson Electric Refrigerator Corporation. Combined control and door trim unit for a refrigerator or the like. 128,384; July 22.
Salsky, Samuel, Brooklyn, N. Y. Blouse. 129,404; July 22.
Salsky, Samuel, New York, N. Y. Woven textile fabric. 128,405; July 22.
Scranton Lace Company, The. (See Erhard, Gustave F., assignor.)
Seed Filter & Mfg. Co. Inc. (See Lazarus, Sidney, assignor.)
Shacter, Harry, Westport, Conn. Dress. 128,439; July 22.
Shacter, Harry, Westport, Conn. Dress. 128,463; July 22.
Shacter, Harry, Westport, Conn. Dress. 128,464; July 22.
Shacter, Harry, Westport, Conn. Dress. 128,465; July 22.
Shacter, Harry, Westport, Conn. Dress. 128,466; July 22.
Silson, Victor, New York, N. Y. Brooch or similar article. 128,427; July 22.
Soontup, Abe, New York, N. Y., and J. E. B. Swabacker, Chicago, Ill. Receptacle for receiving and storing blood. 128,406; July 22.
Spencer Lens Company. (See Peck, William F., assignor.)
Stewart-Warner Corporation. (See Harris, E. R., and Dean, assignors.)
Swabacker, John E. B. (See Soontup, A., and Swabacker.)
Talge, Foster L. (See Majewski, Joseph M., Jr., assignor.)
Thrailkill, Orville W., Wellington, Kans. Floor polishing machine or similar article. 128,426; July 22.
Union Steam Pump Company. (See Yohpe, Reinhard A., assignor.)
Vernon, William F., Newton, Iowa. String holder. 128,385; July 22.
Victor Metal Products Corporation. (See Derham, Philip A., assignor.)
Wener, Emmelia, Chicago, Ill. Dress ensemble. 128,440; July 22.
Wener, Emmelia, Chicago, Ill. Dress ensemble. 128,467; July 22.
Wener, Emmelia, Chicago, Ill. Dress ensemble. 128,468; July 22.
Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)
Wheeler, Harvey C., Brookline, Mass. Combined popcorn cabinet and dispenser or similar article. 128,387; July 22.
Wright, John J., Fort Worth, Tex. Lamp. 128,386; July 22.
Yohpe, Reinhard A., assignor to Union Steam Pump Company, Battle Creek, Mich. Homogenizer. 128,407; July 22.
Yohpe, Reinhard A., assignor to Union Steam Pump Company, Battle Creek, Mich. Homogenizer. 128,408; July 22.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. T. Manufacturing Corp. (See Patzer, William, assignor.)
Abbott, Edward J., and W. L. Perry, assignors to Abbott Machine Company, Wilton, N. H. Winding machine. 2,249,735; July 22.
Abbott Machine Company. (See Abbott, E. J., and Perry, assignors.)
Abramson, Alvin A., assignor to Central States Paper & Bag Company, St. Louis, Mo. Covering for doors and similar structures. 2,249,927; July 22.
Adamson Machine Company, The. (See Trishman, H. A., and Andrus, assignors.)
Aeromotive Components Corporation. (See Hagar, Carl W., assignor.)
Agnew, Charles E., West Norriton Township, Montgomery County, Pa. Synthetic ore for blast furnaces. 2,250,213; July 22.
Alco Valve Company. (See Dube, John E., assignor.)
Alexander, Ford I., Whittier, Calif. Casing perforating gun. 2,250,055; July 22.
Alexander, Ford I., Whittier, Calif. Casing perforating gun. 2,250,056; July 22.
Alkan, Robert, Paris, France. Remote control system. 2,250,344; July 22.
Alley, Lyman E. (See Harrison, R. B., and Alley.)
Allison, Sewell W., West Orange, N. J., J. B. McKim, New York, N. Y., and T. D. Robb, Ridgefield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin control circuit. 2,250,173; July 22.
Allison, William M., New York, N. Y., assignor to Oakite Products, Inc. Deodorizing method. 2,250,345; July 22.
Aliquist, John W., and O. Oppenlaender, Rome, Ga., assignors to Tubize Chatillon Corporation, New York, N. Y. Continuous filament formation. 2,249,928; July 22.
American Bowling and Billiard Corporation. (See Bancroft, James E., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Saubestre, Basil F., assignor.)
American Crayon Company, The. (See Oxley, John H., assignor.)
American Cyanamid Co. (See Christmann, L. J., and Jayne, Jr., assignors.)
American Cyanamid Company. (See Kropa, Edward L., assignor.)
American Cyanamid Company. (See Kuh, Erwin, assignor.)
American Cyanamid Company. (See Lento, L. L., and Jayne, assignors.)
American Fork & Hoe Company, The. (See Vickery, Norman P., assignor.)
American Machine and Metals, Inc. (See Rohm, Herbert S., assignor.)
American Seating Company. (See Morgan, Erving B., assignor.)
American Steel and Wire Company of New Jersey, The. (See Sundt, A., and Drahas, assignors.)
American Steel and Wire Company of New Jersey, The. (See Whittum, Gordon R., assignor.)
American Steel Package Company, The. (See Duerk, Karl A., assignor.)
American Stove Company. (See Brumbaugh, Isaac V., assignor.)
Amundson, John, Faulkton, S. Dak. Window operating mechanism. 2,249,998; July 22.
Anderson, Raymond T., Berea, assignor to The V. D. Anderson Company, Cleveland, Ohio. Press. 2,249,724; July 22.
Anderson, Raymond T., Berea, assignor to The V. D. Anderson Company, Cleveland, Ohio. Screw press. 2,249,736; July 22.
Anderson, V. D., Company, The. (See Anderson, Raymond T., assignor.)
Andrus, George S. (See Trishman, H. A., and Andrus.)
Angove, William H., Hazelton, Pa. Garment hanger. 2,250,245; July 22.
Applied Sugar Laboratories, Inc. (See Taussig, C. W., and Roland, assignors.)
Armstrong, George C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermal overload relay. 2,249,804; July 22.
Arnold, Hoffman & Co. Incorporated. (See Mayer, F. W., and Cole, assignors.)
Aron, Edmund, assignor to Moto-Sway Corporation of America, Chicago, Ill. Vehicle lifting and vibrating device. 2,250,321; July 22.
Asaro, Vito, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring assembly for mattresses, cushions, and the like. 2,249,999; July 22.
Asbury, Charles T., Elkins Park, Pa. Oil burner. 2,249,878; July 22.
Ashby, Carl T., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,250,288; July 22.
Ashworth, Harry E., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical control apparatus. 2,250,214; July 22.
Askania-Werke A. G. Vormals Centralwerkstatt-Dessau und Carl Bamberg Friedenau. (See Wünsch, Guido, assignor.)
Associated Pen Corporation. (See Calo, Amilcare, assignor.)
Atkin, Lawrence. (See Schultz, A. S., Atkin, and Frey.)
Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Anode and alloy for making same. 2,250,322; July 22.
Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Cathode construction and lamp embodying the same. 2,250,323; July 22.
Auditorium Conditioning Corporation. (See Ruff, Alonzo, assignor.)
Automatic Control Corporation. (See Garner, Claude M., assignor.)
Automatic Control Corporation. (See Persons, Lawrence M., assignor.)
Axline, Rea A., Forest Hills, H. S. Ingham, Jamaica, and A. P. Shepard, Forest Hills, N. Y. Making negatives in metal of solid objects or surfaces. 2,250,246; July 22.
B. & F. Carter & Company Limited. (See Carter, Ben and E., assignors.)
Babcock & Wilcox Company, The. (See Trainer, James E., assignor.)
Bachman, Charles H., St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Applying fluorescent material in cathode-ray tube manufacture. 2,250,189; July 22.
Bäckström, Sigurd M., assignor to Platen-Munters Refrigerating System, Aktiebolag, Stockholm, Sweden. Refrigerating apparatus. 2,249,737; July 22.
Baker, Albert L. (See Rickerman, J. H., and Baker.)
Baker Castor Oil Company, The. (See Colbeth, Ivor M., assignor.)
Baker, Franklin S., Buffalo, N. Y., deceased; R. M. Baker, administratrix. Structural unit. 2,250,411; July 22.
Baker, Marion, administratrix. (See Baker, Franklin S.)
Baker, Robert S., Detroit, Mich. Band saw guard and guide. 2,250,324; July 22.
Baldwin, Charles C., St. Louis, Mo. Match book. 2,250,000; July 22.
Ballamy, Leslie M., Wallington, and R. H. Sheepshanks, Eyke, Woodbridge, England. Spring suspension for road vehicles. 2,250,247; July 22.
Bancroft, James E., Jamaica, assignor to American Bowling and Billiard Corporation, New York, N. Y. Projector. 2,250,174; July 22.
Barnes, A. C., Company. (See Minaeff, M. G., Greze, and Priepke, assignors.)
Barnes, Eugene L., Buffalo, N. Y. Thermal device. 2,250,325; July 22.
Barrell Associates Incorporated. (See Barrell, Charles, assignor.)
Barrell, Charles, Hollis, assignor to Barrell Associates Incorporated, Jamaica, N. Y. Resin base water paint. 2,250,346; July 22.
Barrett, Edward R., assignor to Gar Wood Industries, Inc., Detroit, Mich. Material excavating, loading, transporting, and placing machine. 2,250,280; July 22.
Barrow, Hepburn and Gale Limited. (See Cross, Walter T., assignor.)
Bassick Company, The. (See Herold, Walter F., assignor.)
Baumgärtner, Wilhelm, Brunswick, Germany, assignor, by mesne assignments, to Sherka Chemical Co. Inc., Bloomfield, N. J. Roll film camera. 2,249,929; July 22.
Bailey, Charles S., and H. A. Reynolds, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich. Water pump seal. 2,249,930; July 22.
Barney, Harold J., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Indicating and control circuits. 2,249,931; July 22.

Baxendale, Samuel, Dearborn, assignor to Modern Collet & Machine Company, Ecorse, Mich. Stock feeding means for hollow rotary spindles. 2,250,088; July 22.
Beal, Francis R., Port William, Ohio. Door control. 2,249,932; July 22.
Bean, Charles L., et al. (See Grube, Russell S., assignor.)
Bear, Paul S., and H. E. Bucklen, assignors to Bucklen-Bear Laboratories, Inc., Elkhart, Ind. Switch. 2,250,001; July 22.
Bechmann, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Piezoelectric plate. 2,249,933; July 22.
Bechtol, Archie H., Daytona Beach, Fla. Amusement apparatus control. 2,249,805; July 22.
Beckwith Manufacturing Company. (See Harrison, R. B., and Alley, assignors.)
Beech-Nut Packing Company. (See Wooten, Carrol R., assignor.)
Been, Amos H., Henryetta, Okla. Animal trap. 2,250,347; July 22.
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Protection means for water wall furnaces. 2,249,934; July 22.
Beier, Kurt A., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Fluid sealing device. 2,250,348; July 22.
Bell, George B., Jr. (See Gifford, Lester R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Allison, S. W., McKim, and Robb, assignors.)
Bell Telephone Laboratories, Incorporated. (See Barney, Harold L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cash, Claude C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cole, Ira E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ferguson, Lawrence, assignor.)
Bell Telephone Laboratories, Incorporated. (See Fuller, Calvin S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hubbard, Francis A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ingram, Sydney B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lakatos, Emory, assignor.)
Bell Telephone Laboratories, Incorporated. (See Morrison, John F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Nelson, Stanley F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Rehm, Theodore C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Teal, Gordon K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilson, Ira G., assignor.)
Bellamy, Harry T. (See Wright, David, assignor.)
Bendix Aviation Corporation. (See Reichel, Wladimir A., assignor.)
Benedek, Elek K., Bucyrus, Ohio. Variable delivery pump or motor. 2,250,147; July 22.
Berg, Martin, New York, N. Y. Pocket tool. 2,250,290; July 22.
Berger, Samuel I., assignor to Unique Art Manufacturing Co., Inc., Newark, N. J. Aerial effect toy. 2,250,215; July 22.
Bergh, Carl. (See McKune, F., and Bergh.)
Berglund, Charles V., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,250,248; July 22.
Bergmann, Richard F. (See Torrence, G. P., Bergmann, and Knebusch.)
Bergstein, Frank D. (See Bergstein, Robert M., assignor.)
Bergstein, Robert M., Cincinnati, Ohio, assignor, by mesne assignments, to himself and F. D. Bergstein, as trustees. Container. 2,250,249; July 22.
Berquist, David, McKeesport, Pa., assignor to National Tube Company. Lubricating device. 2,250,349; July 22.
Berry, Walter, Greensboro, N. C. Razor. 2,250,350; July 22.
Bessler, Stanley F. (See Bessler, William J., assignor.)
Bessler, William J., assignor of one-half to S. F. Bessler, Massillon, Ohio. Changeable exhibitor. 2,249,879; July 22.
Bestest Products, Inc. (See Sutton, Charles Z., assignor.)
Biermanns, Josef, Berlin-Friedrichshagen, Germany, assignor to General Electric Company. Electric switch. 2,250,216; July 22.
Bingham, Samuel H., Jr., Chicago, Ill., and G. J. Higgins, Detroit, Mich.; said Higgins assignor to said Bingham. Flying target. 2,250,252; July 22.
Binks Manufacturing Company. (See MacMartin, William B., assignor.)
Birtcher, Cecil J., Alhambra, Calif. Electrode means for use in short-wave diathermy treatment. 2,249,935; July 22.
Birtcher, Cecil J., Alhambra, Calif. Disposable absorbent pad for diathermy applicators. 2,249,936; July 22.
Birtman Electric Company. (See Sparklin, Charles H., assignor.)
Bjarnson, William L., North Bend, Oreg. Fire hose clamp. 2,250,122; July 22.
Blagden, George S., Memphis, Tenn. Outdoorman's coat. 2,249,725; July 22.
Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,250,176; July 22.
Blake, George A., New Bedford, Mass. Dispensing apparatus. 2,250,351; July 22.
Blaski, John F., Chicago, Ill. Trussless roof construction. 2,250,175; July 22.
Blersch, Otto, Richmond, Va. Garment bag rack. 2,250,251; July 22.
Block, Walter W., Kenosha, Wis. Curtain stretcher. 2,250,057; July 22.
Boccasile, Nicholas, Springfield, Mass. Floor washing machine. 2,250,177; July 22.
Boehm, William S., Detroit, Mich., assignor to Lincoln Engineering Company, St. Louis, Mo. Lubricant-carrying means. 2,250,123; July 22.
Boehne, Eugene W., Drexel Hill, Pa., assignor to General Electric Company. Circuit-interrupting system. 2,250,217; July 22.
Boeing Aircraft Company. (See Emery, E. G., and Patten, assignors.)
Boeing Aircraft Company. (See Price, Nathan C., assignor.)
Bogner, Peter, assignor to Saml. Hanson & Son Limited, London, England. Seaming apparatus. 2,250,002; July 22.
Bogoslowsky, Boris, New York, N. Y. Pump. 2,249,806; July 22.
Bohn, Karl F., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Spot welder tip. 2,249,937; July 22.
Bolcom, Clarence A., Ionia, Mich. Air conditioning device. 2,250,352; July 22.
Bomberger, George E., and H. H. Niederauer, assignors to Inland Container Corporation, Indianapolis, Ind. Printing plate anchorage. 2,249,938; July 22.
Bonnet, Philippe H., Boston, and H. Zellick, Revere, Mass.; said Bonnet assignor to said Zellick. Sofa or divan. 2,250,148; July 22.
Bonsack, Walter, South Euclid, assignor to The National Smelting Company, Cleveland, Ohio. Aluminum alloys. 2,249,740; July 22.
Boosey, Edward W. N., Detroit, Mich. Vacuum breaker for water systems. 2,250,291; July 22.
Booth, Earl C. (See Nobiltt, Q. G. and Booth.)
Borg Warner Corporation. (See Reed, Harold V., assignor.)
Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)
Bouchelle, William T., assignor to The Lord Baltimore Press, Baltimore, Md. Combined shipping and display package. 2,249,881; July 22.
Bowen, John E., Detroit, assignor to Great Lakes Steel Corporation, Ecorse, Mich. Structural member. 2,250,253; July 22.
Bowers, Frank, Detroit, and H. E. Brelsford, Birmingham, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 2,249,741; July 22.
Bowser, S. F., & Company. (See Carroll, William M., assignor.)
Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor stepup. 2,250,292; July 22.
Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Window cornice. 2,250,003; July 22.
Boye, James H., Manufacturing Company. (See Boye, James H., assignor.)
Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,250,254; July 22.
Bradford, Arthur J. (See Ditty, Allan V., and Bradford.)
Brammer, Harry, Leeds, England. Laminated driving belt. 2,249,726; July 22.
Branan, Alfred F., Niles Center, Ill. Hose decorating method and apparatus. 2,249,939; July 22.
Braunwalder, John. (See Meyer, Elsie, and Braunwalder.)
Brelsford, Harry E. (See Bowers, F., and Brelsford.)
Bridges, William S. (See Naumann, H. O., and Bridges.)
Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)
Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)
Brock, Macon A., and H. W. Winkle, Rome, Ga. Transfer mold and process. 2,250,353; July 22.
Brock, Macon A., and H. W. Winkle, Rome, Ga. Transfer mold. 2,250,354; July 22.
Brooks, Phillips, New York, N. Y. Dental implement. 2,250,058; July 22.
Brooks, Stephen H., assignor to New York Tank Co., New York, N. Y. Symmetrically shaped and easily duplicated pressure tank. 2,250,250; July 22.
Brostrom, Charles G., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Automatic edge setting machine. 2,249,742; July 22.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Harness motion. 2,250,412; July 22.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Adjustable back box plate. 2,250,413; July 22.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shuttle box. 2,250,414; July 22.
Brown, Leo H., New York, N. Y. Gun sight. 2,250,179; July 22.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Controlling mechanism for agricultural implements. 2,249,807; July 22.
Brownell, George T., and W. J. Woodhams, Marshall, Mich. Method and apparatus for treating sewage. 2,249,739; July 22.
Brownfield, John H., United States Navy. Rheostat control. 2,249,738; July 22.
Browning, James E., assignor to Browning Laboratories, Inc., San Antonio, Tex. Nursing bottle holder. 2,249,880; July 22.
Browning Laboratories, Inc. (See Browning, James E., assignor.)
Brubaker, Wilson M. (See Slepian, J., Toepfer, and Brubaker.)
Bruck, Josef, Tabor, Bohemia. Packing for insulators in sparking plugs. 2,250,355; July 22.
Brumbaugh, Isaac V., assignor to American Stove Company, St. Louis, Mo. Gas cock. 2,250,356; July 22.
Brush, Abbott P., Greenwich, Conn. Cigarette holder. 2,250,178; July 22.
Buchanan, Leslie B. M., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling apparatus for compressors. 2,249,882; July 22.
Bucklen-Bear Laboratories, Inc. (See Bear, P. S., and Bucklen, assignors.)
Bucklen, Herbert E. (See Bear, P. S., and Bucklen.)
Bucknam, Elroy J., Toronto, Ontario, Canada. Saw sharpening apparatus. 2,249,743; July 22.
Buffalo Electro-Chemical Company. (See Noder, Anna, assignor.)
Buhler Brothers. (See Hummel, Charles, assignor.)
Bulford, Murray N., Clearwater, S. C., assignor to United Merchants & Manufacturers, Inc., New York, N. Y. Textile printing apparatus. 2,250,089; July 22.
Bulloch, David C., London, England. Prevention of ice formation on the wings or other parts of aircraft. 2,249,940; July 22.
Bünger, Walter, Berlin-Zehlendorf, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Contrast control for television systems. 2,250,293; July 22.
Burk, Robert E., and E. C. Hughes, Cleveland Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Hydrocarbon catalysis process. 2,250,415; July 22.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Utilization of normally gaseous hydrocarbons. 2,250,416; July 22.
Burtner, Robert R., Niles Center, Ill., assignor to G. D. Searle & Co. Anesthetic preparation. 2,250,004; July 22.
Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Anesthetic compounds. 2,250,005; July 22.
Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Anesthetic compounds. 2,250,006; July 22.
Burton, John, Edgbaston, Birmingham, England. Tubular and other metal scaffolding and like structures. 2,249,941; July 22.
Bush, A. G. (See Criner, Harry J., assignor.)
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for tuning high frequency oscillation circuits. 2,250,090; July 22.
Butler, Delma A., Easton, Md. Steel wool holder. 2,249,727; July 22.
Buttigieg, Lawrence, San Francisco, Calif. Bag turning and lining machine. 2,250,149; July 22.
Byron Jackson Co. (See Hollander, A., and Hoover, assignors.)
Cable and Wireless Limited. (See Warburton, Fred, assignor.)
Cadous, Esther, Brooklyn, N. Y. Pantie. 2,250,218; July 22.
Callender's Cable and Construction Company Limited. (See Osborne, T. L., and Vincent, assignors.)
Calo, Amilcare, North Arlington, N. J., assignor to Associated Pen Corporation, New York, N. Y. Fountain pen. 2,250,180; July 22.
Cameron, Roland A., Ottowa, Ontario, Canada. Ice cream dispensing device. 2,250,150; July 22.
Campbell, George B., Manhasset, and F. Porter, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Dehydration of maleic acid. 2,250,091; July 22.
Campbell, Richard L., Hasbrouck Heights, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Television system and synchronizing means therefor. 2,249,942; July 22.
Campbell, Richard L., Hasbrouck Heights, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Synchronizing system. 2,249,943; July 22.
Campion, George H., assignor to Teletype Corporation, Chicago, Ill. Braking device. 2,250,007; July 22.
Capewell Manufacturing Company, The. (See Morgan, Porter S., assignor.)
Carbide and Carbon Chemicals Corporation. (See Murray, Irvin L., assignor.)
Carborundum Company, The. (See Williamson, John A., assignor.)
Carliss, Oswald S., Fairfield, assignor to The Kron Company, Bridgeport, Conn. Weighing and counting scale. 2,250,294; July 22.
Carlson, John E., Beresford, S. Dak. Attachment for planters. 2,249,883; July 22.
Carnegie Institute of Technology of Pittsburgh, Pennsylvania. (See Juettner, Bernard, assignor.)
Carney, Samuel C.—Bartlesville, Okla., assignor to Phillips Petroleum Company. Degassing liquids. 2,249,884; July 22.
Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating hydrocarbon gases and liquids. 2,249,885; July 22.
Carroll, William M., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Fluid dispensing apparatus. 2,250,326; July 22.
Carter, Ben and E., assignors to B. & F. Carter & Company Limited, Bolton, England. Manufacture of covered flexible cordlike bodies. 2,250,008; July 22.
Carter Carburetor Corporation. (See Boyce, Leonard D., assignor.)
Carter Coal Company. (See Work, L. T., and Zetterstrand, assignors.)
Carter, Eric. (See Carter, Ben and E.)
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro vertical. 2,249,744; July 22.
Carter, Samuel C., Los Angeles, Calif. Plug valve. 2,250,124; July 22.
Cash, Claude C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Drainage system. 2,249,808; July 22.
Castroviejo, Ramon. (See Longoria, Antonio, assignor.)
Cavalero, John V., Bloomfield, N. J. Bank and magazine. 2,249,944; July 22.
Celanese Corporation of America. (See Dickie, W. A., and Taylor, assignors.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Central Commercial Company. (See Manatt, James, assignor.)
Central States Paper & Bag Company. (See Abramson, Alvin A., assignor.)
Century Oxford Manufacturing Corp. (See Vitolo, Louis, assignor.)
Challet, Etienne, Paris, assignor of one-fourth to Entreprises Electriques Fribourgeoises, Fribourg, France. Electric range. 2,250,357; July 22.
Chapman, Verni J., Schenectady, N. Y., assignor to General Electric Company. Welding apparatus. 2,250,219; July 22.
Charch, William H., Buffalo, and W. F. Underwood, Amherst, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic structures and producing same. 2,249,745; July 22.
Chase, George C., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Division stop mechanism for calculators. 2,250,403; July 22.
Cheeseman, Evans W. (See Focke, T. B., and Cheeseman.)
Chemical Foundation, Incorporated. (See Hixon, A. W., and Miller, assignors.)
Chisholm, Charles F., Sparta, N. J. Apparatus useful in measuring engine performance. 2,250,125; July 22.
Christmann, Ludwig J., Bronxville, and D. W. Jayne, Jr., Port Chester, assignors to American Cyanamid Co., New York, N. Y. Flotation frother. 2,250,190; July 22.
Ciba Pharmaceutical Products, Incorporated. (See Oppenauer, R., Kaegi, and Miescher, assignors.)
Cirillo, John, New York, N. Y. Permanent waver. 2,250,358; July 22.
Cities Service Oil Company. (See Wydler, Johann J., assignor.)
Clark, David M., Worcester, Mass. Elastic fabric. 2,250,359; July 22.
Clark Thread Company, The. (See Thomas, Frederick W., assignor.)
Clark, William W., Salisbury, N. C. Cane and cornstalk stripper. 2,250,151; July 22.
Clipp, Peter L., Cedaredge, Colo. Moth trap for beehives. 2,250,152; July 22.
Cloutier, Joseph V., Berlin, N. H. Hydraulic brake holding mechanism. 2,250,220; July 22.
Coach & Car Equipment Company. (See Owler, Thomas D., assignor.)
Coble, John L., Aliquippa, Pa. Exothermic insulating compound. 2,250,009; July 22.
Cockrell, William D. (See Shoults, D. R., and Cockrell.)
Cohn, Sam P., San Francisco, Calif. Paper box. 2,250,010; July 22.
Colbeth, Ivor M., East Orange, assignor to The Baker Castor Oil Company, Jersey City, N. J. Apparatus for treating liquids. 2,249,746; July 22.
Cole, Elliott D. (See Mayer, F. W., and Cole.)
Cole, Ira E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulating system. 2,249,747; July 22.
Coleman, Louis, Park Ridge, N. J. Water carbonating apparatus. 2,250,295; July 22.
Colgate-Palmolive-Peet Company. (See Colgate, R. B., and Dreger, assignors.)

Colgate, Robert B., Huntington, N. Y., and E. E. Dreger, Summit, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Purifying organic materials. 2,250,092; July 22.
Collier-Keyworth Company. (See Sheldrick, Henry W., assignor.)
Columbian Rope Company. (See Dodge, Milo C., assignor.)
Commerce Pattern Foundry & Machine Company. (See Upton, Richard C., assignor.)
Compagnie Nationale de Matieres Colorantes et Manufacturers de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann. (See Kopp, G., and Gangneux, assignors.)
Comroe, Albert B., New York, N. Y. Novelty folder. 2,250,093; July 22.
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Cooper Oven Thermometer Company, The. (See Nodine, Frederick A., assignor.)
Cooper, Roy L., Erie, Ill. Airplane package transfer apparatus. 2,250,153; July 22.
Corn Products Refining Company. (See Hagen, Carl, assignor.)
Corn Products Refining Company. (See Sturken, Oswald C. H., assignor.)
Cornibert, Charles A., Bayside, N. Y., and H. J. Levi, Los Angeles, Calif. Garment for ladies. 2,250,094; July 22.
Courtaulds, Limited. (See Hegan, Horace J., assignor.)
Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Purifying trimethylolnitromethane. 2,250,255; July 22.
Cox, Richard F. B., assignor to Hercules Powder Company, Wilmington, Del. Producing trimethylolnitromethane. 2,250,256; July 22.
Cram, Charles C., assignor to L. R. Temple Company, Portland, Oreg. Combination burner controller. 2,250,360; July 22.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Fluid operated clutch mechanism. 2,250,327; July 22.
Crocker, George H., Lansdowne, Pa., assignor to Newton Supply Company. Automatic stoker. 2,250,181; July 22.
Crooks, Ralph K., Sharpsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,250,191; July 22.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Wave control and control circuit. 2,250,095; July 22.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation. 2,250,296; July 22.
Croskey, Carl D., and D. H. Rowland, assignors to Locke Insulator Corporation, Baltimore, Md. Insulator. 2,250,044; July 22.
Cross, Walter T., Sale, assignor to Barrow, Hepburn and Gale Limited, London, England. Collapsible container such as a suitcase, attaché case, or the like. 2,250,126; July 22.
Cross, Winfield W., Tucson, Ariz. Inclinograph. 2,249,728; July 22.
Crown Cork & Seal Company. (See Schon, Matthew, assignor.)
Cullinan, Charles V., Cleveland, Ohio. Portable holder. 2,250,361; July 22.
Cuthbertson, George R., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Manufacture of expanded rubber products. 2,250,192; July 22.
Cutting Room Appliances Corp. (See Gilbert, Herman W., assignor.)
Dailey, Raymond W. (See Gentry, James H., assignor.)
Dane, Elisabeth, Munich, Germany, assignor to Schering Corporation, Bloomfield, N. J. Compounds of the cyclopentanopolyhydrophenanthrene series and making the same. 2,249,748; July 22.
Daniels, Ralph E., Miami, Fla., assignor to Swank, Inc. Pocket article device. 2,250,328; July 22.
Dannenberg, Kurt, Islington, London, England. High tension fuse. 2,249,945; July 22.
Darrah, Carl W., and H. A. Reynolds, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Car heater. 2,249,946; July 22.
Dayton, Cleveland H., Champaign, Ill. Thermal control. 2,249,886; July 22.
Dayton, Cleveland H., Champaign, Ill. Thermostat trip device. 2,249,887; July 22.
Dayton, Ernest L., Detroit, Mich. Sealing means for hydraulic valve tappet construction and the like. 2,250,011; July 22.
Dean, John R., assignor to Warner Jewelry Case Company, Buffalo, N. Y. Jewelry box. 2,250,433; July 22.
Deere & Company. (See Brown, Theophilus, assignor.)
Deere & Company. (See Silver, Walter H., assignor.)
Deere & Company. (See White, Charles H., assignor.)
Deger, Thomas E., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Separation of amines. 2,249,816; July 22.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Wilmington, Del. Breaking petroleum emulsions. 2,250,403; July 22.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,250,404; July 22.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,250,405; July 22.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,250,406. July 22.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd. Wilmington, Del. Breaking petroleum emulsions. 2,250,407; July 22.
De Jur-Amsco Corporation. (See James, Maxwell, assignor.)
Delaware Engineering Corporation. (See Moore, William E., assignor.)
Derungs, Ernest A., Neuilly-sur-Seine, France. Electrical control device for clutch and gear mechanisms. 2,250,221; July 22.
Detroit Brass & Malleable Works. (See Rutherford, F. H., and Whitmarsh, assignors.)
Detroit Edison Company, The. (See Nelles, John S., assignor.)
Detroit Stoker Company. (See Beers, Royce L., assignor.)
Diamond Power Specialty Corporation. (See Bowers, F., and Breisford, assignors.)
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,249,749; July 22.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dickie, William A., and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of staple fiber yarns or like products from continuous filaments. 2,249,809; July 22.
Dickson, Clifford C., assignor to The Fritz-Cross Company, St. Paul, Minn. Chair. 2,249,750; July 22.
Di Cosmo, Pasquale, V. (See Simon, L. E., and di Cosmo.)
Dircksen, Arnold D. (See Roper, J. M., and Dircksen.)
Distillers Company Limited, The. (See Stanley, H. M., and Dymock, assignors.)
Dittus, Frederick W. (See Goodner, E. F., and Dittus.)
Ditty, Allan V., Detroit, and A. J. Bradford, Groose Pointe Park, assignors to Motion Picture Engineering Co., Detroit, Mich. Picture projector apparatus. 2,250,297; July 22.
Ditty, Allan V., Detroit, and A. J. Bradford, Grosse Pointe Park, assignors to Motion Picture Engineering Co., Detroit, Mich. Photograph projector plate. 2,250,298; July 22.
Dodge, Milo C., assignor to Columbian Rope Company, Auburn, N. Y. Moldable plastic composition. 2,249,888; July 22.
Doe, Thomas B., New York, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,249,947; July 22.
Doll, Henri G., Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex. Arrangement for measuring temperatures at a distance, particularly in boreholes. 2,249,751; July 22.
Donaldson Company. (See Lowther, Wilfred W., assignor.)
Doran, Wilbur J. (See Shonle, H. A., and Doran.)
Dornier, Claude, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany. Cooler plant for aircraft. 2,249,948; July 22.
Dornier-Werke G. m. b. H. (See Dornier, Claude, assignor.)
Dornvan Corporation, The. (See Van Dorn, Herbert E., assignor.)
Dotson, Donald O., Adams County, Iowa. Vehicle wheel. 2,249,889; July 22.
Douglas, H. A., Mfg. Co. (See Penfold, Charles S., assignor.)
Douglass, Frederick G., Laurelton, N. Y., assignor, by mesne assignments, to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for applying edging to shoe soles. 2,249,810; July 22.
Dow Chemical Company, The. (See Moyle, Clarence L., assignor.)
Dow Chemical Company, The. (See Reinhardt, R. C., and Reilly, assignors.)
Downing, Herman W., Baltimore, Md., assignor to The Oil Clarifier Corporation. Oil filter. 2,250,299; July 22.
Doyle, Thomas J., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for applying edge-binding strips. 2,249,811; July 22.
Drahas, Joseph A. (See Sundt, A., and Drahas.)
Draper Corporation. (See Brown, Carl D., assignor.)
Dreger, Emil E. (See Colgate, R. B., and Dreger.)
Driver, Wilbur B., et al. (See Van Sant, Victor H., assignor.)
Dröge, Gerard G. J., Tilburg, Netherlands. Making porcelain dental appliances. 2,249,890; July 22.
Dube, John E., assignor to Alco Valve Company, St. Louis, Mo. Expansion valve. 2,250,362; July 22.
Du Bois, Arthur E. (See Johnston, F. H., and Du Bois.)
Duerk, Karl A., Richland Township, Defiance County, assignor to The American Steel Package Company, Defiance, Ohio. Variable electrical condenser and method of manufacture. 2,250,329; July 22.
Dugaw, Eugene, Tacoma, Wash. Combination nail set and patch hole making tool. 2,250,434; July 22.
Du Mont, Allen B., Laboratories, Inc. (See Campbell, Richard L., assignor.)

Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Spring support for hand tools. 2,249,812; July 22.
Du Pont, E. I., de Nemours & Company. (See Charch, W. H., and Underwood, assignors.)
Du Pont, E. I., de Nemours & Company. (See Ellsworth, D. C., and Hahn, assignors.)
Du Pont, E. I., de Nemours & Company. (See Finzel, Theron G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hulse, Robert E., assignor.)
Du Pont, E. I., de Nemours, & Company. (See Weber, Arthur G., assignor.)
Du Pont, Richard C., Wilmington, Del. Method and apparatus for delivering articles to and picking articles up from ships. 2,249,752; July 22.
Dyer, Lloyd W., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,249,813; July 22.
Dymock, John B. (See Stanley, H. M., and Dymock.)
Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)
Eastman Kodak Company. (See Malm, C. J., and Kirton, assignors.)
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Eastwood, Abraham B., Abington, assignor to Wallace Abrasive Machinery Company, Philadelphia, Pa. Cut-off machine. 2,249,814; July 22.
Eastwood, Harry F., Merrick, and E. A. Schryber, Lynbrook, assignors to Tilco-Fin, Inc., Brooklyn, N. Y. House heating system. 2,250,330; July 22.
Eaton, Lorimer A. (See Petermann, George A., assignor.)
Eddy, William H., Downers Grove, assignor to Teletype Corporation, Chicago, Ill. Web guide. 2,250,012; July 22.
Edwards, Ralph, Osceola, Ind. Cream separator. 2,250,363; July 22.
Eissner, Erich, Chemnitz, and A. Verbeck, Wuestenbrand, Germany, assignors to Kallo, Inc., New York, N. Y. Hosiery. 2,250,257; July 22.
Ekman, Olof I. H., Stockholm, and H. T. Nicou, Angby, near Stockholm, Sweden. Electric alarm system. 2,249,891; July 22.
Elliott, Harold F., Palo Alto, Calif. Electric control apparatus. 2,249,753; July 22.
Ellsworth, Deane C., deceased, by J. F. Haskins, administrator, Wilmington, Del., and F. C. Hahn, Upper Montclair, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Low substituted alkyl cellulose ether. 2,249,754; July 22.
Ely, Neil, Trenton, N. J., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring assembly or unit. 2,250,013; July 22.
Emery, Elliott G., Jr., and H. T. Patten, Jr., assignors, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash. Convertible seat and berth arrangement. 2,250,193; July 22.
Emsco Derrick & Equipment Company. (See Mansfield, Warren M., assignor.)
Emsco Derrick & Equipment Company. (See Webster, Samuel W., assignor.)
Engbert, Willi, Berlin-Zehlendorf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Resonant system for ultra short waves. 2,250,096; July 22.
Ennis, George H., assignor of one-half to R. V. Funk, Long Beach, Calif. Apparatus for testing and sampling well fluid. 2,249,815; July 22.
Enoz Chemical Company. (See Rich, Hyman R., assignor.)
Enterprises Electriques Fribourgeoises. (See Challet, Etienne, asssignor.)
Envelope Machine Corp. (See Mattera, John A., assignor.)
Esbeck, Leonard M., Denver, Colo. Traffic signal. 2,250,154; July 22.
Ettinger, Joe J., Warsaw, Ind., assignor to Zimmer Manufacturing Company. Fracture reduction and retention device. 2,250,417; July 22.
Farney, Leo D., Chicago, Ill. Slide closure. 2,250,059; July 22.
Fathauer, Walter F., Highland Park, assignor to General Electric X-ray Corporation, Chicago, Ill. Space charge compensation. 2,250,301; July 22.
Ferguson, Alvey, Company, The. (See Smith, Donald P., assignor.)
Ferguson, C. H. (See Locke, McC. and G. J., assignors.)
Ferguson, John, Cleveland, Ohio. Rotary electric furnace. 2,250,155; July 22.
Ferguson, Lawrence, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical connection. 2,250,156; July 22.
Fernseh Aktiengesellschaft. (See Bünger, Walter, assignor.)
Fernseh G. m. b. H. (See Schwarzer, Egon, assignor.)
Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Curb template. 2,250,222; July 22.
Feustel, Ernest A., Hasbrouck Heights, N. J. Yarn cleaner. 2,250,157; July 22.
Feustel, Ernest A., Hasbrouck Heights, N. J. Yarn carrier. 2,250,158; July 22.
Fiedler, Max G., Chester, assignor to Fiedler-Sellers Corporation, Philadelphia, Pa. Engine and fueling the same. 2,250,364; July 22.
Fiedler-Sellers Corporation. (See Fiedler, Max G., assignor.)
Fingado, Gustav A., Hohokus, and H. Ludwig, Cliffside, N. J., assignors to Julius Schmid Inc., New York, N. Y. Treating thin rubber articles. 2,249,755; July 22.
Finlay, Reginald G., Bolney Trevor, Shiplake, England. Footstool adapted for use with sanitary closets. 2,250,060; July 22.
Finzel, Theron G., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process. 2,249,756; July 22.
Firestone, Floyd A., Ann Arbor, Mich., assignor, by mesne assignments, to Hammond Instrument Company, Chicago, Ill. Musical instrument. 2,250,258; July 22.
Fischer, William H., Des Plaines, Ill., assignor to Knapp-Monarch Company, St. Louis, Mo. Switch. 2,249,949; July 22.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Door locking system. 2,250,014; July 22.
Fitzurka, John L., Pittsburgh, Pa. Airplane wing. 2,249,729; July 22.
Flett, Lawrence H., Hamburg, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Alkyl hydroxy aromatic sulphonate. 2,249,757; July 22.
Florsheim, Harold M. (See White, J. J., and Florsheim.)
Florsheim Shoe Company, The. (See White, J. J., and Florsheim, assignors.)
Flynn, Arthur E., Halifax, Nova Scotia, Canada. Apparatus for the separation of minerals. 2,250,365; July 22.
Focke, Theodore B., Cleveland Heights, and E. W. Cheeseman, assignors to Perfection Stove Company, Cleveland, Ohio. Thermostatic lock for the closures of combustion apparatus or the like. 2,250,045; July 22.
Food Devices Incorporated. (See Thoms, Charles D., assignor.)
Foote, Bradford, Jr., River Forest, Ill. Speed reducing gearing. 2,250,259; July 22.
Fowler, Bert F., assignor to The Studebaker Corporation, South Bend, Ind. Air conditioning system. 2,250,260; July 22.
Fraas, Richard, Keene, Calif. Cleaner for dust mops. 2,250,015; July 22.
Frey, Charles N. (See Schultz, A. S., Atkin, and Frey.)
Frisbee, Randolph W., Atlanta, Ga. Radio frequency tuner unit. 2,250,366; July 22.
Fritz-Cross Company, The. (See Dickson, Clifford C., assignor.)
Fromm, Herbert, Hamburg, Wis. Fruit juice extractor. 2,249,817; July 22.
Fuller, Calvin S., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preparing linear polyesters. 2,249,950; July 22.
Fulton, Harry E., Bernardsville, N. J. Chair fastener. 2,249,892; July 22.
Fulton, William H., assignor of one-third to M. S. Kingston, one-third to E. Metcalfe, and one-third to himself, Virginia, Minn. Energy transmission means. 2,249,951; July 22.
Funk, Robert V. (See Ennis, George H., assignor.)
Funk, Truman B., assignor to "Yard-Man", Inc., Jackson, Mich. Power lawn mower. 2,250,418; July 22.
Funke, Albert. (See Hardt, A., Funke, and Köcher.)
Gagnier, George F. (See Place, Bion C., assignor.)
Gangeux, René E. M. (See Kopp, G., and Gangeux.)
Gardner, Emmet G. (See Moon, H. J., and Gardner.)
Garner, Claude M., University City, assignor to Automatic Control Corporation, St. Louis, Mo. Magnetic blowout. 2,250,016; July 22.
Gary Screw & Bolt Company. (See Wintle, Alfred J., assignor.)
Gasoline Products Company. (See Rickerman, J. H., and Baker, assignors.)
Gavin, Arthur E., Huntington Park, Calif. Film splicer. 2,250,194; July 22.
General Aniline & Film Corporation. (See Hardt, A., Funke, and Köcher, assignors.)
General Aniline & Film Corporation. (See Heyna, Johannes, assignor.)
General Aniline & Film Corporation. (See Mueller, Joachim, and Muenster, assignors.)
General Aniline & Film Corporation. (See Nissen, Hans F., assignor.)
General Cable Corporation. (See Sonnenfeld, Hugo, assignor.)
General Electric Company. (See Biermanns, Josef, assignor.)
General Electric Company. (See Boehne, Eugene W., assignor.)
General Electric Company. (See Chapman, Verni J., assignor.)
General Electric Company. (See Hermann, Benjamin R., assignor.)
General Electric Company. (See Leeds, R. E., and Pirani, assignors.)
General Electric Company. (See Matusita Yosio, assignor.)

General Electric Company. (See Root, Charles S., assignor.)
General Electric Company. (See Schneider, Elbert D., assignor.)
General Electric Company. (See Schulz, Erhard, assignor.)
General Electric Company. (See Shoults, D. R., and Cockrell, assignors.)
General Electric Company. (See Smith, Sidney R., Jr., assignor.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric X-Ray Corporation. (See Atlee, Zed J., assignor.)
General Electric X-ray Corporation. (See Fathauer, Walter F., assignor.)
General Motors Corporation. (See Bailey, C. S., and Reynolds, assignors.)
General Motors Corporation. (See Bohn, Karl F., assignor.)
General Motors Corporation. (See Darrah, C. W., and Reynolds, assigners.)
General Motors Corporation. (See Gerstung, George W., assignor.)
General Motors Corporation. (See Holmes, John R., assignor.)
General Motors Corporation. (See Mccorney, David B., assignor.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
Gentry, James H., Philadelphia, Pa., assignor of one-half to R. W. Dailey, Haddon Heights, N. J. Multiple negative duplicator. 2,249,730; July 22.
Gerstung, George W., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Heat exchanger. 2,249,952; July 22.
Gifford, Lester R., St. Louis, assignor of one-half to G. B. Bell, Jr., Clayton, Mo. Sheet piling. 2,249,818; July 22.
Gilbert, Herman W., Kew Gardens, assignor to Cutting Room Appliances Corp., New York, N. Y. Unwinding machine. 2,250,367; July 22.
Gill, James C., et al. (See Sigler, Laurence M., assignor.)
Gill, Kathryn B., et al. (See Sigler, Laurence M., assignor.)
Gill, Kenneth A., assignor of one-half to H. H. Van Loan, Hunter, N. Y. Automatic ignition circuit breaker. 2,249,893; July 22.
Gillette Safety Razor Company. (See Hanley, John A., assignor.)
Gilmore, Edward E., Stockton, Calif. Loom harness control. 2,250,061; July 22.
Gilstrap, James E., Macon, Mo. Rural mailbox door latch. 2,249,731; July 22.
Goldberg, Herman, Chicago, Ill. Nut tapping machine. 2,249,758; July 22.
Goldenstein, Bernardo, Buenos Aires, Argentina. Universal electrode holder for diathermic applications. 2,249,894; July 22.
Goldsmith, Bertram J., Neshanic, N. J. Narrow tubular fabric. 2,250,261; July 22.
Good, Paul E., Riverton, N. J. Tube cleaner motor. 2,250,368; July 22.
Goodner, Ernest F., and F. W. Dittus, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Fire foam producing composition. 2,250,182; July 22.
Goosmann, Ida, administratrix. (See Goosmann, Justus C.)
Goosmann, Justus C., deceased, by I. Goosmann, administratrix, Chicago, Ill., assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa. Fluffing cream and like materials, and products produced thereby. 2,250,300; July 22.
Gorton, George, assignor, by mesne assignments, to George Gorton Machine Co., Racine, Wis. Antibacklash mechanism for rotary cutter spindles of machine tools. 2,250,369; July 22.
Gorton, George, Machine Co. (See Gorton, George, assignor.)
Graham, Benjamin O., St. Louis, Mo. Valve operating mechanism. 2,249,953; July 22.
Gram, Carl F., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Thread twisting. 2,249,759; July 22.
Gray Tool Company. (See Yancey, John R., assignor.)
Great Lakes Steel Corporation. (See Bowen, John E., assignor.)
Green, Paul F., Jennings, La. Off center reamer. 2,249,732; July 22.
Grey, Victor, assignor to Teletype Corporation, Chicago, Ill. Metalworking apparatus. 2,250,017; July 22.
Greze, John P. (See Minaeff, M. G.; Greze, and Priepke.)
Grimes, David, Beverly, N. J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. All-Wave loop receiver. 2,250,370; July 22.
Grimes, David, Meadowbrook, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Wireless remote control system for radio-phonograph combinations. 2,250,371; July 22.
Groene, William F., and W. A. Kinsey, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Feed control mechanism for lathes. 2,250,097; July 22.
Grube, Russell S., assignor of one-third to C. L. Bean, San Jose, and one-third to L. Quick, Los Angeles, Calif. Glass cutter. 2,250,159; July 22.
Guest, Keen & Nettlefolds, Limited. (See Whitcombe, Christopher J., assignor.)
Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Inverter circuit for vibratory hammers. 2,249,819; July 22.
Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Register control for paper cutting machines. 2,249,820; July 22.
Gulliksen, Finn H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Angular switching device for synchronous motors. 2,249,821; July 22.
Gundell, Stanley L., New York, N. Y. Binding. 2,250,018; July 22.
H & B American Machine Company. (See Perry, John, assignor.)
Hacker, Oskar, Steyr, Germany, assignor to the firm Steyr-Daimler-Puch A. G., Steyr, Austria. Drive of motor vehicles. 2,250,372; July 22.
Hagar, Carl W., assignor to Aeromotive Components Corporation, San Diego, Calif. Air cleaner. 2,249,822; July 22.
Hagen, Carl, Park Ridge, Ill., assignor to Corn Products Refining Company, New York, N. Y. Starch cake forming machine. 2,249,823; July 22.
Hagerman, Royal S., Vilas, Colo. Dental plate. 2,250,373; July 22.
Hahn, Frederick C. (See Ellsworth, D. C., and Hahn.)
Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener member and fastener installation. 2,249,895; July 22.
Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Separable fastener. 2,249,896; July 22.
Hall, Eric E., Chicago, Ill. Pipe sleeve holder. 2,249,824; July 22.
Hammill, Edward C., Westville, N. J. Fire escape. 2,249,897; July 22.
Hammond Instrument Company. (See Firestone, Floyd A., assignor.)
Hanley, John A., Stamford, Conn., assignor to Gillette Safety Razor Company, Boston, Mass. Hair clipper. 2,249,825; July 22.
Hanna, Clinton R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating apparatus. 2,249,826; July 22.
Hanson, Saml. & Son., Limited. (See Bogner, Peter, assignor.)
Hard, Merrill W., Los Angeles, Calif. Theater chair. 2,250,223; July 22.
Hardt, Albin, and A. Funke, Frankfort-on-the-Main, and and H. Köcher, Dessau-Haideburg, Anhalt, Germany, assignors to General Aniline & Film Corporation. Preparing water-containing dyestuff preparations of high concentration. 2,250,098; July 22.
Harley, Stanley J., and J. E. Wainwright, Coventry, England. Gauge. 2,250,076; July 22.
Harley, Stanley J., Coventry, and G. Olah, Birmingham, England. Linear indexing mechanism. 2,249,898; July 22.
Harman, Florence J., Buffalo, N. Y. Collapsible boat. 2,250,127; July 22.
Harper-Wyman Company. (See Turner, George F., assignor.)
Harrison, Raymond B., and L. E. Alley, assignors to Beckwith Manufacturing Company, Dover, N. H. Shoe heater. 2,249,760; July 22.
Hartbower, Fred C., et al. (See Larson, Helmar, assignor.)
Haskins, Joseph F., administrator. (See Ellsworth, Deane C.)
Haycock, Harold J. (See Hellberg, Helge, C. L., and Haycock.)
Hays, Russell M., Hagerstown, Ind. Oil wiper. 2,250,374; July 22.
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Heddon's James, Sons. (See McArthur, Joseph, assignor.)
Hegan, Horace J., Coventry, assignor to Courtaulds, Limited, London, England. Manufacture and production of artificial threads, filaments, films, and the like. 2,250,375; July 22.
Heinmiller, Percival M., assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif. Spring suspension for vehicle wheels. 2,250,019; July 22.
Hellberg, Cyril L. (See Hellberg, Helge, C. L., and Haycock.)
Hellberg, Helge, and H. J. Haycock, Coventry, and C. L. Hellberg, Lichfield, England. Gauge for measuring and checking dimensions and forms. 2,249,954; July 22.
Hellman, Ernest R., assignor to Superior Piston Ring Company, Inc., Detroit, Mich. Piston ring. 2,250,062; July 22.
Helton, Lloyd M., South Bend, Ind. Golf ball repainting machine. 2,250,224; July 22.

Hemmingsen, Torkild V., Copenhagen, Denmark. Cylinder construction for internal combusion engines. 2,250,376; July 22.
Hemphill Company. (See Lawson, Robert H., assignor.)
Henderson, Albert, assignor to W. P. Witherow, Pittsburgh, Pa. Molding apparatus. 2,250,020; July 22.
Henriksen, Alfred. (See Lincoln, B. H., Steiner, and Henriksen.)
Henry, Harold G., King City, assignor of one-half to A. L. Morgantini, Greenfield, Calif. Tire pressure signal. 2,250,077; July 22.
Henry, William L., Oakland, Calif. Fastener. 2,250,160; July 22.
Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Antifriction composition. 2,250,099; July 22.
Hercules Powder Company. (See Cox, Richard F. B., assignor.)
Hercules Powder Company. (See Humphrey, Irvin W., assignor.)
Herman, William P., Pawtucket, R. I. Multiple pole plug. 2,249,827; July 22.
Hermann, Benjamin R., Lanesborough, Mass., assignor to General Electric Company. Electric circuit interrupter. 2,250,195; July 22.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Posture chair iron. 2,249,828; July 22.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Braking and propulsion controller. 2,249,955; July 22.
Heyna, Johannes, Frankfort-on-the-Main, Germany, assignor to General Aniline & Film Corporation. Double salts of water-soluble derivatives of insoluble azodyestuffs. 2,249,956; July 22.
Higgins, Eric B., Punchetts, Tewin Wood, England. Waterproofing treatment of textile materials. 2,250,377; July 22.
Higgins, George J. (See Bingham, S. H., and Higgins.)
Higgins Ink Co. (See Higgins, Tracy, assignor.)
Higgins, Tracy, Smithtown Branch, assignor to Higgins Ink Co., Inc., Brooklyn, N. Y. Ink bottle stopper. 2,250,046; July 22.
Hill, Edward B., Chicago, Ill., assignor to Gar Wood Industries, Inc., Detroit, Mich. Side discharge hopper body. 2,250,262; July 22.
Hinds, George E., Philadelphia, Pa., assignor to Sharples Chemicals, Inc. Manufacture of nitric acid esters. 2,249,829; July 22.
Hirsch, Julius A., Chicago, Ill. Twin end necktie. 2,250,063; July 22.
Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated. Acid process for the extraction of alumina. 2,249,761; July 22.
Hofer, David L., Albany, Calif. Relief valve control. 2,250,021; July 22.
Hoffman, Malcolm E., San Francisco, Calif. Tooth paste dispenser. 2,250,022; July 22.
Hoffstetter, Carl H., Erie, Pa. Oven for gas ranges. 2,249,733; July 22.
Hogan, James L., New York, N. Y. Power amplifier and transmitter and the like. 2,249,762; July 22.
Hogg, John W., Llanerch, Pa. Gun barrel construction. 2,249,899; July 22.
Hollander, Aladar, and V. A. Hoover, Los Angeles, assignors to Byron Jackson Co., Huntington Park, Calif. Sealing device. 2,249,763; July 22.
Holley, Earl, et al. (See Udale, Stanley M., assignor.)
Holley, George M., et al. (See Udale, Stanley M., assignor.)
Holmes, John R., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Vehicle heating and ventilating apparatus. 2,249,957; July 22.
Honderich, Francis I., Natchez, Miss., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Vulcanizer seal. 2,250,196; July 22.
Honig, Morris, New York, N. Y. Extension ladder and elevator. 2,249,900; July 22.
Hoover Company, The. (See Brace, George A., assignor.)
Hoover Company, The. (See Swann, Edward R., assignor.)
Hoover Company, The. (See White, Harry B., assignor.)
Hoover, Fred L. (See Westbye, M. G., and Hoover.)
Hoover, Vaino A. (See Hollander, A., and Hoover.)
Hopper, Frank W., Selma, Calif. Wine process. 2,249,830; July 22.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,250,331; July 22.
Horwitt, Nathan G., New York, N. Y. Extensible support for pictures. 2,250,263; July 22.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Locking device. 2,249,764; July 22.
Houdaille-Hershey Corporation. (See Schatzman, George W., assignor.)
Houghton Elevator Company, The. (See Thurston, Ernest B., assignor.)
Houmoller, Adolf, Charlottenlund, near Copenhagen, Denmark. Cylinder construction for internal combustion engines. 2,250,378; July 22.
How, Harlan W., assignor to Struthers Wells-Titusville Corporation, Titusville, Pa. Ring gear mounting for rotary driers, kilns, and similar equipment. 2,249,831; July 22.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,250,100; July 22.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,250,101; July 22.
Hubschman, Jacob, Brooklyn, N. Y. Dispensing device. 2,249,832; July 22.
Hudson, H. D., Manufacturing Company. (See Keating, M. H., and Larson, assignors.)
Hughes, Everett C. (See Burk, R. E., and Hughes.)
Hulse, Robert E., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrical contact in electrolytic cells. 2,249,765; July 22.
Hummel, Charles, Niederuzwil, assignor to the firm Buhler Brothers, Uzwil, Switzerland. Apparatus for the production of covers, particularly for conserve containers, comprising rip strips. 2,250,225; July 22.
Humphner, Ferdinand W., Oak Park, assignor to Mid-States Gummed Paper Co., Chicago, Ill. Stamp and the like. 2,250,197; July 22.
Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Alkali metal salt of hydrogenated rosin. 2,249,766; July 22.
Humphreys, Ferdinand F. (See Wheelock, J. H., and Humphreys.)
Hutt, Raymond F., Fort Madison, Iowa. Flare. 2,250,198; July 22.
Hydraulic Brake Company. (See Berglund, Charles V., assignor.)
Hydraulic Development Corp. Inc., The. (See Lindner, Philip J., assignor.)
Hygrade Sylvania Corporation. (See Bachman, Charles H., assignor.)
Hygrade Sylvania Corporation. (See Krahl, Walter L., assignor.)
Hygrade Sylvania Corporation. (See Miller, Carl F., assignor.)
Hygrade Sylvania Corporation. (See Miller, Carl F., assignor.)
Hygrade Sylvania Corporation. (See Schleimann-Jensen, Arne, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Noll, Walter, assignor.)
Illinois Tool Works. (See Olson, Carl G., assignor.)
Imperial Brass Manufacturing Co. (See Warrick, Charles F., assignor.)
Industrial Associates, Inc. (See Jones, Arthur B., assignor.)
Industrial Rayon Corporation. (See Torrence, G. P., Bergmann, and Knebusch, assignors.)
Ingham, Herbert S. (See Axline, R. A., Ingham, and Shepard.)
Ingram, Sydney B., Fairlawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone ringing system. 2,250,264; July 22.
Inland Container Corporation. (See Bomberger, G. E., and Niederauer, assignors.)
Interchemical Corporation. (See Pingarrón, Adolph J., assignor.)
Inwood, John W., McGill, Nev. Boat hull. 2,249,958; July 22.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Compartment door latch. 2,250,023; July 22.
Jakosky, John J., Los Angeles, Calif. Determining underground structures. 2,250,024; July 22.
James, Maxwell, New Rochelle, N. Y., assignor to De Jur-Amsco Corporation, Fairfield, Conn. Optical system for exposure meters. 2,249,833; July 22.
Jayne, David W., Jr. (See Christmann, L. J., and Jayne.)
Jayne, David W., Jr. (See Lento, L. L., and Jayne.)
Jeschke, Ernest, assignor of one-half to N. Thomas, Chicago, Ill. Cooky forming and cutting machine. 2,250,128; July 22.
Johannessen, Vaughn L., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Insulated electrical conductor. 2,249,959; July 22.
Johnson, Carl, Maplewood, N. J. Cleaning composition and the preparation thereof. 2,250,379; July 22.
Johnson, Frederick H., Ferndale, Mich. Welder current-control switch. 2,250,302; July 22.
Johnson Laboratories, Inc. (See Schaper, William A., assignor.)
Johnson, Otto W., Oakland, Calif. Machine lathe. 2,250,161; July 22.
Johnston, Harry M., McKeesport, Pa., assignor to National Tube Company. Device for lapping tap chasers. 2,250,380; July 22.
Johnston, Frank H., and A. E. Du Bois, assignors to Premier Engineering Company, Dayton, Ohio. Fluid pump. 2,250,419; July 22.
Johnstone, Harold G., Oak Park, and C. W. Robbins, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Computing system. 2,250,108; July 22.

Jones, Arthur B., assignor to Industrial Associates, Inc., New York, N. Y. Manufacture of dried granular solids. 2,249,960; July 22.

Jorsch, Matthew A., Detroit, Mich. Wall form. 2,250,064; July 22.

Juelson, Agnes S., Chicago, Ill. Separator. 2,250,226; July 22.

Juettner, Bernard, assignor to Carnegie Institute of Technology of Pittsburgh, Pennsylvania, Pittsburgh, Pa. Manufacture of mellitic acid. 2,250,204; July 22.

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Steuerlein, Gustav, assignor.)

Kaegi, Hans. (See Oppenauer, R., Kaegi, and Miescher.)

Kalio, Inc. (See Eissner, E., and Verbeck, assignors.)

Kálmán, Márton, Budapest, Hungary. Fountain pen. 2,249,961; July 22.

Kapp, Roland, Newark, and K. T. Steik, Upper Montclair, assignors to National Oil Products Company, Harrison, N. J. Lubricant. 2,250,265; July 22.

Karibo, Edmond C. (See Pearce, E. S., and Karibo.)

Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ventilated rotary hook for sewing machines. 2,250,420; July 22.

Katz, Sam, Brooklyn, N. Y. Bobby pin ejector. 2,250,303; July 22.

Kaye, Benjamin I., New York, N. Y. Method and device for registering forms for multicolored printing. 2,250,266; July 22.

Kayner, Morris S., Santurce, P. R. Cigar. 2,250,381; July 22.

Keating, Maurice H., and A. T. Larson, Minneapolis, Minn., assignors to H. D. Hudson Manufacturing Company, Chicago, Ill. Burner. 2,250,304; July 22.

Keiser, Bernhard. (See De Groote, M., and Keiser.)

Kekko, Andrew. (See Pfleger, Leonard A., assignor.)

Kellogg, M. W., Company, The. (See Riblett, Earl W., assignor.)

Kelly, John T., Chicago, Ill. Coupling. 2,250,199; July 22.

Kennedy, William J., Hollis, N. Y. Turnstile. 2,250,305; July 22.

Kent, Herbert L., assignor to Kent Jones and Company Limited, London, England. Device for disinfecting the mouthpieces of telephones. 2,250,162; July 22.

Kent Jones and Company Limited. (See Kent, Herbert L., assignor.)

Kershaw, Henry, et al. (See Van Sant, Victor H., assignor.)

Keystone Steel & Wire Company. (See Krueger, Edwin W., assignor.)

Kiel, Clemens A., Louisville, Ky. Device for loading gasoline into truck tanks. 2,250,227; July 22.

Kilpatrick, William J. (See Petz, R. J., and Kilpatrick.)

Kinsey, William A. (See Groene, W. F., and Kinsey.)

King, Dean W., San Mateo, Calif. Adjustable sight. 2,250,109; July 22.

Kingston, M. S., et al. (See Fulton, William H., assignor.)

Kirton, Guy A. (See Malm, C. J., and Kirton.)

Kistler, Samuel S., Worcester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Making aerogels. 2,249,767; July 22.

Klavik, Milos, Prague-Smichov, Czechoslovakia. Motor vehicle having air-cooled rear engine. 2,250,382; July 22.

Klein, Clarence J., Marland Heights, W. Va. Coil handling apparatus. 2,250,025; July 22.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser charging system. 2,250,102; July 22.

Knapp-Monarch Company. (See Fischer, William H., assignor.)

Knebusch, Walter F. (See Torrence, C. P., Bergmann, and Knebusch.)

Köcher, Hermann. (See Hardt, A., Funke, and Köcher.)

Kodal, Gustav, Berlin-Siemensstadt, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Inclinometer. 2,249,901; July 22.

Koehl, James A., Chicago, Ill. Musical instrument. 2,250,065; July 22.

Koester, Henry D., New Holland, Ill. Air controlled sieve for threshing machines. 2,250,383; July 22.

Koon, Arthur J. (See McKay, W. J. A., and Koon.)

Kopp, Georges, and R. E. M. Gangeux, Rouen, assignors to Compagnie Nationale de Matieres Colorantes et Manufacturers de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France. Azo dyestuffs and their manufacture. 2,250,129; July 22.

Krahl, Walter L., Swampscott, Mass., assignor to Hygrade Sylvania Corporation, Emporium, Pa. Cathode locating and anchoring means for discharge tubes or the like. 2,250,409; July 22.

Kral, Joseph, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener stud member. 2,249,902; July 22.

Kreh, Edward J., Jr., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Balance-ring combination. 2,249,834; July 22.

Kron Company, The. (See Carliss, Oswald S., assignor.)

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Apparatus for removing flux from solder bonded side seams. 2,250,078; July 22.

Kropa, Edward L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of allyl esters. 2,249,768; July 22.

Krueger, Edwin W., River Forest, assignor to Keystone Steel & Wire Company, Peoria, Ill. Tie-wire construction for coil springs. 2,250,163; July 22.

Kucera, Peter, Allison Park, Pa. Glass feeding. 2,250,110; July 22.

Kuh, Erwin, New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of isocytosine. 2,250,332; July 22.

La Bour, Harry E., Elkhart, Ind. Vertical pump and mounting. 2,250,306; July 22.

La Ducer, Arthur O. (See Rutherford, C. E., Le Ducer, and Murphy.)

Lakatos, Emory, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive vibrator. 2,249,835; July 22.

La Pointe Machine Tool Company, The. (See Phaneuf, Wilrose J., assignor.)

Larson, Albert T. (See Keating, Maurice H., and Larson.)

Larson, Helmar, assignor of one-third to M. M. Tuleja, and one-third to F. C. Hartbower, New Brunswick, N. J. Hairbrush. 2,250,112; July 22.

Larson, John M., Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Surface type damper regulator. 2,250,111; July 22.

Lary, James F., Memphis, Tenn. Printing and enlarging table. 2,250,309; July 22.

Laukhuff, Alfred, Milwaukee, Wis. Back rest for hospital beds. 2,250,026; July 22.

Lautenschlager, Carl L., and F. Lindner, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Stable aqueous solution of ascorbic acid. 2,249,903; July 22.

Lawson, Robert H., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, Mass. Wrap stripe knitting machine. 2,250,307; July 22.

Lear Avia, Inc. (See Lear, William P., assignor.)

Lear, William P., assignor to Lear Avia, Inc., Dayton, Ohio. Remote control mechanism. 2,249,836; July 22.

Le Blond, R. K., Machine Tool Company, The. (See Greene, W. F., and Kimsey, assignors.)

Lee, Paul R., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostat. 2,249,837; July 22.

Leeds, Reginald E., and M. Pirani, Wembley, England, assignors to General Electric Company. Manufacture of vacuum electric incandescent lamps. 2,250,228; July 22.

Le Munyon, Ethan C., Los Angeles, Calif. Electrical vehicle. 2,249,838; July 22.

Lento, Louis L., Jr., Stamford, and D. W. Jayne, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of ammonium thiocyanate. 2,249,962; July 22.

Leonardon, Eugene C., assignor to Schumberger Well Surveying Corporation, Houston, Tex. Electrical system for exploring drill holes. 2,249,769; July 22.

Lesamann, Gerhard P., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tensiometer control system. 2,249,839; July 22.

Levi, Howard J. (See Cornibert, C. A., and Levi.)

Levy, Cyril C., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Plant load regulating system. 2,249,840; July 22.

Lewis, Howard H., Peoria, Ill. Grinding gauge caliper frame. 2,249,904; July 22.

Lifton, Samuel H., New York, N. Y. Composite overnight and brief case. 2,249,905; July 22.

Lilly, Eli, and Company. (See Shonle, H. A., and Doran, assignors.)

Lincoln, Bert H., W. L. Steiner, and A. Henriksen, deceased (by J. W. Wolfe, administrator), Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricant. 2,250,384; July 22.

Lincoln Engineering Company. (See Boehm, William S., assignor.)

Lincoln Tank Company. (See Zigler, Carl S.)

Lincoln, William P. (See Zigler, Carl S., assignor.)

Lindemann, Herbert E., assignor to Perfex Corporation, Milwaukee, Wis. Control mechanism. 2,250,135; July 22.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. System for feeding a single utilization circuit with energy at two frequencies. 2,250,308; July 22.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Impedance transformation means. 2,249,963; July 22.

Lindner, Fritz. (See Lautenschlager, C. L., and Lindner.)

Lindner, Philip J., Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del. Electrically controlled hydraulic turret press. 2,249,964; July 22.

Lins, Carl G., Tuckahoe, N. Y. Back supporter. 2,250,267; July 22.

Locke, Grover J. (See Locke, McCabe and G. J.)

Lock Insulator Corporation. (See Croskey, C. D., and Rowland, assignors.)

Locke, McCabe and G. J., assignors of one-third to C. H. Ferguson, Dallas, Tex. Stalk cutting machine. 2,250,103; July 22.

Lockrae, Arthur H., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner control system. 2,250,113; July 22.

Lockwood, Benjamin P., Tampa, Fla. Reel mechanism. 2,250,269; July 22.

Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake system. 2,249,965; July 22.

Long, Maurice B., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radio receiver. 2,250,268; July 22.

Longoria, Antonio, Lakewood, Ohio, assignor to Ramon Castroviejo, New York, N. Y. Surgical device. 2,249,906; July 22.

Loos, Julius, Jr. (See Loos, Theodore and J., Jr.)

Loos, Theodore and J., Jr., Tompkinsville, Staten Island, N. Y. Traveling or other type of bag. 2,249,841; July 22.

Lord Baltimore Press, The. (See Bouchelle, William T., assignor.)

Lorentzen, Hans K., Montclair, N. J., assignor to Lorentzen Hardware Mf'g Corp., New York, N. Y. Venetian blind head bar organization. 2,250,106; July 22.

Lorentzen Hardware Mf'g Corp. (See Lorentzen, Hans K., assignor.)

Lower, Nathan M., Erie, Pa. Automatic furnace. 2,250,114; July 22.

Lowther, Wilfred W., assignor to Donaldson Company, Inc., St. Paul, Minn. Crankcase ventilating system. 2,250,200; July 22.

Lubri-Zol Development Corporation, The. (See Lincoln, B. H., Steiner, and Henriksen, assignors.)

Luchsinger, Ernst, Kusnacht, assignor to the firm Luchsinger's Handelsgesellschaft, Amsterdam, Filiale Zürich, Zurich, Switzerland. Device for the production of looped fabrics. 2,250,229; July 22.

Luchsinger, Ernst, Kusnacht, assignor to Luchsinger's Handelsgesellschaft, Amsterdam, Filiale Zürich, Zurich, Switzerland. Device for the production of looped goods. 2,250,230; July 22.

Luchsinger's Handelsgesellschaft, Amsterdam, Filiale Zürich. (See Luchsinger, Ernst, assignor.)

Ludwig, Hans. (See Fingado, G. A., and Ludwig.)

MacMartin, William B., Lombard, assignor to Binks Manufacturing Company, Chicago, Ill. Nozzle structure for spray guns. 2,249,771; July 22.

Madland, Gabriel, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Sliding door fastener for railway cars. 2,250,310; July 22.

Maier, August R., Dallas, Tex., assignor to Oil Well Supply Company. Adjustable stroke pumping power. 2,250,385; July 22.

Maintenance Company, The. (See Myers, Mortimer A., assignor.)

Malawista, John J. (See Markush, E. A., Malawista, and Miller.)

Mallory, P. R., & Co. (See Hensel, Franz R., assignor.)

Malm, Carl J., Rochester, N. Y., and G. A. Kirton, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing stable cellulose esters. 2,250,201; July 22.

Maniscalco, Pietro, Toledo, Ohio. Combination air conditioner and refrigerator. 2,249,772; July 22.

Maniscalco, Pietro, Chicago, Ill. Combination refrigerator and air conditioner. 2,250,386; July 22.

Manatt, James, assignor to Central Commercial Company, Chicago, Ill. Musical instrument. 2,250,066; July 22.

Mansfield, Warren M., Glendale, assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Pumping apparatus for oil wells. 2,249,842; July 22.

Markush, Eugene A., Jersey City, N. J., J. J. Malawista, Brooklyn, N. Y., and J. Miller, Newark, N. J., assignors to Pharma Chemical Corporation, New York, N. Y. Coeroxane compounds. 2,250,270; July 22.

Marsland, Maud L., executrix. (See Marsland, Roland.)

Marsland, Roland, deceased, by M. L. Marsland, executrix, Moylan, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lubrication apparatus. 2,249,843; July 22.

Martin, Charles A., Chicago, Ill. Control system. 2,249,844; July 22.

Martin, Glenn L., Company, The. (See Palmer, John A., assignor.)

Martin, Josef, Munich, Germany. Mechanical stoker. 2,250,067; July 22.

Massey-Harris Company, The. (See Michael, Clement W., assignor.)

Mattera, John A., New York, N. Y., assignor to Envelope Machine Corp. Method and means for gumming envelopes and similar sheet materials. 2,249,773; July 22.

Matthews, William B., Irvington, N. J. Abdominal protector. 2,249,966; July 22.

Matusita, Yosio, Yokohama, Japan, assignor to General Electric Company. Control device for electric translating apparatus. 2,250,202; July 22.

May, Edward M., Detroit, Mich. Float valve. 2,250,130; July 22.

Mayer, Frederick W., Taunton, and E. D. Cole, Dighton, Mass., assignors to Arnold, Hoffman & Co. Incorporated. Material to be used in connection with yarn sizing. 2,250,115; July 22.

Maynard, Arthur H., assignor to Boston Wire Stitcher Company, Warwick, R. I. Clutch and brake device. 2,250,027; July 22.

McArthur, Joseph, assignor to James Heddon's Sons, Dowagiac, Mich. Fish lure. 2,249,770; July 22.

McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train brake control apparatus. 2,249,967; July 22.

McDonald, Eugene F., Jr., Chicago, Ill. Radio apparatus. 2,250,387; July 22.

McDonald, James, Weehawken, N. J., assignor to Todd Combustion Equipment, Inc., New York, N. Y. Multiple atomizing sprayer plate. 2,250,079; July 22.

McDonald, John I., assignor to Progress Specialty Company, Chicago, Ill. Cuff making method and apparatus. 2,249,968; July 22.

McKay, William J. A., and A. J. Koon, Grand Rapids, Mich. Chuck. 2,250,068; July 22.

McKim, James B. (See Allison, S. W., McKim, and Robb.)

McKinstry, Charles H., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,249,969; July 22.

McKune, Frank, Seattle, and C. Bergh, Stanwood, Wash.; said Bergh assignor to said McKune. Thermostatically controlled safety valve. 2,249,970; July 22.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compound and material colored therewith. 2,249,774; July 22.

McNally, James G. (See Dickey, J. B., and McNally.)

Mecorney, David B., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Cooling system pressure relief device. 2,249,971; July 22.

Metcalfe, Ernest, et al. (See Fulton, William H., assignor.)

Meyer, Elsie, and J. Braunwalder, Los Angeles, Calif.; said Braunwalder assignor to said Meyer. Food preparing device. 2,249,972; July 22.

Meyer, Walter W., Arlington Heights, assignor to Rotary Seal Company, Chicago, Ill. Seal. 2,250,311; July 22.

Michael, Clement W., assignor to The Massey-Harris Company, Racine, Wis. Planter frame and adjusting means therefor. 2,250,312; July 22.

Mickelberg, Orville C., La Crosse, Wis. Ski case. 2,250,388; July 22.

Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)

Miescher, Karl. (See Oppenauer, R., Kaegi, and Miescher.)

Miller, Carl F., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge tube and manufacture. 2,250,183; July 22.

Miller, Carl F., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge tube. 2,250,184; July 22.

Miller, John A., assignor of twenty-five per cent to C. E. Rich, Long Beach, Calif. Vegetable cutter. 2,250,028; July 22.

Miller, John A., De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Metal accordion. 2,250,131; July 22.

Miller, Julius. (See Markush, E. A., Malawista, and Miller.)

Miller, Ralph. (See Hixson, A. W., and Miller.)

Miller, Raymond S., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,250,389; July 22.

Miller, Stanley, Missoula, Mont. Visibility meter. 2,250,333; July 22.

Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Coin selector. 2,250,047; July 22.

Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Coin selector. 2,250,048; July 22.

Mills Novelty Company. (See Mills, Bert E., assignor.)

Mills Novelty Company. (See Voigtritter, Max H., assignor.)

Millspaugh, William H., Catawba Island, Ohio. Method of producing tubular metallic bodies. 2,249,775; July 22.

Minaeff, Michael G., Metuchen, J. P. Greze, Dunellen, and R. J. Priepke, assignors to A. C. Barnes Company, Inc., New Brunswick, N. J. Colloidal silver iodide composition. 2,250,390; July 22.

Minder, Otto, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. High pressure cylinder. 2,250,164; July 22.

Minneapolis-Honeywell Regulator Company. (See Larson, John M., assignor.)

Minneapolis-Honeywell Regulator Company. (See Lockrae, Arthur H., assignor.)

Minneapolis-Honeywell Regulator Company. (See Wilson, John M., assignor.)

Mitchell, Earl H., Portland, Oreg. Folding table. 2,249,845; July 22.

Mitschrich, Melville F., assignor to Moloney Electric Company, St. Louis, Mo. Circuit control device for transformers. 2,250,165; July 22.

Modern Collet & Machine Company. (See Baxendale, Samuel, assignor.)

Mohler, Orville E., Glendale, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Heat reflecting temporary coating material. 2,250,185; July 22.

Mojonnier Bros. Co. (See Mojonnier, Timothy, assignor.)
Mojonnier, Timothy, Oak Park, Ill., assignor to Mojonnier Bros. Co. Distributor for heat exchangers. 2,249,846; July 22.
Molded Insulation Co. (See Zelov, V. I., and Strauss, assignors.)
Moloney Electric Company. (See Mitschrich, Melville F., assignor.)
Monroe Calculating Machine Company. (See Chase, George C., assignor.)
Monsanto Chemical Company. (See Kistler, Samuel S., assignor.)
Moon, Herbert J., St. Louis, Mo., and E. G. Gardner, assignors to National Enameling & Stamping Company, Milwaukee, Wis. Cooking appliance. 2,250,029; July 22.
Moore Company, The. (See Wunderlich, William E., assignor.)
Moore, William E., Pittsburgh, Pa., assignor, by mesne assignments, to Delaware Engineering Corporation, Wilmington, Del. Electrode supporting structure. 2,249,776; July 22.
Morgan Construction Company. (See Sheperdson, John W., assignor.)
Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Chair. 2,250,030; July 22.
Morgan, Porter S., Weston, assignor to The Capewell Manufacturing Company, Hartford, Conn. Sump pump priming device. 2,250,271; July 22.
Morgantini, Angelo L. (See Henry, Harold G., assignor.)
Morrison, John F., Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency regulation. 2,250,104; July 22.
Mossberg, Iver O., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Target. 2,250,166; July 22.
Mossberg, O. F., & Sons, Inc. (See Mossberg, Iver O., assignor.)
Motion Picture Engineering Co. (See Ditty, A. V., and Bradford, assignors.)
Moto-Sway Corporation of America. (See Aron, Edmund, assignor.)
Moyle, Clarence L., assignor to The Dow Chemical Company, Midland, Mich. Mixed triaryl thiophosphates. 2,250,049; July 22.
Mueller, Joachim, and W. Muenster, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Production of stable leuco compounds of anthraquinone vat dyestuffs. 2,249,973; July 22.
Muenster, Wilhelm. (See Mueller, J., and Muenster.)
Müller, Ferdinand C. H. (See Pilliod, T. J., and Müller.)
Murphy, Robert H. (See Rutherford, C. E., La Ducer, and Murphy.)
Murray, Irvin L., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Recovery method for cyclic vapor phase reaction products. 2,249,847; July 22.
Myers, Mortimer A., Bellaire, assignor to The Maintenance Company, Inc., New York, N. Y. Elevator control system. 2,250,272; July 22.
Nathan, Herbert J., Bismarck, N. Dak. Hydraulic motor or pump. 2,250,031; July 22.
National Aniline & Chemical Company. (See Flett, Lawrence H., assignor.)
National Electric Products Corporation. (See Phillips, George E., assignor.)
National Enameling & Stamping Company. (See Moon, H. J., and Gardner, assignors.)
National Oil Products Company. (See Kapp, R. and Steik, assignors.)
National Smelting Company. (See Bonsack, Walter, assignor.)
National-Standard Company. (See Pierce, Robert C., assignor.)
National Tube Company. (See Berquist, David, assignor.)
National Tube Company. (See Johnston, Harry M., assignor.)
Naumann, Herbert O., and W. S. Bridges, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Method and apparatus for the twisting of thread. 2,249,777; July 22.
Nelles, John S., assignor to The Detroit Edison Company, Detroit, Mich. Concrete. 2,250,107; July 22.
Nelson, Stanley F., Eustis, Fla., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,249,778; July 22.
Neveu, Anselme, Livry-Gargan, France, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure motor device. 2,249,974; July 22.
New Idea, Inc. (See Vutz, Wilhelm, assignor.)
New York Tank Co. (See Brooks, Stephen H., assignor.)
Newton Supply Company. (See Crocker, George H., assignor.)
Nicholoy, Winford E., assignor to Scott-Viner Company, Columbus, Ohio. Process and apparatus for treating food materials. 2,250,116; July 22.
Nicou, Hans T. (See Ekman, O. I. H., and Nicou.)
Niederauer, Howard H. (See Bomberger, G. E., and Niederauer.)
Niles, Raymond W., Saline, and T. C. Pew, Ann Arbor, Mich. Trolley bracket. 2,250,167; July 22.
Nissen, Hans F., Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Apparatus for indicating the amplitude of the sound record made by a sound-film cinematograph camera. 2,249,975; July 22.
Noblitt, Quintin G., and E. C. Booth, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Fitting for automobile-body heating system. 2,250,117; July 22.
Noblitt-Sparks Industries, Inc. (See Noblitt, Q. G., and Booth, assignors.)
Noder, Anna, Munich, Germany, assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Bleaching oils, fats, and waxes. 2,250,203; July 22.
Nodine, Frederick A., Terryville, assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn. Thermometer and mounting. 2,250,231; July 22.
Nokes, Ernest S., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for bending sole margins. 2,249,779; July 22.
Noll, Walter, Cologne-Mulheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of cement, alkali metal aluminate, and sulphur dioxide. 2,250,186; July 22.
Norris, Edward O., Westport, Conn., assignor to Edward O. Norris, Inc., New York, N. Y. Matrix for electroforming foraminous sheet. 2,250,435; July 22.
Norris, Edward O., Westport, Conn., assignor to Edward O. Norris, Inc., New York, N. Y. Matrix for the electrodeposition of foraminous sheet. 2,250,436; July 22.
Norris, Edward O., Inc. (See Norris, Edward O., assignor.)
North American Rayon Corporation. (See Gram, Carl F., assignor.)
North American Rayon Corporation. (See Naumann, H. O., and Bridges, assignors.)
North, Clayton O., deceased, by M. R. North, administratrix, assignor to The Raolin Corporation, Charleston, W. Va. Rubber chloride composition. 2,250,232; July 22.
North Margaret R., administratrix. (See North, Clayton O., assignor.)
Oakite Products, Inc. (See Allison, William M., assignor.)
Ober, Howard C., East Cleveland, Ohio. Ground tilling implement. 2,250,391; July 22.
O'Brien, Denis F., East Orange, N. J. Frangible hydrant. 2,249,848; July 22.
Oil Clarifier Corporation, The. (See Downing, Herman W., assignor.)
Oil Well Supply Company. (See Maier, August R., assignor.)
Olah, George. (See Harley, S. J., and Olah.)
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Fastener unit and its assembly. 2,250,050; July 22.
Omes (Continental) Limited. (See Westbrooke, William G. F., assignor.)
Oppenauer, Rupert, Amsterdam, Netherlands, H. Kaegi, Basel, and K. Miescher, Riehen, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Cyclopentanopolyhydrophenanthrene derivatives and producing same. 2,249,911; July 22.
Oppenlaender, Oskar. (See Allquist, J. W., and Oppenlaender.)
Osborne, Thomas L., Belvedere, Kent, and R. S. Vincent, assignors to Callender's Cable and Construction Company Limited, London, England. Manufacture of electric cables. 2,250,032; July 22.
Owler, Thomas D., assignor to Coach & Car Equipment Company, Chicago, Ill. Foldable arm for chairs. 2,249,849; July 22.
Oxley, John H., Watertown, Mass., assignor to The American Crayon Company, Sandusky, Ohio. Blackboard eraser. 2,249,912; July 22.
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Page, Charles L., Philadelphia, Pa. Knitting needle latch. 2,249,780; July 22.
Palmer, John A., assignor to The Glenn L. Martin Company, Baltimore, Md. Fluid pressure cylinder locking mechanism. 2,249,850; July 22.
Paragon Textile Company. (See Rosskopf, Fred, assignor.)
Parkington, John R., Newcastle-Emlyn, South Wales. Storage cell with radial plates. 2,250,233; July 22.
Parma Chemical Corporation. (See Markush, E. A., Malawista, and Miller, assignors.)
Parr, Josephus O., Jr., assignor of one-third to O. S. Petty, San Antonio, Tex. Amplifier for wave-form signals. 2,250,132; July 22.
Patten, Hudson T., Jr. (See Emery, E. G., and Patten.)
Patzer, William, assignor to A. B. T. Manufacturing Corp., Chicago, Ill. Change maker. 2,250,051; July 22.
Pearce, Edwin S., and E. C. Karibo, Indianapolis, Ind. Vehicle signal means. 2,250,133; July 22.
Penfold, Charles S., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electrical connection means. 2,249,976; July 22.
Penfold, Charles S., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electrical connection means. 2,249,977; July 22.
Perfection Stove Company. (See Focke, T. B., and Cheeseman, assignors.)
Perfex Corporation. (See Lindemann, Herbert E., assignor.)
Perkowski, John P., East Northport, N. Y. Pole shifting device. 2,249,907; July 22.

Perry, John, Seekonk, Mass., assignor to H & B American Machine Company. Strand wrapping machine. 2,250,334; July 22.
Perry, Winthrop L. (See Abbott, E. J., and Perry.)
Persons, Lawrence M., assignor, by mesne assignments, to Automatic Control Corporation, St. Louis, Mo. Refrigerator control switch. 2,250,437; July 22.
Persons, Lawrence M., St. Louis County, assignor to Automatic Control Corporation, St. Louis, Mo. Compensator for refrigeration control. 2,250,438; July 22.
Persons, Lawrence M., St. Louis County, assignor to Automatic Control Corporation, St. Louis, Mo. Stack switch. 2,250,439; July 22.
Petermann, George A., Kearsarge, assignor of one-half to L. A. Eaton, Laurium, Mich. Head lamp. 2,249,908; July 22.
Petrolite Corporation. (See Blair, Charles M., Jr., assignor.)
Petrolite Corporation. (See De Groote, Melvin, assignor.)
Petrolite Corporation. (See De Groote, M., and Keiser, assignors.)
Petty, Olive S. (See Parr, Josephus O., Jr., assignor.)
Petty, Olive S. (See Welty, William R., assignor.)
Petz, Raymond J., and W. J. Kilpatrick, assignors to Rifle Weeder Corporation, Detroit, Mich. Weeding tool. 2,250,313; July 22.
Pew, Thomas C. (See Niles, R. W., and Pew.)
Pfaff, John, Sycamore, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Reversible front panel for pianos and the like. 2,249,978; July 22.
Pfleger, Leonard A., assignor of one-half to A. Kekko, South Bend, Ind. Time switch. 2,250,168; July 22.
Phaneuf, Wilrose J., assignor to The La Pointe Machine Tool Company, Hudson, Mass. Broach. 2,250,392; July 22.
Philco Radio and Television Corporation. (See Grimes, David, assignor.)
Phillips, George E., Leetsdale, Pa., assignor to National Electric Products Corporation. Serving head. 2,249,781; July 22.
Phillips Petroleum Company. (See Carney, Samuel C., assignor.)
Pierce, Robert C., Niles, Mich., assignor to National-Standard Company. Wire beamer tensioner unit and method. 2,250,234; July 22.
Pilliod Cabinet Company, The. (See Pilliod, T. J. and Müller.)
Pilliod, Thomas J., and F. C. H. Müller, assignors to The Pilliod Cabinet Company, Swanton, Ohio. Display cabinet for silverware, etc. 2,249,851; July 22.
Pingarrón, Adolph J., Woodside, assignor to Interchemical Corporation, New York, N. Y. Setting coating compositions. 2,249,782; July 22.
Piper, Roger J., Princeton, Ill. Posthole digger. 2,250,081; July 22.
Pirani, Marcello. (See Leeds, R. E., and Pirani.)
Pisarev, David, Bethlehem, Pa. End heating device. 2,249,909; July 22.
Place, Bion C., assignor of one-half to G. F. Gagnier, Detroit, Mich. Separable fastener. 2,249,910; July 22.
Platen-Munters Refrigerating System. (See Bäckström, Sigurd M., assignor.)
Platnik, Harry, Washington, D. C. Pressing rack. 2,250,105; July 22.
Platt, Max. (See Sylvester, Louis F., assignor.)
Pointer, Robert W., assignor of one-half to Willamette Iron & Steel Corporation, Portland, Oreg. Vehicle suspension. 2,250,134; July 22.
Porter, Frank. (See Campbell, G. B., and Porter.)
Porter, Gilbert E., Mount Clemens, Mich. Brake operating mechanism. 2,250,033; July 22.
Premier Engineering Company. (See Johnston, F. H., and Du Bois, assignors.)
Price, Nathan C., assignor, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash. Servo control. 2,250,035; July 22.
Priepke, Rudolf J. (See Minaeff, M. G., Greze, and Priepke.)
Priester, Henry, Middletown, N. Y. Brick unit handling fork. 2,250,273; July 22.
Progress Specialty Company. (See McDonald, John I., assignor.)
Pustmueller, Paul S., Bakersfield, Calif., assignor, by mesne assignments, to Security Engineering Co., Inc., Whittier, Calif. Cementing oil wells. 2,249,852; July 22.
Quick, Lelande, et al. (See Grube, Russell S., assignor.)
Quilty, Edward J., Cleveland, Ohio. Cigarette holder and ash tray. 2,249,913; July 22.
Quinn, Herbert M., Bangor, Maine. Seizing and serving tool. 2,250,080; July 22.
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Wendt, Karl R., assignor.)
Rado, Kosta P., Englewood, N. J. Control mechanism. 2,250,393; July 22.
Ranco Incorporated. (See Raney, Estel C., assignor.)
Randall, Karl C., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Trolley system control. 2,249,853; July 22.
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,250,274; July 22.
Raolin Corporation, The. (See North, Clayton Olin, assignor.)
Raytheon Manufacturing Company. (See Klemperer, Hans, assignor.)
Reardon, James W., Boston, Mass. Curb construction. 2,249,979; July 22.
Reed, Harold V., assignor to Borg Warner Corporation, Chicago, Ill. Friction clutch. 2,250,394; July 22.
Reggio, Ferdinando C., Peoria, Ill. Crankshaft supporting means. 2,249,783; July 22.
Rehm, Theodore C., Haledon, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,249,854; July 22.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train control system. 2,250,235; July 22.
Reichart, James H., Muncie, Ind. Universal sewing kit. 2,249,980; July 22.
Reichel, Wladimir A., Bellerose, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Speed control of rotor gyroscopes. 2,249,914; July 22.
Reilly, John H. (See Reinhardt, R. C., and Reilly.)
Reinhardt, Robert C., and J. H. Reilly, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride composition. 2,249,915; July 22.
Reinhardt, Robert C., and J. H. Reilly, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride compositions. 2,249,916; July 22.
Reinhardt, Robert C., and J. H. Reilly, assignors to The Dow Chemical Company, Midland, Mich. Vinylidene chloride composition. 2,249,917; July 22.
Research Corporation. (See White, Harry J., assignor.)
Reynolds, Harold A. (See Bailey, C. S., and Reynolds.)
Reynolds, Harold A. (See Darrah, C. W., and Reynolds.)
Riblett, Earl W., Teaneck, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Catalytic synthesis. 2,250,421; July 22.
Rich, Carol E. (See Miller, John A., assignor.)
Rich, Hyman R., Milwaukee, Wis., assignor to Enoz Chemical Company, Chicago, Ill. Spraying device. 2,250,034; July 22.
Rickerman, John H., River Edge, and A. L. Baker, Summit, assignors to Gasoline Products Company, Inc., Jersey City, N. J. Treating hydrocarbon fluids. 2,250,052; July 22.
Riddell, John T., Chicago, Ill. Protective shield support. 2,250,275; July 22.
Rifle Weeder Corporation. (See Petz, R. J., and Kilpatrick, assignors.)
Robb, Theodore D. (See Allison, S. W., McKim, and Robb.)
Robbins, Charles W. (See Johnstone, H. G., and Robbins.)
Robinson, Charles A., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Loose nailing machine. 2,249,784; July 22.
Robinson, Harry W., Sharpsville, Pa. Fluid drive. 2,250,082; July 22.
Rocke, William, South Bend, Ind. Dishwashing machine. 2,250,314; July 22.
Rockne, William, South Bend, Ind. Liquid circulator. 2,250,315; July 22.
Roe, Chester M., Hasbrouck Heights, N. J. Packing for stuffing boxes and the like. 2,249,981; July 22.
Rogers, Walter S., Falmouth, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Activation of sole attaching cement. 2,249,855; July 22.
Rohm, Herbert S., East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Flexible steam hose connection. 2,250,205; July 22.
Roland, Albert C. (See Taussig, C. W., and Roland.)
Root, Charles S., Bridgeport, Conn., assignor to General Electric Company. Amplifying system. 2,250,206; July 22.
Roper, John M., Washington, D. C., and A. D. Dircksen, Dayton, Ohio. Beam control for spotlight. 2,249,785; July 22.
Rosskopf, Fred, Altoona, Pa., assignor to Paragon Textile Company, New York, N. Y. Automatic package-stop of winding mechanisms. 2,250,083; July 22.
Rotary Seal Company. (See Meyer, Walter W., assignor.)
Rowland, Davidge H. (See Croskey, C. D., and Rowland.)
Ruff, Alonzo W., York, Pa., assignor, by mesne assignments, to Auditorium Conditioning Corporation, New York, N. Y. Air conditioning. 2,249,856; July 22.
Russell, Bennett, Yakima, Wash. Double cutter dispensing container. 2,250,236; July 22.
Russell, Victor J. S., assignor to S. Smith & Sons (Motor Accessories) Limited, Cricklewood, London, England. Synchronous electric motor. 2,250,395; July 22.
Rust, Frederick F. (See Vaughan, W. E., and Rust.)
Rutherford, Charles E., A. O. La Ducer, and R. H. Murphy, West Hartford, Conn., assignors to The Wire-mold Company. Wiring device. 2,250,276; July 22.

Rutherford, Francis H., and E. B. Whitmarsh, assignors to Detroit Brass & Malleable Works, Detroit, Mich. Valve. 2,249,982; July 22.

Sacerdote, Guido M., Manhasset, N. Y. Wrench and jar opener. 2,249,786; July 22.

Sadenwater, Charles W., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Folding ironing table. 2,249,983; July 22.

Saginaw Manufacturing Co. (See Sadenwater, Charles W., assignor.)

Salzer, Walter, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Vitamin B_6 intermediates. 2,250,396; July 22.

Sanitary Food Processing Company. (See Savage, Baillie N., assignor.)

Saubestre, Basil F., Elmhurst, assignor to American Can Company, New York, N. Y. Can body forming machine. 2,249,788; July 22.

Savage, Baillie N., assignor to Sanitary Food Processing Company, Inc., Seattle, Wash. Vegetable and fruit skin removing device. 2,249,787; July 22.

Schaelchlin, Walter, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,249,857; July 22.

Schaper, William A., Cicero, assignor to Johnson Laboratories, Inc., Chicago, Ill. Coupled circuit regenerative receiving system. 2,250,277; July 22.

Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield. 2,250,136; July 22.

Schering Corporation. (See Dane, Elisabeth, assignor.)

Schieck, Raymond R., Detroit, Mich. Illuminated testing device. 2,250,084; July 22.

Schlage Lock Company. (See Schlage, Walter R., assignor.)

Schlage, Walter R., Burlingame, assignor to Schlage Lock Company, San Francisco, Calif. Lock extension unit. 2,250,036; July 22.

Schleimann-Jensen, Arne, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Space discharge tube. 2,250,187; July 22.

Schlumberger Well Surveying Corporation. (See Doll, Henri, G., assignor.)

Schlumberger Well Surveying Corporation. (See Leonardon, Eugene G., assignor.)

Schmid, Julius, Inc. (See Fingado, G. A., and Ludwig, assignors.)

Schmitz, William L., Jr., Los Angeles, Calif. Diaphragm pessary introducer. 2,250,037; July 22.

Schmutz, Julius, Louisville, Ky. Type inking roller and mounting. 2,250,397; July 22.

Schneider, Elbert D., Scotia, N. Y., assignor to General Electric Company. Temperature control system. 2,250,207; July 22.

Schon, Matthew, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Method and apparatus for making coated metal. 2,250,398; July 22.

Schor, Joseph. (See Skoverski, John R., assignor.)

Schryber, Emil A. (See Eastwood, H. F., and Schryber.)

Schultz, Alfred S., and L. Atkin, Bronx, and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Fermentation. 2,249,789; July 22.

Schulz, Erhard, Berlin-Steglitz, Germany, assignor to General Electric Company. Electric circuit breaker. 2,250,208; July 22.

Schwartzkopf, Walter G., St. Louis, Mo. Stencil knife 2,250,237; July 22.

Schwarzer, Egon, assignor to Fernsch G. m. b. H., Berlin-Zehlendorf, Germany. Television transmitting device. 2,250,169; July 22.

Schwinn, Frank W., Chicago, Ill. Vehicle lamp. 2,249,858; July 22.

Schwitzer-Cummins Company. (See Beier, Kurt A., assignor.)

Schwitzer-Cummins Company. (See Shimer, William B., assignor.)

Schwyn, Eduard H., Toledo, Ohio. Facial control. 2,249,790; July 22.

Scott-Viner Company. (See Nicholoy, Winford E., assignor.)

Seaman, Tom, Wigan, England. Breaking down and dislodging rocky material. 2,250,137; July 22.

Searle, G. D., & Co. (See Burtner, Robert R., assignor.)

Security Engineer Company. (See Pustmueller, Paul S., assignor.)

Sever, John B., Oak Park, Ill., assignor to William F. Stahl. Swaging apparatus for cores and spools. 2,249,984; July 22.

Servel, Inc. (See Ashby, Carl T., assignor.)

Severy, Melvin L., Los Angeles, Calif., assignor to The Vocalservo Company of Chicago, Chicago, Ill. Producing electrostatic pulsations. 2,250,069; July 22.

Shannon, Henry W., Hominy, Okla. Oil well fishing tool. 2,250,440; July 22.

Sharples Chemicals Inc. (See Deger, Thomas E., assignor.)

Sharples Chemicals Inc. (See Hinds, George E., assignor.)

Shearer, George J., Erlanger, Ky., assignor to Shearer Paper Box Co. Inc., Cincinnati, Ohio. Apparatus for and method of making collapsible containers. 2,249,859; July 22.

Shearer Paper Box Co. (See Shearer, George J., assignor.)

Sheepshanks, Richard H. (See Ballamy, L. M., and Sheepshanks.)

Sheldrick, Henry W., assignor to Collier-Keyworth Company, Gardner, Mass. Vehicle brake. 2,249,860; July 22.

Shell Development Company. (See Smithuysen, Wilhelm C. B., assignor.)

Shell Development Company. (See van Peski, Adrianus J., assignor.)

Shell Development Company. (See Vaughan, W. E., and Rust, assignors.)

Shepard, Arthur P. (See Axline, R. A., Ingham, and Shepard.)

Shepardson, John W., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for handling elongated material. 2,250,138; July 22.

Sherka Chemical Co. Inc. (See Baumgärtner, Wilhelm, assignor.)

Shimer, William B., assignor to Schwitzer-Cummins Company, Indianapolis, Ind. Air conditioning unit. 2,250,139; July 22.

Shonle, Horace A., and W. J. Doran, assignors to Eli Lilly and Company, Indianapolis. Alkyl-crotyl barbituric acids and their salts. 2,250,422; July 22.

Shonle, Horace A., and Wilbur J. Doran, assignors to Eli Lilly and Company, Indianapolis, Ind. N-propyl crotyl barbituric acid and its salts. 2,250,423; July 22.

Shonle, Horace A., and W. J. Doran, assignors to Eli Lilly and Company, Indianapolis, Ind. 1-methyl-propyl crotyl barbituric acid and its salts. 2,250,424; July 22.

Shoults, David R., and W. D. Cockrell, Schenectady, N. Y., assignors to General Electric Company. Control system. 2,250,209; July 22.

Shuemaker, Benjamin H., Eureka, Calif. Phonograph record. 2,250,140; July 22.

Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Kodal, Gustav, assignor.)

Sigler, Laurence M., St. Louis, Mo., assignor of one-third to K. B. Gill, and one-third to J. C. Gill, San Francisco, Calif. Egg separator. 2,249,985; July 22.

Signal Engineering & Manufacturing Company. (See Wheelock, J. H., and Humphreys, assignors.)

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Two way plow. 2,249,861; July 22.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Dam forming device. 2,249,864; July 22.

Simmons, Henry P., Knights Landing, Calif. Tractor transporting vehicle. 2,250,070; July 22.

Simon, Leslie E., Aberdeen Proving Ground, Md., and P. V. di Cosmo, Dover, N. J. Powder measuring machine. 2,249,791; July 22.

Sims, Curtis, West Point, Ga. Slasher machine exhaust. 2,250,399; July 22.

Singer Manufacturing Company, The. (See Karle, John D., assignor.)

Singer Manufacturing Company, The. (See Zonis, Sydney, assignor.)

Sink, John R., San Francisco, Calif. Fishing sinker. 2,250,038; July 22.

Skinner, Bronson C., Dunedin, Fla. Method and apparatus for treating fruit. 2,249,792; July 22.

Skoverski, John R., assignor to J. Schor, San Francisco, Calif. Swivel for fishing tackle. 2,250,278; July 22.

Skvortzoff, Alexander A., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Condenser and bushing cap. 2,249,863; July 22.

Skvortzoff, Alexander A., and F. J. Vogel, Sharon, assignors to Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa. High tension bushing. 2,249,862; July 22.

Skyum, Christian E., Chicago, Ill. Awning. 2,249,865; July 22.

Slepian, Joseph, Pittsburgh, and A. H. Toepfer and W. M. Brubaker, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor condensing means. 2,249,866; July 22.

Smith, Donald P., Norwood, assignor to The Alvey Ferguson Company, Cincinnati, Ohio. Industrial washing machine. 2,250,238; July 22.

Smith, Frank J., Baltimore, Md., assignor to Standard Oil Company, Chicago, Ill. Manufacture of glycols. 2,249,986; July 22.

Smith, S., & Sons, (Motor Accessories) Limited. (See Russell, Victor J. S., assignor.)

Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric circuit interrupter. 2,250,210; July 22.

Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric circuit interrupter. 2,250,211; July 22.

Smithuysen, Wilhelm C. B., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Isomerization of hydrocarbons. 2,250,118; July 22.

Snelling, Marjorie G., Allentown, Pa. Dampness detecting and indicating device. 2,249,867; July 22.

Socony-Vacuum Oil Company. (See Mohler, Orville E., assignor.)

Soday, Frank J., Upper Darby, Pa., assignor to the United Gas Improvement Company. Purification of valuable hydrocarbons. 2,249,793; July 22.

Solvay Process Company, The. (See Campbell, G. B., and Porter, assignors.)

Sonnenfeld, Hugo, Bratislava, Czechoslovakia, assignor to General Cable Corporation, New York, N. Y. Electrical power cable. 2,250,239; July 22.

Sorensen, Andrew J., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control system. 2,249,868; July 22.

Sound Scriber Corporation, The. (See Thompson, Lincoln, assignor.)

Sparklin, Charles H., assignor to Birtman Electric Company, Chicago, Ill. Suction cleaner. 2,250,279; July 22.

Speik, Edith L., executrix. (See Speik, Frederick A.)

Speik, Frederick A., deceased, by E. L. Speik, executrix, South Pasadena, Calif. Mop holder. 2,250,071; July 22.

Sperry Gyroscope Company. (See Carter, Leslie F., assignor.)

Sprout, Franklin W., Grass Valley, Calif. Canned liquid server. 2,249,918; July 22.

Sprout, Franklin W., Grass Valley, Calif. Ketchup dispenser. 2,249,919; July 22.

Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring assembly. 2,250,039; July 22.

Stahl, William F. (See Seever, John B., assignor.)

Standard Brands Incorporated. (See Schultz, A. S., Atkin, and Frey, assignors.)

Standard Oil Company, The. (See Burk, Robert E., assignor.)

Standard Oil Company, The. (See Burk, R. E., and Hughes, assignors.)

Standard Oil Company. (See Smith, Frank J., assignor.)

Standard Oil Company. (See Wilson, Jesse R., assignor.)

Standard Oil Company of California. (See Goodner, E. F., and Dittus, assignors.)

Stanley, Herbert M., Tadworth, and J. B. Dymock, Tonbridge, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of derivatives of aryl substituted mono-olefins. 2,249,987; July 22.

Starbird, Maurice M., Burbank, Calif. Electrical bond. 2,250,280; July 22.

Starline, Inc. (See Ferris, Robert G., assignor.)

Starrfrasmaschinen, A.-G. (See Thalmann, Alfred, assignor.)

Steik, Karl T. (See Kapp, R., and Steik.)

Steiner, Waldo L. (See Lincoln, B. H., Steiner, and Henriksen.)

Stephens, Paul M., Ashland, Mo. Wrench. 2,250,400; July 22.

Steuerlein, Gustav, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Load carrier for aircraft. 2,250,240; July 22.

Steward, Colby W., West Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding apparatus. 2,249,869; July 22.

Steyr-Daimler-Puch, A. G. (See Hacker, Oskar, assignor.)

Stienen, Ernest A., Yorktown, N. Y. Apparatus for uniformly dyeing rayon cakes. 2,250,085; July 22.

Stowell, Lyman C., Oaklawn, R. I., assignor to The Textile Finishing Machinery Company. Guider. 2,250,053; July 22.

Strauss, William. (See Zelov, V. I., and Strauss.)

Struthers-Wells-Titusville Corporation. (See How, Harlan W., assignor.)

Studebaker Corporation, The. (See Fowler, Bert F., assignor.)

Sturken, Oswald C. H., Closter, N. J., assignor to Corn Products Refining Company, New York, N. Y. Nongelling zein solution. 2,250,040; July 22.

Sturken, Oswald C. H., Closter, N. J., assignor to Corn Products Refining Company, New York, N. Y. Zein coating composition and preparing same. 2,250,041; July 22.

Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Liquid contact device. 2,250,212; July 22.

Sulzer Frères, Société Anonyme. (See Minder, Otto, assignor.)

Sundstrand, Carl A., Rockford, Ill. Clothesline reel. 2,250,281; July 22.

Sundt, Albert, Worcester, Mass., and J. A. Drahas, Garden City, N. Y., assignors to The American Steel and Wire Company of New Jersey. Appliance cord spring. 2,250,042; July 22.

Superior Piston Ring Company. (See Hellman, Ernest R., assignor.)

Sutton, Charles Z., Piedmont, Calif., assignor to Bestest Products, Inc. Carbonator. 2,249,794; July 22.

Swank, Inc. (See Daniels, Ralph E., assignor.)

Swann, Edward R., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,250,282; July 22.

Sylvania Industrial Corporation. (See Wade, Worth, assignor.)

Sylvester, Louis F., Teaneck, assignor of one-half to M. Platt, Bayonne, N. J. Wall or partition construction. 2,250,401; July 22.

Talgman, Max, New York, N. Y. Sewing machine control mounting. 2,249,871; July 22.

Taliaferro, William R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,249,870; July 22.

Tate, Mary H. (See Tate, Theodore M. and M. H.)

Tate, Theodore M. and M. H., Cleveland, Ohio. Protective covering. 2,249,734; July 22.

Taussig, Charles W., and A. C. Roland, assignors to Applied Sugar Laboratories, Inc., New York, N. Y. Sugar refining. 2,249,920; July 22.

Taylor, Taylor & Hobson, Limited. (See Warmisham, Arthur, assignor.)

Taylor, William I. (See Dickie, W. A. and Taylor.)

Teal, Gordon K., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,250,283; July 22.

Teeple, L. R., Company. (See Cram, Charles C., assignor.)

Telefunken Gesellshaft für Drahtlose Telegraphie m. b. H. (See Bechmann, Rudolf, assignor.)

Telefunken Gesellshaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)

Telefunken Gesellshaft für Drahtlose Telegraphie m. b. H. (See Engbert, Willi, assignor.)

Teletype Corporation. (See Campion, George H., assignor.)

Teletype Corporation. (See Eddy, William H., assignor.)

Teletype Corporation. (See Grey, Victor, assignor.)

Textile Finishing Machinery Company, The. (See Stowell, Lyman C., assignor.)

Thalmann, Alfred, assignor to Starrfräsmaschinen A.-G., Rorschacherberg, Switzerland. Device for controlling the feed movement of a machine part by means of a hydraulic system. 2,250,241; July 22.

Theis, Erich, Mannheim, Germany, Aqueous urea-formaldehyde coating compositions. 2,249,795; July 22.

Thomas, Frederick W., Englewood, assignor to The Clark Thread Company, Newark, N. J. Machine for handling thread. 2,249,988; July 22.

Thomas, Nick. (See Jeschke, Ernest, assignor.)

Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Track circuit apparatus. 2,249,989; July 22.

Thompson, Lincoln, assignor to The Sound Scriber Corporation, Stamford, Conn. Disk dictating machine. 2,250,242; July 22.

Thomas, Charles D., assignor to Food Devices Incorporated, New York, N. Y. Aerating and dispensing device. 2,249,796; July 22.

Thurston, Ernest B., assignor to The Houghton Elevator Company, Toledo, Ohio. Safety device for electric motors. 2,250,141; July 22.

Tilco-Fin, Inc. (See Eastwood, H. F., and Schryber, assignors.)

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Spring coupling fastening device. 2,250,072; July 22.

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Tinsley, Robert E., Ventura, Calif. Controlling the fluid level in a drill string. 2,249,990; July 22.

Todd Combustion Equipment, Inc. (See McDonald, James, assignor.)

Toepfer, Adolph H. (See Slepian, J., Toepfer, and Brubaker.)

Torrence, George P., Shaker Heights, R. F. Bergmann, Lakewood, and W. F. Knebusch, Rocky River, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for the manufacture of thread or the like. 2,249,797; July 22.

Torrence, George P., Shaker Heights, R. F. Bergmann, Lakewood, and W. F. Knebusch, Rocky River, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for manufacturing thread like articles. 2,249,798; July 22.

Towell, Thomas E., Hot Springs, Ark. Guitar. 2,250,402; July 22.

Trainer, James E., Fairlawn, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Furnace. 2,249,799; July 22.

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Trishman, Harry A., Cuyahoga Falls, and G. S. Andrus, assignors to The Adamson Machine Company, Akron, Ohio. Belt press. 2,250,335; July 22.

Trutneff, Vladimir N., San Francisco, Calif. Dispensing comb. 2,249,991; July 22.

Tubize Chatillon Corporation. (See Allquist, J. H., and Oppenlaender, assignors.)

Tuleja, Michael M., et al. (See Larson, Helmar, assignor.)

Turner, George F., Chicago, Ill., assignor to Harper-Wyman Company. Fastening means for detachably securing handles to operating shafts. 2,249,872; July 22.

Udale, Stanley M., Detroit, Mich., assignor to G. M. and E. Holley. Fuel supply chamber. 2,249,992; July 22.

Umstead, Jacob W., New Bethlehem, Pa. Churn. 2,250,142; July 22.

Underwood, William F. (See Charch, W. H., and Underwood.)
Union Oil Company of California. (See Wilson, Chester E., assignor.)
Union Switch & Signal Company, The. (See Ashworth, Harry E., assignor.)
Union Switch & Signal Company, The. (See Crooks, Ralph K., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
Unique Art Manufacturing Co. (See Berger, Samuel I., assignor.)
United-Carr Fastener Corporation. (See Hall, Charles L., assignor.)
United-Carr Fastener Corporation. (See Kral, Joseph, assignor.)
United Gas Improvement Company, The. (See Soday, Frank J., assignor.)
United Merchants & Manufacturers, Inc. (See Bulford, Murray N., assignor.)
United Metal Hose Company. (See White, Jonathan N., assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Douglass, Frederick G., assignor.)
United Shoe Machinery Corporation. (See Doyle, Thomas J., assignor.)
United Shoe Machinery Corporation. (See Duplessis, René F., assignor.)
United Shoe Machinery Corporation. (See Nokes, Ernest S., assignor.)
United Shoe Machinery Corporation. (See Robinson, Charles A., assignor.)
United Shoe Machinery Corporation. (See Rogers, Walter S., assignor.)
United States Rubber Company. (See Cuthbertson, George R., assignor.)
United States Rubber Company. (See Honderich, Francis I., assignor.)
Upton, Richard C., Mount Clemens, assignor of one-half to Commerce Pattern Foundry & Machine Company, Detroit, Mich. Apparatus for controlling the temperature of fluid baths. 2,249,993; July 22.
Utility Trailer Manufacturing Company. (See Heinmiller, Percival M., assignor.)
Van Dorn, Herbert E., Chicago, Ill., assignor to The Dornvan Corporation. Drawbar and anchor therefor. 2,250,425; July 22.
Van Dorn, Herbert E., Chicago, Ill., assignor to The Dornvan Corporation. Drawbar anchor. 2,250,426; July 22.
Van Loan, Harold H. (See Gill, Kenneth A., assignor.)
Vannucci, Pilade L., San Jose, Calif. Can aligner. 2,250,427; July 22.
Van Peski, Adrianus J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Catalytic treatment of hydrocarbons. 2,250,410; July 22.
Van Sant, Victor H., Westfield, assignor of one-third to W. B. Driver, Newark, and one-third to H. Kershaw, Belleville, N. J. Bolt and nut lock. 2,249,921; July 22.
Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Halogenation of saturated hydrocarbons. 2,249,922; July 22.
Verbeek, Arnold. (See Eissner, E., and Verbeek.)
Vickers Incorporated. (See Miller, Raymond, assignor.)
Vickery, Norman P., Brockton, Mass., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Golf shaft. 2,250,428; July 22.
Vickery, Norman P., Brockton, Mass., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Golf club. 2,250,29; July 22.
Vickery, Norman P., Campello, Mass., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Golf club. 2,250,441; July 22.
Vincent, Jesse G., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,250,316; July 22.
Vincent, Russell S. (See Osborne, T. L., and Vincent.)
Vitolo, Louis, assignor to Century Oxford Manufacturing Corp., Brooklyn, N. Y. Nose pad arm construction. 2,250,336; July 22.
Vocalservo Company of Chicago, The. (See Severy, Melvin L., assignor.)
Vogel, Fred J. (See Skvortzoff, Alexander A., and Vogel.)
Voigtritter, Max H., assignor to Mills Novelty Company, Chicago, Ill. Machine for vending bottled beverages. 2,250,086; July 22.
Voigtritter, Max H., assignor to Mills Novelty Company, Chicago, Ill. Bottle vending machine. 2,250,087; July 22.
Vutz, Wilhelm, assignor to New Idea, Inc., Coldwater, Ohio. Hitch device for agricultural implements. 2,250,317; July 22.
Wade, Worth, New York, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Process and apparatus for forming tubing. 2,250,430; July 22.
Wainwright, John E. (See Harley, Stanley J., and Wainwright.)
Wallace Abrasive Machinery Company. (See Eastwood, Abraham B., assignor.)
Wallace, Charlton, Jr., Cincinnati, Ohio. Cake of soap. 2,250,318; July 22.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Huller type gin with fire-front. 2,250,431; July 22.
Warburton, Fred, assignor to Cable and Wireless Limited, London, England. Telegraph apparatus. 2,250,143; July 22.
Warmisham, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective. 2,250,337; July 22.
Warner Jewelry Case Company. (See Dean, John R., assignor.)
Warrick, Charles F., Detroit, Mich., assignor of one-half to Imperial Brass Manufacturing Co., Chicago, Ill. Relay device. 2,249,994; July 22.
Waterbury Tool Company, The. (See Doe, Thomas B., assignor.)
Weber, Arthur G., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydraulic fluid. 2,249,800; July 22.
Webster, Samuel W., Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Auxiliary engine drive for drawworks. 2,249,873; July 22.
Weimer, John A., assignor of one-half to L. O. Weimer, Salisbury, Pa. Corn planter. 2,250,073; July 22.
Weimer, Lawrence O. (See Weimer, John A., assignor.)
Weldon, Harry, San Antonio, Tex. Portable heater. 2,250,074; July 22.
Welty, William R., assignor to O. S. Petty, San Antonio, Tex. Amplifier for wave-form signals. 2,250,144; July 22.
Wendt, Karl R., Audubon, N. J., assignor to Radio Corporation of America. Frequency control circuits. 2,250,284; July 22.
Werb, Fred, Willow Grove, Pa. Garden disk rake. 2,250,075; July 22.
Westbrooke, William G. F., London, assignor, by mesne assignments, to Omes (Continental) Limited, Barnes, London, England. Manufacture of seamless hollow articles. 2,250,338; July 22.
Westbye, Martin G., and F. L. Hoover, Portland, Oreg. Bearing clamp and file guide. 2,250,145; July 22.
Western Electric Company. (See Johannessen, Vaughn L., assignor.)
Western Electric Company. (See Johnstone, H. G., and Robbins, assignors.)
Western Electric Company. (See Long, Maurice B., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (See McClure, Glenn T., assignor.)
Westinghouse Air Brake Company, The. (See McKinstry, Charles H., assignor.)
Westinghouse Air Brake Company, The. (See Neveu, Anselme, assignor.)
Westinghouse Air Brake Company, The. (See Sorensen, Andrew J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Armstrong, George C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Buchanan, Leslie B. M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dyer, Lloyd W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, Clinton R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kreh, Edward J., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lee, Paul R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lessmann, Gerhard P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Levy, Cyril C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marsland, Roland, assignor.)
Westinghouse Electric & Manufacturing Company. (See Randall, Karl C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaelchlin, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Skvortzoff, Alexander A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Skvortzoff, Alexander A., and Vogel, F. J.)
Westinghouse Electric & Manufacturing Company. (See Slepian, J., Toepfer and Brubaker, assignors.)
Westinghouse Electric & Manufacturing Company. (See Steward, Colby W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taliaferro, William R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Whittaker, Charles C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Woods, Charles A., Jr., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Periodic wave generator. 2,250,170; July 22.
Wheelock, John H., Fitzwilliam, N. H., and F. F. Humphreys, Caldwell, N. J., assignors to Signal Engineering & Manufacturing Company, New York, N. Y. Dispatching mechanism for alarm signal systems. 2,250,054; July 22.
Whitcombe, Christopher J., assignor to Guest, Keen & Nettlefolds, Limited, Smethwick, England. Screw and nut fastening. 2,249,923; July 22.
White, Charles H., assignor to Deere & Company, Moline, Ill. Fertilizer distributor attachment. 2,249,874; July 22.
White, Harry B., assignor to The Hoover Company, North Canton, Ohio. Bag attaching fixture for suction cleaners. 2,250,285; July 22.
White, Harry J., Los Angeles, Calif., assignor to Research Corporation, New York, N. Y. Method and apparatus for electrical precipitation. 2,249,801; July 22.
White, John J., Chicago, and H. M. Florsheim, Highland Park, assignors to The Florsheim Shoe Company, Chicago, Ill. Insole construction. 2,249,995; July 22.
White, Jonathan N., Larchmont, assignor to United Metal Hose Company, Inc., Long Island City, N. Y. Hose coupling. 2,250,286; July 22.
White, S. S., Dental Manufacturing Company, The. (See Goosman, Justus C., assignor.)
Whitehead, William, Rye, N. Y., assignor to Celanese Corporation of America. Textile process. 2,249,875; July 22.
Whitmarsh, Ernest B. (See Rutherford, Francis H., and Whitmarsh.)
Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Resistor. 2,249,876; July 22.
Whittum, Gordon R., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Hanger for aerial tramways. 2,250,339; July 22.
Wilkins, Hugh A., Oak Park, Ill. Adjustable dog leash. 2,250,171; July 22.
Willamette Iron & Steel Corporation. (See Pointer, Robert W., assignor.)
Williams, Jasper P., Waynesboro, Miss. Spectacles. 2,250,243; July 22.
Williams, Otto E., Buffalo, N. Y. Heater. 2,250,146; July 22.
Williamson, John A., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of abrasive coated webs. 2,250,119; July 22.
Wilson, Chester E., San Pedro, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oil. 2,250,188; July 22.
Wilson, Ira G., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical wave amplification. 2,250,172; July 22.
Wilson, Jesse R., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,249,924; July 22.
Wilson, John H., Wichita Falls, Tex. Slush pump. 2,249,802; July 22.
Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic control system for fuel burners. 2,250,120; July 22.
Wilson, Joseph P., Denver, Colo. Strip shingle and method of application. 2,250,432; July 22.
Winkle, Harlin W. (See Brock, M. A., and Winkle.)
Winthrop Chemical Company. (See Lautenschlager, C. L., and Lindner, assignors.)
Winthrop Chemical Company. (See Salzer, Walter, assignor.)
Wintle, Alfred J., assignor to Gary Screw & Bolt Company, Gary, Ind. Fabricating centering bolts and the like. 2,250,043; July 22.
Wiremold Company, The. (See Rutherford, C. E., La Ducer, and Murphy, assignors.)
Witherow, William P. (See Henderson, Albert, assignor.)
Wittmann, Frank J., Los Angeles, Calif. Dough molder. 2,249,925; July 22.
Wolfe, John W., administrator. (See Lincoln, B. H., Steiner, and Henriksen.)
Wolfenden, Harry C., Attleboro, Mass. Dye-spattering machine. 2,250,340; July 22.
Wood, Gar, Industries, Inc. (See Barrett, Edward R., assignor.)
Wood, Gar, Industries, Inc. (See Hill, Edward B., assignor.)
Woodhams, Walter J. (See Brownell, G. T., and Woodhams.)
Woods, Charles A., Jr., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Phase shifting network. 2,249,877; July 22.
Wooten, Carrol R., New York, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Advertising device. 2,249,803; July 22.
Work, Lincoln T., Yonkers, and R. E. Zetterstrand, New York, N. Y., assignors to Carter Coal Company. Treatment of solid fuel to reduce dustiness. 2,250,287; July 22.
Wright, David, assignor to one-half to H. T. Bellamy, Chicago, Ill. Building wall. 2,250,319; July 22.
Wunderlich, William E., assignor to The Moore Company, Muncie, Ind. Spring-forming machine. 2,249,996; July 22.
Wünsch, Guido, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. Liquid column responsive device. 2,250,341; July 22.
Wurlitzer, Rudolph, Company, The. (See Miller, John A., assignor.)
Wurlitzer, Rudolph, Company, The. (See Pfaff, John, assignor.)
Wydler, Johann J., Westfield, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Internal combustion method. 2,249,997; July 22.
Yancey, John R., assignor to Gray Tool Company, Houston, Tex. Plug inserting and removing apparatus. 2,250,244; July 22.
"Yard-Man," Inc. (See Funk, Truman B., assignor.)
Young, John W., Pacific Palisades, Calif. Thermometer mount. 2,250,320; July 22.
Young, L. A., Spring & Wire Corporation. (See Asaro, Vito, assignor.)
Young, L. A., Spring & Wire Corporation. (See Ely, Neil, assignor.)
Young, L. A., Spring & Wire Corporation. (See Stackhouse, George A., assignor.)
Youngstown Steel Door Company, The. (See Madland, Gabriel, assignor.)
Zellick, Harry. (See Bonnet, P. H., and Zellick.)
Zelov, Victor I., Rosemont, and W. Strauss, assignors to Molded Insulation Co., Inc., Philadelphia, Pa. Electric controller. 2,250,342; July 22.
Zetterstrand, Rudolph E. (See Work, L. T., and Zetterstrand.)
Zigler, Carl S., Gladewater, Tex., assignor to W. P. Lincoln, Shreveport, La., doing business as Lincoln Tank Company. Bolted joint. 2,250,343; July 22.
Zimmer Manufacturing Company. (See Ettinger, Joe J., assignor.)
Zonis, Sydney, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Loop-taker for sewing machines. 2,250,121; July 22.
Zublin, John A., Los Angeles, Calif. Nontracking roller bit. 2,249,926; July 22.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ice cube pan. M. K. Buchanan and A. G. Horton. Re. 21,860; July 22.

Liquid cathode device. L. D. Miles. Re. 21,861; July 22.

Method and apparatus of melting and fining glass. G. Slayter. Re. 21,863; July 22.

Mine cars, Drop bottom. H. W. Sanford. Re. 21,862; July 22.

Refrigerator cabinet. H. D. White. Re. 21,864; July 22.

LIST OF PLANT INVENTIONS

Peach tree. F. W. Hof Mann. 479; July 22.

LIST OF DESIGN INVENTIONS

Anchorage for luggage handles and the like, Loop. H. G. Kates. 128,395; July 22.

Bench, Work. E. R. Harris and A. F. Dean. 128,371–2; July 22.

Beret or similar article. M. J. Marks. 128,424; July 22.

Blouse. S. Salsky. 128,404; July 22.

Bottle. E. P. Price. 128,402; July 22.

Bottle, Dispensing. H. F. Daum. 128,365; July 22.

Bridge for an ophthalmic mounting. W. B. Greene. 128,393; July 22.

Brooch or similar article. J. Adler. 128,409; July 22.

Brooch or similar article. G. Capellazzi. 128,413; July 22.

Brooch or similar article. H. Einstein. 128,417; July 22.

Brooch or similar article. V. Silson. 128,427; July 22.

Brooch pin or similar article. Wm. W. Hobé. 128,423; July 22.

Brush, Fountain. J. H. Bair. 128,410–12; July 22.

Cabinet and dispenser or similar article, Combined popcorn. H. C. Wheeler. 128,387; July 22.

Cabinet, Refrigerator. R. E. Kruck. 128,379; July 22.

Cap, Container. P. A. Derham. 128,366; July 22.

Clock, Electric. J. Gottlieb. 128,392; July 22.

Coat. T. Carnegie. 128,414; July 22.

Coat. A. Oppenheimer. 128,425; July 22.

Colorimeter or the like. Wm. F. Peck. 128,401; July 22.

Connector, Cable. J. B. Miller. 128,400; July 22.

Control and door trim unit for a refrigerator or the like, Combined. J. N. Roth. 128,384; July 22.

Dress. T. Carnegie. 128,429–32; July 22.

Dress. T. Carnegie. 128,441–2; July 22.

Dress. W. Clion. 128,433; July 22.

Dress. W. Clion. 128,443; July 22.

Dress. B. Fontana. 128,434; July 22.

Dress. B. Fontana. 128,444; July 22.

Dress. S. Franklin. 128,445–9; July 22.

Dress. L. Hoshafian. 128,436; July 22.

Dress. L. Hoshafian. 128,456; July 22.

Dress. M. McCoy. 128,457–60; July 22.

Dress. H. Oppenheimer. 128,438; July 22.

Dress. H. Oppenheimer. 128,461; July 22.

Dress. H. Shacter. 128,439; July 22.

Dress. H. Shacter. 128,463–66; July 22.

Dress ensemble. G. Andrée. 128,428; July 22.

Dress ensemble. W. Hermann. 128,450–1; July 22.

Dress ensemble. M. Hobgood. 128,435; July 22.

Dress ensemble. M. Hobgood. 128,452–5; July 22.

Dress ensemble. H. Oppenheimer. 128,462; July 22.

Dress ensemble. E. Wener. 128,440; July 22.

Dress ensemble. E. Wener. 128,467–8; July 22.

Envelope. B. Moskowitz. 128,437; July 22.

Extractor, Fruit juice. J. M. Majewski, Jr. 128,398; July 22.

Fabric, Textile. L. Kalman. 128,378; July 22.

Fabric, Textile pile. J. J. Repp. 128,381–2; July 22.

Fabric, Woven textile. S. Salsky. 128,405; July 22.

Fish lure. W. L. Adams. 128,362; July 22.

Game board or similar article. R. M. Gatrell and E. Littlefield. 128,368; July 22.

Game board, Parlor. H. W. Gross. 128,369; July 22.

Glass, Sand. S. Lazarus. 128,396; July 22.

Hamper. S. R. Horn. 128,377; July 22.

Hamper, Vertical strip. W. Feln. 128,367; July 22.

Holder or article of similar nature, Glass candle. T. C. Heisey. 128,373; July 22.

Holder, String. W. F. Vernon. 128,385; July 22.

Holder, Tie. G. A. Loercher. 128,397; July 22.

Homogenizer. R. A. Yohpe. 128,407–8; July 22.

Identification plaque, Burial vault. W. W. Haase. 128,370; July 22.

Jacket. E. Fromm. 128,418; July 22.

Knife or other article of flatware. H. Malinowski. 128,399; July 22.

Lamp. J. J. Wright. 128,386; July 22.

Lamp, Electric. J. B. Cruze. 128,364; July 22.

Lighter, Cigarette. A. F. Reilly. 128,383; July 22.

Lighting fixture. C. T. Masterson and W. M. Potter. 128,380; July 22.

Machine or similar article, Floor polishing. O. W. Thralikill. 128,426; July 22.

Overshoe, or similar article, Transparent. A. J. McGillicuddy. 128,419–22; July 22.

Pencil, Mechanical. T. Christenson, Jr. 128,388–91; July 22.

Perforator and cookie cutter, Combined can. G. G. Bricco. 128,363; July 22.

Puzzle or similar article. W. Herman. 128,374–6; July 22.

Receptacle for receiving and storing blood. A Soontup and J. E. B. Swabacker. 128,406; July 22.

Shoe or similar article. F. Joyce. 128,394; July 22.

Spoon or other article of flatware. J. R. Price. 128,403; July 22.

Suit. T. Carnegie. 128,415; July 22.

Table cover or similar article. G. F. Erhard. 128,416; July 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abdominal protector. W. B. Matthews. 2,249,966; July 22.

Accordion, Metal. J. A. Miller. 2,250,131; July 22.

Acid and its salts, N-propyl crotyl barbituric. H. A. Shonle and W. J. Doran. 2,250,423; July 22.

Acid and its salts, 1-methyl-propyl-crotyl barbituric. H. A. Shonle and W. J. Doran. 2,250,424; July 22.

Acid, Manufacture of mellitic. B. Juettner. 2,250,204; July 22.

Acid process for the extraction of alumina. A. W. Hixson and R. Miller. 2,249,761; July 22.

Acid, Stable aqueous solution ascorbic. C. L. Lautenschlager and F. Lindner. 2,249,903; July 22.

Acids and their salts, Alkyl-crotyl barbituric. H. A. Shonle and W. J. Doran. 2,250,422; July 22.

Adjustable back box plate. C. D. Brown. 2,250,413; July 22.

Adjustable stroke pumping power. A. R. Maier. 2,250,385; July 22.

Advertising device. C. R. Wooten. 2,249,803; July 22.

Aerating and dispensing device. C. D. Thoms. 2,249,796; July 22.

Aerogels, Making. S. S. Kistler. 2,249,767; July 22.

Air cleaner. C. W. Hagar. 2,249,822; July 22.

Air conditioner and refrigerator, Combination. P. Maniscalco. 2,249,772; July 22.

Air conditioning. A. W. Ruff. 2,249,856; July 22.

Air conditioning device. C. A. Bolcom. 2,250,352; July 22.

Air conditioning system. B. F. Fowler. 2,250,260; July 22.

Air conditioning unit. W. B. Shimer. 2,250,139; July 22.

Air controlled sieve for threshing machines. H. D. Koester. 2,250,383; July 22.

Airplane package transfer apparatus. R. L. Cooper. 2,250,153; July 22.

Airplane wing. J. L. Fitzurka. 2,249,729; July 22.

Alarm system, Electric. O. I. H. Ekman and H. T. Nicou. 2,249,891; July 22.

Alloy: *See*—
Aluminum alloy.

Alloys, Aluminum. W. Bonsack. 2,249,740; July 22.

Amines, Separation of. T. E. Deger. 2,249,816; July 22.

Amplifier and transmitter and the like. J. L. Hogan. 2,249,762; July 22.

Amplifier for wave-form signals. J. O. Parr, Jr. 2,250,132; July 22.

Amplifier for wave-form signals. W. R. Welty. 2,250,144; July 22.

Amplifying system. C. S. Root. 2,250,206; July 22.

Amusement apparatus control. A. H. Bechtol. 2,249,805; July 22.

Anesthetic compounds. R. R. Burtner. 2,250,005; July 22.

Anesthetic compounds. R. R. Burtner. 2,250,006; July 22.

Anesthetic preparation. R. R. Burtner. 2,250,004; July 22.

Animal trap. A. H. Been. 2,250,347; July 22.

Anode and alloy for making same. Z. J. Atlee. 2,250,322; July 22.

Antibacklash mechanism for rotary cutter spindles of machine tools. G. Gorton. 2,250,369; July 22.

Antifriction composition. F. R. Hensel. 2,250,099; July 22.

Apparatus for and method of making collapsible containers. G. J. Shearer. 2,249,859; July 22.

Apparatus for controlling the temperature of fluid baths. R. C. Upton. 2,249,993; July 22.

Apparatus for handling elongated material. J. W. Sheperdson. 2,250,138; July 22.

Apparatus for indicating the amplitude of the sound record made by a sound-film cinematograph camera. H. F. Nissen. 2,249,975; July 22.

Apparatus for removing flux from solder bonded side seams. A. L. Kronquest. 2,250,078; July 22.

Apparatus for testing and sampling well fluid. G. H Ennis. 2,249,815; July 22.

Apparatus for the manufacture of threadlike articles. G. P. Torrence, R. F. Bergmann, and W. F. Knebusch. 2,249,798; July 22.

Apparatus for the manufacture of thread or the like. G. P. Torrence, R. F. Bergmann, and W. F. Knebusch. 2,249,797; July 22.

Apparatus for the production of covers, particularly for conserve containers, comprising rip strips. C. Hummel. 2,250,225; July 22.

Apparatus for the separation of minerals. A. E. Flynn. 2,250,365; July 22.

Apparatus for treating liquids. I. M. Colbeth. 2,249,746; July 22.

Apparatus for uniformly dyeing rayon cakes. E. A. Stienen. 2,250,085; July 22.

Apparatus, useful in measuring engine performance. C. F. Chisholm. 2,250,125; July 22.

Appliance cord spring. A. Sundt and J. A. Drahas. 2,250,042; July 22.

Arm for chairs, Foldable. T. D. Owler. 2,249,849; July 22.

Arrangement for measuring temperatures at a distance, particularly in boreholes. H. G. Doll. 2,249,751; July 22.

Attachment for planters. J. E. Carlson. 2,249,883; July 22.

Automatic furnace. N. M. Lower. 2,250,114; July 22.

Awnings. C. E. Skyum. 2,249,865; July 22.

Azo compound and material colored therewith. J. G. McNally and J. B. Dickey. 2,249,774; July 22.

Azo compounds and material colored therewith. J. B. Dickey and J. G. McNally. 2,249,749; July 22.

Azo dyestuffs and their manufacture. G. Kopp and R. E. M. Gangeux. 2,250,129; July 22.

Back rest for hospital beds. A. Laukhuff. 2,250,026; July 22.

Bag attaching fixture for suction cleaners. H. B. White. 2,250,285; July 22.

Bag turning and lining machine. L. Buttigieg. 2,250,149; July 22.

Balance-ring combination. E. J. Kreh, Jr. 2,249,834; July 22.

Band saw guard and guide. R. S. Baker. 2,250,324; July 22.

Bank and magazine. J. V. Cavalero. 2,249,944; July 22.

Beam control for spotlight. J. M. Roper and A. D. Dircksen. 2,249,785; July 22.

Belt, Laminated driving. H. Brammer. 2,249,726; July 22.

Belt press. H. A. Trishman and G. S. Andrus. 2,250,335; July 22.

Binding. S. L. Gundell. 2,250,018; July 22.

Bit: *See*—
Roller bit.

Boat, Collapsible. F. J. Harman. 2,250,127; July 22.

Boat hull. J. W. Inwood. 2,249,958; July 22.

Boiler cleaner. F. Bowers and H. E. Breisford. 2,249,741; July 22.

Bolt and nut lock. V. H. Van Sant. 2,249,921; July 22.

Bolts and the like, Fabricating center. A. J. Wintle. 2,250,043; July 22.

Bolted joint. C. S. Zigler. 2,250,343; July 22.

Bottle holder, Nursing. J. E. Browning. 2,249,880; July 22.

Bottle vending machine. M. H. Voigtritter. 2,250,087; July 22.

Box: *See*—
Jewelry box. Shuttle box.
Paper box.

Bracket: *See*—
Trolley bracket.

Brake: *See*—
Vehicle brake.

Brake. C. V. Berglund. 2,250,248; July 22.

Brake control apparatus, Automatic train. G. T. McClure. 2,249,967; July 22.

Brake control means. C. H. McKinstry. 2,249,969; July 22.

Brake holding mechanism, Hydraulic. J. V. Cloutier. 2,250,220; July 22.

Brake operating mechanism. G. E. Porter. 2,250,033; July 22.

Brake system. J. W. Logan, Jr. 2,249,965; July 22.

Braking and propulsion controller. E. E. Hewitt. 2,249,955; July 22.

Braking device. G. H. Campion. 2,250,007; July 22.

Broach. W. J. Phaneuf. 2,250,392; July 22.

Building wall. D. Wright. 2,250,319; July 22.

Burner: *See*—
Oil burner.

Burner. M. H. Keating and A. T. Larson. 2,250,304; July 22.

Burner controller, Combination. C. C. Cram. 2,250,360; July 22.

Bushing, High tension. A. A. Skvortzoff and F. J. Vogel. 2,249,862; July 22.

Cabinet for silverware, etc., Display. T. J. Pilliod and F. C. H. Müller. 2,249,851; July 22.

Cable: *See*—
Power cable.

Cables, Manufacture of electric. T. L. Osborne and R. S. Vincent. 2,250,032; July 22.

Cake forming machine, Starch. C. Hagen. 2,249,823; July 22.
Cake of soap. C. Wallace, Jr. 2,250,318; July 22.
Caliper frame, Grinding gauge. H. H. Lewis. 2,249,904; July 22.
Camera, Roll film. W. Baumgärtner. 2,249,929; July 22.
Can aligner. P. L. Vannucci. 2,250,427; July 22.
Can body forming machine. B. F. Saubestre. 2,249,788; July 22.
Cane and corn-stalk stripper. W. W. Clark. 2,250,151; July 22.
Car heater. C. W. Darrah and H. A. Reynolds. 2,249,946; July 22.
Carbonating apparatus, Water. L. Coleman. 2,250,295; July 22.
Carbonator. C. Z. Sutton. 2,249,794; July 22.
Carburetor step-up. L. D. Boyce. 2,250,292; July 22.
Carrier: *See*—
Yarn carrier.
Case: *See*—
Overnight and brief case. Ski case.
Catalytic synthesis. E. W. Riblett. 2,250,421; July 22.
Cathode construction and lamp embodying the same. Z. J. Atlee. 2,250,323; July 22.
Cathode locating and anchoring means for discharge tubes or the like. W. L. Krahl. 2,250,409; July 22.
Cellulosic structures and producing same. W. H. Charch and W. F. Underwood. 2,249,745; July 22.
Cement, Activation of sole attaching. W. S. Rogers. 2,249,855; July 22.
Cement, alkali metal aluminate, and sulphur dioxide, Manufacture of. W. Noll. 2,250,186; July 22.
Chair: *See*—
Theater chair.
Chair. C. C. Dickson. 2,249,750; July 22.
Chair. E. B. Morgan. 2,250,030; July 22.
Chair fastener. H. E. Fulton. 2,249,892; July 22.
Change maker. W. Patzer. 2,250,051; July 22.
Changeable exhibitor. W. J. Bessler. 2,249,879; July 22.
Chuck. W. J. A. McKay and A. J. Koon. 2,250,068; July 22.
Churn. J. W. Umstead. 2,250,142; July 22.
Cigar. M. S. Kayner. 2,250,381; July 22.
Cigarette holder. A. P. Brush. 2,250,178; July 22.
Cigarette holder and ash tray. E. J. Quilty. 2,249,913; July 22.
Circuit: *See*—
Coin control circuit.
Circuit breaker. L. W. Dyer. 2,249,813; July 22.
Circuit breaker, Automatic ignition. K. A. Gill. 2,249,893; July 22.
Circuit breaker, Electric. E. Schulz. 2,250,208; July 22.
Circuit control device for transformers. M. F. Mitschrich. 2,250,165; July 22.
Circuit for vibratory hammers, Inverter. F. H. Gulliksen. 2,249,819; July 22.
Circuit interrupter, Electric. B. R. Hermann. 2,250,195; July 22.
Circuit interrupter, Electric. S. R. Smith, Jr. 2,250,210; July 22.
Circuit-interrupting system. E. W. Boehne. 2,250,217; July 22.
Circuit regenerative receiving system, Coupled. W. A. Schaper. 2,250,277; July 22.
Circuits, Arrangement for tuning high frequency oscillation. W. Buschbeck. 2,250,090; July 22.
Circuits, Indicating and control. H. J. Barney. 2,249,931; July 22.
Clamp: *See*—
Fire-hose clamp.
Clamps and file guide, Bearing. M. G. Westbye and F. L. Hoover. 2,250,145; July 22.
Cleaner: *See*—
Air cleaner. Yarn cleaner.
Boiler cleaner. Windshield cleaner.
Suction cleaner.
Cleaner for dust mops. R. Fraas. 2,250,015; July 22.
Cleaning composition and process for the preparation thereof. C. Johnson. 2,250,379; July 22.
Clipper, Hair. J. A. Hanley. 2,249,825; July 22.
Closure, Slide. L. D. Farney. 2,250,059; July 22.
Clothesline reel. C. A. Sundstrand. 2,250,281; July 22.
Clutch: *See*—
Friction clutch.
Clutch and brake device. A. H. Maynard. 2,250,027; July 22.
Clutch mechanism, Fluid operated. H. J. Criner. 2,250,327; July 22.
Coat, Outdoorman's. G. S. Blagden. 2,249,725; July 22.
Coating material, Heat reflecting temporary. O. E. Mohler. 2,250,185; July 22.
Coeroxane compounds. E. A. Markush, J. J. Malawista, and J. Miller. 2,250,270; July 22.
Coil handling apparatus. C. J. Klein. 2,250,025; July 22.
Coin control circuit. S. W. Allison, J. B. McKim, and T. D. Robb. 2,250,173; July 22.
Coin selector. B. E. Mills. 2,250,047–8; July 22.
Comb, Dispensing. V. N. Trutneff. 2,249,991; July 22.
Compensator for refrigeration control. L. M. Persons. 2,250,438; July 22.
Computing system. H. G. Johnstone and C. W. Robbins. 2,250,108; July 22.
Concrete. J. S. Nelles. 2,250,107; July 22.
Condenser and bushing cap. A. A. Skvortzoff. 2,249,863; July 22.
Condenser charging system. H. Klemperer. 2,250,102; July 22.
Contact device, Liquid. C. G. Suits. 2,250,212; July 22.
Container: *See*—
Cutter dispensing container.
Container. R. M. Bergstein. 2,250,249; July 22.
Container such as a suitcase, attaché case or the like, Collapsible. W. T. Cross. 2,250,126; July 22.
Contrast control for television systems. W. Bünger. 2,250,293; July 22.
Control apparatus. E. C. Raney. 2,250,274; July 22.
Control device for clutch and gear mechanisms, Electrical. E. A. Derungs. 2,250,221; July 22.
Control device for electric translating apparatus. Y. Matusita. 2,250,202; July 22.
Control mechanism. H. E. Lindemann. 2,250,135; July 22.
Control mechanism. K. P. Rado. 2,250,393; July 22.
Control mechanism for lathes, Feed. W. F. Groene and W. A. Kimsey. 2,250,097; July 22.
Control mechanism, Remote. W. P. Lear. 2,249,836; July 22.
Control system. C. A. Martin. 2,249,844; July 22.
Control system. D. R. Shoults and W. D. Cockrell. 2,250,209; July 22.
Control system. W. R. Taliaferro. 2,249,870; July 22.
Control system, Brake. A. J. Sorensen. 2,249,868; July 22.
Control system, Elevator. M. A. Myers. 2,250,272; July 22.
Control system, Remote. R. Alkan. 2,250,344; July 22.
Control system for fuel burners, Automatic. J. M. Wilson. 2,250,120; July 22.
Control system, Temperature. E. D. Schneider. 2,250,207; July 22.
Control system. W. Schaelchlin. 2,249,857; July 22.
Controlling mechanism for agricultural implements. T. Brown. 2,249,807; July 22.
Cooking appliance. H. J. Moon and E. G. Gardner. 2,250,029; July 22.
Cooky forming and cutting machine. E. Jeschke. 2,250,128; July 22.
Cooler plant for aircraft. C. Dornier. 2,249,948; July 22.
Cooling apparatus for compressors. L. B. M. Buchanan. 2,249,882; July 22.
Cordlike bodies, Manufacture of covered flexible. B. and E. Carter. 2,250,008; July 22.
Cornice, Window. J. H. Boye. 2,250,003; July 22.
Coupling: *See*—
Hose coupling.
Coupling. J. T. Kelly. 2,250,199; July 22.
Covering, Protective. T. M. and M. H. Tate. 2,249,734; July 22.
Covering for doors and similar structures. A. A. Abramson. 2,249,927; July 22.
Crankcase ventilating system. W. W. Lowther. 2,250,200; July 22.
Crankshaft supporting means. F. C. Reggio. 2,249,783; July 22.
Cream and like materials and products produced thereby, Fluffing. J. C. Goosmann. 2,250,300; July 22.
Cream separator. R. Edwards. 2,250,363; July 22.
Cuff making method and apparatus. J. I. McDonald. 2,249,968; July 22.
Curb construction. J. W. Reardon. 2,249,979; July 22.
Current-control switch, Welder. F. H. Johnson. 2,250,302; July 22.
Curtain stretcher. W. W. Block. 2,250,057; July 22.
Cut-off machine. A. B. Eastwood. 2,249,814; July 22.
Cutter: *See*—
Glass cutter. Vegetable cutter.
Cutter dispensing container, Double. B. Russell. 2,250,236; July 22.
Cutting machine, Stalk. M. and G. J. Locke. 2,250,103; July 22.
Cyclopentanopolyhydrophenanthrene derivatives and producing same. R. Oppenauer, H. Kaegi, and K. Miescher. 2,249,911; July 22.
Cyclopentanopolyhydrophenanthrene series and making the same, Compounds of the. E. Dane. 2,249,748; July 22.
Cylinder construction for internal combustion engines. T. V. Hemmingsen. 2,250,376; July 22.
Cylinder construction for internal combustion engines. A. Houmoller. 2,250,378; July 22.
Cylinder, High pressure. O. Minder. 2,250,164; July 22.
Dam forming device. W. H. Silver. 2,249,864; July 22.
Damper regulator, Surface type. J. M. Larson. 2,250,111; July 22.
Dampness detecting and indicating device. M. G. Snelling. 2,249,867; July 22.
Degassing liquids. S. C. Carney. 2,249,884; July 22.
Dental implement. P. Brooks. 2,250,058; July 22.
Dental plate. R. S. Hagerman. 2,250,373; July 22.
Deodorizing method. W. M. Allison. 2,250,345; July 22.
Device for controlling the feed movement of a machine part by means of a hydraulic system. A. Thalmann. 2,250,241; July 22.
Device for disinfecting the mouthpieces of telephones. H. L. Kent. 2,250,162; July 22.
Device for lapping tap chasers. H. M. Johnston. 2,250,380; July 22.
Device for loading gasoline into truck tanks. C. A. Kiel. 2,250,227; July 22.

Device for the production of looped fabrics. E. Luchsinger. 2,250,229; July 22.
Device for the production of looped goods. E. Luchsinger. 2,250,230; July 22.
Diaphragm pessary introducer. W. L. Schmitz, Jr. 2,250,037; July 22.
Digger, Posthole. R. J. Piper. 2,250,081; July 22.
Dishwashing machine. W. Rocke. 2,250,314; July 22.
Disk dictating machine. L. Thompson. 2,250,242; July 22.
Dispatching mechanism for alarm signal systems. J. H. Wheelock and F. F. Humphreys. 2,250,054; July 22.
Dispenser: *See*—
Ketchup dispenser. Tooth paste dispenser.
Dispensing apparatus. G. A. Blake. 2,250,351; July 22.
Dispensing device. J. Hubschman. 2,249,832; July 22.
Distributor for heat exchangers. T. Mojonnier. 2,249,846; July 22.
Division stop mechanism for calculators. G. C. Chase. 2,250,403; July 22.
Dog leash, Adjustable. H. A. Wilkins. 2,250,171; July 22.
Door control. F. R. Beal. 2,249,932; July 22.
Door latch, Compartment. E. N. Jacobi. 2,250,023; July 22.
Door locking system. J. W. Fitz Gerald. 2,250,014; July 22.
Dough molder. F. J. Wittmann. 2,249,925; July 22.
Drainage system. C. C. Cash. 2,249,808; July 22.
Drawbar anchor. H. E. Van Dorn. 2,250,426; July 22.
Drawbar and anchor therefor. H. E. Van Dorn. 2,250,425; July 22.
Drive of motor vehicles. O. Hacker. 2,250,372; July 22.
Duplicator, Multiple negative. J. H. Gentry. 2,249,730; July 22.
Dye-spattering machine. H. C. Wolfenden. 2,250,340; July 22.
Dyestuff preparations of high concentration, Preparing water-containing. A. Hardt and A. Funke. 2,250,098; July 22.
Edge setting machine, Automatic. C. G. Brostrom. 2,249,742; July 22.
Egg separator. L. M. Sigler. 2,249,985; July 22.
Ejector, Bobby pin. S. Katz. 2,250,303; July 22.
Elastic fabric. D. M. Clark. 2,250,359; July 22.
Electric circuit interrupter. S. R. Smith, Jr. 2,250,211; July 22.
Electric control apparatus. H. F. Elliott. 2,249,753; July 22.
Electric controller. V. I. Zelov and W. Strauss. 2,250,342; July 22.
Electric furnace, Rotary. J. Ferguson. 2,250,155; July 22.
Electric range. E. Challet. 2,250,357; July 22.
Electric motor, Synchronous. V. J. S. Russell. 2,250,395; July 22.
Electric switch. J. Biermanns. 2,250,216; July 22.
Electrical bond. M. M. Starbird. 2,250,280; July 22.
Electrical condenser and manufacture, Variable. K. A. Duerk. 2,250,329; July 22.
Electrical contact in electrolytic cells. R. E. Hulse. 2,249,765; July 22.
Electrical conductor, Insulated. V. L. Johanneseen. 2,249,959; July 22.
Electrical connection. L. Ferguson. 2,250,156; July 22.
Electrical connection means. C. S. Penfold. 2,249,976–7; July 22.
Electrical control apparatus. H. E. Ashworth. 2,250,214; July 22.
Electrical system for exploring drill holes. E. G. Leonardon. 2,249,769; July 22.
Electrical vehicle. E. C. Le Munyon. 2,249,838; July 22.
Electrical wave amplification. I. G. Wilson. 2,250,172; July 22.
Electrode holder for diathermic applications, Universal. B. Goldenstein. 2,249,894; July 22.
Electrode means for use in short-wave diathermay treatment. C. J. Birtcher. 2,249,935; July 22.
Electrode supporting structure. W. E. Moore. 2,249,776; July 22.
Electron discharge device. G. K. Teal. 2,250,283; July 22.
Electron discharge tube. C. F. Miller. 2,250,184; July 22.
Electron discharge tube and manufacture. C. F. Miller. 2,250,183; July 22.
Electrostatic pulsations, Producing. M. L. Severy. 2,250,069; July 22.
End heating device. D. Pisarev. 2,249,909; July 22.
Engine and method of fueling the same. M. G. Fiedler. 2,250,364; July 22.
Engine drive for drawworks, Auxiliary. S. W. Webster. 2,249,873; July 22.
Eraser, Blackboard. J. H. Oxley. 2,249,912; July 22.
Esters, Manufacture of nitric acid. G. E. Hinds. 2,249,829; July 22.
Esters, Preparing stable cellulose. C. J. Malm and G. A. Kirton. 2,250,201; July 22.
Esters, Production of alkyl. E. L. Kropa. 2,249,768; July 22.
Ether, Low substituted alkyl cellulose. D. C. Ellsworth and F. C. Hahn. 2,249,754; July 22.
Excavating, loading, transporting, and placing machine, Material. E. R. Barrett. 2,250,289; July 22.
Expansion valve. J. E. Dube. 2,250,362; July 22.
Extension ladder and elevator. M. Honig. 2,249,900; July 22.
Extractor: *See*—
Fruit juice extractor.
Fabric: *See*—
Elastic fabric. Tubular fabric.
Facial control. E. H. Schwyn. 2,249,790; July 22.
Fastener: *See*—
Chair fastener. Separable fastener.
Fastener. W. L. Henry. 2,250,160; July 22.
Fastener member and fastener installation. C. L. Hall. 2,249,895; July 22.
Fastener unit and its assembly. C. G. Olson. 2,250,050; July 22.
Fastening means for detachably securing handles to operating shafts. G. F. Turner. 2,249,872; July 22.
Fermentation. A. S. Schultz, L. Atkin, and C. N. Frey. 2,249,789; July 22.
Fertilizer distributor attachment. C. H. White. 2,249,874; July 22.
Filament formation, Continuous. J. W. Aliquist and O. Oppenlaender. 2,249,928; July 22.
Film splicer. A. E. Gavin. 2,250,194; July 22.
Filter: *See*—
Oil filter.
Fire escape. E. C. Hammill. 2,249,897; July 22.
Fire foam producing composition. E. F. Goodner and F. W. Dittus. 2,250,182; July 22.
Fire hose clamp. W. L. Bjarnson. 2,250,122; July 22.
Fitting for automobile-body heating system. Q. G. Noblitt and E. C. Booth. 2,250,117; July 22.
Flare. R. F. Hutt. 2,250,198; July 22.
Float valve. E. M. May. 2,250,130; July 22.
Floor washing machine. N. Boccasile. 2,250,177; July 22.
Flotation frother. L. J. Christman and D. W. Jayne, Jr. 2,250,190; July 22.
Fluid dispensing apparatus. W. M. Carroll. 2,250,326; July 22.
Fluid drive. H. W. Robinson. 2,250,082; July 22.
Fluid level in a drill string, Controlling the. R. E. Tinsley. 2,249,990; July 22.
Fluid pressure cylinder locking mechanism. J. A. Palmer. 2,249,850; July 22.
Fluid pressure motor device. A. Neveu. 2,249,974; July 22.
Fluid pump. F. H. Johnston and A. E. Du Bois. 2,250,419; July 22.
Fluid sealing device. K. A. Beier. 2,250,348; July 22.
Fluorescent material in cathode-ray tube manufacture. Applying. C. H. Bachman. 2,250,189; July 22.
Folder, Novelty. A. B. Comroe. 2,250,093; July 22.
Folding ironing table. C. W. Sadenwater. 2,249,983; July 22.
Folding table. E. H. Mitchell. 2,249,845; July 22.
Food preparing device. E. Meyer and J. Braunwalder. 2,249,972; July 22.
Footstool adapted for use with sanitary closets. R. G. Finlay. 2,250,060; July 22.
Fork, Brick unit handling. H. Priester. 2,250,273; July 22.
Fountain pen. M. Kálmán. 2,249,961; July 22.
Fracture reduction and retention device. J. J. Ettinger. 2,250,417; July 22.
Frame: *See*—
Caliper frame.
Frequency control circuits. K. R. Wendt. 2,250,284; July 22.
Frequency regulation. J. F. Morrison. 2,250,104; July 22.
Friction clutch. H. V. Reed. 2,250,394; July 22.
Fruit juice extractor. H. Fromm. 2,249,817; July 22.
Fuel burner control system. A. H. Lockrae. 2,250,113; July 22.
Fuel supply chamber. S. M. Udale. 2,249,992; July 22.
Furnace: *See*—
Automatic furnace. Electric furnace.
Furnace. J. E. Trainer. 2,249,799; July 22.
Fuse, High tension. K. Dannenberg. 2,249,945; July 22.
Garment bag rack. O. Biersch. 2,250,251; July 22.
Garment for ladies. C. A. Cornibert and H. J. Levi. 2,250,094; July 22.
Garment hanger. W. H. Angove. 2,250,245; July 22.
Gas cock. L. V. Brumbaugh. 2,250,356; July 22.
Gauge: *See*—
Caliper frame grinding gauge.
Gauge. S. J. Harley and J. E. Wainwright. 2,250,076; July 22.
Gauge for measuring and checking dimensions and forms. H. Hellberg, H. J. Haycock and C. L. Hellberg. 2,249,954; July 22.
Gearing, Speed reducing. B. Foote, Jr. 2,250,259; July 22.
Generator: *See*—
Periodic wave generator.
Gin with fire front, Huller type. J. J. Wallace. 2,250,431; July 22.
Glass cutter. R. S. Grube. 2,250,159; July 22.
Glass feeding. P. Kucera. 2,250,110; July 22.
Glycols, Manufacture of. F. J. Smith. 2,249,986; July 22.

Golf ball repainting machine. L. M. Helton. 2,250,224; July 22.
Golf club. N. P. Vickery. 2,250,429; July 22.
Golf club. N. P. Vickery. 2,250,441; July 22.
Golf shaft. N. P. Vickery. 2,250,428; July 22.
Granular solids, Manufacture of dried. A. B. Jones. 2,249,960; July 22.
Ground tilling implement. H. C. Ober. 2,250,391; July 22.
Guider. L. C. Stowell. 2,250,053; July 22.
Guitar. T. E. Towell. 2,250,402; July 22.
Gumming envelopes and similar sheet materials. J. A. Mattera. 2,249,773; July 22.
Gun barrel construction. J. W. Hogg. 2,249,899; July 22.
Gun, Casing perforating. F. I. Alexander. 2,250,055–6; July 22.
Gun sight. L. H. Brown. 2,250,179; July 22.
Gyro vertical. L. F. Carter. 2,249,744; July 22.
Gyroscopes, Speed control of rotor. W. A. Reichel. 2,249,914; July 22.
Hairbrush. H. Larson. 2,250,112; July 22.
Hanger: *See*—
Garment hanger.
Hanger for aerial tramways. G. R. Whittum. 2,250,339; July 22.
Harness motion. C. D. Brown. 2,250,412; July 22.
Head lamp. G. A. Petermann. 2,249,908; July 22.
Heat exchanger. G. W. Gerstung. 2,249,952; July 22.
Heater: *See*—
Car heater. Shoe heater.
Portable heater.
Heater. O. E. Williams. 2,250,146; July 22.
Heating and ventilating apparatus, Vehicle. J. R. Holmes. 2,249,957; July 22.
Heating system, House. H. F. Eastwood and E. A. Schryber. 2,250,330; July 22.
Hitch device for agricultural implements. W. Vutz 2,250,317; July 22.
Holder: *See*—
Bottle holder. Pipe sleeve holder.
Cigarette holder. Portable holder.
Mop holder. Steel wool holder.
Hollow articles, Manufacture of seamless. W. G. F. Westbrooke. 2,250,338; July 22.
Hopper body, Side discharge. E. B. Hill. 2,250,262; July 22.
Hose connection, Flexible steam. H. S. Rohm. 2,250,205; July 22.
Hose coupling. J. N. White. 2,250,286; July 22.
Hose decorating method and apparatus. A. F. Branan. 2,249,939; July 22.
Hosiery. E. Eissner and A. Verbeek. 2,250,257; July 22.
Hydrant, Frangible. D. F. O'Brien. 2,249,848; July 22.
Hydraulic fluid. A. G. Weber. 2,249,800; July 22.
Hydraulic motor or pump. H. J. Nathan. 2,250,031; July 22.
Hydraulic turret press, Electrically controlled. P. J. Lindner. 2,249,964; July 22.
Hydrocarbon catalysis process. R. E. Burk and E. C. Hughes. 2,250,415; July 22.
Hydrocarbon fluids, Treating. J. H. Rickerman and A. L. Baker. 2,250,052; July 22.
Hydrocarbon gases and liquids, Separating. S. C. Carney. 2,249,885; July 22.
Hydrocarbons, Catalytic conversion of. J. R. Wilson. 2,249,924; July 22.
Hydrocarbons, Catalytic treatment of. A. J. van Peski 2,250,410; July 22.
Hydrocarbons, Halogenation of saturated. W. E. Vaughan and F. F. Rust. 2,249,922; July 22.
Hydrocarbons, Isomerization of. W. C. B. Smithuysen. 2,250,118; July 22.
Hydrocarbons, Purification of valuable. F. J. Soday. 2,249,793; July 22.
Hydrocarbons, Utilization of normally gaseous. R. E. Burk. 2,250,416; July 22.
Ice cream dispensing device. R. A. Cameron. 2,250,150; July 22.
Ice formation on the wings or other parts of aircraft, Prevention of. D. C. Bulloch. 2,249,940; July 22.
Impedance transformation means. N. E. Lindenblad. 2,249,963; July 22.
Incandescent lamps, Manufacture of vacuum electric. R. E. Leeds and M. Pirani. 2,250,228; July 22.
Inclinograph. W. W. Cross. 2,249,728; July 22.
Inclinometer. G. Kodal. 2,249,901; July 22.
Indexing mechanism, Linear. S. J. Hanley and G. Olah. 2,249,898; July 22.
Insole construction. J. J. White and H. M. Florshein. 2,249,995; July 22.
Insulating compound, Exothermic. J. L. Coble. 2,250,009; July 22.
Insulator. C. D. Croskey and D. H. Rowland. 2,250,044; July 22.
Internal combustion method. J. J. Wydler. 2,249,907; July 22.
Iron: *See*—
Posture chair iron.
Isocytosine, Preparation of. E. Kuh. 2,250,332; July 22.
Jewelry box. J. R. Dean. 2,250,433; July 22.
Joint: *See*—
Bolted joint.
Ketchup dispenser. F. W. Sprout. 2,249,919; July 22.
Knife, Stencil. W. G. Schwartzkopf. 2,250,237; July 22.
Knitting machine, Wrap stripe. R. H. Lawson. 2,250,307; July 22.
Knitting needle latch. C. L. Page. 2,249,780; July 22.
Lamp: *See*—
Head lamp. Vehicle lamp.
Latch: *See*—
Door latch. Mailbox door latch.
Knitting needle latch.
Lathe, Machine. O. W. Johnson. 2,250,161; July 22.
Leuco compounds of anthriquinone vat dyestuffs, Production of stable. J. Mueller and W. Muenster. 2,249,973; July 22.
Liquid circulator. W. Rocke. 2,250,315; July 22.
Liquid column responsive device. G. Wünsch. 2,250,341; July 22.
Load carrier for aircraft. G. Steuerlein. 2,250,240; July 22.
Load regulating system, Plant. C. C. Levy. 2,249,840; July 22.
Lock extension unit. W. R. Schlage. 2,250,036; July 22.
Locking device. J. M. Hothersall. 2,249,764; July 22.
Loom harness control. E. E. Gilmore. 2,250,061; July 22.
Loop receiver, All-wave. D. Grimes. 2,250,370; July 22.
Loop-taker for sewing machines. S. Zonis. 2,250,121; July 22.
Lubricant. R. Kapp and K. T. Steik. 2,250,265; July 22.
Lubricant. B. H. Lincoln, W. L. Steiner, and A. Henriksen. 2,250,384; July 22.
Lubricant-carrying means. W. S. Boehm. 2,250,123; July 22.
Lubricating device. D. Berguist. 2,250,340; July 22.
Lubrication apparatus. R. Marsland. 2,249,843; July 22.
Lure, fish. J. McArthur. 2,249,770; July 22.
Machine for applying edge-binding strips. T. J. Doyle. 2,249,811; July 22.
Machine for applying edging to shoe soles. F. G. Douglass. 2,249,810; July 22.
Machine for bending sole margins. E. S. Nokes. 2,249,779; July 22.
Machine for handling thread. F. W. Thomas. 2,249,988; July 22.
Machine for vending bottled beverages. M. H. Voigtritter. 2,250,086; July 22.
Magnetic blowout. C. M. Garner. 2,250,016; July 22.
Mailbox door latch, Rural. J. E. Gilstrap. 2,249,731; July 22.
Maleic acid, Dehydration of. G. B. Campbell and F. Porter. 2,250,091; July 22.
Match book. C. C. Baldwin. 2,250,000; July 22.
Material to be used in connection with yarn sizing. F. W. Mayer and E. D. Cole. 2,250,115; July 22.
Matrix for electroforming foraminous sheet. E. O. Norris. 2,250,435; July 22.
Matrix for the electrodeposition of foraminous sheet. E. O. Norris. 2,250,436; July 22.
Metal scaffolding and like structures, Tubular and other. J. Burton. 2,249,941; July 22.
Metallic bodies, Producing tubular. W. H. Millspaugh. 2,249,775; July 22.
Metalworking apparatus. V. Grey. 2,250,017; July 22.
Meter: *See*—
Visibility meter.
Method and apparatus for delivering articles to and picking articles up from ships. R. C. du Pont. 2,249,752; July 22.
Method and apparatus for electrical precipitation. H. J. White. 2,249,801; July 22.
Method and apparatus for making coated metal. M. Schon. 2,250,398; July 22.
Method and apparatus for treating fruit. B. C. Skinner. 2,249,792; July 22.
Method and apparatus for treating sewage. G. T. Brownell and W. J. Woodhams. 2,249,739; July 22.
Method and apparatus for the twisting of thread. H. O. Naumann and W. S. Bridges. 2,249,777; July 22.
Method and device for registering forms for multicolored printing. B. I. Kaye. 2,250,266; July 22.
Mold: *See*—
Transfer mold.
Moldable plastic composition. M. C. Dodge. 2,249,888; July 22.
Molding apparatus. A. Henderson. 2,250,020; July 22.
Mono-olefins, Manufacture of derivatives of aryl substituted. H. M. Stanley and J. B. Dymock. 2,249,987; July 22.
Mop holder. F. A. Spelk. 2,250,071; July 22.
Moth trap for beehives. P. L. Clipp. 2,250,152; July 22.
Motor: *See*—
Electric motor. Tube cleaner motor.
Motor vehicle. J. G. Vincent. 2,250,316; July 22.
Motor vehicle having air cooled rear engine. M. Klavik. 2,250,382; July 22.
Mounting: *See*—
Slasher machine mounting.
Multiple pole plug. W. P. Herman. 2,249,827; July 22.
Musical instrument. F. A. Firestone. 2,250,258; July 22.
Musical instrument. J. A. Koehl. 2,250,065; July 22.
Musical instrument. J. Manatt. 2,250,066; July 22.
Nail set and patch hole making tool, Combination. E. Dugaw. 2,250,434; July 22.

Nailing machine, Loose. C. A. Robinson. 2,249,784; July 22.
Necktie, Twin end. J. A. Hirsch. 2,250,063; July 22.
Negatives in metal of solid objects or surfaces, Making. R. A. Axline, H. S. Ingham, and A. P. Shepard. 2,250,246; July 22.
Nose pad arm construction. L. Vitolo. 2,250,336; July 22.
Nozzle structure for spray guns. W. B. MacMartin. 2,249,771; July 22.
Nut tapping machine. H. Goldberg. 2,249,758; July 22.
Oil burner. C. T. Asbury. 2,249,878; July 22.
Oil filter. H. W. Downing. 2,250,299; July 22.
Oil, Lubricating. C. E. Wilson. 2,250,188; July 22.
Oil well fishing tool. H. W. Shannon. 2,250,440; July 22.
Oil wells, Cementing. P. S. Pustmueller. 2,249,852; July 22.
Oil wiper. R. M. Hays. 2,250,374; July 22.
Oils, fats, and waxes, Bleaching. A. Noder. 2,250,203; July 22.
Opener, Wrench and jar. G. M. Sacerdote. 2,249,786; July 22.
Optical objective. A. Warmisham. 2,250,337; July 22.
Opticle system for exposure meters. M. James. 2,249,833; July 22.
Ore for blast furnaces, Synthetic. C. E. Agnew. 2,250,213; July 22.
Organic materials, Purifying. R. B. Colgate and E. E. Dreger. 2,250,092; July 22.
Oven for gas ranges. C. H. Hoffstetter. 2,249,733; July 22.
Overnight and brief case, Composite. S. H. Lifton. 2,249,905; July 22.
Package-stop of winding mechanisms, Automatic. F. Rosskopf. 2,250,083; July 22.
Packing for insulators in sparking plugs. J. Bruck. 2,250,355; July 22.
Packing for stuffing boxes and the like. C. M. Roe. 2,249,981; July 22.
Pad for diathermy applicators, Disposable asborbent. C. J. Birtcher. 2,249,936; July 22.
Paint, Resin base water. C. Barrell. 2,250,346; July 22.
Panel for pianos and the like, Reversible front. J. Pfaff. 2,249,978; July 22.
Pantie. E. Cadous. 2,250,218; July 22.
Paper box. S. P. Cohn. 2,250,010; July 22.
Pen, Fountain. A. Calo. 2,250,180; July 22.
Periodic wave generator. H. A. Wheeler. 2,250,170; July 22.
Permanent waver. J. Cirillo. 2,250,358; July 22.
Petroleum emulsions, Breaking. C. M. Blair, Jr. 2,250,176; July 22.
Petroleum emulsion, Breaking. M. De Groote. 2,250,408; July 22.
Petroleum emulsion, Breaking. M. De Groote and B. Keiser. 2,250,404–7; July 22.
Phase modulation. M. G. Crosby. 2,250,296; July 22.
Phase shifting network. C. A. Woods, Jr. 2,249,877; July 22.
Phonograph record. B. H. Shuemaker. 2,250,140; July 22.
Photograph projector plate. A. V. Ditty and A. J. Bradford. 2,250,298; July 2.
Piezoelectric plate. R. Bechmann. 2,249,933; July 22.
Piling, Sheet. L. R. Gifford. 2,249,818; July 22.
Pipe sleeve holder. E. E. Hall. 2,249,824; July 22.
Piston ring. E. R. Hellman. 2,250,062; July 22.
Planter, Corn. J. A. Weimer. 2,250,073; July 22.
Planter frame and adjusting means therefor. C. W. Michael. 2,250,312; July 22.
Plow, Two way. W. H. Silver. 2,249,861; July 22.
Plug: *See*—
Multiple pole plug.
Plug inserting and removing apparatus. J. R. Yancey. 2,250,244; July 22.
Plug valve. S. C. Carter. 2,250,124; July 22.
Pocket article device. R. E. Daniels. 2,250,328; July 22.
Pocket tool. M. Berg. 2,250,290; July 22.
Polyesters, Preparing linear. C. S. Fuller. 2,249,950; July 22.
Porcelain dental appliance, Making. G. G. J. Dröge. 2,249,890; July 22.
Portable heater. H. Weldon. 2,250,074; July 22.
Portable holder. C. V. Cullinan. 2,250,361; July 22.
Posture chair, Iron. W. F. Herold. 2,249,828; July 22.
Powder measuring machine. L. E. Simon and P. V. di Cosmo. 2,249,791; July 22.
Power cable, Electrical. H. Sonnenfeld. 2,250,239; July 22.
Power lawn mower. T. B. Funk. 2,250,418; July 22.
Power transmission. T. B. Doe. 2,249,947; July 22.
Power transmission. R. S. Miller. 2,250,389; July 22.
Preparation of ammonium thiocyanate. L. L. Lento, Jr. and D. W. Jayne, Jr. 2,249,962; July 22.
Press: *See*—
Belt press. Screw press.
Hydraulic turret press.
Press. R. T. Anderson. 2,249,724; July 22.
Pressing rack. H. Platnik. 2,250,105; July 22.
Pressure relief device, Cooling system. D. B. Mecorney. 2,249,971; July 22.
Pressure tank, Symmetrically shaped and easily duplicated. S. H. Brooks. 2,250,250; July 22.
Printing and enlarging table. J. F. Lary. 2,250,309; July 22.
Printing plate anchorage. G. E. Bomberger and H. H. Niederauer. 2,249,938; July 22.
Process. T. G. Finzel. 2,249,756; July 22.
Process and apparatus for forming tubing. W. Wade. 2,250,430; July 22.
Process and apparatus for treating food materials. W. E. Nicholoy. 2,250,116; July 22.
Projector. J. E. Bancroft. 2,250,174; July 22.
Projector apparatus, Picture. A. V. Ditty and A. J. Bradford. 2,250,297; July 22.
Protection means for water wall furnaces. R. L. Beers. 2,249,934; July 22.
Protective shield support. J. T. Riddell. 2,250,275; July 22.
Protector: *See*—
Abdominal protector.
Pump: *See*—
Fluid pump. Slush pump.
Pump. B. Bogoslowsky, 2,249,806; July 22.
Pump or motor, Variable delivery. E. K. Benedek. 2,250,147; July 22.
Pumping apparatus for oil wells. W. M. Mansfield. 2,249,842; July 22.
Rack: *See*—
Garment bag rack. Pressing rack.
Radio apparatus. E. F. McDonald, Jr. 2,250,387; July 22.
Radio frequency tuner unit. R. W. Frisbee. 2,250,366; July 22.
Radio receiver. M. B. Long. 2,250,268; July 22.
Rake, Garden disk. F. Werb. 2,250,075; July 22.
Razor. W. Berry. 2,250,350; July 22.
Reamer, Off center. P. F. Green. 2,249,732; July 22.
Receiver, All-wave loop. D. Grimes. 2,250,370; July 22.
Recovery method for cyclic vapor phase reaction products. I. L. Murray. 2,249,847; July 22.
Reel: *See*—
Clothesline reel.
Reel mechanism. B. P. Lockwood. 2,250,269; July 22.
Refrigerating apparatus. S. M. Bäckstrom. 2,249,737; July 22.
Refrigeration. C. T. Ashby. 2,250,288; July 22.
Refrigeration. G. A. Brace. 2,250,254; July 22.
Refrigerator and air conditioner, Combination. P. Maniscalco. 2,250,386; July 22.
Refrigerator control switch. L. M. Persons. 2,250,437; July 22.
Register control for paper cutting machines. F. H. Gulliksen. 2,249,820; July 22.
Regulating apparatus. C. R. Hanna. 2,249,826; July 22.
Regulating system. I. E. Cole. 2,249,747; July 22.
Regulator: *See*—
Damper regulator.
Relay device. C. F. Warrick. 2,249,994; July 22.
Relay, Thermal overload. G. C. Armstrong. 2,249,804; July 22.
Resistor. C. C. Whittaker. 2,249,876; July 22.
Resonant system for ultra short waves. W. Engbert. 2,250,096; July 22.
Rheostat control. J. H. Brownfield. 2,249,738; July 22.
Ring: *See*—
Piston ring.
Ring gear mounting for rotary driers, kilns, and similar equipment. H. W. How. 2,249,831; July 22.
Rocky material, Breaking down and dislodging. T. Seaman. 2,250,137; July 22.
Roller bit, Nontracking. J. A. Zublin. 2,249,926; July 22.
Roof construction, Trussless. J. F. Blaski. 2,250,175; July 22.
Rotary hook for sewing machines, Ventilated. J. D. Karle. 2,250,420; July 22.
Rubber articles, Treating thin. G. A. Fingado and H. Ludwig. 2,249,755; July 22.
Rubber chloride composition. C. O. North. 2,250,232; July 22.
Rubber products, Manufacture of expanded. G. R. Cuthbertson. 2,250,192; July 22.
Safety device for electric motors. E. B. Thurston. 2,250,141; July 22.
Safety valve, Thermostatically controlled. F. McKune and C. Bergh. 2,249,970; July 22.
Salt of hydrogenated rosin, Alkali metal. I. W. Humphrey. 2,249,766; July 22.
Salts of water-soluble derivatives of insoluble azo dyestuffs, Double. J. Heyna. 2,249,956; July 22.
Scale, Weighing and counting. O. S. Carliss. 2,250,294; July 22.
Screw and nut fastening. C. J. Whitcombe. 2,249,923; July 22.
Screw press. R. T. Anderson. 2,249,736; July 22.
Seal. W. W. Meyer. 2,250,311; July 22.
Seal, Water pump. C. S. Bailey and H. A. Reynolds, 2,249,930; July 22.
Seal, Vulcanizer. F. I. Honderich. 2,250,196; July 22.
Sealing device. A. Hollander and V. A. Hoover. 2,249,763; July 22.
Sealing means for hydraulic valve tappet construction and the like. E. L. Dayton. 2,250,011; July 22.
Seaming apparatus. P. Bogner. 2,250,002; July 22.
Seat and berth arrangement, Convertible. E. G. Emery, Jr., and H. T. Patten, Jr. 2,250,193; July 22.

Seizing and serving tool. H. M. Quinn. 2,250,080; July 22.
Separable fastener. C. L. Hall. 2,249,896; July 22.
Separable fastener. B. C. Place. 2,249,910; July 22.
Separator: *See*—
Cream separator. Egg separator.
Separator. A. S. Juelson. 2,250,226; July 22.
Server, Canned liquid. F. W. Sprout. 2,249,918; July 22.
Serving head. G. E. Phillips. 2,249,781; July 22.
Servo control. N. C. Price. 2,250,035; July 22.
Setting coating compositions. A. J. Pingarrón. 2,249,782; July 22.
Sewing kit, Universal. J. H. Reichart. 2,249,980; July 22.
Sewing machine control mounting. M. Taigman. 2,249,871; July 22.
Sharpening apparatus, Saw. E. J. Bucknam. 2,249,743; July 22.
Shield, Fender. G. W. Schatzman. 2,250,136; July 22.
Shifting device, Pole. J. P. Perkowski. 2,249,907; July 22.
Shingle and application, Strip. J. P. Wilson. 2,250,432; July 22.
Shipping and display package, Combined. W. T. Bouchelle. 2,249,881; July 22.
Shoe heater. R. B. Harrison and L. E. Alley. 2,249,760; July 22.
Shuttle box. C. D. Brown. 2,250,414; July 22
Sight, Adjustable. D. W. King. 2,250,109; July 22.
Signal: *See*—
Pressure signal. Traffic signal.
Signal means, Vehicle. E. S. Pearce and E. C. Karibo. 2,250,133; July 22.
Signaling system. F. A. Hubbard. 2,250,100; July 22.
Signaling system. S. F. Nelson. 2,249,778; July 22.
Signaling system. T. C. Rehm. 2,249,854; July 22.
Silver iodide composition, Colloidal. M. G. Minaeff, J. P. Greze, and R. J. Priepke. 2,250,390; July 22.
Sinker, Fishing. J. R. Sink. 2,250,038; July 22.
Ski case. O. C. Mickelberg. 2,250,388; July 22.
Slasher machine exhaust. C. Sims. 2,250,399; July 22.
Sliding door fastener for railway cars. G. Madland. 2,250,310; July 22.
Slush pump. J. H. Wilson. 2,249,802; July 22.
Snap fastener stud member. J. Kral. 2,249,902; July 22.
Sofa or divan. P. H. Bonnet and H. Zellick. 2,250,148; July 22.
Solid fuel to reduce dustiness, Treatment of. L. T. Work and R. E. Zetterstrand. 2,250,287; July 22.
Space charge compensation. W. F. Fathauer. 2,250,301; July 22.
Space discharge tube. A. Schleimann-Jensen. 2,250,187; July 22.
Spectacles. J. P. Williams. 2,250,243; July 22.
Spot welder tip. K. F. Bohn. 2,249,937; July 22.
Sprayer plate, Multiple atomizing. J. McDonald. 2,250,079; July 22.
Spraying device. H. R. Rich. 2,250,034; July 22.
Spring: *See*—
Appliance cord spring.
Spring assembly. G. A. Stackhouse. 2,250,039; July 22.
Spring assembly for mattresses, cushions, and the like. V. Asaro. 2,249,999; July 22.
Spring assembly or unit. N. Ely. 2,250,013; July 22.
Spring coupling fastening device. G. A. Tinnerman. 2,250,072; July 22.
Spring-forming machine. W. E. Wunderlich. 2,249,996; July 22.
Spring suspension for road vehicles. L. M. Ballamy and R. H. Sheepshanks. 2,250,247; July 22.
Spring suspension for vehicle wheels. P. M. Heinmiller. 2,250,019; July 22.
Stack switch. L. M. Persons. 2,250,439; July 22.
Stamp and the like. F. W. Humphner. 2,250,197; July 22.
Steel wool holder. D. A. Butler. 2,249,727; July 22.
Stock feeding means for hollow rotary spindles. S. Baxendale. 2,250,088; July 22.
Stoker, Automatic. G. H. Crocker. 2,250,181; July 22.
Stoker, Mechanical. J. Martin. 2,250,067; July 22.
Stopper, Ink bottle. T. Higgins. 2,250,046; July 22.
Storage cell with radial plates. J. R. Parkington. 2,250,233; July 22.
Structural member. J. E. Bowen. 2,250,253; July 22.
Structural unit. F. S. Baker. 2,250,411; July 22.
Suction cleaner. C. H. Sparklin. 2,250,279; July 22.
Suction cleaner. E. R. Swann. 2,250,282; July 22.
Sugar refining. C. W. Taussig and A. C. Roland. 2,249,920; July 22.
Sulphonate, Alkyl hydroxy aromatic. L. H. Flett. 2,249,757; July 22.
Sump pump priming device. P. S. Morgan. 2,250,271; July 22.
Support: *See*—
Protective shield support.
Support for hand tools, Spring. R. E. Duplessis. 2,249,812; July 22.
Support for pictures, Extensible. N. G. Horwitt. 2,250,263; July 22.
Supporter, Back. C. G. Lins. 2,250,267; July 22.
Surgical device. A. Longoria. 2,249,906; July 22.
Swaging apparatus for cores and spools. J. B. Seever. 2,249,984; July 22.
Switch: *See*—
Current controlled switch. Time switch.
Electric switch. Stack switch.
Refrigerator control switch.
Switch. P. S. Bear and H. E. Bucklen. 2,250,001; July 22.
Switch. W. H. Fischer. 2,249,949; July 22.
Switching device for synchronous motors, Angular. F. H. Gulliksen. 2,249,821; July 22.
Swivel for fishing tackle. J. R. Skoverski. 2,250,278; July 22.
Synchronizing system. R. L. Campbell. 2,249,943; July 22.
System for feeding a single utilization circuit with energy at two frequencies. N. E. Lindenblad. 2,250,308; July 22.
Table: *See*—
Folding table. Printing and enlarging table.
Folding ironing table.
Tank: *See*—
Pressure tank.
Target. I. O. Mossberg. 2,250,166; July 22.
Target, Flying. S. H. Bingham, Jr., and G. J. Higgins. 2,250,252; July 22.
Telegraph apparatus. F. Warburton. 2,250,143; July 22.
Telephone ringing system. S. B. Ingram. 2,250,264; July 22.
Telephone system. F. A. Hubbard. 2,250,101; July 22.
Television system and synchronizing means therefor. R. L. Campbell. 2,249,942; July 22.
Template, Curb. R. G. Ferris. 2,250,222; July 22.
Tensiometer control system. G. P. Lessmann. 2,249,839; July 22.
Testing device, Illuminated. R. R. Schieck. 2,250,084; July 22.
Textile printing apparatus. M. N. Bulford. 2,250,089; July 22.
Textile process. W. Whitehead. 2,249,875; July 22.
Theater chair. M. W. Hard. 2,250,223; July 22.
Thermal control. C. H. Dayton. 2,249,886; July 22.
Thermal device. E. L. Barnes. 2,250,325; July 22.
Thermometer and mounting. F. A. Nodine. 2,250,231; July 22.
Thermometer mount. J. W. Young. 2,250,320; July 22.
Thermostat. P. R. Lee. 2,249,837; July 22.
Thermostat trip device. C. H. Dayton. 2,249,887; July 22.
Thermostatic lock for the closures of combustion apparatus or the like. T. B. Focke and E. W. Cheeseman. 2,250,045; July 22.
Thiophosphates, Mixed triaryl. C. L. Moyle. 2,250,049; July 22.
Thread twisting. C. F. Gram. 2,249,759; July 22.
Threads, filaments, films, and the like, Manufacture and production of artificial. H. J. Hegan. 2,250,375; July 22.
Tie-wire construction for coil springs. E. W. Krueger. 2,250,163; July 22.
Time switch. L. A. Pfleger. 2,250,168; July 22.
Tire pressure signal. H. G. Henry. 2,250,077; July 22.
Tool: *See*—
Oil well fishing tool. Seizing and serving tool.
Pocket tool. Weeding tool.
Tooth paste dispenser. M. E. Hoffman. 2,250,022; July 22.
Toy, Aerial effect. S. I. Berger. 2,250,215; July 22.
Track circuit apparatus. H. A. Thompson. 2,249,989; July 22.
Traffic controlling apparatus, Railway. R. K. Crooks. 2,250,191; July 22.
Traffic signal. L. M. Esbeck. 2,250,154; July 22.
Train control system, Continuous inductive. W. H. Reichard. 2,250,235; July 22.
Transfer mold. M. A. Brock and H. W. Winkle. 2,250,354; July 22.
Transfer mold and process. M. A. Brock and H. W. Winkle. 2,250,353; July 22.
Transmission means, Energy. W. H. Fulton. 2,249,951; July 22.
Transmitting device, Television. E. Schwarzer. 2,250,169; July 22.
Transporting vehicle, Tractor. H. P. Simmons. 2,250,070; July 22.
Trap: *See*—
Animal trap.
Traveling or other type of bag. T. and J. Loos, Jr. 2,249,841; July 22.
Trimethylolnitromethane, Purifying. R. F. B. Cox. 2,250,255-6; July 22.
Trolley bracket. R. W. Niles and T. C. Pew. 2,250,167; July 22.
Trolley system control. K. C. Randall. 2,249,853; July 22.
Tube: *See*—
Electron discharge tube. Space discharge tube.
Tube cleaner motor. P. E. Good. 2,250,368; July 22.
Tubular fabric, Narrow. B. J. Goldsmith. 2,250,261; July 22.

Turnstile. W. J. Kennedy. 2,250,305; July 22.
Type roller and mounting. J. Schmutz. 2,250,397; July 22.
Underground structures, Determining. J. J. Jakosky. 2,250,024; July 22.
Unwinding machine. H. W. Gilbert. 2,250,367; July 22.
Urea-formaldehyde coating compositions, Aqueous. E. Theis. 2,249,795; July 22.
Vacuum breaker for water systems. E. W. N. Boosey. 2,250,291; July 22.
Valve: *See*—
Expansion valve. Plug valve.
Float valve. Safety valve.
Valve. F. H. Rutherford and E. B. Whitmarsh. 2,249,982; July 22.
Valve control, Relief. D. L. Hofer. 2,250,021; July 22.
Valve operating mechanism. B. O. Graham. 2,249,953; July 22.
Vapor condensing means. J. Slepian, A. H. Toepfer, and W. M. Brubaker. 2,249,866; July 22.
Vegetable and fruit skin removing device. B. N. Savage. 2,249,787; July 22.
Vegetable cutter. J. A. Miller. 2,250,028; July 22.
Vehicle: *See*—
Electrical vehicle. Transporting vehicle.
Motor vehicle.
Vehicle brake. H. W. Sheldrick. 2,249,860; July 22.
Vehicle lamp. F. W. Schwinn. 2,249,858; July 22.
Vehicle lifting and vibrating device. E. Aron. 2,250,321; July 22.
Vehicle suspension. R. W. Pointer. 2,250,134; July 22.
Vehicle wheel. D. O. Dotson. 2,249,889; July 22.
Venetian blind head bar organization. H. K. Lorentzen. 2,250,106; July 22.
Vertical pump and mounting. H. E. La Bour. 2,250,306; July 22.
Vibrator, Magnetostrictive. E. Lakatos. 2,249,835; July 22.
Vinylidene chloride composition. R. C. Reinhardt and J. H. Reilly. 2,249,915; July 22.
Vinylidene chloride compositions. R. C. Reinhardt and J. H. Reilly. 2,249,916–17; July 22.
Visibility meter. S. Miller. 2,250,333; July 22.
Vitamin B_6 intermediates. W. Salzer. 2,250,396; July 22.
Wall form. M. A. Jorsch. 2,250,064; July 22.
Wall or partition construction. L. F. Sylvester. 2,250,401; July 22.
Washing machine, Industrial. D. P. Smith. 2,250,238; July 22.
Waterproofing treatment of textile materials. E. B. Higgins. 2,250,377; July 22.
Wave control and control circuit. M. G. Crosby. 2,250,095; July 22.
Web guide. W. H. Eddy. 2,250,012; July 22.
Webs, Manufacture of abrasive coated. J. A. Williamson. 2,250,119; July 22.
Weeding tool. R. J. Petz and W. J. Kilpatrick. 2,250,313; July 22.
Welding apparatus. V. J. Chapman. 2,250,219; July 22.
Welding apparatus. C. W. Steward. 2,249,869; July 22.
Wheel: *See*—
Vehicle wheel.
Winding machine. E. J. Abbott and W. L. Perry. 2,249,735; July 22.
Window operating mechanism. J. Amundson. 2,249,998; July 22.
Windshield cleaner. E. C. Horton. 2,250,331; July 22.
Wine process. F. W. Hopper. 2,249,830; July 22.
Wire beamer tensioner unit and method. R. C. Pierce. 2,250,234; July 22.
Wiring device. C. E. Rutherford, A. O. La Ducer, and R. H. Murphy. 2,250,276; July 22.
Wireless remote control system for radio-phonograph combinations. D. Grimes. 2,250,371; July 22.
Wrapping machine, Strand. J. Perry. 2,250,334; July 22.
Wrench. P. M. Stephens. 2,250,400; July 22.
Yarn cleaner. E. A. Feustel. 2,250,157–8; July 22.
Yarns or like products from continuous filaments, Production of staple fiber. W. A. Dickie and W. I. Taylor. 2,249,809; July 22.
Zein coating composition and preparing same. O. C. H. Sturken. 2,250,041; July 22.
Zein solution, Nongelling. O. C. H. Sturken. 2,250,040; July 22.

CLASSIFICATION OF PATENTS

ISSUED JULY 22, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 18: 2,249,784
2— 2: 2,249,966
3: 2,250,275
42: 2,250,094
94: 2,249,725
146: 2,250,063
174: 2,249,734
224: 2,250,218
4— 67: 2,249,953
115: 2,249,739
254: 2,250,060
5— 18: 2,250,148
71: 2,250,026
252: 2,250,163
260: 2,249,999
2,250,013
2,250,039
6— 4: 2,250,152
7— 14.1: 2,250,434
8— 38: 2,250,098
115.5: 2,249,756
9— 2: 2,250,127
10— 27: 2,250,043
106: 2,250,349
139: 2,249,758
12— 1: 2,249,760
17: 2,249,810
2,249,811
22: 2,249,779
77: 2,249,742
142: 2,249,855
146: 2,249,995
13— 6: 2,250,155
16: 2,249,776
24: 2,249,993
15— 8: 2,250,279
9: 2,250,282
50: 2,250,177
68: 2,250,078
94: 2,250,015
147: 2,250,071
160: 2,250,112
209: 2,249,727
2,249,912
210: 2,250,374
255: 2,250,331
18— 8: 2,249,797
2,249,798
2,249,928
17: 2,250,335
26: 2,249,823
48: 2,249,755
54: 2,249,745
2,250,375
55.1: 2,249,890
19— 1: 2,249,809
56: 2,250,431
22— 147: 2,250,009
196: 2,250,246
23— 52: 2,250,186
75: 2,249,962
87: 2,249,761
270.5: 2,249,746
24— 3: 2,250,328
73: 2,249,895
2,249,902
208: 2,249,896
215: 2,249,910
221: 2,250,072
25— 118: 2,250,222
121: 2,250,020
128: 2,249,824
131: 2,250,064
26— 66: 2,250,053
28— 65: 2,250,157
29— 18: 2,250,398
34: 2,250,338
62: 2,250,088
69: 2,249,814
29— 76: 2,250,145
84: 2,250,050
2,250,244
95.1: 2,250,392
30— 43: 2,249,825
2,250,350
160: 2,250,290
304: 2,250,237
32— 2: 2,250,373
48: 2,250,058
33— 53: 2,250,179
56: 2,250,109
70: 2,249,728
178: 2,249,904
2,249,954
199: 2,250,076
209: 2,249,901
37— 126: 2,250,289
38— 36: 2,250,205
72: 2,250,105
117: 2,249,983
39— 3: 2,250,305
40— 96: 2,249,879
152.1: 2,250,263
41— 33: 2,250,353
42— 76: 2,249,899
43— 28: 2,250,278
46: 2,249,770
52: 2,250,038
70: 2,250,347
44— 6: 2,250,287
46— 107: 2,250,215
131: 2,249,803
47— 62: Pl.Pt.479
49— 52: 2,250,159
54: Re.21,863
77: 2,250,110
51— 73: 2,250,380
111: 2,250,017
203: 2,250,119
55— 61: 2,250,103
56— 249: 2,250,418
57— 10: 2,250,080
13: 2,249,781
59: 2,249,777
106: 2,249,759
157: 2,249,875
60— 52: 2,250,389
61— 60: 2,249,818
62— 6: 2,249,856
7: 2,250,438
89: 2,249,772
2,250,386
108.5: Re.21,860
115: 2,249,882
119.5: 2,249,737
2,250,254
2,250,288
64— 27: 2,249,831
2,250,369
65— 61: 2,249,918
66— 3: 2,250,229
2,250,230
9: 2,250,008
121: 2,249,780
126: 2,250,158
135: 2,250,307
176: 2,250,359
187: 2,250,257
67— 55: 2,250,198
68— 184: 2,250,315
189: 2,250,085
200: 2,250,340
72— 16: 2,250,319
46: 2,250,401
68: 2,250,411
101: 2,249,799
73— 51: 2,250,125
335: 2,249,867
73— 362: 2,249,751
367: 2,250,231
74— 2: 2,249,887
5: 2,249,744
44: 2,249,802
232: 2,249,726
290: 2,250,316
293: 2,250,082
309: 2,250,259
568: 2,249,753
600: 2,250,385
75— 28: 2,250,213
146: 2,249,740
76— 37: 2,249,743
78— 42: 2,249,964
80— 35: 2,249,839
81— 86: 2,250,400
128: 2,249,786
82— 12: 2,250,161
21: 2,250,097
84— 1.01: 2,250,065
177: 2,249,978
263: 2,250,402
376: 2,250,131
85— 32: 2,249,923
88— 14: 2,250,084
16.2: 2,249,975
23: 2,249,833
2,250,333
24: 2,249,730
2,250,174
27: 2,250,297
2,250,298
41: 2,250,243
49: 2,250,336
57: 2,250,337
89— 1.5: 2,250,240
90— 13.5: 2,250,241
57: 2,249,898
91— 18: 2,250,224
70: 2,249,888
2,250,189
2,250,377
93— 1: 2,249,984
49: 2,249,859
62: 2,249,773
80: 2,250,430
94— 31: 2,249,979
95— 32: 2,249,929
73: 2,250,309
97— 29: 2,249,861
40: 2,250,391
50: 2,249,807
55: 2,249,864
61: 2,250,075
236: 2,250,312
98— 2: 2,249,946
2,249,957
39: 2,250,352
115: 2,250,399
99— 35: 2,249,830
60: 2,250,300
103: 2,249,792
100— 48: 2,249,724
2,249,736
101— 38: 2,249,939
41: 2,250,354
211: 2,250,266
228: 2,250,089
415.1: 2,249,938
416: 2,249,782
103— 25: 2,249,994
26: 2,250,271
87: 2,250,306
149: 2,249,806
161: 2,250,147
162: 2,250,031
195: 2,250,419
104— 125: 2,249,941
104— 200: 2,250,339
105— 154: 2,250,167
364: Re.21,862
106— 14: 2,250,185
98: 2,250,107
152: 2,250,041
153: 2,250,040
206: 2,250,115
218: 2,249,766
107— 8: 2,249,925
27: 2,250,128
48: 2,250,150
108— 1: 2,250,175
9: 2,250,432
110— 38: 2,250,067
45: 2,250,181
105.5: 2,250,114
111— 48: 2,249,883
59: 2,250,073
62: 2,249,874
112— 228: 2,250,121
2,250,420
113— 15: 2,250,225
19: 2,250,002
114— 56: 2,249,958
116— 34: 2,250,077
120— 46: 2,249,961
47: 2,250,180
57: 2,250,046
121— 40: 2,249,850
41: 2,250,035
2,250,344
67: 2,250,368
120: 2,249,951
123: 2,249,974
122— 6: 2,249,934
392: 2,249,741
451: 2,250,341
123— 1: 2,249,997
32: 2,250,364
119: 2,250,200
169: 2,250,355
173: 2,250,376
2,250,378
195: 2,249,783
126— 58: 2,250,146
96: 2,250,074
114: 2,250,139
191: 2,249,733
351: 2,249,886
127— 50: 2,249,920
128— 92: 2,250,417
127: 2,250,037
132: 2,250,267
303.13: 2,249,894
305: 2,249,906
410: 2,249,790
413: 2,249,935
2,249,936
130— 31: 2,250,151
131— 10: 2,250,381
175: 2,249,913
240: 2,250,178
132— 13: 2,249,991
33: 2,250,358
133— 4: 2,250,051
136— 6: 2,250,233
137— 21: 2,250,227
53: 2,249,971
104: 2,250,130
111: 2,250,291
139: 2,249,970
2,250,021
153: 2,250,362
139— 30: 2,250,061
84: 2,250,412
183: 2,250,413
2,250,414
387: 2,250,261
140— 101: 2,249,996
141— 1: 2,250,238
9: 2,250,314
143— 162: 2,250,324
146— 2: 2,249,985
3: 2,249,817
50: 2,249,787
69: 2,249,972
169: 2,250,028
194: 2,250,116
150— 1.6: 2,249,905
151— 37: 2,249,921
153— 54: 2,249,788
154— 42: 2,250,194
155— 6: 2,250,193
112: 2,249,849
115: 2,250,223
124: 2,249,845
157: 2,249,828
161: 2,249,750
194: 2,250,030
197: 2,249,892
156— 13: 2,250,003
14: 2,249,927
17: 2,250,106
42: 2,249,865
158— 28: 2,250,113
2,250,120
77: 2,249,878
91: 2,250,304
164— 0.5: 2,250,055
2,250,056
68: 2,249,820
166— 1: 2,249,815
2,249,852
167— 81: 2,249,903
171— 97: 2,250,102
119: 2,249,840
2,250,202
222: 2,249,914
229: 2,249,826
252: 2,249,834
325: 2,250,099
327: 2,249,933
172— 179: 2,249,857
238: 2,249,877
240: 2,249,819
275: 2,250,395
288: 2,250,141
289: 2,249,821
173— 244: 2,250,032
322: 2,250,042
324: 2,250,280
361: 2,249,827
174— 26: 2,250,239
121: 2,249,959
209: 2,250,044
175— 41.5: 2,250,329
182: 2,249,769
2,250,024
183: 2,249,862
2,249,863
294: 2,249,813
2,249,870
2,250,217
320: 2,250,214
354: 2,249,866
363: 2,250,069
2,250,258
176— 2: 2,250,228
177— 311: 2,249,805
2,249,891
2,249,931
337: 2,250,154
339: 2,250,133
360: 2,250,054
386: 2,249,835
178— 6.8: 2,249,942
7.1: 2,250,169
178— 7.2: 2,250,293
7.5: 2,249,943
33: 2,250,143
44: 2,249,963
2,250,096
2,250,308
53: 2,249,747
179— 6.3: 2,250,173
16: 2,249,854
2,250,100
18: 2,250,101
78: 2,249,808
86: 2,249,778
2,250,264
100.4: 2,250,242
100.11: 2,250,371
171: 2,250,172
2,250,206
2,250,277
171.5: 2,250,095
2,250,104
2,250,296
185: 2,250,162
180— 16: 2,250,070
22: 2,250,372
54: 2,249,838
2,250,382
79.2: 2,250,393
82: 2,250,014
181— 22: 2,250,059
183— 7: 2,249,801
8: 2,249,822
2,250,226
114.5: 2,249,884
120: 2,250,260
184— 105: 2,250,123
187— 29: 2,250,272
188— 20: 2,249,860
83: 2,250,007
152: 2,250,033
2,250,248
189— 35: 2,250,160
36: 2,250,343
37: 2,250,253
190— 43: 2,250,126
48: 2,249,841
191— 6: 2,249,853
192— .02: 2,249,871
2: 2,249,955
3.5: 2,250,221
85: 2,250,327
99: 2,250,394
107: 2,250,027
193— 43: 2,250,427
194— 100: 2,250,047
2,250,048
195— 37: 2,249,789
196— 8: 2,249,885
9: 2,249,924
2,250,416
116: 2,250,052
197— 133: 2,250,012
200— 32: 2,250,342
33: 2,250,212
38: 2,250,168
50: 2,249,738
80: 2,250,216
82: 2,250,302
83: 2,250,437
114: 2,250,195
116: 2,249,804
117: 2,250,210
2,250,211
122: 2,250,165
2,250,439
131: 2,249,945
138: 2,249,837
2,249,949
139: 2,250,135

200— 147: 2,250,016
148: 2,250,208
152: 2,250,001
163: 2,249,976
2,249,977
201— 68: 2,249,876
202— 42: 2,249,816
204— 243: 2,249,765
281: 2,250,435
2,250,436
205— 8: 2,249,775
206— 29: 2,250,000
44: 2,249,881
56: 2,250,303
58: 2,250,236
75: 2,249,851
2,250,433
209— 22: 2,250,383
155: 2,250,365
166: 2,250,190
210— 23: 2,250,345
51.5: 2,250,363
131: 2,250,299
213— 62: 2,250,425
2,250,426
219— 4: 2,249,869
2,249,937
8: 2,250,219
10: 2,250,156
13: 2,249,909
35: 2,250,029
37: 2,250,357
220— 1: 2,250,250
9: Re.21,864
40: 2,250,045
61: 2,249,764
221— 60: 2,250,022
101: 2,250,326
107: 2,249,791
147: 2,249,919
148: 2,249,832
223— 2: 2,249,968
40: 2,250,149
88: 2,250,245
107: 2,249,980
225— 18: 2,249,796
226— 18: 2,250,251
227— 8: 2,249,900
39: 2,249,897
229— 14: 2,250,249
52: 2,250,010
230— 172: 2,250,164
232— 5: 2,249,944
235— 58: 2,250,108
63: 2,250,403
236— 9: 2,250,360
15: 2,249,844
2,250,207
32: 2,250,111
237— 63: 2,250,330
240— 1: 2,250,276
7.55: 2,249,858
41.1: 2,249,908
45: 2,219,785
242— 18: 2,250,334
25: 2,250,234
35.5: 2,249,988
37: 2,250,083
46.6: 2,249,735
68: 2,250,367
78: 2,250,025
85: 2,250,269
96: 2,250,281
98: 2,250,171
244— 43: 2,249,729
57: 2,249,948
134: 2,249,940
137: 2,249,752
246— 34: 2,249,989
63: 2,250,191
2,250,235
248— 16: 2,250,142
107: 2,249,880
146: 2,250,361
248— 276: 2,249,812
250— 14: 2,250,387
20: 2,250,132
2,250,144
2,250,370
27: 2,249,762
27.5: Re.21,861
2,250,183
2,250,184
2,250,187
2,250,409
33: 2,249,838
36: 2,250,066
2,250,170
2,250,284
40: 2,250,090
2,250,268
2,250,366
102: 2,250,301
143: 2,250,322
2,250,323
150: 2,250,283
251— 5: 2,250,117
2,250,122
103: 2,250,124
132: 2,250,220
165: 2,250,356
252— 6.5: 2,250,182
11: 2,250,265
39: 2,250,188
54: 2,250,384
79: 2,249,800
134: 2,250,318
142: 2,250,379
315: 2,249,767
317: 2,250,390
341: 2,250,404
2,250,405
2,250,406
2,250,407
344: 2,250,176
2,250,408
252— 367: 2,249,960
254— 89: 2,250,321
139.1: 2,249,907
172: 2,249,947
255— 1: 2,249,990
19: 2,249,873
2,250,081
73: 2,249,732
2,249,926
257— 12: 2,250,325
128: 2,249,952
258— 1: 2,250,153
260— 6: 2,250,346
29: 2,249,795
32: 2,249,915
2,249,916
2,249,917
75: 2,249,950
146: 2,249,956
152: 2,249,749
155: 2,249,774
196: 2,250,129
225: 2,250,201
231: 2,249,754
251: 2,250,332
257: 2,250,422
2,250,423
2,250,424
295: 2,250,396
315: 2,250,004
2,250,005
2,250,006
335: 2,250,270
341: 2,250,091
397.1: 2,249,911
397.5: 2,249,748
423: 2,250,203
449: 2,250,421
461: 2,250,049
467: 2,249,829
475: 2,249,768
504: 2,250,092
260— 512: 2,249,757
523: 2,250,204
546: 2,249,847
635: 2,249,986
2,250,255
2,250,256
662: 2,249,922
668: 2,249,987
2,250,415
669: 2,249,793
676: 2,250,118
2,250,410
691: 2,249,973
723: 2,250,192
735: 2,250,252
261— 21: 2,250,295
39: 2,250,392
50: 2,249,992
115: 2,249,794
262— 12: 2,250,137
265— 37: 2,250,294
267— 45: 2,250,247
268— 74: 2,249,932
124: 2,249,996
271— 2.1: 2,250,138
2.6: 2,250,209
273— 80: 2,250,428
2,250,429
2,250,441
105.4: 2,250,166
2,250,252
155: 2,250,093
274— 42: 2,250,140
277— 53: 2,249,982
279— 116: 2,250,068
280—11.37: 2,250,388
33.16: 2,250,317
124: 2,250,019
2,250,134
153: 2,250,136
281— 21: 2,250,018
283— 10: 2,250,197
285— 1: 2,250,196
69: 2,250,199
84: 2,250,286
171: 2,250,285
286— 7: 2,250,311
9: 2,249,763
11: 2,249,930
287— 53: 2,249,872
99: 2,250,057
108: 2,249,848
288— 2: 2,150,348
12: 2,249,981
290— 38: 2,249,893
292— 74: 2,249,731
124: 2,250,023
304: 2,250,310
337: 2,250,036
294— 50.5: 2,250,313
63: 2,250,273
102: 2,250,440
297— 3: 2,250,274
2,250,320
298— 24: 2,250,262
299— 58: 2,249,846
86: 2,250,034
120: 2,250,079
140.1: 2,249,771
301— 63: 2,249,889
303— 3: 2,249,965
14: 2,249,967
21: 2,249,868
59: 2,249,969
308— 21: 2,249,842
61: 2,250,397
122: 2,249,843
309— 34: 2,250,011
45: 2,250,062
312— 63: 2,250,351
87: 2,250,086
2,250,087

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,249,735: 242— 46.6
2,249,756: 8—115.5
2,249,766: 106— 218
2,249,767: 252— 315
2,249,772: 62— 89
2,249,781: 57— 13
2,249,793: 260— 669
2,249,794: 261— 115
2,249,803: 46— 131
2,249,844: 236— 15
2,249,847: 260— 546
2,249,866: 175— 354
2,249,888: 91— 70
2,249,912: 15— 209
2,249,920: 127— 50
2,249,987: 260— 668
2,249,988: 242— 35.5
2,249,992: 261— 50
2,250,044: 174— 209
2,250,050: 29— 84
2,250,051: 133— 4
2,250,065: 84— 1.01
2,250,066: 250— 36
2,250,086: 312— 87
2,250,091: 260— 341
2,250,094: 2— 42
2,250,098: 8— 38
2,250,107: 106— 98
2,250,108: 235— 58
2,250,111: 236— 32
2,250,112: 15— 160
2,250,115: 106— 206
2,250,160: 189— 35
2,250,164: 230— 172
2,250,182: 252— 6.5
2,250,192: 260— 723
2,250,197: 283— 10
2,250,199: 285— 69
2,250,229: 66— 3
2,250,230: 66— 3
2,250,253: 189— 37
2,250,260: 183— 120
2,250,275: 2— 3
2,250,290: 30— 160
2,250,294: 265— 37
2,250,301: 250— 102
2,250,322: 250— 143
2,250,343: 189— 36
2,250,345: 210— 23
2,250,361: 248— 146
2,250,386: 62— 89
2,250,396: 260— 295
2,250,397: 308— 61
2,250,404: 252— 341
2,250,405: 252— 341
2,250,406: 252— 341
2,250,434: 7— 14.1

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbate, Chas., Company, The, Chicago, Ill. Fresh vegetables. Serial No. 443,905; July 29. Class 46.
Abraham & Straus, Inc., Brooklyn, N. Y. Men's clothing. Serial No. 443,829; July 29. Class 39.
American Drug & Chemical Company, Minneapolis, Minn. Insect repelling preparation. Serial No. 443,678; July 29. Class 6.
American Reedcraft Corporation, New York, N. Y. Clay and charcoal. Serial No. 443,274; July 29. Class 1.
American Reedcraft Corporation, New York, N. Y. Crayons, erasers, writing paper, etc. Serial No. 443,275; July 29. Class 37.
Aqua-Sec Corporation, New York, N. Y. Textile piece goods. Serial No. 440,486; July 29. Class 42.
Augstein, S., & Co., New York, N. Y. Men's, women's, and children's sweaters, bathing suits, scarfs, mufflers, etc. Serial No. 439,382; July 29. Class 39.
Aviation Manufacturing Corporation, New York, N. Y. Internal combustion aircraft engines and parts thereof. Serial No. 431,478; July 29. Class 23.
Beltraction Company, Chicago, Ill. Liquid belt dressings. Serial No. 443,530; July 29. Class 4.
Berkowitz, Victor, New York, N. Y. Ladies' handbags. Serial No. 443,648; July 29. Class 3.
Biotex Co., The, Springfield, Ohio. Detergent. Serial No. 442,827; July 29. Class 4.
Borden Company, The, New York, N. Y. Ice cream. Serial No. 443,804; July 29. Class 46.
Boston Leather Specialties Company, Everett, Mass. Auxiliary children's toilet seats. Serial No. 436,539; July 29. Class 13.
Botany Worsted Mills, Passaic, N. J. Machine woolen and worsted knitting yarn. Serial No. 441,853; July 29. Class 43.
Botany Worsted Mills, Passaic, N. J. Men's sport coats, jackets, windbreakers, reversible jackets. Serial No. 443,595; July 29. Class 39.
Botany Worsted Mills, Passaic, N. J. Soap. Serial No. 443,745; July 29. Class 4.
Bower Sulphur Laboratories Inc., New York, N. Y. Soluble sulphur compositions. Serial No. 440,440; July 29. Class 6.
California Texas Oil Company, Limited, New York, N. Y. Dry cleaning fluids and Stoddard solvent. Serial No. 438,033; July 29. Class 4.
Cameo Co., The. (See Wardall, William J.)
Chattanooga Drug & Chemical Company, Chattanooga, Tenn. Iron vitamin tonic. Serial No. 444,398; July 29. Class 6.
Chicago Mail Order Company, Chicago, Ill. Men's, women's, and children's leather shoes. Serial No. 439,992; July 29. Class 39.
Climalene Company, The, Canton, Ohio. Washing powder. Serial No. 442,895; July 29. Class 4.
Clinton Company, Clinton, Iowa. Corn starch. Serial No. 432,884; July 29. Class 6.
Columbia Axle Company, The, Cleveland, Ohio. Overdrive axles for automotive vehicles. Serial No. 436,252; July 29. Class 23.
Consolidated Products Company, Danville, Ill. Plastic stock and poultry food. Serial No. 443,628; July 29. Class 46.
Delatour, B., doing business as E. Delatour & Cie., and as B. Delatour & Cie., Cognac and Bordeaux, France, and Ponce, Puerto Rico. Distilled brandy. Serial No. 440,235; July 29. Class 49.
Dernburg Fur Company, Inc., Chicago, Ill. Furriers' knives and blades therefor. Serial No. 443,924; July 29. Class 23.
Durham Chemical Laboratories. (See Fuld Bros.)
Duryea Products Company, Incorporated, Jersey City, N. J. Turpentine. Serial No. 431,548; July 29. Class 16.
Field and Flint Co., Brockton, Mass. Shoes. Serial No. 443,808; July 29. Class 39.
Firestone Tire & Rubber Company, The, Akron, Ohio. Vacuum and heat-insulated jugs suitable for use at picnics. Serial No. 444,043; July 29. Class 2.
Folkard & Lawrence, Inc., New York, N. Y. Woolen piece goods. Serial No. 444,000; July 29. Class 42.
Francois Cementation Company Limited, The, London, England. Metal powders. Serial No. 444,146; July 29. Class 14.
Fuld Bros., doing business as Durham Chemical Laboratories, Baltimore, Md. Surfacing wax applicable to floors, linoleum, hardwood, terrazzo, etc. Serial No. 443,078; July 29. Class 16.
Gamble Stores Incorporated, Minneapolis, Minn. Mufflers for internal combustion engines. Serial No. 443,288; July 29. Class 23.
Gass, Walter S., doing business as Linnwood Products Company, Seward, Nebr. Ornamental articles. Serial No. 442,191; July 29. Class 50.
General Aircraft Corporation, Lowell, Mass. Airplanes. Serial No. 443,928; July 29. Class 19.
General Coal Company, Philadelphia, Pa. Coal. Serial No. 443,456; July 29. Class 1.
General Electric Company, New York, N. Y. Radio receivers. Serial No. 441,017; July 29. Class 21.
General Products Corporation, Union Springs, N. Y. Automotive ignition parts, including spark coils, distributor parts, etc. Serial No. 443,125; July 29. Class 21.
Gero Products, Inc., South Boston, Mass. Insecticide crystals and pellets. Serial No. 443,758; July 29. Class 6.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Liquid floor wax, and wax paste. Serial No. 442,844; July 29. Class 16.
Gross, Victor L., Omaha, Nebr. Sandwiches. Serial No. 443,328; July 29. Class 46.
Haering, D. W., and Company, Inc., Chicago, Ill. Chemical product. Serial No. 443,884; July 29. Class 6.
Harlingen Brokerage Company, Harlingen, Tex. Wheat flour. Serial No. 438,041; July 29. Class 46.
Harrower Laboratory, Inc., The, Glendale, Calif. Chocolate-coated compressed tablets. Serial No. 444,221; July 29. Class 6.
Heet-Master Co. (See Mango, Philip.)
Hewitt Soap Company, Inc., The, Dayton, Ohio. Soap. Serial No. 443,082; July 29. Class 4.
Holophane Company, Inc., New York, N. Y. Glass and combination glass metal globes and reflectors. Serial No. 443,161; July 29. Class 34.
Horlick's Malted Milk Corporation, Racine, Wis. Malted milk. Serial No. 443,886; July 29. Class 46.
Independent Casing Company, Chicago, Ill. Hanked natural intestinal sausage casings. Serial No. 443,195; July 29. Class 2.
International Latex Corporation, Dover, Del. Girdles. Serial No. 429,180; July 29. Class 39.
International Paper Company, New York, N. Y. Printing paper. Serial No. 440,938; July 29. Class 37.
Jarvinen, Vilho O., New York, N. Y. Cheese. Serial No. 434,331; July 29. Class 46.
Jeffries Banknote Company, Los Angeles, Calif. Check paper. Serial No. 443,509; July 29. Class 37.
Kaylon, Inc., New York, N. Y. Men's, women's, and children's pajamas. Serial Nos. 438,842–3; July 29. Class 39.
Keith Furnace Company, Des Moines, Iowa. Oil, gas, and coal furnaces. Serial No. 438,202; July 29. Class 34.
Kempe, Irene, doing business as Kempe Mfg. Co., Jamaica, N. Y. Ski wax, ski wax base lacquer, and ski wax shellac. Serial No. 440,202; July 29. Class 16.
King Features Syndicate, Inc., New York, N. Y. Newspaper cartoons. Serial No. 443,981; July 29. Class 38.
Korach Brothers, Chicago, Ill. Ladies' dresses. Serial No. 444,223; July 29. Class 39.
Lederfine Bros. Inc., New York, N. Y. Children's coats and coat sets. Serial No. 443,538; July 29. Class 39.
Leggett, Francis H., & Company, New York, N. Y. Canned pineapple. Serial No. 444,600; July 29. Class 46.
Lehigh Steel Company, New York, N. Y. Steel for tools and dies and hand and pneumatic and electric drills. Serial No. 435,876; July 29. Class 14.
Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 443,887; July 29. Class 6.
Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. Serial No. 405,992; July 29. Class 6.
Lewittes & Son, Inc., New York, N. Y. Upholstered sofas, couches, and chairs. Serial Nos. 443,982–3; July 29. Class 32.
Light Conditioning Company of America, Inc., New York, N. Y. Panels of transparent or translucent glass suitable for partitions, screens, etc. Serial No. 440,419; July 29. Class 33.
Linnwood Products Company. (See Gass, Walter S.)
Mango, Philip, doing business as Heet-Master Co., Chicago, Ill. Portable electric heaters. Serial No. 443,169; July 29. Class 21.
Mayflower Dress Co., Inc., New York, N. Y. Ladies' and misses' dresses, dress and jacket ensembles, blouses, etc. Serial Nos. 444,268–70; July 29. Class 39.
McKennedy, Sylvester, Unity, Ill. Medicinal compound. Serial No. 440,631; July 29. Class 6.
McKesson & Robbins, Inc. (See Wardall, William J.)

Mercury Metal Die & Letter Co., Inc., Los Angeles, Calif. Steel and brass stamps, embossing dies, stamping dies, and steel type. Serial No. 443,047; July 29. Class 23.
Mergenthaler Linotype Company, New York and Brooklyn, N. Y. Matrices. Serial Nos. 443,424–6; July 29. Class 50.
Mergenthaler Linotype Company, New York and Brooklyn, N. Y. Matrices. Serial No. 443,428; July 29. Class 50.
Mergenthaler Linotype Company, New York and Brooklyn, N. Y. Matrices. Serial No. 443,430; July 29. Class 50.
Muscat Co-Operative Winery Association, Kingsburg, Calif. Wines. Serial No. 444,008; July 29. Class 47.
Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. Serial No. 442,718; July 29. Class 47.
Mutual Garment Company, St. Louis, Mo. Women's and misses' slips and petticoats. Serial No. 443,813; July 29. Class 39.
National Starch Products Inc., New York, N. Y. Laundry starches. Serial Nos. 443,727–8; July 29. Class 6.
Norwich Pharmacal Company, The, Norwich, N. Y. Douche powder. Serial No. 428,996; July 29. Class 6.
Palmer Corporation, The, Sarasota, Fla. Canned celery. Serial No. 425,011; July 29. Class 46.
Parke, Davis & Company, Detroit, Mich. Oil solution of bismuth. Serial No. 439,828; July 29. Class 6.
Peebles, Herbert H., Houston, Tex. Cigars. Serial No. 443,340; July 29. Class 17.
Petges, Inc., New York, N. Y. Hairdressing. Serial No. 444,387; July 29. Class 6.
Phillips, Beth, Hollywood, Calif. Musical records for use on phonographs. Serial No. 441,687; July 29. Class 36.
Piedmont Cotton Mills, Egan, Ga. Cotton thread and yarns. Serial No. 442,209; July 29. Class 43.
Pioneer Rubber Company, The, Willard, Ohio. Household rubber gloves. Serial No. 437,415; July 29. Class 39.
Plastyle Veneers, Inc., Chicago, Ill. Fabricated plastic material of a phenol-formaldehyde-urea type. Serial No. 443,513; July 29. Class 1.
Presto Products Company, Detroit, Mich. Rust removing preparation and for liquid welding preparations. Serial No. 439,056; July 29. Class 6.
Prosperity California Wines. (See Mutascio, Joseph.)
Remington Arms Company, Inc., Bridgeport, Conn. Cutlery, particularly butcher and household knives, etc. Serial No. 432,101; July 29. Class 23.
Santore, Joseph, Osceola Mills, Pa. Preparation for stomach ulcers. Serial No. 440,267; July 29. Class 6.
Schabelitz, Ernest J., doing business as Schabelitz Research Laboratories, San Diego, Calif. Prophylactic. Serial No. 442,805; July 29. Class 6.
Schuster, Ed., & Co., Incorporated, Milwaukee, Wis. Men's outer shirts. Serial No. 443,617; July 29. Class 39.
Schwarz Laboratories Inc., New York, N. Y. Medicinal preparation. Serial No. 444,016; July 29. Class 6.
Schwarze Electric Co., Adrian, Mich. Electrically illuminated signs and parts thereof. Serial No. 444,099; July 29. Class 21.
Scott Paper Company, Chester, Pa. Toilet tissue. Serial No. 443,580; July 29. Class 37.
Sears, Roebuck and Co., Chicago, Ill. Tire pumps. Serial No. 444,017; July 29. Class 23.
Sears, Roebuck and Co., Chicago, Ill. Ball bearings. Serial No. 444,018; July 29. Class 23.
Sharaf, Jess, Incorporated, Boston, Mass. Women's dresses. Serial No. 444,161; July 29. Class 39.
Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens and pencils. Serial No. 443,434; July 29. Class 37.
Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. Serial No. 443,375; July 29. Class 6.
Sigurdson, Thomas, Vernita, Wash. Fresh packed peaches. Serial No. 441,645; July 29. Class 46.
Sjostrom, Robert L., doing business as Sjostrom Machine Company, Lawrence, Mass. Metallic conveyor link belts for feeders and conveyors. Serial No. 442,855; July 29. Class 23.
Southern Carbon Company, Monroe, La. Particulate carbon. Serial No. 443,022; July 29. Class 6.
Sportowne Coat Co. Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 443,437; July 29. Class 39.
Stalker Manufacturing Company, Inc., New York, N. Y. Saddle soap. Serial No. 441,799; July 29. Class 4.
Standard Knitting Mills, Inc., Knoxville, Tenn. Athletic shirts, shorts, and knitted underwear. Serial No. 444,551; July 29. Class 39.
Standard Oil Development Company, Linden, N. J. Synthetic rubber, rubber substitutes and rubber-like materials. Serial No. 438,963; July 29. Class 1.
Starobin, Samuel, New York, N. Y. Women's, ladies' and misses' coats, suits, capes, jackets, etc. Serial No. 444,287; July 29. Class 39.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Tubing. Serial No. 443,351; July 29. Class 50.
Teen Frocks, Inc., New York, N. Y. Misses' and girls' dresses, blouses, skirts, culottes, etc. Serial No. 444,289; July 29. Class 39.
Ter-O-Sul Products Co., Inc., New York, N. Y. Powder for foot bath. Serial No. 435,184; July 29. Class 6.
Trimz Company, Inc., Chicago, Ill. Decorative paper specialties. Serial No. 443,523; July 29. Class 37.
Turco Products, Inc., Los Angeles, Calif. Cleaning compounds. Serial No. 442,642; July 29. Class 4.
Turoff, Wm. J., New York, N. Y. Women's, misses', and girls' dresses, coats, suits, blouses, etc. Serial No. 441,294; July 29. Class 39.
Ultra Chemical Works, Inc., Paterson, N. J. Saponacious powder. Serial No. 442,674; July 29. Class 4.
Van Camp Sea Food Co., Inc., Fish Harbor, Terminal Island, Calif. Dinner-ware and baking dishes. Serial No. 443,310; July 29. Class 30.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Slide fasteners. Serial No. 443,148; July 29. Class 13.
Wall, Howard, Limited, London, England. Measuring tapes. Serial No. 441,422; July 29. Class 26.
Wardall, William J. trustee for the estate of McKesson & Robbins, Inc., debtor, doing business as The Cameo Co., New York, N. Y., and San Francisco, Calif. American and Russian mineral oil. Serial No. 442,438; July 29. Class 6.
Wayne Knitting Mills, Fort Wayne, Ind. Device to measure the length and width of hosiery for ladies and misses. Serial No. 444,024; July 29. Class 26.
Westinghouse Air Brake Company, The, Wilmerding, Pa. Electric anti-wheel-slide control units, electric car couplers, electric compressor governors, etc. Serial No. 444,111; July 29. Class 21.
Williams, R. C., & Company, Inc., New York, N. Y. Salad dressing and baking powder. Serial No. 443,827; July 29. Class 46.
Wisconsin Shoe Company, Milwaukee, Wis. Athletic shoes. Serial Nos. 441,985–6; July 29. Class 39.
Wolfenden, Harry C., doing business as R. Wolfenden & Sons, Attleboro, Mass. Yarn. Serial No. 443,992; July 29. Class 43.

LIST OF REGISTRANTS OF TRADE-MARKS

Altman, B., & Co., New York, N. Y. Bathing suits, sweaters, hats, etc. 389,163; July 29; Serial No. 434,591; published Apr. 29, 1941. Class 39.
Altman, B., & Co., New York, N. Y. Blouses, dresses, neckties, etc. 389,184; July 29; Serial No. 438,639; published May 6, 1941. Class 39.
American Lumberman, The, Chicago, Ill. Weekly periodicals and publications. 147,904; renewed Nov. 8, 1941.
American Phenolic Corporation, Chicago, Ill. Synthetic initially fluid or plastic material in the nature of synthetic resin. 389,142; July 29; Serial No. 417,951; published May 20, 1941. Class 1.
American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. 145,310; renewed Aug. 2, 1941.
Antolini, Alberto G., doing business as Hillandale Fabrics, New York, N. Y. Linens and chenille piece goods. 389,221; July 29; Serial No. 440,530; published May 20, 1941. Class 42.
Arnold, Schwinn & Co., Chicago, Ill. Bicycles. 389,285; July 29; Serial No. 442,022; published May 20, 1941. Class 19.
Arps Corporation, New Holstein, Wis. Highway tractor attachments. 389,250; July 29; Serial No. 441,120; published May 20, 1941. Class 23.
Artbilt Furniture Company, Milwaukee, Wis. Lounge rocking chairs. 389,297; July 29. Class 32.
Aseptico Laboratories, Inc., Rochester, N. Y. Antiseptic solution. 143,538; renewed June 7, 1941.
Ashley, Geo. N., Sr., doing business as Ashley's, El Paso, Tex. Corn chips and canned tortillas, enchilada sauce, etc. 389,330; July 29. Class 46.
"Automatic" Sprinkler Company of America, Youngstown, Ohio. Fixed temperature and rate-of-rise types of sprinkler system control thermostats. 389,203; July 29; Serial No. 439,987; published May 20, 1941. Class 26.
Avery, B. F., & Sons., assignor to B. F. Avery & Sons Co., Louisville, Ky. Agricultural machinery and knife and tool grinders. 137,768; renewed Dec. 7, 1940.
Avery, B. F., & Sons, assignor to B. F. Avery & Sons Co., Louisville, Ky. Agricultural machines and separate parts for each of said machines. 137,938; renewed Dec. 14, 1940.
Avery, B. F., & Sons, assignor to B. F. Avery & Sons Co., Louisville, Ky. Agricultural implements. 141,852; renewed May 3, 1941.
Babcock, A. P., Company, New York, N. Y., to A. P. Babcock Company, East Rutherford, N. J. Talcum powder, face-powder, toilet water, etc. 146,169; renewed Sept. 6, 1941.

Babineau, Albert T., Los Angeles, Calif. Pivot boring tool holder for lathe use. 389,183; July 29; Serial No. 438,298; published May 20, 1941. Class 23.
Baer, Fritz S., doing business as F. S. Baer Co., Los Angeles, Calif. Cigars, cigarettes, smoking tobacco, etc. 389,267; July 29; Serial No. 441,342; published May 6, 1941. Class 17.
Bausch & Lomb Optical Company, Rochester, N. Y. Optical products, engineering and other instruments, photographic apparatus, etc. 148,789; renewed Nov. 29, 1941.
Bay West Paper Company, Green Bay, Wis. Cabinets for paper toweling and mechanical solutions for automobile windshield cleaning. 389,283; July 29; Serial No. 441,994; published May 20, 1941. Class 2.
Beauty Appliance Corporation, Racine, Wis. Electric vibrators for therapeutic purposes. 389,167; July 29; Serial No. 435,235; published May 20, 1941. Class 44.
Belden Manufacturing Company, Chicago, Ill. Magnet-wires. 147,924; renewed Nov. 8, 1941.
Belden Manufacturing Company, Chicago, Ill. Magnet-wires. 147,927; renewed Nov. 8, 1941.
Berg, Joseph, New York, N. Y. Check books, account books, entry books, and binders. 389,210; July 29; Serial No. 440,278; published May 6, 1941. Class 37.
Bessemer Coal, Iron & Land Company, Birmingham, Ala. Coal. 389,248; July 29; Serial No. 441,080; published May 20, 1941. Class 1.
Best Foods, Inc., The. (See Nucoa Butter Company, assignor.)
Blaisdell Pencil Company, Philadelphia, Pa. Paper encased lead pencils. 389,331; July 29. Class 37.
Bohemian Distributing Company, Los Angeles, Calif. Brandy. 389,282; July 29; Serial No. 441,940; published May 20, 1941. Class 49.
Bond Stores, Incorporated, New York, N. Y. Men's and boys' topcoats, overcoats, suits, etc. 389,273; July 29; Serial No. 441,385; published May 6, 1941. Class 39.
Bonwit Teller, Inc., New York, N. Y. Women's and misses' dresses, teagowns, coats, etc. 389,296; July 29. Class 39.
Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, dresses, etc. 389,304; July 29. Class 39.
Borden Company, The, New York, N. Y. Water ice. 389,160; July 29; Serial No. 434,311; published May 20, 1941. Class 46.
Borden Company, The. (See Casein Manufacturing Company, The, assignor.)
Bossong, Joseph C., Brooklyn, to Joseph C. Bossong, New York, N. Y. Hosiery. 147,934; renewed Nov. 8, 1941.
Bradley, Milton, Company, Springfield, Mass. Toy embroidery sets. 389,294; July 29; Serial No. 442,549; published May 20, 1941. Class 22.
Brae-Burn Hat Co. Inc., New York, N. Y. Ladies' hats. 389,326; July 29. Class 39.
Brand & Oppenheimer, assignor to Brand & Oppenheimer, Incorporated, New York, N. Y. Certain named linings in the piece. 137,127; renewed Nov. 23, 1940.
Brannon Distributing Company. (See Pacific Coast Grocery Co.)
Braun, Philip N., as assignee of The Prosperity Company, Inc., assignor to Philip N. Braun, Syracuse, N. Y. Knitted cotton padding. 143,720; renewed June 7, 1941.
Briddell, C. E., Company, Baltimore, Md. Treated fabrics. 389,165; July 29; Serial No. 434,926; published May 20, 1941. Class 50.
Briddell, C. E., Company, Baltimore, Md. Cloth in the piece and drapery fabrics. 389,166; July 29; Serial No. 434,927; published May 20, 1941. Class 42.
Brown Rubber Company, Inc., Lafayette, Ind. Sponge rubber in sheet and various other forms. 389,174; July 29; Serial No. 437,025; published May 20, 1941. Class 1.
Buckner Process Company, Worcester, Mass. Waxed pads for rugs and carpets. 389,308; July 29. Class 50.
Burrus Feed Mills. (See Tex-O-Kan Flour Mills.)
Carpenter-Morton Company, Boston, Mass. Dyes and dyeing compositions. 144,155; renewed June 21, 1941.
Casin Manufacturing Company, The, assignor to The Borden Company, New York, N. Y. Core-binding compound. 147,760; renewed Nov. 1, 1941.
Casper Gripper Co., to The Casper Gripper Company, Cleveland, Ohio, successor. Grippers for use on printing-presses. 143,300; renewed May 31, 1941.
Celanese Corporation of America, New York, N. Y. Underwear, outerwear, men's hose, etc. 389,206; July 29; Serial No. 440,189; published Apr. 29, 1941. Class 39.
Central Scientific Company, Chicago, Ill. Pumps for handling gaseous fluids. 389,215; July 29; Serial No. 440,405; published May 20, 1941. Class 23.
Century Engineering Corporation, Cedar Rapids, Iowa. Boilers, and furnaces and parts thereof. 389,141; July 29; Serial No. 403,164; published May 20, 1941. Class 34.
Ceravolo, V., Provisions Inc., Philadelphia, Pa. Prepared meats. 389,173; July 29; Serial No. 436,247; published May 20, 1941. Class 46.
Charleston Milling Company, Charleston, W. Va. Wheat flour. 389,268; July 29; Serial No. 441,348; published May 20, 1941. Class 46.
Cheney Brothers, South Manchester, to Cheney Brothers, Manchester, Conn. Woven, knitted, netted, textile and pile fabrics in the piece. 144,366; renewed July 5, 1941.
Cherokee Coal Company, Louisville, Ky. Coal. 389,218–19; July 29; Serial Nos. 440,491–2; published May 6, 1941. Class 1.
Chicago Mail Order Company, Chicago, Ill. Shoes. 389,252; July 29; Serial No. 441,154; published May 6, 1941. Class 39.
Chicago Mail Order Company, Chicago, Ill. Men's rubber boots, rubbers, and galoshes. 389,253; July 29; Serial No. 441,155; published May 20, 1941. Class 39.
Chicago Mail Order Company, Chicago, Ill. Men's and boys' suits and overcoats, underwear, hosiery, etc. 389,319; July 29. Class 39.
Chicle, J. L., Co. (See Clark, Joseph L.)
Clark, Joseph L., doing business as J. L. Chicle Co., Pittsburgh, Pa. Chewing gum. 389,146; July 29; Serial No. 427,097; published Mar. 4, 1941. Class 46.
Coakley, Arthur T., Catonsville, Md. Baking acid. 389,196; July 29; Serial No. 439,805; published May 20, 1941. Class 46.
Coakley, Arthur T., Catonsville, Md. Flour. 389,197; July 29; Serial No. 439,806; published May 20, 1941. Class 46.
Cohen, A., Brassières, Inc., New York, N. Y. Foundation garments. 389,313; July 29. Class 39.
Cohen, Frank H., New York, N. Y. Men's, young men's, and boys' suits, overcoats, topcoats, raincoats, etc. 389,258; July 29; Serial No. 441,195; published May 6, 1941. Class 39.
Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Anti-skid chains. 389,280; July 29; Serial No. 441,902; published May 20, 1941. Class 13.
Comey, R. H., Company, Inc., Brooklyn, N. Y. Hats and hat bodies. 389,222; July 29; Serial No. 440,582; published May 13, 1941. Class 39.
Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Sewing machines. 389,145; July 29; Serial No. 425,187; published May 20, 1941. Class 23.
Constantino Gonzalez y Cia., S. en C., Habana City, Cuba. Tobacco products. 389,172; July 29; Serial No. 435,789; published May 13, 1941. Class 17.
Continental Gin Company, Birmingham, Ala. Cotton-gins and accessories therefor, and cotton-presses. 147,287; renewed Oct. 11, 1941.
Continental Radio and Television Corporation, Chicago, Ill. Combination radio and phonograph. 389,214; July 29; Serial No. 440,368; published May 20, 1941. Class 36.
Cormany, S. J., Jr., doing business as Dr. Pepper Bottling Co., Mount Vernon, Ill. Maltless beverages, and syrups, extracts, and flavors used in making same. 389,278; July 29; Serial No. 441,697; published May 20, 1941. Class 45.
Corn Products Refining Company, New York, N. Y. Cereal core binders. 389,293; July 29; Serial No. 442,353; published May 20, 1941; Class 5.
Corset Bar, Inc., The, New York, N. Y. Brassières, bandeaux, corsets, etc. 389,153; July 29; Serial No. 431,000; published Aug. 20, 1940. Class 39.
Crown Zellerbach Corporation, doing business as Western Waxed Paper Company, Division of Zellerbach Corporation, San Francisco, Calif., and North Portland, Oreg. Waxed paper. 389,225; July 29; Serial No. 440,676; published May 20, 1941. Class 37.
De Forest, Clark E., to Dora B. De Forest and Lillian Dibble, successor, Unadilla, N. Y. Medicine for blind foul and foot-halt in cattle. 142,980; renewed May 24, 1941.
Dibble, Lillian. (See De Forest, Clark E.)
Dilling & Company, Indianapolis, Ind., assignor, by mesne assignments, to Hollywood Brands, Inc., Centralia, Ill. Chocolate-bar candy. 143,585; renewed June 7, 1941.
Diversey Corporation, Chicago, Ill. Mechanically operated and cycle governed dispenser. 389,149; July 29; Serial No. 428,474; published May 20, 1941. Class 23.
Dodson, Leon D., Kew Gardens, L. I., N. Y. Books. 389,158; July 28; Serial No. 433,777; published Apr. 29, 1941. Class 37.
Dracco Corporation. (See Dust Recovering & Conveying Company, The, assignor.)
Dust Recovering & Conveying Company, The, assignor to Dracco Corporation, Cleveland, Ohio. Dust-collecting machinery and apparatus and systems and pneumatic conveying machinery. 143,938; renewed June 21, 1941.
E-Z Waist Company, The, New York, N. Y., by change of name to E-Z Mills, Inc. Underwaists, union-suits, and sleeping garments. 147,308; renewed Oct. 11, 1941.
E-Z Waist Company, The, New York, N. Y., by change of name to E-Z Mills, Inc. Underwear. 148,401; renewed Nov. 15, 1941.
Eaton Paper Corporation, Pittsfield, Mass. Typewriting paper. 389,305; July 29. Class 37.
Eberly, Isaac C., assignor to Oakbrook Hosiery Mills, Reading, Pa. Hosiery of cotton, and silk. 144,751; renewed July 19, 1941.
Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper. 389,262; July 29; Serial No. 441,281; published May 20, 1941. Class 8.

Edens, Ralph A., doing business as Falcon Tool Company. Detroit, Mich. Metal working tools. 389,254; July 29; Serial No. 441,160; published May 20, 1941. Class 23.

Edison Brothers Stores, Inc., St. Louis, Mo. Shoes. 389,236; July 29; Serial No. 440,925; published Apr. 29, 1941. Class 39.

Edison General Electric Appliance Company, Inc., Chicago, Ill. Electric refrigerating machines and parts thereof. 389,291; July 29; Serial No. 442,312; published May 20, 1941. Class 31.

Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. 389,204; July 29; Serial No. 440,086; published May 6, 1941. Class 1.

Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. 389,211; July 29; Serial No. 440,284; published May 6, 1941. Class 1.

Eltingon-Gregory, Inc., New York, N. Y. Fur skins. 389,259; July 29; Serial No. 441,196; published May 6, 1941. Class 1.

Electric Arc Cutting and Welding Company, Newark, N. J., by change of name to Electric Arc, Inc. Metal-welding electrodes. 145,086; renewed July 26, 1941.

Emerson, Frank P., doing business as Emerson Bros. Mfg. Co., Los Angeles, Calif. Popped pop corn. 389,157; July 29; Serial No. 433,526; May 20, 1941. Class 46.

Essex Rubber Company, Trenton, N. J. Rubber and composition soles and heels. 148,830; renewed Nov. 29, 1941.

Etelson, Morton, New York, N. Y. Women's coats, jackets, muffs, etc. 389,212; July 29; Serial No. 440,285; published May 6, 1941. Class 39.

Ettelbrick, August V., Casey, Ill. Shoes. 389,213; July 29; Serial No. 440,324; published May 13, 1941. Class 39.

Evans, John R., & Company, Camden, N. J. Goat and kid leather. 389,199; July 29; Serial No. 439,860; published May 13, 1941. Class 1.

Fnesy & Besthoff, Inc., New York, N. Y. Peat moss. 389,237–8; July 29; Serial Nos. 440,927–8; published May 20, 1941. Class 1.

Fahrney, Dr. Peter, & Sons Co., The, Chicago, Ill. Medicinal tonic. 149,047; renewed Dec. 6, 1941.

Falcon Shoe Company, St. Louis, Mo. Shoes. 389,159; July 29; Serial No. 434,209; published May 6, 1941. Class 39.

Falcon Tool Company. (See Edens, Ralph A.)

Famous-Barr Company. (See May Department Stores Company.)

Farmella Food Products Corporation, New York, N. Y. Cheese. 389,255; July 29; Serial No. 441,161; published May 20, 1941. Class 46.

Federated Foods, Inc., Chicago, Ill. Bathroom tissue. 389,245; July 29; Serial No. 441,051; published Apr. 29, 1941. Class 37.

Feldenheimer, William, London, England. Purified colloidal clay. 141,120; renewed Apr. 12, 1941.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmissions. 148,019–20; renewed Nov. 8, 1941.

Field and Flint Co., Brockton, Mass. Shoes. 389,299; July 29. Class 39.

Fingerhut, Joseph, doing business as Havnior Food Products, Brooklyn, N. Y. Potato chips. 389,176; July 29; Serial No. 437,558; published May 13, 1941. Class 46.

Finlayson, Bousfield & Co., Ltd., Johnstone, Scotland. Yarn and threads. 142,266; renewed May 10, 1941.

Firma Paul Schönfeld, Chemnitz, Germany. Hosiery, dreses, coats, etc. 389,144; July 29; Serial No. 422,155; published May 13, 1941. Class 39.

Forstmann & Huffmann Co., assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 143,338; renewed May 31, 1941.

Fownes Brothers & Company, Inc., New York, N. Y. Gloves. 389,279; July 29; Serial No. 441,700; published May 13, 1941. Class 39.

Frankenthal, H., doing business as Frankenthal Company, Weslaco, Tex., and Sanger, Calif. Fresh vegetables and fresh grapes. 389,152; July 29; Serial No. 429,900; published May 20, 1941. Class 46.

Galagaiters Manufacturing Co. (See Lindner, Erwin E.)

Garlinghouse Brothers, Los Angeles, Calif. Concrete holding hoppers, bins, buckets, etc. 389,220; July 29; Serial No. 440,500; published May 20, 1941. Class 23.

Garrison-Cook Candy Co., assignor, by mesne assignments, to Charles O. McAfee, Macon, Ga. Stick-candy. 146,099; renewed Aug. 30, 1941.

Gavin-Simon, Far Rockaway, New York, N. Y. Chairs and sofa. 389,292; July 29; Serial No. 442,317; published May 20, 1941. Class 32.

General Shoe Corporation, Nashville, Tenn. Shoes. 389,276; July 29; Serial No. 441,507; published May 13, 1941. Class 39.

Gevaert Company of America, The, New York, N. Y. Colored acetate sheets designed to absorb a portion of the sun's spectrum. 389,186; July 29; Serial No. 438,837; published May 13, 1941. Class 50.

Giant Glove Co. (See Gross, Samuel I.)

Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerator cabinets. 389,335; July 29. Class 31.

Glass & Co., New York, N. Y. Children's, girls', misses', and ladies' coats, suits, coat and suit ensembles, etc. 389,333; July 29. Class 39.

Glovecraft, Inc., Johnstown, N. Y. Gloves. 389,223; July 29; Serial No. 440,588; published May 6, 1941. Class 39.

Godman, H. C., Company, The, Columbus, Ohio. Boots and shoes. 389,140; July 29; Serial No. 400,370; published Sept. 13, 1938. Class 39.

Goodrich, B. F., Company, The, New York, N. Y. Waterproof coats and jackets, and waterproof boots, shoes, etc. 143,623; renewed June 7, 1941.

Gretsch, Fred, Manufacturing Co., The, Brooklyn, N. Y. Flutes. 389,179; July 29; Serial No. 437,820; published May 20, 1941. Class 36.

Gross, Samuel I., doing business as Giant Glove Co., New York, N. Y. Gloves. 389,181; July 29; Serial No. 438,074; published Feb. 18, 1941. Class 39.

Grossman, I., & Son, Inc., New York, N. Y. Ladies' and misses' coats, suits, skirts, etc. 389,334; July 29. Class 39.

Grove Regulator Company, Oakland, Calif. Pressure controllers and automatic valves. 389,281; July 29; Serial No. 441,911; published May 20, 1941. Class 13.

Groveton Paper Company, Inc., Groveton, N. H., assignor to Groveton Papers Company, Groveton, N. H. Paper. 389,300–1; July 29. Class 37.

Hathaway, C. F., Co., Waterville, Maine. Shirts. 389,303; July 29. Class 39.

Havmor Food Products. (See Fingerhut, Joseph.)

Henderson, James A., Co., The, Youngstown, Ohio. Used automobiles and trucks. Repaired and renewed. 389,322; July 29. Class 19.

Hillindale Fabrics. (See Antolini, Alberto G.)

Hold-Fast Cement Company. (See Russell, Walter J.)

Hollingshead, R. M., Corp., Camden, N. J., assignor to Sears, Roebuck and Co., Chicago, Ill. Shoe polishing kit. 389,164; July 29; Serial No. 434,646; published May 20, 1941. Class 50.

Hollywood Brands, Inc. (See Dilling & Company, assignor.)

Homasote Company, Inc., Fernwood, N. J. Fibrous material for use in the manufacture of shoe heels, inner soles, platforms and the like. 389,314; July 29.

Hyman, S. E., Company, The, Fremont, Ohio. Covers for automobile cushions, seats, and seat backs. 389,315; July 29. Class 19.

Ideal Disinfectant Corporation, New York, to Permatile Corporation, Brooklyn, N. Y., successor. Disinfectants and deodorants. 140,146; renewed Mar. 8, 1941.

Imperial Hosiery Co., Pittsburgh, Pa. Hosiery and bathing suits. 389,224; July 29; Serial No. 440,654; published May 6, 1941. Class 39.

Iowa-Missouri Hybrid Corn Co., Pulaski, Iowa. Hybrid seed corn. 389,190; July 29; Serial No. 439,251; published May 6, 1941. Class 1.

Jackson Brewing Company, New Orleans, La. Beer. 389,139; July 29; Serial No. 387,670; published June 1, 1937. Class 48.

Johnson & Faulkner, Inc., New York, N. Y. Fabrics in the piece. 389,288; July 29; Serial No. 442,174; published May 20, 1941. Class 42.

Kabo Corset Company, Chicago, Ill. Corsets, girdles, foundations, brassières, etc. 389,229; July 29; Serial No. 440,819; published May 20, 1941. Class 39.

Kelco Company, San Diego, Calif. Algin composition for use in bakery goods. 389,227; July 29; Serial No. 440,723; published May 20, 1941. Class 46.

Kellogg Company, Battle Creek, Mich. Waxed oil paper, impregnated, heat-sealing. 389,207–8; July 29; Serial Nos. 440,200–1; published May 13, 1941. Class 37.

King-Seeley Corporation, Ann Arbor, Mich. Ammeters, oil gauges, heat indicators, etc. 389,226; July 29; Serial No. 440,690; published May 20, 1941. Class 26.

Knight, Harry V., Chester, S. C. Egg substitute for baking and cooking. 143,658; renewed June 7, 1941.

Korby Sportswear, Inc., New York, N. Y. Dresses. 389,168; July 29; Serial No. 435,248; published May 13, 1941. Class 39.

La Casta, Eduardo S., Olhao, Portugal. Fish conserves. 389,155; July 29; Serial No. 432,644; published May 20, 1941. Class 46.

Lactona, Incorporated, St. Paul, Minn. Synthetic bristling filaments. 389,187; July 29; Serial No. 438,887; published May 20, 1941. Class 1.

Lances, Edith, Brassieres, New York, N. Y. Ladies' undergarments. 389,274; July 29; Serial No. 441,437; published May 13, 1941. Class 39.

Lansburgh & Bro., Washington, D. C. Shoes, coats, suits, etc. 389,200; July 29; Serial No. 439,934; published May 13, 1941. Class 39.

Lapper, Benjamin, Brooklyn, assignor to National Pad & Tablet Corp., New York, N. Y. Photographic albums and holders. 389,249; July 29; Serial No. 441,096; published May 13, 1941. Class 37.

La Resista Corset Company, The, Bridgeport, Conn. Corsets, girdles and combination foundation undergarments. 389,241; July 29; Serial No. 440,990; published May 6, 1941. Class 39.

Lawrence, A. C., Leather Company, Boston, to A. C. Lawrence Leather Company, Peabody, Mass. Patent-leather. 145,713; renewed Aug. 16, 1941.

Lewis & Locke, Inc., New York, N. Y. Ladies' leather gloves. 389,323; July 29. Class 39.

Linderman, A. J., & Hoverson Company, Milwaukee, Wis. Wicks for liquid hydrocarbon fuel burners. 389,205; July 29; Serial No. 440,169; published May 20, 1941. Class 34.

Lindner, Erwin E., doing business as Galagaiters Manufacturing Co., New York, N. Y. Spats. 389,175; July 29; Serial No. 437,042; published Apr. 29, 1941. Class 39.

Loewengart & Company, New York, N. Y. Leather skins and leather in the piece in flat, round, or similar shape. 389,256; July 29; Serial No. 441,168; published May 20, 1941. Class 1.

Lookout Oil & Refining Company. (See Wynne, Oliver, assignor.)

Loose-Wiles Biscuit Company. (See Tru-Blu Biscuit Company, assignor.)

MacAlister, Paul, Inc., New York, N. Y. Kit or package containing articles representing in miniature rooms and articles of furniture, etc. 389,198; July 29; Serial No. 439,820; published May 13, 1941. Class 50.

Malt-Diastase Company, New York, to Malt-Diastase Company, Brooklyn, N. Y. Non-alcoholic malt extracts. 148,474; renewed Nov. 15, 1941.

Mar-Salle Chicago Company, Chicago, Ill. Cordials, liqueurs, brandies, and gins. 389,188; July 29; Serial No. 439,050; published May 20, 1941. Class 49.

Massey Concrete Products Corporation, Chicago, Ill., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Concrete poles. 144,857; renewed July 19, 1941.

May Department Stores Company, The, Baltimore, Md.; Cleveland, Ohio; Los Angeles, Calif.; and Denver, Colo., doing business as Famous-Barr Company, St. Louis, Mo., and as The M. O'Neil Co., Akron, Ohio. Ladies' gloves. 389,228; July 29; Serial No. 440,786; published May 6, 1941. Class 39.

McAfee, Charles O. (See Garrison-Cook Candy Co., assignor.)

McBee Company, The, Athens, Ohio. Index cards. 389,161; July 29; Serial No. 434,414; published May 13, 1941. Class 37.

McClung, Eugene F., doing business as Royal Auto Products Company, Huntington Park, Calif. Mats made of rubberized cords. 389,257; July 29; Serial No. 441,169; published May 20, 1941. Class 32.

McCormick & Co., Incorporated, Baltimore, Md. Insect-powders. 148,469; renewed Nov. 15, 1941.

Medlicott Co., The, Windsor Locks, Conn. Wool underwear. 149,160; renewed Dec. 6, 1941.

Merck & Co., assignor, by mesne assignments, to Phyllosan Laboratories, Incorporated, New York, N. Y. Preparation of chlorophyl in tablet form. 146,116; renewed Aug. 30, 1941.

Michaelis, Benjamin, doing business as Statolet Company, New York, N. Y. Pencils, fountain-pens, rulers, etc. 389,216; July 29; Serial No. 440,420; published May 20, 1941. Class 37.

Michigan Potato Growers' Exchange, Inc., Cadillac, Mich. Potatoes. 389,159 July 29; Serial No. 439,204; published May 20, 1941. Class 46.

Mid-West Food Packers, Inc., Fowlerton, Ind. Tomato catsup, chili sauce. 389,312; July 29. Class 46.

Mills Novelty Company, Chicago, Ill. Sound motion pictures. 389,170; July 29; Serial No. 435,398; published May 20, 1941. Class 26.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Light reflecting material in sheet form. 389,202; July 29; Serial No. 439,970; published May 6, 1941. Class 50.

Mohawk Rubber Company, The, Akron, Ohio. Vehicle tires. 389,265; July 29; Serial No. 441,321; published May 20, 1941. Class 35.

Monarch Leather Company, Chicago, Ill. Leather. 389,263; July 29; Serial No. 441,287; published May 6, 1941. Class 1.

Moore, John Hudson, Inc., New York, N. Y. Toilet brushes. 389,242; July 29; Serial No. 440,993; published May 13, 1941. Class 29.

Municipal Supply Company, South Bend, Ind. Self-propelled pickup street sweepers. 389,195; July 29; Serial No. 439,722; published May 20, 1941. Class 23.

Murray Undergarment Company, Inc., New York, N. Y. Ladies' undergarments. 389,316; July 29. Class 39.

Nagel, Ethel, New York, N. Y. Ladies' and children's handbags. 389,290; July 29; Serial No. 442,271; published May 20, 1941. Class 3.

National Mattress Company, Huntington, W. Va. Processed antiseptic ticking. 389,230; July 29; Serial No. 440,829; published May 6, 1941. Class 50.

National Pad & Tablet Corp. (See Lapper, Benjamin, assignor.)

National Pharmacy Company, San Francisco, Calif. Preparation for relief of the discomfort associated with simple gastric hyperacidity. 389,327; July 29. Class 6.

Nauvoo Milk Products Co. (See Rohde, Oscar H.)

Needham Products Company, The, assignor to W. M. Needham, Cleveland, Ohio. Medicine. 147,137; renewed Oct. 4, 1941.

Newport, Mr., Inc., Chicago, Ill. Nonalcoholic maltless beverages. 389,311; July 29. Class 45.

Nucoa Butter Company, assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Creams, ice-creams and frozen desserts. 145,987; renewed Aug. 23, 1941.

Oakbrook Hosiery Mills, Inc. (See Eberly, Isaac C., assignor.)

Oilgear Company, The. (See Ferris, Walter, assignor.)

Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 389,286; Serial No. 442,048; published May 20, 1941. Class 49.

Oldetyme Distillers, Inc., New York, N. Y. Whiskey. 389,138; July 29; Serial No. 365,813; published July 30, 1935. Class 49.

O'Neil, M., Co., The. (See May Department Stores Company.)

Orefraction Incorporated, Pittsburgh, Pa. Minerals and ore concentrates. 389,156; July 29; Serial No. 433,260; published Apr. 29, 1941. Class 1.

Ottenstein, H. & I., New York, N. Y., assignor to Ottenstein Coats, Inc., Lancaster, Pa. Ladies' coats, suits, and skirts. 144,021; renewed June 21, 1941.

Pacific Coast Grocery Co., Inc., also doing business as Brannon Distributing Company, San Francisco, Calif. Canned fruits, vegetables, fish, etc. 389,209; July 29; Serial No. 440,261; published May 20, 1941. Class 46.

Panther-Panco Rubber Co., Inc., Chelsea, Mass. Rubber soles. 389,306; July 29. Class 39.

Para Manufacturing Co., Inc., Newark, N. J. Shower bath curtains and matching window drapes and shower curtains. 389,162; July 29; Serial No. 434,499; published May 20, 1941. Class 13.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Underwear, hosiery, belts, etc. 389,151; July 29; Serial No. 429,666; published Apr. 29, 1941. Class 39.

Pepper, Dr., Bottling Co. (See Cormany, S. J., Jr.)

Permatile Corporation. (See Ideal Disinfectant Corporation.)

Phyllosan Laboratories, Incorporated. (See Merck & Co., assignor.)

Pillsbury Flour Mills Company, Minneapolis, Minn. Prepared mixture for the making of doughnuts, cakes, rolls, etc. 389,177; July 29; Serial No. 437,694; published Jan. 14, 1941. Class 46.

Posadas, Daniel G., Buenos Aires, Argentina. Casein. 389,233; July 29; Serial No. 440,877; published Apr. 29, 1941. Class 1.

Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Artificial filaments and plastic sheet material. 389,231; July 29; Serial No. 440,833; published Apr. 29, 1941.

Prosperity Company. (See Braun, Philip N.)

Purity Cheese Co., Mayville, Wis. Cheese. 389,171; July 29; Serial No. 435,591; published May 20, 1941. Class 46.

Quist, Andrew H., Jr., Brooklyn, N. Y. Model electric railroad apparatus controls. 389,332; July 29. Class 21.

Raffetto, G. B., Inc., New York, N. Y. Bottled jams, jellies, preserves, etc. 389,261; July 29; Serial No. 441,256; published May 20, 1941. Class 46.

Ralston Purina Company, St. Louis, Mo. Fresh eggs. 389,180; July 29; Serial No. 437,914; published May 20, 1941. Class 46.

Ramsmore Sled Company, Inc., The, New York, N. Y. Coaster sleds. 389,251; July 29; Serial No. 441,141; published May 20, 1941. Class 22.

Ray-Maling Co., Inc., Hillsboro, Oreg. Canned fruits, berries, vegetables, and fruit jams. 144,629; renewed July 12, 1941.

Remington Rand Inc., Buffalo, N. Y. File folders. 389,269–70; July 29; Serial Nos. 441,369–70; published May 6, 1941. Class 37.

Remington Rand Inc., Buffalo, N. Y. Blank and partially printed index cards. 389,271; July 29; Serial No. 441,371; published May 13, 1941. Class 37.

Remington Rand Inc., Buffalo, N. Y. File folders. 389,272; July 29; Serial No. 441,372; published May 6, 1941. Class 37.

Rieser Company, The, assignor to The Rieser Company, Inc., New York, N. Y. Hair-nets. 149,214; renewed Dec. 6, 1941.

Robinson, David, to Robinson Brothers Buffalo Ammonia, Inc., Brooklyn, N. Y., successor. Ammonia. 148,732; renewed Nov. 22, 1941.

Rhode, Oscar H., doing business as Nauvoo Milk Products Co., Nauvoo, Ill. Cheese. 389,320; July 29. Class 46.

Roper, Geo. D., Corporation, Rockford, Ill. Oven thermostats for gas ranges. 389,147; July 29; Serial No. 427,451; published May 20, 1941. Class 26.

Rosenthal, E. M., Jewelry Co., Washington, D. C. Watches. 389,324; July 29. Class 27.

Royal Auto Products Company. (See McClung, Eugene F.)

Russell, Walter J., doing business as Hold-Fast Cement Company, Seattle, Wash. Adhesive cement composition. 389,318; July 29. Class 5.

Sachs Quality Furniture, Inc., New York, N. Y. Shoes. 389,310; July 29. Class 39.

Saks & Company, New York, N. Y. Shoes. 389,260; July 29; Serial No. 441,215; published May 13, 1941. Class 39.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables. 389,192; July 29; Serial No. 439,632; published May 20, 1941. Class 46.

Salvus Products Inc., Chicago, Ill. Sutures. 389,287; July 29; Serial No. 442,076; published May 20, 1941. Class 44.
Saukville Canning Co., Milwaukee and Saukville, Wis. Canned vegetables and vegetable juices. 389,234; July 29; Serial No. 440,880; published May 20, 1941. Class 46.
Schieren, Chas. A., Company, New York, N. Y. Leather packings. 149,229; renewed Dec. 6, 1941.
Schroeder Bros., Inc., New York, N. Y. Spanish brandy. 389,235; July 29; Serial No. 440,884; published May 20, 1941. Class 49.
Sears, Roebuck and Co., Chicago, Ill. Sateen in the piece. 144,467; renewed July 5, 1941.
Sears, Roebuck and Co., Chicago, Ill. Diaper-flannel in the piece. 144,923; renewed July 19, 1941.
Sears, Roebuck and Co., Chicago, Ill. Cotton serge in the piece. 144,925; renewed July 19, 1941.
Sears, Roebuck and Co., Chicago, Ill. Chambray in the piece. 144,926; renewed July 19, 1941.
Sears, Roebuck and Co., Chicago, Ill. Ginghams in the piece. 144,927; renewed July 19, 1941.
Sears, Roebuck and Co., Chicago, Ill. Wool rugs. 145,217; renewed July 26, 1941.
Sears, Roebuck and Co., Chicago, Ill. Canton-flannel. 145,218; renewed July 26, 1941.
Sears, Roebuck and Co., Chicago, Ill. Batiste in the piece. 145,219; renewed July 26, 1941.
Sears, Roebuck and Co., Chicago, Ill. Ticking in the piece. 145,220; renewed July 26, 1941.
Sears, Roebuck and Co. (See Hollingshead, R. M., Corp.)
Security Fur Seal Co. Inc., New York, N. Y. Protection and identification seals for furs, skins, apparel, etc. 389,317; July 29. Class 50.
Seeman Brothers, Inc., New York, N. Y. Canned peas. 389,309; July 29. Class 46.
Selwam Metal Lures, Columbus, Ind. Fishing bait including spinner, etc. 389,289; July 29; Serial No. 442,245; published May 20, 1941. Class 22.
Shilo Shirt Co., Inc., Wallingford, Conn. Men's and boys' sportwear. 389,321; July 29. Class 39.
Shu-Milk Products Corporation, Passaic, N. J. Combination bottle cap and brush. 389,193–4; July 29; Serial Nos. 439,671–2; published Apr. 29, 1941. Class 50.
Simon, Franklin, & Co. Inc., New York, N. Y. Women's and misses' shoes. 389,148; July 29; Serial No. 428,386; published May 6, 1941. Class 39.
Simon, Franklin, & Co. Inc., New York, N. Y. Women's and misses' shoes. 389,150; July 29; Serial No. 428,807; published May 6, 1941. Class 39.
Solo Products Corporation, New York, N. Y. Hair nets. 389,239; July 29; Serial No. 440,964; published May 6, 1941. Class 39.
Solomon, H., Holliday, Mo. Medicinal preparation 149,240; renewed Dec. 6, 1941.
Sorg Paper Co., The, Middletown, Ohio. Toilet tissue, wrapping paper, printing paper, etc. 389,246; July 29; Serial No. 441,063; published Apr. 29, 1941. Class 37.
Sprig Co., Minneapolis, Minn. Non-alcoholic beverages sold as soft drinks and syrups. 389,275; July 29; Serial No. 441,490; published May 20, 1941. Class 45.
Statolet Company. (See Michaelis, Benjamin.)
Stein, A., & Company, Chicago, Ill. Brassières and foundation garments. 389,240; July 29; Serial No. 440,965; published May 6, 1941. Class 39.
Stein, A., & Company, Chicago, Ill. Sanitary belts and tampons. 389,264; July 29; Serial No. 441,292; published May 20, 1941. Class 44.
Stern, Merritt Co., Inc., New York, N. Y. Neckties. 389,185; July 29; Serial No. 438,817; published Apr. 29, 1941. Class 39.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps for men, women, and children. 389,217; July 29; Serial No. 440,476; published May 6, 1941. Class 39.
Stetson, John B., Company, Philadelphia, Pa. Felt hats. 389,277; July 29; Serial No. 441,523; published May 13, 1941. Class 39.
Strathmore Paper Company, West Springfield, Mass. Writing and printing paper. 389,247; July 29; Serial No. 441,064; published Apr. 29, 1941. Class 37.
Sturm & Scheinberg Inc., New York, N. Y. Girdles and corselets. 389,302; July 29. Class 39.
Swift and Company, Chicago, Ill. Soap. 148,934; renewed Nov. 29, 1941.
Tex-O-Kan Flour Mills Company doing business as Burrus Feed Mills, Dallas, Tex. Poultry, dairy, livestock, etc., feeds, etc. 389,182; July 29; Serial No. 438,288; published May 20, 1941. Class 46.
Thebest Mills Co., New York, N. Y. Women's, misses', and children's dresses, play suits, outer skirts, etc. 389,329; July 29. Class 39.
Tolibia Cheese Corporation, New York, N. Y. Cheese. 389,328; July 29. Class 46.
Tru-Blu Biscuit Company, assignor to Loose-Wiles Biscuit Company, Spokane, Wash. Candy. 149,264–6; renewed Dec. 6, 1941.
Uddeholms Aktiebolag, Uddeholm, Sweden. Razor blades. 389,143; July 29; Serial No. 421,825; published May 20, 1941. Class 23.
United Drug Company, assignor to United Drug Company, Boston, Mass. Razors and pocketknives. 143,762; renewed June 7, 1941.
Wagner and Company, Mont Clare, Pa. Compound for the relief of simple neuralgia and headache. 389,336; July 29. Class 6.
Walsh, James, & Co. Inc., Lawrenceburg, Ind. Whiskies, gin, brandy, etc. 389,284; July 29; Serial No. 441,998; published May 20, 1941. Class 49.
Wärtsilä-Yhtymä O/Y-Wärtsilä-Koncernen A/B, Vartsila, Finland. Dairy machinery. 389,232; July 29; Serial No. 440,844; published May 20, 1941. Class 23.
Webster, F. S., Company, Cambridge, Mass. Carbon paper. 389,154; July 29; Serial No. 432,590; published May 20, 1941. Class 11.
Wechsler, Jacob, & Sons, Inc., New York, N. Y. Suspenders, belts, and garters. 389,201; July 29; Serial No. 439,954; published Apr. 29, 1941. Class 39.
Western Waxed Paper Company, division of Crown Zellerbach Corporation. (See Crown Zellerbach Corporation.)
Westinghouse Electric & Manufacturing Company. (See Massey Concrete Products Corporation, assignor.)
Wheeler, F. H., Manufacturing Company, Chicago, Ill. Fireproof asbestos clothing. 389,298; July 29. Class 39.
Wheeler Insulated Wire Co., The, Bridgeport, Conn. Switches. 389,169; July 29; Serial No. 435,269; published May 20, 1941. Class 21.
Whitman, Stephan F., & Son, Inc., Philadelphia, Pa. Candy. 149,290; renewed Dec. 6, 1941.
Wilkening Manufacturing Company, Philadelphia, Pa. Metallic piston rings and spring expanders therefor. 389,243–4; July 29; Serial Nos. 441,004–5; published May 20, 1941. Class 35.
Wilson, Glemis R., La Follette, Tenn. Calomel compound tablets. 389,295; July 29. Class 6.
Woekly, Conrad G., Port Washington, Long Island, N. Y. Display board for stretching shirts. 389,266; July 29; Serial No. 441,339; published May 6, 1941. Class 50.
Wohl Shoe Company, St. Louis, Mo. Shoes. 389,178; July 29; Serial No. 437,792; published Apr. 29, 1941. Class 39.
Wolper, Harry B., Chicago, Ill. Glass coffee maker. 389,325; July 29. Class 13.
Wood Shovel and Tool Company, The, Piqua, Ohio. Shovels, spades, scoops, etc. 148,320; renewed Nov. 8, 1941.
Wynne, Oliver, Norfolk, Va., assignor to Lookout Oil & Refining Company, Chicago, Ill. Lard substitute composed of cottonseed oil and other ingredients. 145,211; renewed July 26, 1941.
Yates, A. W., Inc., Hartford, Conn. Honey mixtures. 389,191; July 29; Serial No. 439,500; published May 20, 1941. Class 46.
Youngsville Star Mfg. Co., Youngsville, Pa. Household furniture. 389,307; July 29. Class 32.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Casein. D. G. Posadas. 389,233; July 29; Serial No. 440,877; published Apr. 29, 1941.
Coal. Bessemer Coal Iron & Land Company. 389,248; July 29; Serial No. 441,080; published May 20, 1941.
Coal. Cherokee Coal Company. 389,218–19; July 29; Serial Nos. 440,491–2; published May 6, 1941.
Filaments and plastic sheet material, Artificial. Pro-Phy-Lac-Tic Brush Company. 389,231; July 29; Serial No. 440,833; published Apr. 29, 1941.
Filaments, Synthetic bristling. Lactona, Incorporated. 389,187; July 29; Serial No. 438,887; published May 20, 1941.
Fluid or plastic material in the nature of synthetic resin, Synthetic initially. American Phenolic Corporation. 389,142; July 29; Serial No. 417,951; May 20, 1941.
Leather. B. D. Eisendrath Tanning Co. 389,204; July 29; Serial No. 440,086; published May 6, 1941.
Leather. B. D. Eisendrath Tanning Co. 389,211; July 29; Serial No. 440,284; published May 6, 1941.
Leather. John R. Evans & Company. 389,199; July 29; Serial No. 439,860; published May 13, 1941.
Leather. Monarch Leather Company. 389,263; July 29; Serial No. 441,287; published May 6, 1941.
Leather skins and leather in the piece. Loewengart & Company. 389,256; July 29; Serial No. 441,168; published May 20, 1941.
Minerals and ore concentrates. Orefraction Incorporated. 389,156; July 29; Serial No. 433,260; published Apr. 29, 1941.
Patent-leather. A. C. Lawrence Leather Company. 145,713; renewed Aug. 16, 1941.

Peat moss. Faesy & Besthoff, Inc. 389,237–8; July 29; Serial Nos. 440,927–8; published May 20, 1941.
Purified colloidal clay. W. Feldenheimer. 141,120; renewed Apr. 12, 1941.
Seed corn, Hybrid. Iowa-Missouri Hybrid Corn Co. 389,190; July 29; Serial No. 439,251; published May 6, 1941.
Skins, Fur. Eitingon-Gregory, Inc. 389,259; July 29; Serial No. 441,196; published May 6, 1941.
Sponge rubber in sheet and various other forms. Brown Rubber Company. 389,174; July 29; Serial No. 437,025; published May 20, 1941.

CLASS 2

Cabinets for paper toweling and mechanical solutions for automobile windshield cleaning. Bay West Paper Company. 389,283; July 29; Serial No. 441,994; published May 20, 1941.

CLASS 3

Handbags. E. Nagel. 389,290; July 29; Serial No. 442,271; published May 20, 1941.

CLASS 4

Soap. Swift and Company. 148,934; renewed Nov. 29, 1941.

CLASS 5

Adhesive cement composition. W. J. Russell. 389,318; July 29.
Binders, Cereal core. Corn Products Refining Company. 389,293; July 29; Serial No. 442,353; published May 20, 1941.
Core-binding compound. Casein Manufacturing Company. 147,760; renewed Nov. 1, 1941.

CLASS 6

Ammonia. David Robinson. 148,732; renewed Nov. 22, 1941.
Antiseptic solution. Aseptico Laboratories, Inc. 143,538; renewed June 7, 1941.
Compound for the relief of simple neuralgia and headache. Wagner and Company. 389,336; July 29.
Disinfectants and deodorants. Ideal Disinfectant Corporation. 140,146; renewed Mar. 8, 1941.
Dyes and dyeing compositions. Carpenter-Morton Company. 144,155; renewed June 21, 1941.
Insect-powders. McCormick & Co., Incorporated. 148,469; renewed Nov. 15, 1941.
Medicine. Needham Products Company. 147,137; renewed Oct. 4, 1941.
Medicine for blind foul and foot-halt in cattle. C. E. De Forest. 142,980; renewed May 24, 1941.
Medicinal preparation. H. Solomon. 149,240; renewed Dec. 6, 1941.
Medicinal tonic. Dr. Peter Fahrney & Sons Co. 149,047; renewed Dec. 6, 1941.
Preparation for relief of the discomfort associated with simple gastric hyperacidity. National Pharmacy Company. 389,327; July 29.
Preparation of chlorophyl in tablet form. Merck & Co. 146,116; renewed Aug. 30, 1941.
Tablets, Calomel compound. G. R. Wilson. 389,295; July 29.
Talcum powder, face-powder, toilet extract, etc. A. P. Babcock Company. 146,169; renewed Sept. 6, 1941.

CLASS 8

Cigarette paper. Ecusta Paper Corporation. 389,262; July 29; Serial No. 441,281; published May 20, 1941.

CLASS 11

Carbon paper. F. S. Webster Company. 389,154; July 29; Serial No. 432,590; published May 20, 1941.

CLASS 12

Concrete poles. Massey Concrete Products Corporation. 144,857; renewed July 19, 1941.

CLASS 13

Chains, Anti-skid. Columbus McKinnon Chain Corporation. 389,280; July 29; Serial No. 441,902; published May 20, 1941.
Glass coffee maker. H. B. Wolper. 389,325; July 29.
Pressure controllers and automatic valves. Grove Regulator Company. 389,281; July 29; Serial No. 441,911; published May 20, 1941.
Shower bath curtains and matching window drapes and shower curtains. Para Manufacturing Co. 389,162; July 29; Serial No. 434,499; published May 20, 1941.

CLASS 14

Metal-welding electrodes. Electric Arc Cutting and Welding Company. 145,086; renewed July 26, 1941.

CLASS 17

Cigars, cigarettes, smoking tobacco, etc. F. S. Baer. 389,267; July 29; Serial No. 441,342; published May 6, 1941.
Tobacco Products. Constantino Gonzalez y Cia, S. En. C. 389,172; July 29; Serial No. 435,789; published May 13, 1941.
Tobacco, Smoking and chewing. American Tobacco Company. 145,310; renewed Aug. 2, 1941.

CLASS 19

Automobiles and trucks, Used, repaired, and renewed. J. A. Henderson Co. 389,322; July 29.
Bicycles. Arnold, Schwinn & Co. 389,285; July 29; Serial No. 442,022; published May 20, 1941.
Covers for automobile cushions, seats, and seat backs. S. E. Hyman Company. 389,315; July 29.

CLASS 21

Electric railroad apparatus controls, Model. Andrew Harold Quist, Jr. 389,332; July 29.
Magnet-wires. Belden Manufacturing Company. 147,924; renewed Nov. 8, 1941.
Magnet-wires. Belden Manufacturing Company. 147,927; renewed Nov. 8, 1941.
Switches. Wheeler Insulated Wire Co. 389,169; July 29; Serial No. 435,269; published May 20, 1941.

CLASS 22

Fishing bait. Selwan Metal Lures. 389,289; July 29; Serial No. 442,245; published May 20, 1941.
Sleds, Coaster. Ramsmore Sled Company. 389,251; July 29; Serial No. 441,141; published May 20, 1941.
Toy embroidery sets. Milton Bradley Company. 389,294; July 29; Serial No. 442,549; published May 20, 1941.

CLASS 23

Agricultural implements. B. F. Avery & Sons. 141,852; renewed May 3, 1941.
Agricultural machinery and knife and tool grinders. B. F. Avery & Sons. 137,768; renewed Dec. 7, 1940.
Agricultural machines and separate parts for each of said machines. B. F. Avery & Sons. 137,938; renewed Dec. 14, 1940.
Cotton-gins, and accessories therefor, and cotton-presses. Continental Gin Company. 147,287; renewed Oct. 11, 1941.
Dairy machinery. Wärtsilä-Yhtymä O/Y-Wärtsilä-Koncernen A/B. 389,232; July 29; Serial No. 440,844; published May 20, 1941.
Dispenser, Mechanically operated and cycle governed. Diversey Corporation. 389,149; July 29; Serial No. 428,474; published May 20, 1941.
Dust collecting machinery and apparatus and systems and pneumatic conveying machinery, etc. Dust Recovering & Conveying Company. 143,938; renewed June 21, 1941.
Grippers for use on printing-presses. Casper Gripper Co. 143,300; renewed May 31, 1941.
Hoppers, bins, buckets, etc., Concrete holding. Garlinghouse Brothers. 389,220; July 29; Serial No. 440,500; published May 20, 1941.
Hydraulic transmissions. W. Ferris. 148,019–20; renewed Nov. 8, 1941.
Pumps for handling gaseous fluids. Central Scientific Company. 389,215; July 29; Serial No. 440,405; published May 20, 1941.
Razor blades. Uddeholms Aktiebolag. 389,143; July 29; Serial No. 421,825; published May 20, 1941.
Razors and pocketknives. United Drug Company. 143,762; renewed June 7, 1941.
Sewing machines. Consolidated Sewing Machine & Supply Co. 389,145; July 29; Serial No. 425,187; published May 20, 1941.
Shovels, spades, scoops, etc. Wood Shovel and Tool Company. 148,320; renewed Nov. 8, 1941.
Sweepers, Self-propelled pickup street. Municipal Supply Company. 389,195; July 29; Serial No. 439,722; published May 20, 1941.
Tool holder for lathe use, Pivot boring. A. T. Banineau. 389,183; July 29; Serial No. 438,298; published May 20, 1941.
Tools, Metal working. R. A. Edens. 389,254; July 29; Serial No. 441,160; published May 20, 1941.
Tractor attachments, Highway. Arps Corporation. 389,250; July 29; Serial No. 441,120; published May 20, 1941.

CLASS 26

Ammeters, oil gauges, heat indicators, etc. King-Seeley Corporation. 389,226; July 29; Serial No. 440,690; published May 20, 1941.
Optical products, engineering and other instruments and apparatus. Bausch & Lomb Optical Company. 148,789; renewed Nov. 29, 1941.
Pictures. Sound motion. Mills Novelty Company. 389,170; July 29; Serial No. 435,398; published May 20, 1941.
Thermostats, Fixed temperature and rate-of-rise types of sprinkler system control. "Automatic" Sprinkler Company of America. 389,203; July 29; Serial No. 439,987; published May 20, 1941.
Thermostats for gas ranges, Oven. Geo. D. Roper Corporation. 389,147; July 29; Serial No. 427,451; published May 20, 1941.

CLASS 27

Watches. E. M. Rosenthal Jewelry Co. 389,324; July 29.

CLASS 29

Brushes, Toilet. John Hudson Moore Inc. 389,242; July 29; Serial No. 440,993; published May 13, 1941.

CLASS 31

Refrigerating machines and parts thereof, Electric. Edison General Electric Appliance Company. 389,291; July 29; Serial No. 442,312; published May 20, 1941.
Refrigerator cabinets. Gibson Electric Refrigerator Corporation. 389,335; July 29.

CLASS 32

Chairs and sofas. Gavin-Simon. 389,292; July 29; Serial No. 442,317; published May 20, 1941.
Chairs, Lounge rocking. Artbilt Furniture Company. 389,297; July 29.
Furniture, Household. Youngsville Star Mfg. Co. 389,307; July 29.
Mats made of rubberized cords. E. F. McClung. 389,257; July 29; Serial No. 441,169; published May 20, 1941.

CLASS 34

Boilers, furnaces and parts thereof. Century Engineering Corporation. 389,141; July 29; Serial No. 403,164; published May 20, 1941.
Wicks for liquid hydrocarbon fuel burners. A. J. Linderman, & Hoverson Company. 389,205; July 29; Serial No. 440,169; published May 20, 1941.

CLASS 35

Leather packings. Chas. A. Schieren Company. 149,229; renewed Dec. 6, 1941.
Piston rings and spring expanders therefor, Metallic. Wilkening Manufacturing Company. 389,243–4; July 29; Serial Nos. 441,004–5; published May 20, 1941.
Tires, Vehicle. Mohawk Rubber Company. 389,265; July 29; Serial No. 441,321; published May 20, 1941.

CLASS 36

Flutes. Fred Gratsch Manufacturing Co. 389,179; July 29; Serial No. 437,820; published May 20, 1941.
Radio and phonograph, Combination. Continental Radio and Television Corporation. 389,214; July 29; Serial No. 440,368; published May 20, 1941.

CLASS 37

Albums and holders, Photographic. B. Lapper. 389,249; July 29; Serial No. 441,096; published May 13, 1941.
Bathroom tissue. Federated Foods, Inc. 389,245; July 29; Serial No. 441,051; published Apr. 29, 1941.
Books. L. D. Dodson. 389,158; July 29; Serial No. 433,777; published Apr. 29, 1941.
Check books, account books, entry books, and binders. J. Berg. 389,210; July 29; Serial No. 440,278; published May 6, 1941.
File folders. Remington Rand Inc. 389,269–70; July 29; Serial Nos. 441,369–70; published May 6, 1941.
File folders. Remington Rand Inc. 389,272; July 29; Serial No. 441,372; published May 6, 1941.
Index cards. McBee Company. 389,161; July 29; Serial No. 434,414; published May 13, 1941.
Index cards, Blank and partially printed. Remington Rand Inc. 389,271; July 29; Serial No. 441,371; published May 13, 1941.
Paper. Groveton Paper Company. 389,300–1; July 29.
Paper, Typewriting. Eaton Paper Corporation. 389,305; July 29.
Paper, Waxed. Crown Zellerbach Corporation. 389,225; July 29; Serial No. 440,676; published May 20, 1941.
Paper, Waxed oil, impregnated, heat-sealing. Kellog Company. 389,207–8; July 29; Serial Nos. 440,200–1; published May 13, 1941.
Paper, Writing and printing. Strathmore Paper Company. 389,247; July 29; Serial No. 441,064; published Apr. 29, 1941.
Pencils, fountain-pens, rulers, etc. B. Michaelis. 389,216; July 29; Serial No. 440,420; published May 20, 1941.
Pencils, Paper encased lead. Blaisdell Pencil Company. 389,331; July 29.
Tissue, wrapping paper, printing paper, etc., Toilet. Sorg Paper Co. 389,246; July 29; Serial No. 441,063; published Apr. 29, 1941.

CLASS 38

Periodicals and publications, Weekly. American Lumberman. 147,904; renewed Nov. 8, 1941.

CLASS 39

Blouses and dresses. B. Altman & Co. 389,184; July 29; Serial No. 438,639; published May 6, 1941.
Blouses, sweaters, dresses, etc. Bonwit Teller, Inc. 389,304; July 29.
Boots and shoes. H. C. Godman Company. 389,140; July 29; Serial No. 400,370; published Sept. 13, 1938.
Brassières and foundation garments. A. Stein & Company. 389,240; July 29; Serial No. 440,965; published May 6, 1941.
Brassières, bandeaux, corsets, etc. Corset Bar, Inc. 389,153; July 29; Serial No. 431,000; published Aug. 20, 1940.
Clothing, Fireproof asbestos. F. H. Wheeler Manufacturing Company. 389,298; July 29.
Coats, jackets, muffs, etc. M. Etelson. 389,212; July 29; Serial No. 440,285; published May 6, 1941.
Coats, suits, and skirts, Ladies'. H. & I. Ottenstein. 144,021; renewed June 21, 1941.
Coats, suits, skirts, etc. I. Grossman & Son, Inc. 389,334; July 29.
Coats, suits, coat and suit ensembles, etc. Glass & Co. 389,333; July 29.
Corsets, girdles and combination foundation undergarments. La Resista Corset Company. 389,241; July 29; Serial No. 440,990; published May 6, 1941.
Corsets, girdles, foundations, brassières, etc. Kabo Corset Company. 389,229; July 29; Serial No. 440,819; published May 20, 1941.
Dresses. Korby Sportswear, Inc. 389,168; July 29; Serial No. 435,248; published May 13, 1941.
Dresses, play suits, outer skirts, etc. Thebest Mills Co. 389,329; July 29.
Dresses, teagowns, coats, etc. Bonwit Teller, Inc. 389,296; July 29.
Garments, Foundation. A. Cohen Brassieres, Inc. 389,313; July 29.
Girdles and corselets. Sturm & Scheinberg Inc. 389,302; July 29.
Gloves. Fownes Brothers & Company. 389,279; July 29; Serial No. 441,700; published May 13, 1941.
Gloves. Glovecraft, Inc. 389,223; July 29; Serial No. 440,588; published May 6, 1941.
Gloves. Lewis & Locke, Inc. 389,323; July 29.
Gloves. May Department Stores Company. 389,228; July 29; Serial No. 440,786; published May 6, 1941.
Gloves. S. I. Gross. 389,181; July 29; Serial No. 438,074; published Feb. 18, 1941.
Hair-nets. Rieser Company. 149,214; renewed Dec. 6, 1941.
Hair nets. Solo Products Corporation. 389,239; July 29; Serial No. 440,964; published May 6, 1941.
Hats. Brae-Burn Hat Co. Inc. 389,326; July 29.
Hats and caps for men, etc. John B. Stetson Company. 389,217; July 29; Serial No. 440,476; published May 6, 1941.
Hats and hat bodies. R. H. Comey Company. 389,222; July 29; Serial No. 440,582; published May 13, 1941.
Hats, Felt. John B. Stetson Company. 389,277; July 29; Serial No. 441,523; published May 13, 1941.
Hosiery. J. C. Bossong. 147,934; renewed Nov. 8, 1941.
Hosiery. I. C. Eberly. 144,751; renewed July 19, 1941.
Hosiery and bathing suits. Imperial Hosiery Co. 389,224; July 29; Serial No. 440,654; published May 6, 1941.
Hosiery, dresses, coats, etc. Firma Paul Schönfeld. 389,144; July 29; Serial No. 422,155; published May 13, 1941.
Neckties. Stern, Merritt Co., Inc. 389,185; July 29; Serial No. 438,817; published Apr. 29, 1941.
Rubber boots, rubbers, and goloshes. Chicago Mail Order Company. 389,253; July 29; Serial No. 441,155; published May 20, 1941.
Shirts. C. F. Hathaway Co. 389,303; July 29.
Shoes. Chicago Mail Order Company. 389,252; July 29; Serial No. 441,154; published May 6, 1941.
Shoes. Edison Brothers Stores, Inc. 389,236; July 29; Serial No. 440,925; published Apr. 29, 1941.
Shoes. A. V. Ettelbrick. 389,213; July 29; Serial No. 440,324; published May 13, 1941.
Shoes. Falcon Shoe Company. 389,159; July 29; Serial No. 434,209; published May 6, 1941.
Shoes. Field and Flint Co. 389,299; July 29.
Shoes. Franklin Simon & Co. Inc. 389,148; July 29; Serial No. 428,386; published May 6, 1941.
Shoes. Franklin Simon & Co. Inc. 389,150; July 29; Serial No. 428,807; published May 6, 1941.
Shoes. General Shoe Corporation. 389,276; July 29; Serial No. 441,507; published May 13, 1941.
Shoes. Sachs Quality Furniture, Inc. 389,310; July 29.
Shoes. Saks & Company. 389,260; July 29; Serial No. 441,215; published May 13, 1941.
Shoes. Wohl Shoe Company. 389,178; July 29; Serial No. 437,792; published Apr. 29, 1941.
Shoes, coats, suits, etc. Lansburgh & Bro. 389,200; July 29; Serial No. 439,934; published May 13, 1941.
Soles and heels, Rubber and composition. Essex Rubber Company. 148,830; renewed Nov. 29, 1941.
Soles, Rubber. Panther-Panco Rubber Co. 389,306; July 29.
Spats. E. E. Lindner. 389,175; July 29; Serial No. 437,042; published Apr. 29, 1941.
Sportwear, Men's and boys'. Shilo Shirt Co. Inc. 389,321; July 29.
Suits and overcoats, Men's and boys'. Chicago Mail Order Company. 389,319; July 29.
Suits, overcoats, topcoats, etc. F. H. Cohen. 389,258; July 29; Serial No. 441,195; published May 6, 1941.
Suits, sweaters, hats, etc., Bathing. B. Altman & Co. 389,163; July 29; Serial No. 434,591; published Apr. 29, 1941.
Suspenders, belts, and garters. Jacob Wechsler & Sons, Inc. 389,201; July 29; Serial No. 439,954; published Apr. 29, 1941.
Topcoats, overcoats, suits, etc. Bond Stores, Incorporated. 389,273; July 29; Serial No. 441,385; published May 6, 1941.
Undergarments. Edith Lances Brassieres. 389,274; July 29; Serial No. 441,437; published May 13, 1941.
Undergarments, Ladies'. Murray Undergarment Company. 389,316; July 29.

Underwaists, union-suits, and sleeping garments. E-Z Waist Company. 147,308; renewed Oct. 11, 1941.
Underwear. E-Z Waist Company. 148,401; renewed Nov. 15, 1941.
Underwear, hosiery, belts, etc. J. C. Penney Company. 389,151; July 29; Serial No. 429,666; published Apr. 29, 1941.
Underwear, outerwear, men's hose, etc. Celanese Corporation of America. 389,206; July 29; Serial No. 440,189; published Apr. 29, 1941.
Waterproof coats and jackets and waterproof boots, shoes, etc. B. F. Goodrich Company. 143,623, renewed June 7, 1941.
Woolen underwear. Medlicott Co. 149,160; renewed Dec. 6, 1941.

CLASS 42

Batiste in the piece. Sears, Roebuck and Co. 145,219; renewed July 26, 1941.
Canton-flannel. Sears, Roebuck and Co. 145,218; renewed July 26, 1941.
Chambray in the piece. Sears, Roebuck and Co. 144,926; renewed July 19, 1941.
Cloth in the piece and drapery fabric. C. E. Briddell Company. 389,166; July 29; Serial No. 434,927; published May 20, 1941.
Cotton serge in the piece. Sears, Roebuck and Co. 144,925; renewed July 19, 1941.
Diaper-flannel in the piece. Sears, Roebuck and Co. 144,923; renewed July 19, 1941.
Fabrics in the piece. Johnson & Faulkner, Inc. 389,288; July 29; Serial No. 442,174; published May 20, 1941.
Ginghams in the piece. Sears, Roebuck and Co. 144,927; renewed July 19, 1941.
Knitted cotton padding. P. N. Braun. 143,720; renewed June 7, 1941.
Linens and chenille piece goods. A. G. Antolini. 389,221; July 29; Serial No. 440,530; published May 20, 1941.
Linings in the piece. Brand & Oppenheimer. 137,127; renewed Nov. 23, 1940.
Sateen in the piece. Sears, Roebuck and Co. 144,467; renewed July 5, 1941.
Textile, and pile fabrics in the piece. Cheney Brothers. 144,366; renewed July 5, 1941.
Ticking in the piece. Sears, Roebuck and Co. 145,220; renewed July 26, 1941.
Wool rugs. Sears, Roebuck and Co. 145,217; renewed July 26, 1941.
Woolen piece goods. Forstmann & Huffmann Co. 143,338; renewed May 31, 1941.

CLASS 43

Yarn and threads. Finlayson, Bousfield & Co., Ltd. 142,266; renewed May 10, 1941.

CLASS 44

Sanitary belts and tampons. A. Stein & Company. 389,264; July 29; Serial No. 441,292; published May 20, 1941.
Sutures. Salvus Products Inc. 389,287; July 29; Serial No. 442,076; published May 20, 1941.
Vibrators, Electrical. Beauty Appliance Corporation. 389,167; July 29; Serial No. 435,235; published May 20, 1941.

CLASS 45

Beverages and syrups, Non-alcoholic. Sprig Co. 389,275; July 29; Serial No. 441,490; published May 20, 1941.
Beverages and syrups, extracts, and flavors, Maltless. S. J. Cormany, Jr. 389,278; July 29; Serial No. 441,697; published May 20, 1941.
Beverages, Nonalcoholic. Mr. Newport, Inc. 389,311; July 29.

CLASS 46

Algin composition. Kelco Company. 389,227; July 29; Serial No. 440,723; published May 20, 1941.
Baking acid. A. T. Conkley. 389,196; July 29; Serial No. 439,805; published May 20, 1941.
Bottled jams, jellies, preserves, etc. G. B. Raffetto Inc. 389,261; July 29; Serial No. 441,256; published May 20, 1941.
Candy. Stephen F. Whitman & Son, Inc. 149,290; renewed Dec. 6, 1941.
Candy. Tru-Blu Biscuit Company. 149,264–6; renewed Dec. 6, 1941.
Candy, Stick. Garrison-Cook Candy Co. 146,099; renewed Aug. 30, 1941.
Canned fruits, berries, vegetables, and fruit jams. Ray-Maling Co. 144,629; renewed July 12, 1941.
Canned fruits, vegetables, fish, etc. Pacific Coast Grocery Co., Inc. 389,209; July 29; Serial No. 440,261; published May 20, 1941.
Canned peas. Seeman Brothers, Inc. 389,309; July 29.
Canned vegetables and vegetable juices. Saukville Canning Co. 389,234; July 29; Serial No. 440,880; published May 20, 1941.
Cheese. Farmella Food Products Corporation. 389,255; July 29; Serial No. 441,161; published May 20, 1941.
Cheese. Purity Cheese Co. 389,171; July 29; Serial No. 435,591; published May 20, 1941.
Cheese. O. H. Rohde. 389,320; July 29.
Cheese. Tolibia Cheese Corporation. 389,328; July 29.
Chocolate-bar candy. Dilling & Company. 143,585; renewed June 7, 1941.
Corn chips and canned tortillas, enchilada sauce, etc. Geo. N. Ashley, Sr. 389,330; July 29.
Creams, ice-creams, and frozen desserts. Nucoa Butter Company. 145,987; renewed Aug. 23, 1941.
Egg substitute for baking and cooking. H. V. Knight. 143,658; renewed June 7, 1941.
Eggs, Fresh. Ralston Purina Company. 389,180; July 29; Serial No. 437,914; published May 20, 1941.
Fish conserves. E. S. La Casta. 389,155; July 29; Serial No. 432,644; published May 20, 1941.
Flour. A. T. Coakley. 389,197; July 29; Serial No. 439,806; published May 20, 1941.
Flour, Wheat. Charleston Milling Company. 389,268; July 29; Serial No. 441,348; published May 20, 1941.
Gum, Chewing. J. L. Clark. 389,146; July 29; Serial No. 427,097; published Mar. 4, 1941.
Honey mixtures. A. W. Yates Inc. 389,191; July 29; Serial No. 439,509; published May 20, 1941.
Lard substitute. O. Wynne. 145,211; renewed July 26, 1941.
Malt extracts, Non-alcoholic. Malt-Diastase Company. 148,474; renewed Nov. 15, 1941.
Meats, Prepared. V. Ceravolo Provisions Inc. 389,173; July 29; Serial No. 436,247; published May 20, 1941.
Mixture for the making of doughnuts, cakes, rolls, etc., Prepared. Pillsbury Flour Mills Company. 389,177; July 29; Serial No. 437,694; published Jan. 14, 1941.
Pop corn. F. P. Emerson. 389,157; July 29; Serial No. 433,526; published May 20, 1941.
Potato chips. J. Fingerhut. 389,176; July 29; Serial No. 437,558; published May 13, 1941.
Potatoes. Michigan Potato Growers' Exchange, Inc. 389,189; July 29; Serial No. 439,204; published May 20, 1941.
Poultry, dairy, livestock, etc., feeds, etc. Tex-O-Kan Mills Company. 389,182; July 29; Serial No. 438,288; published May 20, 1941.
Tomato catsup, chili sauce. Mid-West Food Packers, Inc. 389,312; July 29.
Vegetables and grapes, Fresh. H. Frankenthal. 389,152; July 29; Serial No. 429,900; published May 20, 1941.
Vegetables, Fresh. Salinas Valley Vegetable Exchange. 389,192; July 29; Serial No. 439,632; published May 20, 1941.
Water ice. Borden Company, The. 389,160; July 29; Serial No. 434,311; published May 20, 1941.

CLASS 48

Beer. Jackson Brewing Company. 389,139; July 29; Serial No. 387,670; published June 1, 1937.

CLASS 49

Brandy. Bohemian Distributing Company. 389,282; July 29; Serial No. 441,940; published May 20, 1941.
Brandy, Spanish. Schroeder Bros., Inc. 389,235; July 29; Serial No. 440,884; published May 20, 1941.
Cordials, liqueurs, brandies and gins. Mar-Salle Chicago Company. 389,188; July 29; Serial No. 439,050; published May 20, 1941.
Whiskey. Oldetyme Distillers, Inc. 389,138; July 29; Serial No. 365,813; published July 30, 1935.
Whiskey, gin, rum, etc. Old Quaker Company. 389,286; July 29; Serial No. 442,048; published May 20, 1941.
Whiskies, gin, brandy, etc. James Walsh & Co. Inc. 389,284; July 29; Serial No. 441,998; published May 20, 1941.

CLASS 50

Colored acetate sheets designed to absorb a portion of the sun's spectrum. Gevaert Company of America. 389,186; July 29; Serial No. 438,837; published May 13, 1941.
Combination bottle cap and brush. Shú-Milk Products Corporation. 389,193–4; July 29; Serial Nos. 439,671–2; published Apr. 29, 1941.
Display board for stretching shirts. C. G. Woekly. 389,266; July 29; Serial No. 441,339; published May 6, 1941.
Fibrous material for use in the manufacture of shoe heels, inner soles, platforms, and the like. Homasote Company. 389,314; July 29.
Kit or package containing articles representing in miniature rooms and articles of furniture, etc. Paul MacAlister, Inc. 389,198; July 29; Serial No. 439,820; published May 13, 1941.
Light reflecting material in sheet form. Minnesota Mining & Manufacturing Company. 389,202; July 29; Serial No. 439,970; published May 6, 1941.
Protection and identification seals for furs, skins, apparel, etc. Security Fur Seal Co. Inc. 389,317; July 29.
Shoe polishing kit. R. M. Hollingshead Corp. 389,164; July 29; Serial No. 434,646; published May 20, 1941.
Ticking, Processed antiseptic. National Mattress Company. 389,230; July 29; Serial No. 440,829; published May 6, 1941.
Treated fabrics. C. E. Briddell Company. 389,165; July 29; Serial No. 434,926; published May 20, 1941.
Waxed pads for rugs and carpets. Buckner Process Company. 389,308; July 29.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bays, George S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Geochemical prospecting. Re. 21,865; July 29.

Curtis, Kenneth L., deceased, by Trans-Lux Corporation, assignee, New York, N. Y. Method of and apparatus for feeding tape and projecting images therefrom. Re. 21,866; July 29.

Hazard, Charles S., Andover, N. J., assignor to Neptune Meter Company, New York, N. Y. Computing apparatus. Re. 21,867; July 29.

Long, Uriah O., Alhambra, Calif. Railroad tie. Re. 21,868; July 29.

Lummus Company, The. (See Mekler, Valentine and Schutte, assignors.)

Mekler, Valentine, Jackson Heights, and A. H. Schutte, Tuckahoe, assignors to The Lummus Company, New York, N. Y. Method and apparatus for forming coke. Re. 21,869; July 29.

Neptune Meter Company. (See Hazard, Charles S., assignor.)

Schutte, August H. (See Mekler, V., and Schutte.)

Stanolind Oil and Gas Company. (See Bays, George S., assignor.)

Trans-Lux Corporation. (See Curtis, Kenneth L.)

LIST OF DESIGN PATENTEES

Abenstein, Margaret, Chicago, Ill. Dress. 128,575; July 29.

Abt, John H., New York, N. Y. Textile fabric. 128,469; July 29.

Abt, John H., New York, N. Y. Textile fabric. 128,470; July 29.

Abt, John H., New York, N. Y. Textile fabric. 128,471; July 29.

Adlake Company, The. (See Stewart, Lemuel L., assignor.)

Alexander, Mina A., New York, N. Y. Hat. 128,537; July 29.

Aluminum Company of America. (See Sharp, John E., assignor.)

Babs Creations, Incorporated. (See Foster, Charles H., assignor.)

Balton, James, assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice cream cone jacket. 128,472; July 29.

Balton, James, assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice cream cone jacket. 128,473; July 29.

Barbieri, Helena F., New York, N. Y. Dress. 128,576; July 29.

Bennett, Herbert L., Pittsfield, Mass., assignor to General Electric Company. Combined cover and cap for vaporizers. 128,540; July 29.

Berby, Ola L., assignor to Clyde Iron Works, Duluth, Minn. Hoist. 128,474; July 29.

Bergman, Gus E., Columbus, Nebr. Shoe. 128,475; July 29.

Berlin, Maurice H., assignor to Chicago Musical Instrument Co., Chicago, Ill. Slide whistle. 128,476; July 29.

Blazey, Lawrence E., Cleveland, assignor to The Byers Machine Company, Revenna, Ohio. Power shovel cab. 128,477; July 29.

Boothby, Walter M., and A. H. Bulbulian, Rochester, Minn. Breathing mask. 128,516; July 29.

Boothby, Walter M., and A. H. Bulbulian, Rochester, Minn. Breathing mask. 128,517; July 29.

Boothby, Richard P., Auburn, Maine. Shoe. 128,518; July 29.

Brach, Walter, & Co. (See Weisz, Matthias, assignor.)

Brook, Arthur, New York, N. Y. Knitted fabric. 128,524; July 29.

Brucato, Marie, New York, N. Y. Dress ensemble. 128,542; July 29.

Brucato, Marie, New York, N. Y. Dress. 128,546; July 29.

Brucato, Marie, New York, N. Y. Dress. 128,547; July 29.

Brucato, Marie, New York, N. Y. Dress. 128,577; July 29.

Bulbulian, Arthur H. (See Boothby, W. M., and Bulbulian.)

Byers Machine Company, The. (See Blazey, Lawrence E., assignor.)

Carter, Thomas A., Jr., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Lighting fixture. 128,478; July 29.

Chasanoff, Jeannette, Brooklyn, N. Y. Combined slip and arm shields. 128,522; July 29.

Chicago Musical Instrument Co. (See Berlin, Maurice H., assignor.)

Clyde Iron Works. (See Berby, Ola L., assignor.)

Cogrisch Products, Inc. (See Scharsch, Walter R., assignor.)

Cusick, F. H. Peter, New York, N. Y. Brooch or similar article. 128,479; July 29.

Cutler, Elizabeth, New York, N. Y. Dress ensemble. 128,530; July 29.

Dean, Peggy, Chicago, Ill. Glove. 128,541; July 29.

Del Re, Angelo, Brooklyn, N. Y. Coat. 128,531; July 29.

Dixon, Joseph, Crucible Company. (See Van Dorn, Horace B., assignor.)

Doctor, Isidor, Chicago, Ill. Dress. 128,578; July 29.

Du Pont, E. I., de Nemours & Company. (See Kahn, Julius, assignor.)

Elting, August O., Chicago, Ill. Lamp head. 128,480; July 29.

Elting, August O., Chicago, Ill. Lamp head. 128,481; July 29.

Elting, August O., Chicago, Ill. Lamp head. 128,482; July 29.

Field and Flint Co. (See Wilcox, Clark L., assignor.)

Florman, Irving, New York, N. Y. Cigarette holder. 128,532; July 29.

Foster, Charles H., assignor to Babs Creations, Incorporated, New York, N. Y. Support for cologne bottles. 128,483; July 29.

Franks, Joseph K., Morristown, N. J. Sign or similar article. 128,484; July 29.

Freeman, Edna, New York, N. Y. Dress. 128,579; July 29.

Fuld, Horace A., New York, N. Y. Flower vase. 128,485; July 29.

Gas Products Corporation. (See Parker, Claude E., assignor.)

General Electric Company. (See Bennett, Herbert L., assignor.)

Goldsmith, Fred, Jr. (See Lerner, Herbert Z., and Goldsmith.)

Goodstein, Nancy, New York, N. Y. Sachet. 128,486; July 29.

Goodyear Footwear Corporation. (See Hard, John E., assignor.)

Grand Rapids Store Equipment Company. (See Carter, Thomas A., Jr., assignor.)

Green, Daniel A., North Braddock Township, Allegheny County, and C. B. Jackson, Forest Hills, Pa. Facepiece for breathing apparatus. 128,487; July 29.

Gunder, Robert J., Manor Township, Lancaster County, assignor to Hamilton Watch Company, Lancaster, Pa. Display table. 128,488; July 29.

Hamilton Watch Company. (See Gunder, Robert J., assignor.)

Hard, John E., Cranston, assignor to Goodyear Footwear Corporation, Providence, R. I. Tennis shoe. 128,519; July 29.

Harlan, Roger K., Dallas, Tex. Set of game pieces. 128,489; July 29.

Hayes, Stanley A., Berkeley, Calif. Spray gun. 128,490; July 29.

Helms, Lillian, New York, N. Y. Dress. 128,548; July 29.

Helms, Lillian, New York, N. Y. Dress. 128,549; July 29.

Helms, Lillian, New York, N. Y. Dress. 128,580; July 29.

Helms, Lillian, New York, N. Y. Dress. 128,581; July 29.

Helms, Lillian, New York, N. Y. Dress. 128,582; July 29.

Helms, Lillian, New York, N. Y. Dress. 128,583; July 29.

Hirsh, Harold, Winnetka, Ill., assignor to Hirshmaur Coats Inc. Lady's coat. 128,533; July 29.

Hirshmaur Coats Inc. (See Hirsh, Harold, assignor.)

Hoch, Fred R., Bristol, assignor to T. J. Holmes Co. Inc., Chartley, Mass. Bottle. 128,491; July 29.

Holmes T. J. Co. Inc. (See Hoch, Fred R., assignor.)
Jackson, Carey B. (See Green, D. A., and Jackson.)
Jolley, Paul, Ponderay, Idaho. Game board. 128,492; July 29.
Kahn, Julius, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Combined comb and brush or similar article. 128,523; July 29.
Kass, Ruth R., New York, N. Y. Dress. 128,550; July 29.
Kass, Ruth R., New York, N. Y. Dress. 128,551; July 29.
Kass, Ruth R., New York, N. Y. Dress. 128,584; July 29.
Langbert, H. Thomas, New York, N. Y. Dress. 128,552; July 29.
Larrabee, Marshal H., Skaneateles, N. Y. Toy train. 128,493; July 29.
Lerner, Herbert Z., and F. Goldsmith, Jr., Memphis, Tenn. Bracelet or similar article. 128,494; July 29.
Leser, Tina, New York, N. Y. Handbag. 128,585; July 29.
Levine, Michael M., New York, N. Y. Dress. 128,586; July 29.
Levine, Michael M., New York, N. Y. Dress. 128,587; July 29.
Levine, Michael M., New York, N. Y. Dress. 128,588; July 29.
Loeb, Leo, New York, N. Y. Purse. 128,495; July 29.
Malchus, Johannes A. C., Amsterdam, Netherlands. Vacuum cleaner. 128,496; July 29.
Manna, Ralph, New York, N. Y. Coat. 128,543; July 29.
Manna, Ralph, New York, N. Y. Coat. 128,544; July 29.
Manna, Ralph, New York, N. Y. Coat. 128,545; July 29.
Marks, Bertha, Lawrence, N. Y. Hat. 128,538; July 29.
Marsh, Allan O. (See Panfill, Harry, assignor.)
Maryland Baking Company. (See Balton, James, assignor.)
Master Products Manufacturing Company. (See Panfill, Harry.)
May, Helen, New York, N. Y. Dress. 128,553; July 29.
May, Helen, New York, N. Y. Dress. 128,554; July 29.
May, Helen, New York, N. Y. Dress. 128,589; July 29.
McDonald Products Corporation. (See Vevirit, James V., assignor.)
McIntosh, William B. (See Porthouse, C. R., and McIntosh.)
Meyer, Siegfried, New York, N. Y. Portable wardrobe case. 128,525; July 29.
Michelson, Margaret, New York, N. Y. Dress ensemble. 128,555; July 29.
Michelson, Margaret, New York, N. Y. Dress ensemble. 128,556; July 29.
Michelson, Margaret, New York, N. Y. Dress. 128,590; July 29.
Oberheu, Fred A. (See Oppermann, Charles T., assignor.)
Oppermann, Charles T., Detroit, assignor of one-half to F. A. Oberheu, Lake Orion, Mich. Combined abrading and polishing machine. 128,497; July 29.
Panfill, Harry, assignor to A. O. Marsh, doing business as Master Products Manufacturing Company, Los Angeles, Calif. Device for expanding pistons. 128,498; July 29.
Parker, Clarence W., Lynn, Mass. Incense burner or analogous article. 128,499; July 29.
Parker, Claude E., assignor to Gas Products Corporation, Chicago, Ill. Utensil support protector for cook stove top burners. 128,500; July 29.
Pichel, Irving, New York, N. Y. Handbag. 128,557; July 29.
Pichel, Irving, New York, N. Y. Handbag. 128,558; July 29.
Pichel, Irving, New York, N. Y. Handbag. 128,559; July 29.
Porthouse, Cyril R., Kent, and W. B. McIntosh, Akron, Ohio. Nipple. 128,501; July 29.
Price, Blanche, Chicago, Ill. Dress. 128,591; July 29.
Richards, Julia, Brooklyn, N. Y. Dress. 128,560; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,561; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,562; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,563; July 29.
Rosenstein, Nettie, New York, N. Y. Suit. 128,564; July 29.
Rosenstein, Nettie, New York, N. Y. Suit. 128,565; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,566; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,592; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,593; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,594; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,595; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,596; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,597; July 29.
Rosenstein, Nettie, New York, N. Y. Dress. 128,598; July 29.
Sadowsky, David R., New York, N. Y. Dress. 128,567; July 29.
Scharsch, Walter R., assignor to Cogrisch Products, Inc., Stockton, Calif. Cabinet for a continuous cooker. 128,502; July 29.
Schulman, Gloria, New York, N. Y. Dress. 128,568; July 29.
Schulman, Gloria, New York, N. Y. Dress. 128,569; July 29.
Scott, Orestes A., New York, N. Y. Game board. 128,504; July 29.
Schwalbe, Jacques, New York, N. Y. Vanity case. 128,503; July 29.
Seigenfeld, Elinor S., New Rochelle, N. Y. Dress. 128,570; July 29.
Sharp, John E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Container closure. 128,534; July 29.
Sicland, Fred, Glen Allen, Mo. Belt or similar article of wearing apparel. 128,571; July 29.
Simpson, Joseph L., Los Angeles, Calif. Illuminating camera stand. 128,505; July 29.
Sloane, Max. (See Sloane, Nathan and M.)
Sloane, Nathan and M., Brooklyn, N. Y. Handbag. 128,506; July 29.
Staehle, Bruno, New York, N. Y. Dress. 128,572; July 29.
Staehle, Bruno, New York, N. Y. Dress. 128,573; July 29.
Staehle, Bruno, New York, N. Y. Dress. 128,574; July 29.
Stewart, Lemuel L., Elkhart, Ind., assignor to The Adlake Company. Baggage rack or similar article. 128,507; July 29.
Stix, Frances T., New York, N. Y. Suit. 128,599; July 29.
Trumbull, Frank S., Providence, R. I. Spoon or similar article. 128,508; July 29.
Van Dorn, Horace B., Maplewood, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Combined eraser and pencil tip. 128,535; July 29.
Vevirit, James V., Lewiston, assignor to McDonald Products Corporation, Buffalo, N. Y. Pipe rack. 128,509; July 29.
Vevirit, James V., Lewiston, assignor to McDonald Products Corporation, Buffalo, N. Y. Pipe rack. 128,510; July 29.
Weil, Joseph A., New Haven, Conn. Girdle or similar garment. 128,536; July 29.
Weisz, Matthias, assignor to Walter Brach & Co., Inc., New York, N. Y. Coin holder. 128,511; July 29.
Wilcox, Clark L., assignor to Field and Flint Co., Brockton, Mass. Slipper. 128,512; July 29.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 128,520; July 29.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 128,526; July 29.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 128,527; July 29.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 128,528; July 29.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 128,529; July 29.
Witt, Edward D., New Canaan, Conn. Textile fabric. 128,521; July 29.
Witt, Edward D., New Canaan, Conn. Textile fabric. 128,539; July 29.
Wittie, William W., Chicago, Ill. Gasoline can. 128,513; July 29.
Young, Fred M., Racine, Wis. Heat exchanger core unit. 128,514; July 29.
Zimmer, Myron J., Chicago, Ill. Can opener. 128,515; July 29.

LIST OF PATENTEES
TO WHOM
PATENTS WERE ISSUED ON THE 29TH DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abel, George, Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electric transmitter unit. 2,250,981; July 29.
Abell, Frank, Inglewood, Calif. Speed recording method and device. 2,250,442; July 29.
Adamoli, Carlo, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del. Beryllium alloy. 2,250,850; July 29.
Adamoli, Carlo, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del. Extraction of bases of rare elements contained in ores and rocks. 2,250,851; July 29.
Adamson, Nicholas F., and K. L. Bastrup, assignors to Twin Disc Clutch Company, Racine, Wis. Clutch. 2,250,883; July 29.
Adlake Company, The. (See Hagerty, A. T., and Stewart, assignors.)
Adler, Herman G., Detroit, assignor to Novi Equipment Company, Novi, Mich. Governor. 2,250,982; July 29.
Adler, Herman G., Detroit, assignor to Novi Equipment Company, Novi, Mich. Governor. 2,240,983; July 29.
Adler, Herman G., Detroit, assignor to Novi Equipment Company, Novi, Mich. Governor. 2,250,984; July 29.
Ahlstrom, William M., Mentor, and R. J. Tischler and F. H. Parsons, Fairport Harbor, Ohio. Measuring and calculating apparatus. 2,250,739; July 29.
Airmatic Systems, Inc. (See Busch, Herman, assignor.)
Aktiebolaget Ljubgströms Angturbin. (See Lysholm, A., and Eriksson, assignors.)
Albert, Karmen D., Woodside, N. Y. Cigarette and cigar receiver. 2,250,451; July 29.
Albiswerk Zurich Aktiengesellschaft. (See Kieser, Max, assignor.)
Albricht, Wilhelm, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Oscillation producing means. 2,251,025; July 29.
Alco-Gravure Division of Publication Corporation. (See May, John C., assignor.)
Alexander, Carl Z., Springfield, N. J. Steam boiler. 2,250,900; July 29.
Algarsson, Grettir, assignor to Algarsson Engineering Company Limited, Montreal, Quebec, Canada. Mechanism for controlling the pitch of airscrew blades. 2,250,694; July 29.
Algarsson, Grettir, assignor to Algarsson Engineering Company Limited, Montreal, Quebec, Canada. Synchronizing mechanism for aircraft engines. 2,250,695; July 29.
Algarsson Engineering Company Limited. (See Algarsson, Grettir, assignor.)
Allen-Bradley Company. (See Kelly, Daniel S. W., assignor.)
Allen, Russell G., Alton, Ill., assignor to Owens-Illinois Glass Company. Glassware forming machine. 2,251,010; July 29.
Allenby, William F. (See Propernick, A. A., and Allenby.)
Allin, Willard V., Kansas City, Mo. Minnow bucket. 2,250,942; July 29.
Allis-Chalmers Manufacturing Company. (See McKahin, John D., assignor.)
Allis-Chalmers Manufacturing Company. (See Mortensen, Sören H., assignor.)
Allis-Chalmers Manufacturing Company. (See Sillers, T. G. A., and Ernestus, assignors.)
Alm, Thure W., Stewart Manor, Long Island, N. Y., assignor to International Cigar Machinery Company. Cigar piercing machine. 2,250,452; July 29.
Altenburger, Clarence L. (See Selmi, L. G., and Altenburger.)
American Blind Stitch Machine Co. (See Dearborn, Philip C., assignor.)
American Bosch Corporation. (See Martin, J. F., and Crocker, assignors.)
American Bosch Corporation. (See Schwarzmann, Wolfgang E., assignor.)
American Car and Foundry Company. (See Borup, Oscar V., assignor.)
American Car and Foundry Company. (See Brown, Charles D., assignor.)
American Car and Foundry Company. (See Christiansen, J., and Thompson, assignors.)
American Car and Foundry Company. (See Dietrichson, William F., assignor.)
American Car and Foundry Company. (See Kassler, Adolph, assignor.)
American Car and Foundry Company. (See Kepner, Robert C., assignor.)
American Car and Foundry Company. (See Kepner, R. C., and Shields, assignors.)
American Car and Foundry Company. (See Kump, Henry, assignor.)
American Car and Foundry Company. (See Lunger, W. E., and Pancake, assignors.)
American Car and Foundry Company. (See McBride, John J., assignor.)
American Car and Foundry Company. (See McBride, J. J., and Willoughby, assignors.)
American Car and Foundry Company. (See Pancake, Herman H., assignor.)
American Car and Foundry Company. (See Schroeder, Ernest R., assignor.)
American Car and Foundry Company. (See Shils, L. H., and Thompson, assignors.)
American Car and Foundry Company. (See Willoughby, Victor, assignor.)
American Chain & Cable Company, Inc. (See Bahr, Gustave F., assignor.)
American Cyanamid Company. (See Ashley, Kenneth D., assignor.)
American Cyanamid Company. (See Swain, Robert C., assignor.)
American Engineering Company. (See Lamond, Robert C., assignor.)
American Engineering Company. (See Landenberger, Henry W., assignor.)
American Fork & Hoe Company, The. (See Skeel, John W., assignor.)
American Lurgi Corporation. (See Wittenberg, Herbert, assignor.)
American Machine & Foundry Company. (See Rundell, Rupert E., assignor.)
American Metal Company, The. (See Thompson, John C., assignor.)
American Optical Company. (See Boeder, Paul A. K., assignor.)
American Optical Company. (See Moulton, Harold R., assignor.)
American Steel and Wire Company of New Jersey, The. (See Cooper, Hugh S., assignor.)
American Steel Foundries. (See Kinne, E. P., and Kayler, assignors.)
American Type Founders, Inc. (See Seybold, F. W., and Stobb, assignors.)
American Voith Contact Company. (See Canaan, Faic, assignor.)
Anderson, Clarence T. (See Dean, R. S., and Anderson.)
Anderson, Gustav I., assignor to Ke Hawke Manufacturing Company, Minneapolis, Minn. Tire casing spreader. 2,250,740; July 29.
Anderson, Hilding assignor to Tuttle & Bailey, Incorporated, New Britain, Conn. Fusible nut. 2,250,787; July 29.
Anderson, John N. (See Bertelsen, V., Anderson, and Spriggs.)
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Carriage return mechanism for accounting machines. 2,251,096; July 29.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting machine. 2,251,097; July 29.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Motor control for business machines. 2,251,098; July 29.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Symbol printing mechanism for accounting machines. 2,251,099; July 29.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Motor control for computing machines. 2,251,100; July 29.
Andres, Lloyd J., Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich. Phonograph selecting system. 2,251,026; July 29.
Annin, Douglas H., San Francisco, Calif., assignor to The Brown Instrument Company, Philadelphia, Pa. Digester control. 2,251,246; July 29.
Antoski, Arnold J., assignor of one-half to C. G. Claxon, Fort Knox, Ky. Potato peeler and eyer. 2,251,183; July 29.
Appel, Henry J., Philadelphia, Pa., assignor by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Successive switching arrangement. 2,250,453; July 29.
Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
Argentin, Lucien F., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding. 2,250,617; July 29.

Armstrong Cork Company. (See Bassett, Arthur W., assignor.)

Armstrong Cork Company. (See Faber, Elwood C., assignor.)

Armstrong, Francis W., assignor to The Garlock Packing Company, Palmyra, N. Y. Packing. 2,251,211; July 29.

Arnold, Robert B., Stonewall Courts, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Fumigating. 2,250,943; July 29.

Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Machine for boring engine bearings. 2,250,788; July 29.

Ashley, Kenneth D., Darien, Conn., assignor to American Cyanamid Company, New York, N. Y. Lead nitroaminoguanidine and making it. 2,251,101; July 29.

Ashlock, George W., Jr., Oakland, Calif. Olive straightener. 2,250,518; July 29.

Askania-Werke, A. G. (See Neuhaus, Gustav, assignor.)

Associated Patentees, Inc. (See Borton, Alwyn, E., assignor.)

Atterberg, Fritz, New York, N. Y. Method of and apparatus for packaging matches. 2,251,102; July 29.

Atwood Machine Company, The. (See Briggs, Peleg B., assignor.)

Atwood Machine Company. (See Winslow, Albert E., assignor.)

Atwood, Rawson, New York, assignor to Decorated Metal Manufacturing Company, Inc., Brooklyn, N. Y. Spool. 2,250,563; July 29.

Atwood, Rawson, New York, assignor to Decorated Metal Manufacturing Company, Inc., Brooklyn, N. Y. Spool. 2,250,564; July 29.

Austin, Dwight E., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Air conditioning system. 2,250,618; July 29.

Austin, Dwight E., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Combined package rack and air duct. 2,250,619; July 29.

Automatic Instrument Company. (See Andres, Lloyd J., assignor.)

Automatic Instrument Company. (See Magruder, Gilbert A., assignor.)

Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)

Avis, Samuel W., Providence, R. I., assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing mechanism. 2,250,696; July 29.

Ayers, Joseph W., Easton, Pa., assignor to C. K. Williams & Co. Chromic oxide pigments. 2,250,789; July 29.

Babcock, Dale F., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of acetylene from admixture with ethylene. 2,250,925; July 29.

Babcock, Henry H., Oak Park, assignor to Conlon Corporation, Cicero, Ill. Table top ironing machine. 2,250,454; July 29.

Babcock, Henry H., Oak Park, assignor to Conlon Corporation, Cicero, Ill. Table top ironer. 2,250,455; July 29.

Babcock & Wilcox Company, The. (See Firshing, William M., assignor.)

Backus, Thomas, assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Remote control for transmissions. 2,250,820; July 29.

Bahnsen, Monroe J., Lakewood, and E. E. Bryant, Bedford, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Porcelain enamel. 2,250,456; July 29.

Bahnsen, Monroe J., Lakewood, and E. E. Bryant, Bedford, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Porcelain enamel. 2,250,457; July 29.

Bahr, Gustave F., Bridgeport, Conn., assignor, by mesne assignments, to American Chain & Cable Company, Inc., New York, N. Y. Bumper guard. 2,250,565; July 29.

Bähring, Herbert, assignor to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany. Centering arrangement for cathode ray beams. 2,250,884; July 29.

Baker, Benjamin P., Turtle Creek, and W. M. Leeds, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,250,566; July 29.

Baker, Harold S., Maybeury, W. Va. Safety glove. 2,251,027; July 29.

Bally Manufacturing Co. (See Williams, Bradlee W. and H. S., assignors.)

Bank, Albert M., assignor to S. Bank, Jersey City, N. J. Upholstery construction. 2,251,103; July 29.

Bank, Albert M., assignor to S. Bank, Jersey City, N. J. Upholstery construction. 2,251,104; July 29.

Bank, Sylvia. (See Bank, Albert M., assignor.)

Barbour Welting Company. (See Vizard, William C., assignor.)

Barnes, Walter C., Lake Bluff, Ill. Flaw detector mounting. 2,250,458; July 29.

Barnes, Walter C., Lake Bluff, and H. W. Keevil, Highland Park, Ill. Flaw detecting apparatus. 2,250,459; July 29.

Barnes, Walter C., Lake Bluff, and H. W. Keevil, Highland Park, Ill. Detector carriage. 2,250,460; July 29.

Barney, Harold L., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of transmission in two-way signal wave transmission systems. 2,251,028; July 29.

Barton, Howard R., Englewood, N. J. Apparatus for regulating fuel supplied to burners. 2,251,029; July 29.

Baruch, Alphons, New York, N. Y. Holder for rotary balls or bobbins. 2,250,741; July 29.

Bassett, Arthur W., assignor to Armstrong Cork Company, Lancaster, Pa. Method and apparatus for the manufacture of cork articles. 2,250,697; July 29.

Bastrup, Kay L. (See Adamson, N. F., and Bastrup.)

Batchelder, Laurence, Cambridge, assignor to Submarine Signal Company, Boston, Mass. Electrical network. 2,250,461; July 29.

Bates, Harold O., Cranford, N. J. Embossing machine. 2,250,567; July 29.

Battelle Memorial Institute. (See Lorig, C. H., and Krause, assignors.)

Batten, Percy H., assignor to Twin Disc Clutch Company, Racine, Wis. Hydraulic coupling. 2,250,885; July 29.

Baumker, William H., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Chair structure. 2,250,790; July 29.

Bauriedel, Gotthard, Warmbrunn, near Hirschberg, i. R., and E. Sellner, Wuppertal-Barmen, Germany. Novelty yarn. 2,251,247; July 29.

Baynton, Harold H., Freehold, N. J., assignor to A. & M. Karagheusian, New York, N. Y. Making pile fabric. 2,250,901; July 29.

Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Method of and machine for use in covering heels. 2,250,443; July 29.

Bear, Paul S., Dowagiac, Mich., assignor, by mesne assignments, to Bucklen-Bear Laboratories, Inc., Elkhart, Ind. Switch. 2,251,011; July 29.

Beckwith Manufacturing Company. (See Lovell, Stanley P., assignor.)

Bedol, Harry A., Cleveland, Ohio. Weather strip. 2,250,821; July 29.

Beers, George L., Collingswood, N. J., assignor to Radio Corporation of America. Automatic tuning system. 2,250,519; July 29.

Bell Telephone Laboratories, Incorporated. (See Barney, Harold L., assignor)

Bell Telephone Laboratories, Incorporated. (See Davisson, Clinton J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Fairweather, B. A., and Terry, assignors.)

Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)

Bell Telephone Laboratories, Incorporated. (See Gray, F., and Johnson, assignors.)

Bell Telephone Laboratories, Incorporated. (See Irwin, James R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ohl, Russell S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Shann, Oscar A., assignor.)

Bendix Aviation Corporation. (See Kliesrath, V. W., and Sanford, assignors.)

Bendix Aviation Corporation. (See Whitney, Maurice P., assignor.)

Bennett, Claude C., assignor to A. E. Feragen, Inc., Seattle, Wash. Chassis analyzer. 2,250,742; July 29.

Benson, Melvin B., Scotch Plains, assignor to Lidgerwood Manufacturing Company, Elizabeth, N. J. Towing machine. 2,250,985; July 29.

Berline, Sylvain, Paris, France, assignor to Compagnie Generale de Telegraphic sans Fil. Magnetron. 2,250,698; July 29.

Berry, Russell G., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Accelerating device. 2,251,105; July 29.

Bertelsen, Valdemar, Bogota, J. N. Anderson, Hoboken, N. J., and C. T. Spriggs, Valley Stream, assignors to Otis Elevator Company, New York, N. Y. Protective device for blast furnace bell hoists. 2,250,852; July 29.

Besocke, Richard, Arcadia, Calif., assignor to H. H. Helbush. Clasp. 2,250,743; July 29.

Bethlehem Steel Company. (See Kew, Charles E., assignor.)

Betzelberger, Logan B., San Jose, Ill. Hay raking loader. 2,250,902; July 29.

Bischoff, Ludwig, Rockville Centre, assignor to Oneida Paper Products, Inc., New York, N. Y. Machine for making satchel-bottom bags. 2,250,699; July 29.

Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electric valve control system. 2,251,237; July 29.

Black, Lloyd V., and G. Z. Minton, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company. Apparatus for casehardening glass sheets. 2,251,106; July 29.

Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)

Blech, Henry. (See Fleischman, Samuel, assignor.)

Blevins, Edgar C., Princeton, W. Va. Portable power-driven metal roller. 2,251,030; July 29.

Bliss, E. W., Company. (See Williamson, Larkin R., assignor.)

Blodgett, Albert G., assignor to Morgan Construction Company, Worcester, Mass. Wire-drawing machine. 2,250,886; July 29.

Blu, Marshall A., assignor to Sears, Roebuck and Co., Chicago, Ill. Velocipede. 2,250,744; July 29.

Bludworth, Joseph E., Cumberland, Md., assignor to Celanese Corporation of America. Manufacture of unsaturated esters. 2,250,520; July 29.

Boecler, Albert, Berlin, and K. Bratring, Dahlem, Berlin, Germany, assignors, by mesne assignments, to Neocell Products Corporation. Cover or closure means for liftable and lowerable immersion baths. 2,251,107; July 29.

Boeder, Paul A. K., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens and making same. 2,250,521; July 29.

Boeing Airplane Company. (See Haberlin, John F., assignor.)

Bohannon, George S., Fort Worth, Tex. Film holder. 2,251,184; July 29.

Bone, Evan P., Cincinnati, Ohio, assignor to General Motors Corporation, Detroit, Mich. Reflector signal. 2,250,620; July 29.

Bonilla, Saturino T., New York, N. Y. Electrical player attachment for pianos and similar keyboard instruments. 2,250,522; July 29.

Bordeaux, Claude G., Hoosick Falls, N. Y. Reflector element and mounting therefor. 2,250,621; July 29.

Borden, Moro M., Philadelphia, Pa., and A. W. Sweeten, Pitman, N. J., assignors to Simplex Valve & Meter Company, Philadelphia, Pa. Air-operated meter. 2,250,700; July 29.

Borton, Alwyn E., South Orange, assignor to Associated Patentees, Inc., Ampere, N. J. Strip bending and forming machine. 2,251,218; July 29.

Borup, Oscar V., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Adjustable journal box mounting. 2,250,568; July 29.

Bowle, Robert M., St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Cathode-ray tube and manufacture thereof. 2,250,622; July 29.

Boyd, Cecil A. (See Kennedy, E. M., and Boyd.)

Boynton, Alexander, San Antonio, Tex. Measuring device for steel lines. 2,250,462; July 29.

Boynton, Alexander, San Antonio, Tex. Cable pull overshot. 2,250,463; July 29.

Boynton, Alexander, San Antonio, Tex. Differential stage lift flow device. 2,250,464; July 29.

Boynton, Alexander, San Antonio, Tex. Differential stage lift flow device, velocity control. 2,250,465; July 29.

Bozeman, Franklin E. Jr., Charlotte, N. C., assignor to Whitin Machine Works, Whitinsville, Mass. Drawing roll coupling. 2,251,031; July 29.

Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,250,944; July 29.

Brace, George A., Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,250,945; July 29.

Bradshaw, Robert, and J. M. Lougee, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,251,032; July 29.

Brandon, Alfred E., New York, N. Y. Air conditioned and sanitary smoking pipe. 2,250,569; July 29.

Bratring, Kurt. (See Boecler, A., and Bratring.)

Bratring, Kurt, Dahlem, Berlin, Germany, assignor to Neocell Products Corporation. Producing seamless hollow bodies. 2,251,108; July 29.

Bratring, Kurt, Dahlem, Berlin, Germany, assignor to Neocell Products Corporation. Producing highly lustrous hollow bodies from acetyl cellulose and like plastic substances. 2,251,109; July 29.

Breen, Walter F., assignor to Hamilton Watch Company, Lancaster, Pa. Dehumidifier. 2,250,623; July 29.

Briggs Manufacturing Company. (See Kennedy, E. M., and Boyd, assignors.)

Briggs, Peleg B., Mystic, assignor to The Atwood Machine Company, Stonington, Conn. Yarn take-off and tension means. 2,250,701; July 29.

Brigham, James W., Webster Groves, assignor to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Fountain applicator. 2,250,444; July 29.

Bright, Elvin M., Dayton, Ohio. Abrading machine. 2,251,110; July 29.

Brown, Charles D., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Floor rack hinge means. 2,250,570; July 29.

Brown, Ellis V. (See Pasternack, R., and Brown.)

Brown Instrument Company, The. (See Annin, Douglas H., assignor.)

Brown, John W., Cleveland Heights, Ohio. Bib appliance. 2,250,887; July 29.

Brown, Kenneth C., Evanston, and F. J. Weyher, Chicago, Ill., said Weyher assignor to said Brown. Heat and pressure control system. 2,250,946; July 29.

Brown, Lee R., Whippany, assignor to Monroe Calculating Machine Company, Orange, N. J. Lapping machine. 2,251,033; July 29.

Brown, Lorenzo C., Oklahoma City, Okla. Food cooking apparatus. 2,251,111; July 29.

Browning, James E., San Antonio, Tex. Butane system. 2,250,903; July 29.

Brummer, Olin, Oak Park, assignor to Crane Packing Company, Chicago, Ill. Fluid seal. 2,251,219; July 29.

Brunswick-Balke-Collender Company, The. (See Guyton, R. H., and Herman, assignors.)

Bruson, Herman A., and J. W. Kroeger, assignors to Röhm & Haas Company, Philadelphia, Pa. Producing acetylenic alcohols. 2,250,445; July 29.

Bryant, Eugene E. (See Bahnsen, M. J., and Bryant.)

Bryant, George F., assignor of one-half to L. I. Yeomans, Chicago, Ill. Machine tool. 2,251,034; July 29.

Buckius, Albert O., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box. 2,250,853; July 29.

Buckius, Albert O., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box. 2,250,854; July 29.

Bucklen-Bear Laboratories, Inc. (See Bear, Paul S., assignor.)

Budd, Edward G., Manufacturing Company. (See Argentin, Lucien F., assignor.)

Budd, Edward G., Manufacturing Company. (See Meadowcroft, J. W., and Scull, assignors.)

Budd, Edward G., Manufacturing Company. (See Ragsdale, Earl J. W., assignor.)

Budd Wheel Company. (See Eksergian, Carolus L., assignor.)

Bugatti, Ettore, Molsheim, France. Pane securing means. 2,250,624; July 29.

Bull, Victor G., assignor to H. Scott-Paine, Hythe, Southampton, England. Mounting for electric fittings. 2,250,855; July 29.

Buono, Mario, Brooklyn, assignor to U. S. Blind Stitch Machine Corporation, New York, N. Y. Blind stitch sewing machine. 2,250,745; July 29.

Burr, John H., assignor to Waldorf Paper Products Company, St. Paul, Minn. Box. 2,250,746; July 29.

Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)

Burton, Henry, Gardena, Calif. Selector. 2,250,856; July 29.

Busch, Herman, Long Island City, N. Y., assignor to Airmatic Systems, Inc. Pneumatic carrier. 2,251,238; July 29.

Buschneck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. High frequency transmitter. 2,250,571; July 29.

Bush, Burton T., Inc. (See Gump, William S., assignor.)

Butler, Arthur G., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Universal attachment fitting. 2,251,112; July 29.

California Portland Cement Company. (See Workman, T. E., and Sayre, assignors.)

Campbell, Arthur W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Rubber cement. 2,251,220; July 29.

Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)

Canaan, Faic, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc. Turbotransmission for braking of vehicles. 2,250,702; July 29.

Canal National Bank of Portland, The. (See Randall, Walter H., assignor.)

Cannon, George C., New Rochelle, N. Y. Drag reducing device. 2,250,822; July 29.

Cappel, Herman C. (See Nyberg, S., and Cappel.)

Carbide and Carbon Chemicals Corporation. (See Harshberger, Normal P., assignor.)

Carney, Troy W., Fort Smith, Ark. Removal of phosphorus from manganese ores. 2,251,248; July 29.

Carpenter, Albert G. Jr., Yonkers, N. Y. Pump. 2,250,947; July 29.

Carter, Albert S., and F. W. Johnson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Distillation apparatus. 2,251,185; July 29.

Carter Carburetor Corporation. (See Berry, Russell G., assignor.)

Catanach, Arthur E. (See Kolthoff, E., and Catanach.)

Caterpillar Tractor Co. (See Gregory, Marion J., assignor.)

Cattanach, Frederick W., Cranford, N. J. Device for practice in receiving international semaphore code signals. 2,250,466; July 29.

Celanese Corporation of America. (See Bludworth, Joseph E., assignor.)

Celotex Corporation, The. (See Swenson, George E., assignor.)

Chandler, Alfred E., assignor to Simplex Time Recorder Co., Gardner, Mass. Box covering and manufacture thereof. 2,250,888; July 29.

Chapman, Robert E., assignor to R. E. Chapman Company, Oakdale, Mass. Device for pulling pipes or well casings. 2,251,113; July 29.

Chapman, R. E., Company. (See Chapman, Robert E., assignor.)

Chase Brass & Copper Co. Incorporated. (See Mitchell, August, assignor.)

Chase, Rutherford B., Chicago, Ill. Mitering attachment for table saws. 2,251,035; July 29.

Chenicek, Joseph A. (See Rosenwald, R. H., and Chenicek.)

Chicago By-Products Corporation. (See Wittmann, Robert A., assignor.)

Chicago Development Company. (See Dean, R. S., and Anderson, assignors.)

Christiansen, John, and J. B. D. Thompson, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. Car construction. 2,250,523; July 29.
Cincinnati Milling Machine Co. (See Nenninger, L. F., and Roehm, assignors.)
Cisin, Harry G., Brooklyn, N. Y. Electronic circuits. 2,251,114; July 29.
Cissell, William M., near Louisville, Ky. Adjustable hosiery form. 2,250,747; July 29.
Clark, James R., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y. Visible card index. 2,250,625; July 29.
Clark, Louis F., Montebello, assignor to Filtrol Corporation, Los Angeles, Calif. Recovering aluminum compounds. 2,250,926; July 29.
Clark, Noble C., Pleasant Ridge, assignor to The Murray Corporation of America, Detroit, Mich. Seat construction. 2,251,036; July 29.
Claxon, Charles G. (See Antoski, Arnold J., assignor.)
Cleven, Oluf L., Washington, D. C. Card stacking mechanism. 2,251,221; July 29.
Cleven, Oluf L., Washington, D. C. Tens-carry mechanism. 2,251,249; July 29.
Cloutier, Arthur N., Lonsdale, assignor to Hemphill Company, Central Falls, R. I. Fabric take-up. 2,251,222; July 29.
Cockerille, Frank O., Waynesboro, Va. Product of mild oxidation of long-chain hydrocarbons and producing it. 2,250,468; July 29.
Coffman, Berttram, Downey, Calif. Tooth for earth digging devices. 2,250,904; July 29.
Cole, Alice M., New York, N. Y., assignor of one-half to J. A. Dienner, Evanston, Ill. Infant's garment. 2,250,750; July 29.
Cole, Samuel F., Bethesda, Md. Syringe. 2,250,467; July 29.
Collins & Aikman Corporation. (See Hewton, William R., assignor.)
"Colorrip" Reissverschluss-Erzeugungs-Gesellschaft m. b. H. (See Stein, Michael, assignor.)
Combustion Engineering Company. (See Gordon, Charles W., assignor.)
Combustion Engineering Company. (See Roettger, Ervin F., assignor.)
Combustion Engineering Company. (See Wood, Wilfred R., assignor.)
Commercial Solvents Corporation. (See Campbell, Arthur W., assignor.)
Commercial Solvents Corporation. (See Lippincott, Samuel B., assignor.)
Commercial Solvents Corporation. (See Tindall, John B., assignor.)
Compagnie Generale de Telegraphic sans Fil. (See Berline, Sylvain, assignor.)
Conlon Corporation. (See Babcock, Henry H., assignor.)
Conners, James, Hemet, Calif. Trap. 2,250,823; July 29.
Consolidated Mining & Reduction Company. (See Merkel, William H., assignor.)
Cooper, Hugh S., New York, N. Y., assignor to The American Steel and Wire Company of New Jersey. Spark plug electrode. 2,250,905; July 29.
Cooper, Joseph T., Los Angeles, Calif. Seal. 2,250,748; July 29.
Copperweld Steel Company. (See Jensen, Claude H., assignor.)
Cornelius, Richard T., Minneapolis, Minn. Barrel. 2,250,749; July 29.
Corneliussen, Carl and E., Sandefjord, Norway. Bomb harpoon. 2,251,037; July 29.
Corneliussen, Erling. (See Corneliussen, Carl and E.)
Cornock, Edward F. (See Smith, E. L., and Cornock.)
Cotterman, Frederick W., assignor of one-half to B. D. Apple, Dayton, Ohio. Transmission gearing. 2,250,889; July 29.
Cowles, Ellsworth C., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Cylinder head. 2,250,446; July 29.
Crabbs, Herbert J., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Disconnecting switch. 2,251,115; July 29.
Cramer, Campbell, San Juan, Tex. Irrigation gate. 2,250,906; July 29.
Crane Packing Company. (See Brummer, Olin, assignor.)
Crawford, Loyal F., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding mechanism for shaker or jigging conveyers. 2,251,118; July 29.
Cristofoli, Lodovico, assignor of fifteen per cent to M. H. Page, Kansas City, Mo. Wigwag signal. 2,251,116; July 29.
Crites, Wilbur J., and W. C. Rodgers, Bartlesville, Okla., assignors to Phillips Petroleum Company. Apparatus for locating casing seats. 2,250,703; July 29.
Crocker, William D. (See Martin, J. F., and Crocker.)
Crooks, Ralph K., Sharpsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,251,117; July 29.
Crosley Corporation, The. (See Reid, John D., assignor.)
Crouch, Allin B., as trustee. (See Welland, A., and Zwickl, assignors.)
Crow, Lester A., assignor of five per cent to C. M. Fleissner, Santa Rosa, and sixteen per cent to C. Sullivan and twelve and one-half per cent to R. W. McElyea, Palo Alto, Calif. Clasp. 2,250,469; July 29.
Crowder, Alvin L., Gladewater, Tex. Pump. 2,250,792; July 29.
Crucible Steel Company of America. (See Payson, Peter, assignor.)
Cullen, Edward V., E. J. Shaughnessy, and C. J. Tupy, assignors to Cullen-Friestedt Company, Chicago, Ill. Lifter. 2,250,751; July 29.
Cullen-Friestedt Company. (See Cullen, E. V., Shaughnessy, and Tupy, assignors.)
Cumfer, Donald A., Ridgewood, N. J., assignor to R. W. B. Reade, Port Washington, N. Y. Fabric tearing machine. 2,250,572; July 29.
Currie, Kent D., Baltimore, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Brush display and storage rack. 2,251,119; July 29.
Currie, William E. (See Gerlach, Richard, assignor.)
Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,251,223; July 29.
Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,251,224; July 29.
Curtiss-Wright Corporation. (See Butler, Arthur G., assignor.)
Danen, Robert W., De Pere, Wis. Door fastener. 2,251,038; July 29.
Dangelmajer, Charles, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic wax composition and preparing the same. 2,251,225; July 29.
Da Silva, Raul R., Rio de Janeiro, Brazil. Bidet. 2,,251,039; July 29.
Davis, Ernest, Syracuse, N. Y. Exercising machine. 2,251,120; July 29.
Davis & Furber Machine Company. (See Rockwell, Samuel F., Jr., assignor.)
Davis, William L., St. Louis, Mo. Burial casket. 2,250,824; July 29.
Davisson, Clinton J., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,250,927; July 29.
Daw, Burton G., Webster Groves, Mo. Conveyer. 2,251,121; July 29.
Dawihl, Walther. (See Schröter, K., and Dawihl.)
Dayton, Ernest L., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve tappet. 2,250,752; July 29.
Dean, Reginald S., and C. T. Anderson, Salt Lake City, Utah, assignors to Chicago Development Company, Chicago, Ill. Manganese alloy. 2,250,470; July 29.
Dearborn, Philip C., assignor to American Blind Stitch Machine Co., New York, N. Y. Sewing machine construction. 2,250,573; July 29.
Deaver, Richard W., and C. E. O. Kreigstedt, Washington, D. C.; said Kreigstedt assignor to said Deaver. Automatic speed governor for automotive vehicles. 2,251,186; July 29.
De Bruin, Sake L., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn. Pressure measuring device. 2,250,471; July 29.
Decorated Metal Manufacturing Company. (See Atwood, Rawson, assignor.)
Delster Concentrator Company, The. (See Weber, D. A., and Stone, assignors.)
De la Mater, Robert G., assignor to The Parkersburg Rig & Reel Company, Parkersburg, W. Va. Walking beam assembly. 2,250,626; July 29.
De Laval Separator Company, The. (See Scott, Walter A., assignor.)
Delaval-Crow, Thomas C., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Bearing seal. 2,251,012; July 29.
Del-Mac Shoe Process Corporation, The. (See Quinn, Edward, assignor.)
De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Coating magnesium articles. 2,250,473; July 29.
De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Producing colored coatings upon magnesium and its alloys. 2,250,472; July 29.
Derbenwick, Frank. (See Narberes, R. J., and Derbenwick.)
Desmonds, Albert X., assignor to Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Knitting machine. 2,250,791; July 29.
Dewees, Leonard S., Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Measuring rotation of apparatus within drill pipe or the like. 2,251,040; July 29.
Diagraph-Bradley Stencil Machine Corporation (See Brigham, James W., assignor.)
Dieckmann, Charles W., Chicago, Ill. Locking means for bearing studs and nuts. 2,250,753; July 29.
Dienner, John A. (See Cole, Alice M., assignor.)
Dietrichson, William F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Hopper discharge. 2,250,524; July 29.
Döbke, Günther, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Vacuum-tight metal-to-ceramic seal and making same. 2,250,986; July 29.
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,251,122; July 29.

Dodge, Eugene W., assignor of twenty-five per cent to T. T. Vaughn, Shafter, Calif. Explosive rotary jar for deep well equipment. 2,250,574; July 29.
Donley, Bartrum G., Clintonville, Wis., and G. Genung, Oak Park, Ill.; said Donley assignor to said Genung. Machine for setting, shifting, and removing poles. 2,251,013; July 29.
Donnellan, James S., Los Angeles, Calif. Sprinkler. 2,250,525; July 29.
Donnelly, Richard J., assignor to F. H. Hill Company, Inc., Cleveland, Ohio. Casket drop. 2,250,704; July 29.
Donovan, Arthur C., Jr., Brookline, assignor to The Gamewell Company, Newton Upper Falls, Mass. Signaling system. 2,250,928; July 29.
Dooley, Clarence H., assignor of one-third to himself, one-third to D. D. Dooley, Rock Island, Ill., and one-third to H. K. Dooley, Los Angeles, Calif. Tractor safety control. 2,250,754; July 29.
Dooley, Delmar D., et al. (See Dooley, Clarence H., assignor.)
Dooley, H. Keith, et al. (See Dooley, Clarence H., assignor.)
Dornvan Corporation, The. (See Van Dorn, Herbert E., assignor.)
Doty, Charles R., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Teletypewriter. 2,250,857; July 29.
Dow Chemical Company, The. (See de Long, Herbert K., assignor.)
Dowty, George H., Cheltenham, England. Undercarriage and pressure reservoir of aircraft. 2,251,239; July 29.
Dreyfus, Henry, London, England. Textile material and the production thereof. 2,250,575; July 29.
Ducat, Joseph B., Jamaica, N. Y. Beverage making device. 2,250,858; July 29.
Dudley Lock Corporation. (See Machinist, Harold, assignor.)
Duisberg, Walther H. (See von Zeppelin, Helmut, assignor.)
Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Shoe sole, heel, and the like. 2,250,987; July 29.
Du Pont, E. I., de Nemours & Co. (See Babcock, Dale F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carter, A. S., and Johnson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dangelmajer, Charles, assignor.)
Du Pont, E. I., de Nemours & Company. (See Hall, Walter A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Loder, D. J., Gresham, and Killian, assignors.)
Du Pont, E. I., de Nemours & Co. (See McBurney, Dorman, assignor.)
Du Pont, E. I., de Nemours & Company. (See Schwartz, George L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Watkins, William W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Dwyer, William M., assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,250,447; July 29.
Eaton Manufacturing Company. (See Dayton, Ernest L., assignor.)
Edison General Electric Appliance Company. (See Eskin, Samuel, assignor.)
Edison General Electric Appliance Company. (See Miller, Nicholas, assignor.)
Edison General Electric Appliance Company. (See Stoddard, Edgar S., assignor.)
Edison General Electric Appliance Company. (See Winborne, Russell A., assignor.)
Edison, Thomas A., Incorporated. (See Somers, Richard M., assignor.)
Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Shaft coupling. 2,250,448; July 29.
Edwards, Irving W., Detroit, Mich. Composite electric cable. 2,250,907; July 29.
Edwards, Karl B., London, England. Manufacture of nicotine. 2,251,041; July 29.
Edwards, Walter S. (See Higgins, G. H., and Edwards.)
Ehrenhaft, Viktor, Brunn, Moravia. Process and apparatus for the manufacture of profiled bricks. 2,250,576; July 29.
Ehret, Clement, White Plains, N. Y. Stove. 2,250,859; July 29.
Ehret, Clement, White Plains, N. Y. Oven illumination for stoves. 2,250,860; July 29.
Eibink, Blanche. (See Gratcyk, S. A., McWethy, Russell, and Eibink.)
Eisenbrand, Josef, and H. Picher, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Sterilization process. 2,250,474; July 29.
Eisenbrand, Josef, and H. Picher, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Sterilization process. 2,251,042; July 29.
Ekdahl, Carl E., assignor to The Marlin Firearms Company, New Haven, Conn. Sight for firearms. 2,250,861; July 29.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Truck and brake arrangement therefor. 2,250,988; July 29.
Electrical Research Laboratories, Inc. (See Schnell, William J., assignor.)
Elk River Concrete Products Company. (See Longfellow, Dwight W., assignor.)
Empire Metal Cap Co. Inc. (See Merolle, Augustus L., assignor.)
Eppens, Ernest G., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid actuated hammer. 2,250,449; July 29.
Eriksson, Erik O. (See Lysholm, A., and Eriksson.)
Ernestus, Adolph. (See Sillers, T. G. A., and Ernestus.)
Ernst, Arthur G., executor, et al. (See Ernst, Charles K.)
Ernst, Charles F., Buffalo, N. Y. Container handling device. 2,250,577; July 29.
Ernst, Charles F., executor, et al. (See Ernst, Charles K.)
Ernst, Charles K., Buffalo, N. Y., deceased; C. F. Ernst, M. C. Lay, and A. G. Ernst, executors. Truck or transporting device. 2,250,475; July 29.
Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del. Automatic press control system. 2,250,705; July 29.
Eskin, Samuel, assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill. Timing device. 2,250,989; July 29.
Evans, Boyd H., South San Francisco, Calif. Hoist. 2,250,825; July 29.
Evans, Earl R., Jackson Heights, N. Y. System for phototransmission. 2,250,476; July 29.
Evans, John G., and A. Shepherdson, Manchester, England, assignors to Imperial Chemical Industries, Limited. Manufacture of improved filaments, threads, foils, or sheets of cellulose esters or ethers. 2,250,929; July 29.
Evans, John G., and C. E. Salkeld, Blackley, Manchester, England, assignors to Imperial Chemical Industries, Limited. Treatment of wool and silk. 2,250,930; July 29.
Everel Propeller Corporation. (See Everts, Walter W., assignor.)
Everts, Walter W., assignor to Everel Propeller Corporation, Baltimore, Md. Variable pitch propeller. 2,250,826; July 29.
Faber, Elwood C., Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Die. 2,250,450; July 29.
Fafnir Bearing Company, The. (See Leister, Fayette, assignor.)
Fairweather, Burton A., and D. M. Terry, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regulator system. 2,251,044; July 29.
Fanshier, Thomas C., Oklahoma City, Okla. Motor driven fishing reel. 2,251,123; July 29.
Farkas, Emil N. and F. F., Chicago, Ill. Book and binding for same. 2,250,755; July 29.
Farkas, Frank F. (See Farkas, Emil N. and F. F.)
Farnsworth, Philo T., San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Cathode ray amplifying tube. 2,251,124; July 29.
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Farrington, John F., Laconia, N. H., assignor to Hazeltine Corporation. Combination amplitude-modulation-frequency-modulation receiver. 2,250,862; July 29.
Fathauer, Ralph W., Cleveland, Ohio. Musical instrument. 2,250,827; July 29.
Faulkner, Harold C. (See Spaine, E. P., and Faulkner.)
Fauver, Richard L. (See Pickens, S., and Fauver.)
Feeney, Lawrence E., assignor to General Motors Corporation, Detroit, Mich. Screw operated jack. 2,250,627; July 29.
Feick, Ralph D., assignor to The Studebaker Corporation, South Bend, Ind. Valve construction. 2,250,793; July 29.
Feldenheimer, William, London, England. Purifying of earthy minerals. 2,251,256; July 29.
Feldman, Abraham G., assignor to Storkline Furniture Corporation. Chicago, Ill. Brake mechanism. 2,250,990; July 29.
Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)
Ferguson, Allan W., assignor to Oxides, Inc., Buffalo, N. Y. Manufacture of white lead. 2,250,756; July 29.
Fernseh Aktiengesellschaft. (See Bähring, Herbert, assignor.)
Fernseh Aktiengesellschaft. (See Möller, R., and Hartmann, assignors.)
Ferro Enamel Corporation. (See Bahnsen, M. J., and Bryant, assignors.)
Feuerstein, Kurt. (See Kautter, C. T., and Feuerstein.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Kusche, Walter, assignor.)
Filtrol Corporation. (See Clark, Louis F., assignor.)
Finch, James L., Patchogue, N. Y., assignor to Radio Corporation of America. Transmitter control circuit. 2,250,578; July 29.
Finegan, Margaret B., Nekoosa, Wis. Hosiery protector. 2,250,794; July 29.
Firestone Tire & Rubber Company, The. (See Runals, William T., assignor.)
Firshing, William M., Staten Island, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heater casing. 2,251,014; July 29.
Fisher, Ernest F., Boston, Mass. Gas and liquid contact column. 2,250,757; July 29.

Fitz Gerald, John W., and A. Gudmundsen; said Gudmundsen assignor to Gudmundsen-Stratton Laboratories, Inc., Milwaukee, Wis. Cooling system for automotive vehicle engines. 2,250,795; July 29.

Fleischman, Samuel, assignor of twenty per cent to H. Biech, Chicago, Ill. Coupling. 2,250,477; July 29.

Fleissner, C. M., et al. (See Crow, Lester A., assignor.)

Forbes, Lewis Jex-Blake, St. Helens, England, assignor to Société Anonyme des Manufacturers des Glaces et Produits Chimiques de Saint-Gobain, Chauncy & Cirey, Paris, France. Shaping of glass sheets. 2,250,628; July 29.

Formrite Bacon Press Corporation. (See Pierson, Benjamin J., assignor.)

Foss, William L., Washington, D. C., assignor to Howton Radio Alarm Company, Seattle, Wash. Alarm system control. 2,250,828; July 29.

Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Receiver loop circuit. 2,250,829; July 29.

Franke, Ernst, Berlin-Wilmersdorf, and K. Wilhelm, Berlin-Tempelhof, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillator control circuit. 2,250,526; July 29.

Franklin Steel Works. (See Warren, Douglas R., assignor.)

Franks, Wayne M., Rockford, Ill. Artificial bait. 2,250,478; July 29.

Freeman, Lowell C., assignor to The Murray Corporation of America, Detroit, Mich. Seat and back cushion frame. 2,251,043; July 29.

French, Charles P., Turlock, Calif. Fountain toothbrush. 2,250,758; July 29.

French, John W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Heel-seat fitting machine. 2,250,665; July 29.

Friedman, Daniel, Chicago, Ill. Can. 2,251,187; July 29.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Nonrepeat valve. 2,250,629; July 29.

Frisoli, Domenico, Newark, N. J. Double pointed blade and holder therefor. 2,250,796; July 29.

Froehlich, Jaroslav, Basel, E. Stoecklin, Binningen, and R. Tobler, Riehen, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Indigoid vat dyestuffs. 2,250,630; July 29.

Frog, Switch & Manufacturing Company, The. (See Seal, Voorhees N., assignor.)

Fryer, Louis S. (See Kline, H. B., and Fryer.)

Fuller Manufacturing Company. (See Backus, Thomas, assignor.)

Fulton Company, The. (See Thorp, J. R., and Strand, assignors.)

Gaidies, Georg, Berlin-Pankow, and M. Pirani, Berlin-Wilmersdorf, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,251,045; July 29.

Gaidies, Georg, Berlin-Pankow, and M. Pirani, Berlin-Wilmersdorf, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,251,046; July 29.

Gallimore, Keith F., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Machine tool. 2,251,015; July 29.

Gallimore, Keith F., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Clamping mechanism. 2,251,016; July 29.

Gamewell Company, The. (See Donovan, Arthur C. Jr., assignor.)

Gamewell Company, The. (See Weld, Foster E., assignor.)

Gangloff, Thomas W., Dallas, Pa., assignor to The Okonite Company, Passaic, N. J. Marking articles. 2,251,047; July 29.

Gardner, Charles J., Bakersfield, assignor of one-half to A. P. Ohanneson, Shafter, Calif. Safety device. 2,251,125; July 29.

Gardner, Edgar A., Los Angeles, Calif. Poultry watering fountain. 2,250,759; July 29.

Garland, Joseph F., Salt Lake City, Utah. Garden tool. 2,251,048; July 29.

Garlinghouse, Leslie H., Los Angeles, Calif. Wheelbarrow wheel mounting. 2,250,797; July 29.

Garlock Packing Company, The. (See Armstrong, Francis W., assignor.)

Garofalo, Ross J., Los Angeles, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Producing high molecular weight hydrocarbons. 2,250,991; July 29.

Garst, Jonathan, Palo Alto, Calif. Harvester. 2,250,948; July 29.

Gatke, Thomas L., Oak Park, Ill. Molded composition slipper bearing. 2,251,126; July 29.

Geiger, Max, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Sawtooth wave generator. 2,250,706; July 29.

Geisinger, Abraham. (See Solomon, Harry, assignor.)

General Aniline & Film Corporation. (See Wegler, Richard, assignor.)

General Electric Company. (See Bivens, Maurice E., assignor.)

General Electric Company. (See Döbke, Günther, assignor.)

General Electric Company. (See Gaidies, G., and Pirani, assignors.)

General Electric Company. (See Lindwurm, L., and Thouret, assignors.)

General Electric Company. (See Livingston, Orrin W., assignor.)

General Electric Company. (See Mayer, Harry F., assignor.)

General Electric Company. (See Ogrodowy, Oskar, assignor.)

General Electric Company. (See Propernick, A. A., and Allenby, assignors.)

General Electric Company. (See Rice, C. W., and Hahn, assignors.)

General Electric Company. (See Rich, Theodore A., assignor.)

General Electric Company. (See Rich, T. A., and Runaldue, assignors.)

General Electric Company. (See Schroter, K., and Dawihl, assignors.)

General Electric Company. (See Seefeld, Georg, assignor.)

General Electric Company. See Zahn, E. A., and Patterson, assignors.)

General Motors Corporation. (See Bone, Evan P., assignor.)

General Motors Corporation. (See Delaval-Crow, Thomas C., assignor.)

General Motors Corporation. (See Feeney, Lawrence E., assignor.)

Geneva Processes, Inc. (See Nester, Samuel K., assignor.)

Genung, Gilbert. (See Donley, B. G., and Genung.)

Gerber, Wayne S. (See Hudson, T. B., and Gerber.)

Gerlach, Richard, Leuna, Germany, assignor, by mesne assignments, to William E. Currie, New York, N. Y. Separation of hydrocarbons from gases containing them. 2,250,949; July 29.

Gessner, David, Worcester, Mass. Shrinking and drying cloth. 2,251,127; July 29.

Gibson, Oliver E., Chicago, Ill., and H. E. McCray, Cleveland, Ohio, assignors to United States Gypsum Company, Chicago, Ill. Building stud construction. 2,250,798; July 29.

Giddings & Lewis Machine Tool Co. (See Gallimore, Keith F., assignor.)

Gillespie, Bruce G., Cranford, N. J., assignor to Standard Oil Development Company. Solvent extraction process. 2,250,579; July 29.

Goat, Fred, Co., Inc., The. (See Hafecost, Frederick, assignor.)

Godefroy, Charles W., Clayton, assignor to Godefroy Manufacturing Company, St. Louis, Mo. Combined label, cap loosener, and auxiliary container. 2,250,666; July 29.

Godefroy Manufacturing Company. (See Godefroy, Charles W., assignor.)

Goldmark, Peter C., assignor to Markia Corporation, New York, N. Y. System for building voltages for deflecting cathode rays. 2,250,479; July 29.

Goldsmith, Alfred N., New York, N. Y. Relay system monitoring. 2,250,950; July 29.

Gonzales, Andrew, assignor of one-half to Quon Wee, San Antonio, Tex. Combination measuring device. 2,250,830; July 29.

Goodloe, Alfred M., Montclair, assignor to Metal Textile Corporation, West Orange, N. J. Flexible cablelike formation of knitted metallic fabric. 2,250,863; July 29.

Goodman Manufacturing Company. (See Crawford, Loyal F., assignor.)

Goodwin, George I., Detroit, Mich. Clutch plate. 2,251,128; July 29.

Gordon, Charles W., Glen Ellyn, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Heat exchanger. 2,250,864; July 29.

Grand Rapids Fibre Cord Company. (See Sackner, Wade E., assignor.)

Grateyk, Sigmund A., A. L. McWethy, T. P. Russell, and B. Elbink, Grand Rapids, Mich. Dispensing machine. 2,250,760; July 29.

Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal translating apparatus. 2,250,527; July 29.

Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal translating system and apparatus. 2,250,528; July 29.

Gray, Frank, New York, N. Y., and J. B. Johnson, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal translating apparatus. 2,250,529; July 29.

Grayson Heat Control, Ltd. (See Ruegg, A. J., and Martin, assignors.)

Great Lakes Steel Corporation. (See Selmi, L. G., and Alteburger, assignors.)

Greegor, Ralph H. (See Poorman, J. S., and Greegor.)

Gregory, Marion J., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Grinding wheel. 2,250,580; July 29.

Greer, Agnes J. Reeves. (See Nyberg, S., and Cappel, assignors.)

Gresham, William F. (See Loder, D. J., Gresham, and Killian.)

Greulich, Gerald G., Mount Lebanon, Pa. Piling section. 2,250,908; July 29.

Grieder, Fred, Detroit, Mich. Apparatus for cutting metal tubes. 2,250,931; July 29.

Griffin, Joseph F., Hammond, Ind., assignor to The Superheater Company, New York, N. Y. Control valve for centrifugal pumps. 2,250,865; July 29.

Griffis, Merle L., Vienna, Ohio. Holder for yarn or cord. 2,251,188; July 29.

Groene, Willard L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Hydraulic chucking mechanism. 2,250,632; July 29.

Groene, Willard L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Hydraulic center drive chuck. 2,250,634; July 29.

Groene, William F., and G. W. Luning, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Taper attachment. 2,250,633; July 29.

Groene, William F., and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft chuck. 2,250,631; July 29.

Grogan, Tom, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Winding thread or the like. 2,251,212; July 29.

Gross, Norman C., Milwaukee, Wis. Sausage stuffer. 2,250,707; July 29.

Gschwind, Edmund A., assignor to Stewart-Warner Corporation, Chicago, Ill. Radio tuning apparatus. 2,250,761; July 29.

Gudmundsen, Austin. (See Fitz Gerald, J. W., and Gudmundsen.)

Gudmundsen-Stratton Laboratories, Inc. (See Fitz Gerald, J. W. (and Gudmundsen, assignor).)

Guignon, Emile S., Jr., Kansas City, Mo. Coping. 2,250,951; July 29.

Gulf Oil Corporation. (See Kolthoff, E., and Catanach, assignors.)

Gump, William S., Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y. Dihydroxy hexachloro diphenyl methane and producing the same. 2,250,480; July 29.

Gunder, Robert J., assignor to Hamilton Watch Company, Lancaster, Pa. Display device. 2,250,635; July 29.

Guyton, Robert H., and L. H. Herman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Cooler with wet and dry storage. 2,250,952; July 29.

Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe sewing machine. 2,250,953; July 29.

Habeck, William E., Clintonville, Wis. Fountain sponge. 2,250,909; July 29.

Haberlin, John F., assignor, by mesne assignments, to Boeing Airplane Company, Seattle, Wash. Chemical discharging means for aircraft. 2,250,762; July 29.

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Seat and back cushion construction. 2,251,049; July 29.

Hafecost, Frederick, Hopatcong, N. J., assignor to The Fred Goat Co., Inc., Brooklyn, N. Y. Feed mechanism. 2,250,530; July 29.

Hagerty, Andrew T., and L. L. Stewart, Elkhart, Ind., assignors to The Adlake Company. Continuous lighting fixture. 2,250,954; July 29.

Hagerty, Andrew T., and L. L. Stewart, Elkhart, Ind., assignors to The Adlake Company. Baggage rack. 2,251,050; July 29.

Hagstrom, Joseph E., Kansas City, Mo. Vending machine. 2,250,816; July 29.

Hahn, William C. (See Rice, C. W., and Hahn.)

Hall, Walter A., Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polishing composition and preparing the same. 2,250,667; July 29.

Halstead, John F., Brooklyn, N. Y., assignor to The International Cigar Machinery Company. Machine for feeding tobacco. 2,250,481; July 29.

Hamilton Watch Company. (See Breen, Walter F., assignor.)

Hamilton Watch Company. (See Gunder, Robert J., assignor.)

Hamilton Watch Company. (See Lodge, Alvin, assignor.)

Hammond, Elmer H., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Indicating instrument. 2,251,129; July 29.

Hammond, Laurens, Chicago, Ill. Electrical musical instrument. 2,251,051; July 29.

Hammond, Laurens, Chicago, Ill. Electrical musical instrument. 2,251,052; July 29.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 2,250,531; July 29.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio relaying system. 2,250,532; July 29.

Hansen, William W. (See Varian, R. H., and Hansen.)

Hanson, Edward S. (See Thompson, J. S., and Hanson.)

Hanson, Roy E., Wauwatosa, assignor, by mesne assignments, to Marshall & Ilsley Bank, Milwaukee, Wis. Making rings for packages. 2,250,533; July 29.

Harris, Clarence P., New York, N. Y., assignor, by mesne assignments, to United States Metal Powders, Inc., Baltimore, Md. Preparing metallic pigment pastes. 2,250,955; July 29.

Harris, Clarence P., New York, N. Y., assignor, by mesne assignments, to United States Metal Powders, Inc., Baltimore, Md. Metallic pigment. 2,250,956; July 29.

Harris-Seybold-Potter Company. (See Wood, William, H., assignor.)

Harrison, Henry J., El Paso, Tex. Hat and coat hanger. 2,250,831; July 29.

Harrison, John K. M., Ogontz, Pa. Container bottom and top spinning head. 2,250,799; July 29.

Harshberger, Norman P., Scarsdale, assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y. Surface covering material and the like and making same. 2,250,482; July 29.

Hartford National Bank and Trust Company. See de Bruin, Sake L., assignor.)

Hartford National Bank and Trust Company. (See Postlethwaite, Frank, assignor.)

Hartmann, Werner. (See Möller, Rolf, and Hartmann.)

Haux, Elmer H., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Coating composition for molds, etc. 2,251,130; July 29.

Haynes Stellite Company. (See Wissler, William A., assignor.)

Hazeltine Corporation. (See Farrington, John F., assignor.)

Hedge, Marvin K., Portland, Oreg. Fly casting fishing line. 2,250,832; July 29.

Heinecke, Curt, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiver volume control. 2,250,581; July 29.

Helbush, H. H. (See Besocke, Richard, assignor.)

Hellicar, Ames G. (See Taylor, A. W. C., Woolcock, and Hellicar.)

Hemphill Company. (See Cloutier, Arthur N., assignor.)

Hemphill Company. (See St. Pierre, Eugene, assignor.)

Herbert, Frederick D., Jr., Cedar Grove, N. J., assignor to Kearfott Engineering Co., Inc. Radio compass loop construction. 2,251,131; July 29.

Hercules Powder Company. (See Schantz, Jacob M., assignor.)

Hercules Powder Company. (See Sheffield, Donald H., assignor.)

Herman, Laurence H. (See Guyton, R. H., and Herman.)

Herz, Friedrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Time internal measuring means. 2,250,708; July 29.

Hettrick Manufacturing Company, The. (See Baumker, William H., assignor.)

Hettrick Manufacturing Company, The. (See Lewinski, George, assignor.)

Hewton, William R., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Weft end control means. 2,250,866; July 29.

Hiett, Henry L., East Falls Church, Va. Oil drainage funnel. 2,250,910; July 29.

Higgins, Gilbert H., Mountain Lakes, N. J., and W. S. Edwards, New Haven, Conn., assignors to R. Hoe & Co., Inc., New York, N. Y. Printing machine. 2,250,534; July 29.

Hild, Raymond L., San Jose, Calif. Reinforced wall and foundation structure. 2,250,763; July 29.

Hill, Albert H., Columbus, Ga. Let-off mechanism for looms. 2,250,833; July 29.

Hill, Arthur W., Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Thrust bearing. 2,250,668; July 29.

Hill, F. H., Company. (See Donnelly, Richard J., assignor.)

Hindle, Henry L., Jr., Philadelphia, Pa. Sharpening device. 2,250,867; July 29.

Hines, Claude M., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,251,132; July 29.

Hoch, Walter A. (See Lauer, W. N., and Hoch.)

Hodges, Frederick G., Jr., Dallas, Tex. Inner spring unit. 2,250,800; July 29.

Hoe, R., & Co. (See Bradshaw, R., and Lougee.)

Hoe, R., & Co. (See Higgins, G. H., and Edwards, assignors.)

Hoeckendorf, Harry R., Big Spring, assignor of one-fourth to J. P. McHargue, Midland, Tex. Frame roofing construction. 2,250,911; July 29.

Hoess, Frank L., Hammond, Ind. Metallic building unit. 2,250,764; July 29.

Hoffmann, Edward C., University City, assignor to Triple "E" Products Co., St. Louis, Mo. Pencil sharpener. 2,251,053; July 29.

Holley, Earl, et al. (See Kittler, Milton J., assignor.)

Holley, George M., et al. (See Kittler, Milton J., assignor.)

Hollingsworth, R. Lee. (See Peterson, H. O., and Hollingsworth.)

Holo-Krome Screw Corporation, The. (See Purtell, William A., assignor.)

Hoover Company, The. (See Brace, George A., assignor.)

Hoover Company, The. (See Kitto, William H., assignor.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Hopkinson, Harry, Watertown, Mass. Fireproofing composition and method. 2,250,483; July 29.

Hopwood, John M. (See Mawha, James K., assignor.)

Horger, Ralph E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive rod bearing. 2,250,801; July 29.

Horowitz, Alexandre, J. A. van Lammeren, and G. B. Knös, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Control circuit. 2,251,054; July 29.

Horstman, Herbert H., Alton, Ill. Planking rudder. 2,251,133; July 29.

Houdry Process Corporation. (See Appel, Henry J., assignor.)

Houdry Process Corporation. (See Thomas, H., Pearson, and Nopper, assignors.)

Houge, Oscar W., executor. (See Johanson, Carl H., assignor.)

Houghton, Frank T. (See Martin, A. D., Jr., and Houghton.)

Houston Corporation, The. (See Houston, Herbert W., assignor.)

Houston, Herbert W., North Hollywood, assignor to The Houston Corporation, Los Angeles, Calif. Method and apparatus for developing film. 2,251,232; July 29.

Howard, David J., and S. J. Johnson, assignors to Quaker Manufacturing Company, Chicago, Ill. Control mechanism for fluid fuel burners. 2,251,051; July 29.

Howton, James O., Freewater, Oreg., assignor to Howton Radio Alarm Company, Seattle, Wash. Radio alarm system. 2,250,834; July 29.

Howton Radio Alarm Company. (See Foss, William L., assignor.)

Howton Radio Alarm Company. (See Howton, James O., assignor.)

Hudson, Thomas B., Bartlesville, Okla., and W. S. Gerber, Columbus, Ohio, assignors to Phillips Petroleum Company. Well drilling system. 2,250,912; July 29.

Huff, Edward I., Montclair, N. J., assignor to Huff Equipment Company. Coil-annealing furnace. 2,250,868; July 29.

Huff Equipment Company. (See Huff, Edward I., assignor.)

Hughes, Thomas E., Duquesne, Pa. **Fume exhausting apparatus for use with ingot molds.** 2,250,913; July 29.

Hummel, Frederick E., Chicago, Ill. Auxiliary handle. 2,250,709; July 29.

Hunt, Harry J., assignor of one-half to M. Orr, Kansas City, Mo. Folding table. 2,251,134; July 29.

Hunter Illuminated Car Sign Co. Inc., The. (See Hunter, Lytle G., assignor.)

Hunter, Lytle G., assignor to The Hunter Illuminated Car Sign Co. Inc., Flushing, N. Y. Web roller. 2,250,957; July 29.

Hutt, Raymond F., Fort Madison, Iowa. Flare. 2,250,710; July 29.

Hydraulic Development Corp. Inc., The. (See Ernst, Walter, assignor.)

Hygrade Sylvania Corporation. (See Bowie, Robert M., assignor.)

Hygrade Sylvania Corporation. (See McCarthy, Henry J., assignor.)

Hygrade Sylvania Corporation. (See Miller, Carl F., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Kallman, Hartmut I.)

Iknayan, Alfred N., and R. G. Null, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y. Method and apparatus for forming washers and the like. 2,251,135; July 29.

Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)

Imperial Chemical Industries Limited. (See Evans, J. G., and Salkeld, assignors.)

Imperial Chemical Industries Limited. (See Evans, J. G., and Shepherdson, assignors.)

Imperial Chemical Industries Limited. (See Owens, Robert D. J., assignor.)

Imperial Chemical Industries Limited. (See Taylor, A. W. C., Woolcock, and Hellicar, assignors.)

Imperial Chemical Industries Limited. (See Walter, James M., assignor.)

Industrial Rayon Corporation. (See Grogan, Tom, assignor.)

Industrial Rayon Corporation. (See Kline, H. B., and Freyer, assignors.)

Ingersoll-Rand Company. (See Cowles, Ellsworth C., assignor.)

Ingersoll-Rand Company. (See Eppens, Ernest G., assignor.)

International Business Machines Corporation. (See Doty, Charles R., assignor.)

International Business Machines Corporation. (See Stefano, Nicholas M., assignor.)

International Business Machines Corporation. (See Torkelson, Torkel E., assignor.)

International Cigar Manufacturing Company. (See Alm, Thure W., assignor.)

International Cigar Machinery Company, The. (See Halstead, John F., assignor.)

International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)

Ironsides Company, The. (See Williams, Robert C., assignor.)

Irwin, James R., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dust excluding device. 2,251,056; July 29.

Iseman, John W., New York, N. Y., assignor to Modern Products, Inc., Wilmington, Del. Dental tool. 2,251,057; July 29.

Ives, Senga M. (See Little, Webster W., assignor.)

Jacobsberg, Ernst, Aachen, Germany. Making woolly fabrics of staple fiber. 2,250,914; July 29.

Jamgotchian, Edward M., Floral Park, N. Y. Rug pad. 2,250,669; July 29.

Jeffrey Manufacturing Company, The. (See Nichols, Richard D., assignor.)

Jensen, Claude H., Pittsburgh, assignor to Copperweld Steel Company, Glassport, Pa. Cable connector. 2,251,189; July 29.

Jentzer, Henry, St. Louis, Mo. Metallic building construction. 2,250,582; July 29.

Jerry, Carl R., Rochester, assignor to Sharon Optical Company, Inc., Geneva, N. Y. Eyeglass case lining. 2,250,636; July 29.

Johanson, Carl H., Los Angeles, Calif., deceased; Oscar W. Hogue, executor. True size glove palm and back stretch indicator. 2,250,711; July 29.

Johns-Manville Corporation. (See Lumbert, William J., assignor.)

Johnson, Charles, Detroit, Mich. Lever connection. 2,250,765; July 29.

Johnson, Frank W. (See Carter, A. S., and Johnson.)

Johnson, John B. (See Gray, F., and Johnson.)

Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake head wear element. 2,250,637; July 29.

Johnson, Manfred J., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn. Indicating and/or recording unknown quantities. 2,250,712; July 29.

Johnson, Sam R., Altamont, S. Dak. Auxiliary traction device. 2,250,713; July 29.

Johnson, Samson J. (See Howard, D. J., and Johnson.)

Johnston, Dewey S., Forth Worth, Tex. Game apparatus. 2,250,802; July 29.

Jones, George L., Garden City, N. Y., and C. B. Roede, Ridgefield, N. J., assignors to Sperry Products, Inc., Brooklyn, N. Y. Welding rails. 2,250,869; July 29.

Jones, George L., Garden City, N. Y., and C. B. Roede, Ridgefield, assignors to Sperry Products, Inc., Hoboken, N. J. Welding rails. 2,250,870; July 29.

Jopson, William G., assignor to C. A. Reed Company, Williamsport, Pa. Paper cup. 2,251,017; July 29.

Jorgenson, Joel C., Clifton, Tex. Wood turning chip guard. 2,250,766; July 29.

Joy, Joseph F., Pittsburgh, Pa., assignor, by mesne assignments, to Joy Manufacturing Company, Franklin, Pa. Drilling apparatus. 2,250,670; July 29.

Joy, Joseph F., Franklin, Pa., assignor to Joy Manufacturing Company. Drilling apparatus. 2,250,671; July 29.

Joy Manufacturing Company. (See Joy, Joseph F., assignor.)

Jurs, Albert E., Piedmont, Calif. Fluid flow control apparatus. 2,250,767; July 29.

Jutting, Bernhard G., New Brunswick, N. J. Rotary engine. 2,250,484; July 29.

Kaier, Eleanor C., executrix. (See Kaier, Richard.)

Kaier, Richard, deceased, by E. C. Kaier, executrix, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser-foot lifter for sewing machines. 2,250,992; July 29.

Kallmann, Hartmut I., formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and E. Kuhn, Berlin, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing neutrons. 2,251,190; July 29.

Kammerer, Emil H. (See Packer, C. I., and Kammerer.)

Karagheusian, A. & M. (See Baynton, Harold H., assignor.)

Karton, Harry, assignor to Sagamor Metal Goods Corporation, New York, N. Y. Lipstick holder. 2,251,136; July 29.

Kassler, Adolph, assignor to American Car and Foundry Company, New York, N. Y. Covered convertible freight car. 2,250,535; July 29.

Kautter, Carl T., Darmstadt, Germany, assignor to Röhm & Haas Company, Philadelphia, Pa. Polymerizing acrylic and methacrylic acid esters. 2,250,485; July 29.

Kautter, Carl T., and K. Feuerstein, Darmstadt, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa. Embedding color in polymeric materials. 2,250,958; July 29.

Kay, Ralph, New York, N. Y., assignor to Novel Slide Manufacturing Corporation. Ornamental facing for closures. 2,251,137; July 29.

Kayler, Frank H. (See Kinne, E. P., and Kayler.)

Kearfott Engineering Co. (See Herbert, Frederick D., Jr., assignor.)

Kearfott Engineering Co. (See Kraemer, Waldo L., assignor.)

Keefer, Leonard O., Spokane, Wash. Oil filter. 2,250,672; July 29.

Keen, Thomas A., San Mateo, Calif., assignor to H. M. Smith, Chicago, Ill. Display device. 2,251,250; July 29.

Keevil, Henry W. (See Barnes, W. C., and Keevil.)

Ke Hawke Manufacturing Company. (See Anderson, Gustav I., assignor.)

Kelley, Birtie M., Atlanta, Ga. Hairdressing cap. 2,251,191; July 29.

Kellogg Company. (See Poole, R. S., and Marshall, assignors.)

Kellogg Company. (See Swan, E. T., and Poole, assignors.)

Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Windshield wiper motor. 2,251,240; July 29.

Kellogg, Homer G., assignor to Motor Products Corporation, Detroit, Mich. Windshield wiper operating means. 2,251,241; July 29.

Kelly, Daniel S. W., assignor to Allen-Bradley Company, Milwaukee, Wis. Potentiometer. 2,250,959; July 29.

Kennedy, Elmer M., Lochmoor, and C. A. Boyd, Rochester, assignors to Briggs Manufacturing Company, Detroit, Mich. Upholstery machine. 2,250,768; July 29.

Kennedy, Joseph E., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Steam generating apparatus. 2,250,536; July 29.

Kennedy-Van Saun & Eng. Corporation. (See Kennedy, Joseph E., assignor.)

Kepner, Robert C., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Spring drawhead and buffer. 2,250,537; July 29.

Kepner, Robert C., Bloomsburg, and R. A Shields, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y. High capacity drop bottom car. 2,250,538; July 29.

Kew, Charles E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Electrical control system. 2,250,673; July 29.

Kieser, Max, assignor to Albiswerk Zurich Aktiengesellschaft, Zurich, Albisrieden, Switzerland. Signaling circuit. 2,250,769; July 29.

Kileen, Ray. (See Krumsiek, E., Kileen, and Reedy.)

Killian, Donald B. (See Loder, D. J., Gresham, and Killian.)

Kinne, Edmund P., and F. H. Kayler, Alliance, assignors to American Steel Foundries, Chicago, Ill. Coupler. 2,250,993; July 29.

Kinnear Manufacturing Company, The. (See Poorman, J. S., and Greegor, assignors.)

Kirkman, Thomas W., New York, N. Y. Chemical evaporator. 2,251,058; July 29.

Kisinger, Herman T. (See Poor, T. W., Kisinger, John E., and H. T.)

Kisinger, John E. (See Poor, T. W., Kisinger, John E. and H. T.)

Kittler, Milton J., Detroit, Mich., assignor to G. M. and E. Holley. Fuel control. 2,250,932; July 29.

Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,250,960; July 29.

Klesrath, Victor W., South Bend, Ind., and R. S. Sanford, New York, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind. Gear shifting mechanism. 2,250,835; July 29.

Kline, Hayden B., and L. S. Fryer, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for the processing of multiple filament thread or the like. 2,251,226; July 29.

Klockner-Humboldt-Deutz, Aktiengesellschaft. (See Pischinger, Anton, assignor.)

Knight, Milton C., Worcester, assignor to Thermo-Vac Corporation, Boston, Mass. Latching device for containers or compartments. 2,251,138; July 29.

Knös, Gunnar B. (See Horowitz, A., van Lameren, and Knös.)

Koehler, Fred H., Fort Thomas, Ky. Nasal filter. 2,251,139; July 29.

Koenigkramer, Frank and F., Cincinnati, Ohio. Hydraulic lift actuating mechanism. 2,250,803; July 29.

Koenigkramer, Frederick. (See Koenigkramer, Frank and F.)

Kohnle, Frederick, assignor to Monach Marking System Company, Dayton, Ohio. Type chase. 2,251,227; July 29.

Kolthoff, Eric, and A. E. Catanach, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Sweetening sour hydrocarbon oils. 2,250,915; July 29.

Kraemer, Waldo L., Brooklyn, N. Y., assignor to Kearfott Engineering Co., Inc. Window construction. 2,251,140; July 29.

Krause, Daniel E. (See Lorig, C. H., and Krause.)

Krauter, Edwin W., Highland Park, Ill. Holder. 2,250,583; July 29.

Kriegstedt, Carl E. O. (See Deaver, R. W., and Kriegstedt.)

Kroeger, John W. (See Bruson, H. A., and Kroeger.)

Kronheim, Jacob, Cleveland Heights, Ohio, assignor to J. C. Lincoln, Scottsdale, Ariz. Wire spring and spring structure. 2,250,486; July 29.

Krueger, Herman F., Los Angeles, Calif. Inkstand. 2,250,804; July 29.

Krueger, John L. (See Krueger, Robert F. and J. L.)

Krueger, Robert F. and J. L., Detroit, Mich. Power drive for tools. 2,250,584; July 29.

Krumsiek, Ernest, F. Kileen, and E. M. Reedy, assignors to Mueller Co., Decatur, Ill. Shower head. 2,251,192; July 29.

Kubenic, Karol, Dearborn, Mich. Metal shears. 2,250,638; July 29.

Kuhn, Ernst. (See Kallmann, Hartmut I.)

Kump, Henry, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Sliding door latch. 2,250,585; July 29.

Kurkjian, Yervant H., Hawthorne, N. J. Animal trap. 2,250,639; July 29.

Kusche, Walter, Berlin-Steglitz, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Telephone system. 2,250,770; July 29.

La Belle, Maurice J., Sr., Utica, N. Y. Antiglass shadow shield for automobiles. 2,251,193; July 29.

La Bour, Harry E., Elkhart, Ind. Centrifugal pump. 2,250,714; July 29.

La Franca, Salvatore, New York, N. Y. Tobacco pipe. 2,250,994; July 29.

Lamond, Robert C., assignor to American Engineering Company, Philadelphia, Pa. Control mechanism for winches. 2,250,586; July 29.

Landenberger, Henry W., assignor to American Engineering Company, Philadelphia, Pa. Hydraulic control device. 2,250,539; July 29.

Landers, Raymond H., Gillette, Wyo. Pipe clamp. 2,250,836; July 29.

Landsky, David, New York, N. Y. Folding coin receiver and display device. 2,250,995; July 29.

Lannen, Joseph P., Detroit, Mich. Universal level. 2,250,771; July 29.

Lanphere, Clive W., Ridgewood, N. J. Automatic transmission. 2,251,213; July 29.

Lanphere, Clive W., Ridgewood, N. J. Automatic pneumatic transmission. 2,251,257; July 29.

Larson, Albert G., Larkspur, assignor, by mesne assignments, to MacDonald Hardware Manufacturing Company, San Francisco, Calif. Multiple window sash construction. 2,251,251; July 29.

Larson, Ernest E., Inglewood, Calif. Signal. 2,250,587; July 29.

Lau, William A., Jasper, Ind. Tumbler rinser. 2,251,059; July 29.

Lauer, William N., and W. A. Hoch, Forest Hills, assignors to New York Pressing Iron Co. Inc., New York, N. Y. Garment-pressing machine. 2,250,715; July 29.

Lay, Mae C., executor, et al. (See Ernst, Charles K.)

Le Blond, R. K., Machine Tool Company, The. (See Groene, Willard L., assignor.)

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Luning, assignors.)

Le Blond, R. K., Machine Tool Company, The. (See Groene, W. F., and Meyer, assignors.)

Le Blond, R. K., Machine Tool Company, The. (See Le Blond, Richard K., assignor.)

Le Blond, Richard K., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Position indicating means for tailstocks. 2,250,640; July 29.

Leeds, Winthrop M. (See Baker, B. P., and Leeds.)

Legatski, Harold R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating vapors. 2,250,716; July 29.

Lehman, Albert W., Jr., assignor to The Lehman Company of America, Inc., Cannelton, Ind. Attachment for rockers. 2,251,141; July 29.

Lehman Company of America, The. (See Lehman, Albert W., Jr., assignor.)

Lehmann, J. M. (See Nestmann, Fritz, assignor.)

Leister, Fayette, Detroit, Mich., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing. 2,251,228; July 29.

Leland, Ragnvald G., New York, N. Y. Hair curler. 2,251,060; July 29.

Leland Stanford University, The Board of Trustees of The. (See Varian, R. H., and Hansen, assignors.)

Lessmann, Gerhard P., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tensioning device. 2,250,540; July 29.

Lessmann, Gerhard P., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tensioning device. 2,250,541; July 29.

Lewinski, George, assignor, by mesne assignments, to The Hettrick Manufacturing Company, Toledo, Ohio. Bicycle. 2,250,805; July 29.

Lewis Engineering Company, The. (See Johnson, Manfred J., assignor.)

Lewis, Frederick F. (See Strom, E. B., and Lewis.)

Lidgerwood Manufacturing Company. (See Benson, Melvin B., assignor.)

Lieber, Eugene. (See Mikeska, Louis A., and Lieber.)

Lindsten, Wilbur L. (See Wesley, W. F, assignor and Lofbach.)

Lincoln, John C. (See Kronheim, Jacob, assignor.)

Lindsay, Robert M., Oak Park, assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Wheel assembly. 2,251,142; July 29.

Lindwurm, Leopold, Berlin, and W. Thouret, Berlin-Wilmersdorf, Germany, assignors to General Electric Company. Hermetic seal. 2,251,062; July 29.

Lippincott, Samuel B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Alkylamine salts of methazonic acid. 2,251,229; July 29.

Little, Thrasher C., Los Angeles, Calif. Resilient water table. 2,251,061; July 29.

Little, Webster W., National Park, N. J., assignor of twenty-five per cent to S. M. Ives, New York, N. Y. Resilient wheel. 2,251,063; July 29.
Livingston, Orrin W., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuits. 2,250,961; July 29.
Loder, Donald J., W. F. Gresham, and D. B. Killian, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction of formals with glycolic acid and resulting product. 2,250,487; July 29.
Lodge, Alvin, assignor to Hamilton Watch Company, Lancaster, Pa. Machine and method for forming projections on metal stock. 2,250,542; July 29.
Loeffler, Bruno, Plainfield, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Clutch. 2,251,143; July 29.
Lofback, Maynard H. (See Wesley, W. F., and Lofback.)
Logue, Leland H., assignor to Mining Process and Patent Company, Denver, Colo. Transmission drive. 2,250,806; July 29.
Lombardi Knitting Machine Co. (See Lombardi, Vincent, assignor.)
Lombardi, Vincent, Garden City, assignor to Lombardi Knitting Machine Co., Inc., New York, N. Y. Knitted fabric. 2,250,588; July 29.
Long, James W., Plainfield, and G. I. Roberts, Cresskill, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph apparatus. 2,250,717; July 29.
Longfellow, Dwight W., assignor to Elk River Concrete Products Company, Elk River, Minn. Paving block and pavement. 2,250,890; July 29.
Lookabaugh, Edwin M., Stillwater, Okla. Football shoulder pad. 2,251,018; July 29.
Lo Piccolo, Dominic J., Brooklyn, N. Y. Cutting device. 2,250,559; July 29.
Lorig, Clarence H., and D. E. Krause, assignors to Battelle Memorial Institute, Columbus, Ohio. Cast iron and producing chilled surfaces thereon. 2,250,488; July 29.
Lorig, Clarence H., and D. E. Krause, assignors to Battelle Memorial Institute, Columbus, Ohio. Producing chilled surfaces on cast iron. 2,250,489; July 29.
Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Battery dumping mechanism. 2,250,490; July 29.
Lougee, John M. (See Bradshaw, R., and Lougee.)
Lovell, Stanley P., Newtonville, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H. Air filter material for vacuum cleaners and the like. 2,251,252; July 29.
Luis, James. (See Pickens, S., and Fauver, assignors.)
Sullivan Machinery Company. (See Curtis John C., assignor.)
Lumbert, William J., Scituate, Mass., assignor to Johns-Manville Corporation, New York, N. Y. Well screen. 2,250,871; July 29.
Lummus Company, The. (See Mekler, V., and Schutte, assignors.)
Lunger, Wilbur E., and H. H. Pancake, Huntington, W. Va., assignors to American Car and Foundry Company, New York, N. Y. Mine car. 2,250,590; July 29.
Luning, George W. (See Groone, W. F., and Luning.)
Lunney, Henry J., Los Angeles, assignor of one-half to L. C. Spangard, Santa Monica, Calif. Abdominal supporter. 2,250,807; July 29.
Lurrain, Nathaniel M., New York, N. Y. Frame construction. 2,250,491; July 29.
Lynch, George C., Los Angeles, Calif. Collapsible bookholder. 2,250,808; July 29.
Lysholm, Alf, Stockholm, and E. O. Eriksson, Lidingo, assignors to Aktiebolagent Ljungströms Angturbin, Stockholm, Sweden. Self-propeller rail vehicle. 2,250,643; July 29.
Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Production of decorative glass. 2,251,144; July 29.
MacAndrews & Forbes Company. (See Piquet, Henry W., assignor.)
MacDonald Hardware Manufacturing Company. (See Larson, Albert G., assignor.)
Machinist, Harold, assignor to Dudley Lock Corporation, Chicago, Ill. Key and combination operated lock. 2,251,145; July 29.
Machinist, Harold, assignor to Dudley Lock Corporation, Chicago, Ill. Key operated reset for combination locks. 2,251,146; July 29.
Mack Manufacturing Corporation. (See Loeffler, Bruno, assignor.)
Maddock, Robert H., Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio. Metal blank and blanking. 2,250,641; July 29.
Magruder, Gilbert A., assignor to Automatic Instrument Company, Grand Rapids, Mich. Robot lip action. 2,250,916; July 29.
Makely, Ralph G., West New Brighton, assignor to The Superheater Company, New York, N. Y. Oil separating apparatus. 2,250,872; July 29.
Malcom, Robert, Chicago, Ill. Protective eyepiece. 2,251,194; July 29.
Malmsten, Robert C. (See York, C. F., and Malmsten.)
Mangham, Parker G., Oklahoma City, Okla. Transfer elevator for sucker rods. 2,250,642; July 29.
Manierre, George, Milwaukee, Wis. Loading conveyer. 2,250,933; July 29.
Mann, Miles H., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,251,147; July 29.
Mannhart, Emil. (See Straub, F., and Mannhart.)
Manning, Maxwell & Moore, Incorporated. (See Hammond, Elmer H., assignor.)
Mariani, Frank N., New York, N. Y. Pipe. 2,250,643; July 29.
Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Pregnandiols and obtaining them. 2,250,962; July 29.
Markia Corporation. (See Goldmark, Peter C., assignor.)
Markle, George B., Jr., Hazleton, Pa. Arbor for spools or the like. 2,250,675; July 29.
Marlin Firearms Company, The. (See Ekdahl, Carl E., assignor.)
Marshall, Donald E. (See Poole, R. S., and Marshall.)
Marshall & Ilsley Bank. (See Hanson, Roy E., assignor.)
Martin, Albert D., Jr., Arlington, Va., and F. T. Houghton, Philadelphia, Pa. Automatic device for adjusting tuned circuits. 2,251,064; July 29.
Martin, Glen. (See Ruegg, A. J., and Martin.)
Martin, John F., and W. D. Crocker, assignors to American Bosch Corporation, Springfield, Mass. Engine driving mechanism for magnetos. 2,250,809; July 29.
Martin, Lyle I., assignor to Morden Frog & Crossing Works, Chicago, Ill. Rail brace. 2,250,891; July 29.
Masland, Walter B., Millburn, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Combiner flashlight and bulb remover. 2,251,148; July 29.
Mawha, James K., Pittsburgh, assignor to John M. Hopwood, Dormont, Pa. Combustion control system. 2,251,019; July 29.
May, John C., Chicago, Ill., assignor to Alco-Gravure Division of Publication Corporation, New York, N. Y. Forming photographic plates. 2,250,873; July 29.
Mayer, Harry F., Schenectady, N. Y., assignor to General Electric Company. Apparatus for controlling the apparent resistance of amplifier anodes. 2,250,996; July 29.
Mazer, Alfred, Newark, Ohio. Teakettle. 2,250,892; July 29.
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Railway hopper car outlet. 2,250,591; July 29.
McBride, John J., Bayonne, and V. Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Railway hopper car outlet. 2,250,592; July 29.
McBurney, Dorman, Newburgh, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Diaphragm for fuel pumps. 2,250,674; July 29.
McCabe, Charles P. (See Smith, C., and McCabe.)
McCall, Robert L., Winfield, Kans. Heater. 2,250,893; July 29.
McCarthy, Henry J., Danvers, assignor to Hygrade Sylvania Corporation, Salem, Mass. Thermionic discharge tube system. 2,250,874; July 29.
McCloud, Effie E., Cleveland, Ohio. Dressmaking appliance. 2,250,718; July 29.
McConnell, Edwin J., Hagaman, assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Package. 2,250,875; July 29.
McCray, Harley E. (See Gibson, O. E., and McCray.)
McElyea, R. W., et al. (See Crow, Lester A., assignor.)
McIlarque, James P. (See Hoeckendorf, Harry R., assignor.)
McKahin, John D., Le Crosse, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Planter. 2,250,719; July 29.
McWethy, Arthur L. (See Gratcyk, S. A., McWethy, Russell, and Elbink.)
Meadowcraft, Joseph W., and C. Scull, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Welding electrode. 2,250,645; July 29.
Meginniss, Francis R., Albany, N. Y. Lamp and socket therefor. 2,250,644; July 29.
Mekler, Valentine, Jackson Heights, and A. H. Schutte, Tuckahoe, assignors to The Lummus Company, New York, N. Y. Coking apparatus. 2,251,242; July 29.
Merckel, Frederick G., Montclair, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Purifying water and treating liquids. 2,251,149; July 29.
Merkel, William H., Independence, Mo., assignor to Consolidated Mining & Reduction Company, Boulder, Colo. Continuous ore converter. 2,251,150; July 29.
Merolle, Augustus L., assignor to Empire Metal Cap Co., Inc., Brooklyn, N. Y. Receptacle closure. 2,250,544; July 29.
Mesnel, Pierre, Colombes, France. Method and machine for cutting openings in metal ribbons or the like. 2,250,593; July 29.
Metal Specialties Manufacturing Co. (See Lindsay, Robert M., assignor.)
Metal Textile Corporation. (See Goodloe, Alfred M., assignor.)
Metsch, Fred, Cleveland, Ohio. Strainer. 2,250,646; July 29.
Metter, Ulric W., Oxnard, Calif. Fly trap and killer. 2,250,894; July 29.

Meunier, Marcel, Levallois-Perret, France. Dust guard for journal bearings. 2,251,195; July 29.
Meyer, Adolph F., Minneapolis, Minn. Liquid level indicator. 2,250,676; July 29.
Meyer, Siegfried, Berlin, Germany. Receptacle particularly adapted for carrying articles of clothing. 2,250,547; July 29.
Meyer, Walter R. (See Groene, W. F., and Meyer.)
Michell, Anthony G. M., and A. J. Seggel, Melbourne, New South Wales, Australia. Bearing. 2,250,546; July 29.
Mikeska, Louis A., Westfield, and E. Lieber, Linden, N. J., assignors to Standard Oil Development Company. Lubricating composition. 2,250,545; July 29.
Miller, Albert W., Jamaica, N. Y. Clamping connection. 2,251,253; July 29.
Minton, Gerald Z. (See Black, L. V., and Minton.)
Mistro, Victor, Chicago, Ill. Amplifying system. 2,251,151; July 29.
Mitchell, August, Middlebury, assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Adjustable holder for lipsticks and the like. 2,250,876; July 29.
Michell-Crankless Engines Corporation. (See Sherman, Thomas L., assignor.)
Midland Steel Products Company, The. (See Maddock, Robert H., assignor.)
Miller, Carl F., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Shielded radio tube and the like. 2,250,647; July 29.
Miller, Lauritz N., Eugene, Oreg. Supercharged two-cycle engine. 2,250,492; July 29.
Miller, Nicholas, Berwyn, assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill. Timing device. 2,250,997; July 29.
Milne, George M., Detroit, Mich. Foot and leg exercising device. 2,250,493; July 29.
Miller, Albert W., Jamaica, N. Y. Coupling. 2,250,495; July 29.
Miner, W. H., Inc. (See Dwyer, William M., assignor.)
Mining Process and Patent Company. (See Logue, Leland H., assignor.)
Modern Products, Inc. (See Iseman, John W., assignor.)
Mohawk Carpet Mills, Inc. (See McConnell, Edwin J., assignor.)
Möller, Rolf, Klein Machnow, and W. Hartmann, Zehlendorf, near Berlin, assignors to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany. Image storage tube. 2,250,721; July 29.
Monarch Marking System Company. (See Kohnle, Frederick, assignor.)
Monroe Calculating Machine Company. (See Brown, Lee R., assignor.)
Monsanto Chemical Company. (See Riddle, Herbert S., assignor.)
Moore, Walter V. (See Thompson, W. S., and Moore.)
Morden Frog & Crossing Works. (See Martin, Lyle I., assignor.)
Morgan Construction Company. (See Blodgett, Albert G., assignor.)
Morris, Herman M., St. Louis, Mo. Polishing machine. 2,250,720; July 29.
Mortensen, Sören H., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Winding for electrical apparatus. 2,251,152; July 29.
Morton, Henry E., Muskegon Heights, Mich. Cutting machine. 2,250,594; July 29.
Morton, Henry E., Muskegon Heights, Mich. Cutting machine. 2,250,595; July 29.
Motor Products Corporation. (See Kellogg, Homer G., assignor.)
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens and making same. 2,250,597; July 29.
Mountjoy, Garrard, Manhasset, N. Y., assignor to Radio Corporation of America. Receiver output control circuit. 2,250,596; July 29.
Mueller Co. (See Krumsiek, E., Kileen, and Reedy, assignors.)
Mueller, Hans, Heidenheim-on-the-Brenz, Germany, and E. Schneider, Vienna, Austria, assignors to Voith-Schneider Propeller Company, New York, N. Y. Blade wheel. 2,250,772; July 29.
Muller, George W., Miami, Fla. Holding clip for tie plate and rails. 2,251,196; July 29.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,250,837; July 29.
Munschauer, Frederick E., assignor to Niagara Machine and Tool Works, Buffalo, N. Y. Shear. 2,251,153; July 29.
Murphy, Daniel, New Castle, Pa. Bearing and seal. 2,251,020; July 29.
Murray Corporation of America, The. (See Clark, Noble C., assignor.)
Murray Corporation of America. (See Freeman, Lowell C., assignor.)
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Murray Corporation of America, The. (See Shanahan, Frank M., assignor.)
Mutscheller, Arthur, New York, N. Y. X-ray tube. 2,250,963; July 29.
Narberes, Rene J., Concord, and F. Derbenwick, Martinez, assignors to Shell Development Company, San Francisco, Calif. Wax suppressor. 2,250,998; July 29.
Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)
National Company. (See Smith, Graydon, assignor.)
National Machinery Company, The. (See Friedman, John H., assignor.)
National Malleable and Steel Castings Company. (See Bucklus, Albert O., assignor.)
Nauclér, Johan O. (See Persson, R. A., and Nauclér.)
Nebergall, Lawrence E., Ottawa, Ill. Hour hand device. 2,251,021; July 29.
Neeteson, Pieter A., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Negative feedback amplifier. 2,250,598; July 29.
Neher, Leroy P., assignor to Neher-Whitehead & Company. St. Louis, Mo. Folded bottle collar. 2,251,022; July 29.
Neher-Whitehead & Company. (See Neher, Leroy P., assignor.)
Nenninger, Lester F., Cincinnati, and E. G. Roehm, Norwood, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Multiple stroke broaching machine. 2,251,154; July 29.
Neocell Products Corporation. (See Boecler, A., and Bratring, assignors.)
Neocell Products Corporation. (See Bratring, Kurt, assignor.)
Ness, William H. C., Los Angeles, Calif. Roof flashing 2,250,548; July 29.
Nester, Samuel K., Geneva, N. Y., assignor to Geneva Processes, Inc. Mixing device. 2,250,838; July 29.
Nestmann, Fritz, assignor to the firm of J. M. Lehmann, Dresden, Germany. Conveyer for chocolate products. 2,251,197; July 29.
Neuhaus, Gustav, Essen-Stadtwald, Germany, assignor to Askania-Werke A. G. Computing device. 2,251,155; July 29.
New Era Manufacturing Company. (See Paulsen, Christian, assignor.)
New York Air Brake Company, The. (See Safford, Lewis A., assignor.)
New York Pressing Iron Co. Inc. (See Lauer, W. N., and Hoch, assignors.)
Niagara Machine and Tool Works. (See Munschauer, Frederick E., assignor.)
Nichols, Richard D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Liquid depth sampling device and obtaining samples. 2,250,722; July 29.
Nopper, Edward J. (See Thomas, H., Pearson, and Nopper.)
Nordmeyer, William F., Lockland, Ohio. Carrier assorting and transfer device. 2,250,810; July 29.
Novi Equipment Company. (See Adler, Herman G., assignor.)
Novel Slide Manufacturing Corporation. (See Kay, Ralph, assignor.)
Novi Equipment Company. (See Adler, Herman G., assignor.)
Null, Ralph G. (See Iknayan, A. N., and Null.)
Nyberg, Stone, Dover, and H. C. Cappel, New Philadelphia, Ohio, assignors to Agnes J. Reeves Greer, Morgantown, W. Va. Mandrel and pickling machines. 2,250,494; July 29.
Nygaard, Edwin M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Diesel fuel. 2,251,156; July 29.
Nygaard, Edwin M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Diesel fuel. 2,251,157; July 29.
Ogrodowy, Oskar, Biesdorf-Nord, Germany, assignor to General Electric Company. Transfer and orienting mechanism. 2,251,158; July 29.
Ohanneson, Aram P. (See Gardner, Charles J., assignor.)
Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System and production of electromagnetic waves. 2,250,934; July 29.
Okonite Company, The. (See Gangloff, Thomas W., assignor.)
Omer, Harry F., Kansas City, Kans. Belt connector. 2,250,549; July 29.
Oneal, Frank E., Joliet, Ill. Typewriter support. 2,251,198; July 29.
Oneida Paper Products, Inc. (See Bischoff, Ludwig, assignor.)
Orr, John A., Chicago, Ill. Grass cutter. 2,251,023; July 29.
Orr, Matthew. (See Hunt, Harry J., assignor.)
Ortensi, Ennio, Bergamo, Italy, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,250,599; July 29.
Otis Elevator Company. (See Bertelsen, V., Anderson, and Spriggs, assignors.)
Overbagh and Ayres Manufacturing Company. (See Overbagh, William F., assignor.)
Overbagh, William F., Wilmette, assignor to Overbagh and Ayres Manufacturing Company, Chicago, Ill. Lighting unit. 2,251,024; July 29.

Overton, Glen, Dowagiac, Mich. Drying apparatus and method of drying. 2,250,773; July 29.
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Process and apparatus for bending and tempering glass sheets. 2,251,159; July 29.
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for casehardening glass plates. 2,251,160; July 29.
Owens-Illinois Glass Company. (See Allen, Russell G., assignor.)
Owens, Robert D. J., Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Safety blasting explosive. 2,250,935; July 29.
Oxides, Inc. (See Ferguson, Allan W., assignor.)
Package Machinery Company. (See Smith, E. L., and Cornock, assignors.)
Packer, Clifford I., and E. H. Kammerer, assignors to The Packer Machine Company, Meriden, Conn. Compound applicator for buffing machines. 2,251,161; July 29.
Packer Machine Company, The. (See Packer, C. I., and Kammerer, assignors.)
Page, Marshall H. (See Cristofoli, Lodovico, assignor.)
Pancake, Herman H. (See Lunger, W. E., and Pancake.)
Pancake, Herman H., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Spring bumper and draft gear. 2,250,600; July 29.
Pancake, Herman H., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 2,250,601; July 29.
Pangborn Corporation. (See Rosenberger, William A., assignor.)
Parke, Davis & Company. (See Marker, Russell E., assignor.)
Parkersburg Rig & Reel Co., The. (See de la Mater, Robert G., assignor.)
Parsons, Frank H. (See Ahlstrom, W. M., Tischler, and Parsons.)
Pasternack, Richard, Brooklyn, and E. V. Brown, Jamaica, assignors to Charles Pfizer & Company, Brooklyn, N. Y. Acylated N-aryl glucamines. 2,250,999; July 29.
Patterson, James R. (See Zahn, E. A., and Patterson.)
Paulsen, Christian, Clifton, assignor to New Era Manufacturing Company, Paterson, N. J. Feed mechanism for printing presses. 2,250,677; July 29.
Payne, Walter B., assignor to The Todd Company, Inc., Rochester, N. Y. Signal and locking means for printing apparatus. 2,251,162; July 29.
Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Corrosion resistant alloy. 2,251,163; July 29.
Pearce, Edwin S., Indianapolis, Ind. Journal box lubricating equipment. 2,250,811; July 29.
Pearson, John M. (See Thomas, H., Pearson, and Nopper.)
Peremi, Edmund, and L. Toth, Manhasset, N. Y. Window construction. 2,250,723; July 29.
Perosa Corporation. (See Adamoli, Carlo, assignor.)
Perrin, Frederick J., Prophetstown, Ill. Belt and control assembly for artificial limbs. 2,251,065; July 29.
Perry, Bernard F., Rochester, N. Y. Adjustable curb form. 2,250,839; July 29.
Pershall, Ralph H., Bremerton, assignor to Sanicut Mfg. Co., Port Orchard, Wash. Dispensing device. 2,251,164; July 29.
Persson, Ruben A., Hedemora, and J. O. Nauclér, Stockholm, Sweden. Heat exchange apparatus. 2,251,066; July 29.
Peterson, Harold O., and R. L. Hollingsworth, Riverhead, N. Y., assignors to Radio Corporation of America. Interference suppressor for radio receivers. 2,250,550; July 29.
Petrone, James, assignor to Stanley Home Products, Inc., Westfield, Mass. Brush making machine. 2,250,812; July 29.
Pfauser, Edward M., Elm Grove, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Pump for hydraulic jacks. 2,250,551; July 29.
Pfizer, Charles, & Company. (See Pasternack, R., and Brown, assignors.)
Philipp, Lawrence A., assignor to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,250,648; July 29.
Phillips Petroleum Company. (See Crites, W. J., and Rodgers, assignors.)
Phillips Petroleum Company. (See Hudson, T. B., and Gerber, assignors.)
Phillips Petroleum Company. (See Legatski, Harold R., assignor.)
Picher, Hermann. (See Eisenbrand, J., and Picher.)
Pickens, Scott, Portland, and R. L. Fauver, Klamath Falls, Oreg., assignors of one-fourth to J. Luis. Stripping blade. 2,250,651; July 29.
Pierce, Paul W., Altadena, Calif. Honey uncapping knife. 2,250,602; July 29.
Pierson, Benjamin J., Johnstown, assignor, by mesne assignments, to Formrite Bacon Press Corporation, Colonie, West Albany, N. Y. Press. 2,250,649; July 29.
Piller, John F., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Adhesive tape dispenser. 2,250,774; July 29.
Pintér, Ákos, Budapest, Hungary. Production of tin oxide. 2,250,552; July 29.
Piquet, Henry W., Moorestown, assignor to MacAndrews & Forbes Company, Camden, N. J. Compensating mechanism. 2,251,199; July 29.
Pirani, Marcello. (See Gaidies, G., and Pirani, assignors.)
Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation, Rolling center bolster. 2,250,650; July 29.
Pischinger, Anton, assignor to Klöchner-Humboldt-Deutz, Aktiengesellschaft, Cologne-Deutz, Germany. Fuel injector for internal combustion engines. 2,250,877; July 29.
Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,251,165; July 29.
Pittsburgh Equitable Meter Company. (See Sacknus, Herbert F., assignor.)
Pittsburgh Plate Glass Company. (See Black, L. V., and Minton, assignors.)
Pittsburgh Plate Glass Company. (See Currie, Kent D., assignor.)
Pittsburgh Plate Glass Company. (See Haux, Elmer H., assignor.)
Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Plum, William T. (See Van Dyke, S. D., and Plum.)
Pohle, Herman, Greenwich, Conn. Can opener. 2,251,200; July 29.
Pomeranz, Edward, Washington, D. C. Throat collar. 2,250,840; July 29.
Ronnick, Albert J., Hartford, Conn. Crank handle. 2,251,168; July 29.
Poole, Richard S. (See Swan, E. T., and Poole.)
Poole, Richard S., and D. E. Marshall, assignors to Kellogg Company, Battle Creek, Mich. Carton-filling machine. 2,250,603; July 29.
Poor, Tom W., Olathe, and J. E. and H. T. Kisinger, Stilwell, Kans. Tractor jack. 2,250,964; July 29.
Poorman, Joel S., and R. H. Greegor, assignors to The Kinnear Manufacturing Company, Columbus, Ohio. Rolling door with releasable guide groove. 2,250,604; July 29.
Pope-Brooks Foundation, Inc., The. (See Sperry, Holland R., assignor.)
Pope, Donald R., et al. (See Russell, Joseph L., assignor.)
Postlethwaite, Frank, Farnborough, England, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn. Pressure measuring device. 2,250,496; July 29.
Precision Thermometer & Instrument Company. (See Tauscher, Alfred, assignor.)
Preis, Elizabeth J., executrix. (See Preis, Hans P.)
Preis, Hans P., Irvington, N. J., deceased; E. J. Preis, executrix. Engraving machine pattern and copy character therefor. 2,251,166; July 29.
Premo, Owen D., Muskegon Heights, Mich. Drawer slide for cabinets. 2,250,895; July 29.
Price, Edmund T., San Diego, Calif. Toilet. 2,250,562; July 29.
Pritz, Peter G., Philadelphia, Pa. Stabilizer for elevatable platforms. 2,250,965; July 29.
Probst, Karl K., assignors to K. K. Probst and J. H. Shoemaker, as joint trustees for Probst-Shoemaker-Merrill Company, Detroit, Mich. Steering gear. 2,251,167; July 29.
Probst-Shoemaker-Merrill Company. (See Probst, Karl K., assignor.)
Propernick, August A., and W. F. Allenby, Bridgeport, Conn., assignors to General Electric Company. Cooking apparatus. 2,250,966; July 29.
Prosperity Company, The. (See Wiegman, Floyd A., assignor.)
Pullman-Standard Car Manufacturing Company. (See Svendsen, Sami R., assignor.)
Purtell, William A., West Hartford, Conn., assignor to The Holo-Krome Screw Corporation. Method of and apparatus for making drive pins. 2,251,201; July 29.
Purtell, William A., West Hartford, Conn., assignor to The Holo-Krome Screw Corporation. Drive pin. 2,251,202; July 29.
Pyzel, Frederic M., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Purifying gases. 2,251,000; July 29.
Quaker Manufacturing Company. (See Howard, D. J., and Johnson, assignors.)
Quam, James P., assignor to Quam-Nichols Company, Chicago, Ill. Loud-speaker and driving motor therefor. 2,251,001; July 29.
Quam-Nichols Company. (See Quam, James P., assignor.)

Quaranti, Philip, Bronx, N. Y. Shampoo brush. 2,250,878; July 29.
Quinn, Edward, Malden, Mass., assignor to The Del-Mac Shoe Process Corporation, New York, N. Y. Machine for mounting shoes on lasts. 2,250,678; July 29.
Rabinowitz, Jacob, Brooklyn, N. Y. Apparatus for reproducing sound on film. 2,250,724; July 29.
Radio Corporation of America. (See Albricht, Wilhelm, assignor.)
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Finch, James L., assignor.)
Radio Corporation of America. (See Foster, Dudley E., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Horowitz, A., van Lammeren, and Knös, assignors.)
Radio Corporation of America. (See Mountjoy, Garrard, assignor.)
Radio Corporation of America. (See Neeteson, Pieter A., assignor.)
Radio Corporation of America. (See Peterson, H. O., and Hollingsworth, assignors.)
Radio Corporation of America. (See Rinia, Herre, assignor.)
Radio Corporation of America. (See Unk, Jacob M., assignor.)
Radio Corporation of America. (See v. Ingen Schenau, Bernardus W., assignor.)
Radio Corporation of America. (See Wiegerinck, H. T. J., and Vossen, assignors.)
Radio Corporation of America. (See Wolf, Menno, assignor.)
Ragsdale, Earl J. W., Norristown, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Subway rail car. 2,251,230; July 29.
Railway Utility Company. (See Willer, Nicholas L., assignor.)
Ramsay, Walter J., Benoni, Transvaal, Union of South Africa. Apparatus for cooling liquids. 2,251,203; July 29.
Randall, Roy, Aspen, Colo. Battery post connection. 2,250,841; July 29.
Randall, Walter H., Waterville, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association of the United States of America, as trustee. Pulp molding. 2,251,243; July 29.
Ransom, Willard G., Homewood, Kans. Brake mechanism. 2,250,725; July 29.
Ray, Eugene J., Bevely, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Skiving machine. 2,250,497; July 29.
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Skiving machine. 2,250,498; July 29.
Rea, Philip M., Oklahoma City, Okla. Hermetically sealing fluid pressure. 2,250,813; July 29.
Reade, Ralph W. B. (See Cumfer, Donald A., assignor.)
Real Silk Hosiery Mills, Inc. (See Desmonds, Albert X., assignor.)
Reece Button Hole Machine Company, The. (See Avis, Samuel W., assignor.)
Reed, C. A., Company. (See Jopson, William G., assignor.)
Reedy, Emmett M. (See Krumsick, E., Kileen, and Reedy.)
Reid, John D., Mount Healthy, assignor to The Crosley Corporation, Cincinnati, Ohio. Sound reproduction. 2,251,204; July 29.
Renault, Louis. (See Saives, Léon, assignor.)
Rendulich, Mile, Weirton, W. Va. Shade and curtain bracket holder. 2,251,007; July 29.
Revel, Maurice, assignor to Societe des Tuyaux Bonna, Paris, France. Apparatus for winding wire around a body of revolution. 2,251,205; July 29.
Rice, Chester W., Schenectady, and W. C. Hahn, Scotia, N. Y., assignors to General Electric Company. Short wave radio transmitter. 2,251,002; July 29.
Rice, William A., Riverside, Calif. Apparatus for developing wells. 2,250,775; July 29.
Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,251,003; July 29.
Rich, Theodore A., Schenectady, N. Y., and L. R. Runaldue, Pittsfield, Mass., assignors to General Electric Company. Thermal voltage responsive relay. 2,251,004; July 29.
Riddle, Herbert S., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing tubular articles. 2,250,967; July 29.
Rider, Ernest G., Philadelphia, assignor to Stokes and Smith Company, Summerdale, Pa. Form lifter for box wrapping mechanism. 2,250,917; July 29.
Rieger, Wilhelm, Kassel-Wilhelmshohe, Germany, assignor to The Superheater Company, New York, N. Y. Making return bends. 2,250,879; July 29.
Riendeau, Emile, Montreal, Quebec, Canada. Measuring device. 2,250,968; July 29.
Rinia, Herre, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Receiver with automatic tuning. 2,251,068; July 29
Roberts, George I. (See Long, J. W., and Roberts.)
Roberts, Samuel T., Southgate, London, England. Protection of metal articles against corrosion by coating by electrodeposition. 2,250,842; July 29.
Robinson, Roger T., Huntington Park, Calif. Electrotiytic deposit of tin. 2,250,843; July 29.
Rockwell, Samuel F., Jr., assignor to Davis & Furber Machine Company, North Andover, Mass. Carding apparatus. 2,250,499; July 29.
Rodgers, William C. (See Crites, W. J., and Rodgers.)
Roede, Charles B. (See Jones, G. L., and Roede.)
Roehm, Erwin G. (See Nenninger, L. F., and Roehm.)
Roettger, Ervin F., Richmond, Va., assignor to Combustion Engineering Company, Inc., New York, N. Y. Centrifugal fan. 2,250,844; July 29.
Rohlin, Karl W., Dover, Del. Internal combustion engine of the multicylinder type. 2,250,814; July 29.
Röhm & Haas Company. (See Bruson, H. A., and Kroeger, assignors.)
Röhm & Haas Company. (See Kautter, Carl T., assignor.)
Röhm & Haas Company. (See Kautter, C. T., and Feuerstein, assignors.)
Roos, Carlisle K., Wheaton, assignor to United States Gypsum Company, Chicago, Ill. Coating apparatus for rigid building elements. 2,250,918; July 29.
Rosenberger, William A., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,250,500; July 29.
Rosenberger, William A., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,251,233; July 29.
Rosenwald, Robert H., and J. A. Chenicek, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,250,501; July 29.
Rubin, Joseph S., Los Angeles, Calif. Tissue holder. 2,250,605; July 29.
Rubinich, Anthony, Hoboken, N. J. Foot pedal propelled vehicle. 2,251,005; July 29.
Ruegg, Albert J. and G. Martin, assignors to Grayson Heat Control, Ltd., Lynwood, Calif. Mixing valve. 2,250,815; July 29.
Runals, William T., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Pump construction 2,251,231; July 29.
Rundell, Rupert E., Rockville Centre, N. Y., assignor to International Cigar Machinery Company. Delivery for tobacco strippers. 2,250,502; July 29.
Rundell, Rupert E., Rockville Centre, N. Y., assignor to American Machine & Foundry Company. Pin removing and guard mechanism for bowling alleys. 2,250,503; July 29.
Runaldue, Lewis R. (See Rich, T. A., and Runaldue.)
Ruskin, Simon L., New York, N. Y. Medicinal preparation. 2,250,553; July 29.
Russell, Joseph L., asignor of one-half to R. E. Russell, Peabody, and one-half to D. R. Pope, Danvers, Mass. Apparatus for use in treating hides, skins, and the like. 2,250,679; July 29.
Russell, Rose E., et al. (See Russell, Joseph L., assignor.)
Russell, Thomas P. (See Gratcyk, S. A., McWethy, Russell, and Elbink.)
Rutrough, Bruce W., Roanoke, Va. Amalgam carrier. 2,251,206; July 29.
Sackner, Wade E., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Upholstery cord. 2,250,776; July 29.
Sacknus, Herbert F., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Disk meter. 2,250,726; July 29.
Safford, Lewis A., Watertown, N. Y., assignor to The New York Air Brake Company. Blank for hose clamps. 2,250,653; July 29.
Sagamor Metal Goods Corporation. (See Karton, Harry, assignor.)
St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Fabric take-up. 2,250,731; July 29.
Saives, Léon, assignor to Louis Renault, Billancourt, France. Vehicle frame. 2,250,654; July 29.
Salerni, Piero M., Maidenhead, Berkshire, England. Pharmaceutical preparation. 2,250,504; July 29.
Salkeld, Charles E. (See Evans, J. G., and Salkeld.)
Sandusky, Julius, Toronto Township, Peel County, Ontario, Canada. Electrolyte level control device for storage batteries. 2,250,817; July 29.
Sanford, Roy S. (See Kliesrath, V. W., and Sanford.)
Sanicut Mfg. Co. (See Pershall, Ralph H., assignor.)
Savage, Edward S., Rochester, N. Y. Wheeled figure toy. 2,251,006; July 29.
Savedoff, Morris M., Brooklyn, N. Y. Spraying apparatus. 2,250,783; July 29.
Sayre, Harold W. (See Workman, T. E., and Sayre.)
Schaffer, Walter A., Chicago, Ill. Eraser cleaning apparatus. 2,251,069; July 29.
Schantz, Jacob M., assignor to Hercules Powder Company, Wilmington, Del. Chewing gum. 2,251,070; July 29.
Schjolin, Hans O., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich. Turbodrive and control. 2,250,656; July 29.
Schlage Lock Company. (See Schlage, Walter R., assignor.)
Schlage, Walter R., Burlingame, assignor to Schlage Lock Company, San Francisco, Calif. Door latch. 2,250,727; July 29.

Schlitt, Floyd F., assignor to Lee Wilson Sales Corporation, Cleveland, Ohio. Combustion tube burner. 2,250,680; July 29.
Schneider, Ernst. (See Mueller, H., and Schneider.)
Schneider, Hans P., Ridgewood, assignor to Herman Schwabe, Inc., New York, N. Y. Clicking machine. 2,250,655; July 29.
Schnell, William J., Berwyn, assignor to Electrical Research Laboratories, Inc., Evanston, Ill. Radio receiver. 2,250,936; July 29.
Schock, Gusmer & Co. Inc. (See Schock, Robert C., assignor.)
Schock, Robert C., New Rochelle, assignor to Schock, Gusmer & Co. Inc., Hoboken, N. J. Aerating and cooling wort. 2,250,777; July 29.
Scholl Mfg. Co., The. (See Piller, John F., assignor.)
Schroeder, Ernest R., Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Independent truck assembly for vehicles. 2,250,554; July 29.
Schroeder, Ernest R., Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Drop bottom mine car. 2,250,555; July 29.
Schröter, Karl, Berlin-Lichtenberg, and W. Dawihl, Berlin-Kohlhasenbruck, Germany, assignors to General Electric Company. Machining tool. 2,251,007; July 29.
Schutte, August H. (See Mekler, V., and Schutte.)
Schwabe, Herman, Inc. (See Schneider, Hans P., assignor.)
Schwartz, George L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Adhesive. 2,250,681; July 29.
Schwarzmann, Wolfgang E., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Gap connector in ignition generators. 2,250,682; July 29.
Scott-Paine, Hubert. (See Bull, Victor G., assignor.)
Scott, Walter A., Poughkeepsie, assignor to The De Laval Separator Company, New York, N. Y. Stall cock of milking machines. 2,251,071; July 29.
Scull, Chester. (See Meadowcroft, J. W., and Scull.)
Seal, Voorhees N., assignor to The Frog, Switch & Manufacturing Company, Carlisle, Pa. Dipper tooth. 2,251,169; July 29.
Sears, Roebuck & Co. (See Blu, Marshall A., assignor.)
Seefeld, Georg, Berlin-Lichtenberg, Germany, assignor to General Electric Company. Current responsive instrument. 2,250,969; July 29.
Segal, Samuel, Brooklyn, N. Y. Pocketbook lock. 2,251,207; July 29.
Seggel, August J. (See Michell, A. G. M., and Seggel.)
Sellner, Erich. (See Bauriedel, G., and Sellner.)
Selmi, Luciano G., Detroit, and C. L. Altenburger, Dearborn, assignors to Great Lakes Steel Corporation, Ecorse, Mich. Alloy steel. 2,250,505; July 29.
Seybold, Frederick W., and A. Stobb, Westfield, assignors to American Type Founders, Inc., Elizabeth, N. J. Printing press. 2,250,657; July 29.
Seybold, Frederick W., Westfield, N. J. Automatic transmission. 2,251,170; July 29.
Shanahan, Frank M., assignor to The Murray Corporation of America, Detroit, Mich. Seat construction. 2,251,072; July 29.
Shann, Oscar A., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector. 2,251,073; July 29.
Shaughnessy, Erard J. (See Cullen, E. V., Shaughnessy, and Tupy.)
Sheffield, Donald H., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Terpene ethers and preparation thereof. 2,251,214; July 29.
Shell Development Company. (See Narberes, R. J., and Derbenwick, assignors.)
Shell Development Company. (See Pyzel, Frederic M., assignor.)
Shell Development Company. (See van Dijck, Willem J. D., assignor.)
Shepherdson, Arnold. (See Evans, J. G., and Shepherdson.)
Sherman, Thomas L., New York, N. Y. Pivoted bearing element or slipper pad for crankless mechanisms. 2,250,607; July 29.
Sherman, Thomas L., New York, N. Y. Pivoted bearing element or slipper pad for crankless mechanisms. 2,250,607; July 29.
Sherman, Thomas L., assignor to Michell-Crankless Engines Corporation, New York, N. Y. Power take-off or driving mechanism. 2,250,608; July 29.
Sherrill, James W., McAdenville, assignor of one-half to D. J. Stowe, Belmont, N. C. Apparatus for forming leases in warps. 2,250,728; July 29.
Shields, Robert A. (See Kepner, R. C., and Shields.)
Shils, Lee H., Berwick, and J. B. D. Thompson, Columbia County, Pa., assignors to American Car and Foundry Company, New York, N. Y. Articulated car. 2,250,609; July 29.
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,251,254; July 29.
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,251,255; July 29.
Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)
Shuron Optical Company. (See Jerry, Carl R., assignor.)
Sibley, Floyd J., Detroit, Mich. Making heat exchanger fins. 2,251,074; July 29.
Siemens Brothers & Company, Limited. (See Sutton, George W., assignor.)
Siemens & Halske Aktiengesellschaft. (See Töpfer, Herbert, assignor.)
Sigmon, Dallas L., Hickory, N. C. Combination square. 2,251,208; July 29.
Sillers, Thomas G. A., Wauwatosa, and A. Ernestus, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Circuit breaker. 2,251,171; July 29.
Simons, Morris, Ridgefield, Conn. Wire and wire making. 2,250,610; July 29.
Simplex Time Recorder Co. (See Chandler, Alfred E., assignor.)
Simplex Valve & Meter Company. (See Borden, M. M., and Sweeten, assignors.)
Singer Manufacturing Company, The. (See Abel, George, assignor.)
Singer Manufacturing Company, The. (See Kaier, Richard.)
Singer Manufacturing Company, The. (See Spaine, E. P., and Faulkner, assignors.)
Singer Manufacturing Company, The. (See Zonis, Sydney, assignor.)
Skeel, John W., North Girard, Pa., assignor to The American Fork & Hoe Company, Cleveland, Ohio. Wear compensating means for rail joints. 2,250,880; July 29.
Skelly, James B., Baltimore, Md. Automatic control for heating systems. 2,250,919; July 29.
Slechta, Cyril A., St. Paul, Minn. Acoustic material. 2,250,683; July 29.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,250,970; July 29.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,250,971; July 29.
Smetana, Otto F., Concord, N. C. Yarn carrier for knitting machines. 2,250,972; July 29.
Smith, Caleb, and C. P. McCabe, Seneca Falls, N. Y.; said McCabe, assignor to said Smith. Circular knitting machine. 2,250,658; July 29.
Smith, Earl F., and G. K. Wilson, Muncie, Ind. Receptacle. 2,250,729; July 29.
Smith, Elmer L., Longmeadow, and E. F. Cornock, assignors to Package Machinery Company, Springfield, Mass. Gum breaking machine. 2,251,172; July 29.
Smith, Graydon, Cambridge, assignor to National Company, Inc., Malden, Mass. Radio receiver. 2,251,075; July 29.
Smith, Hannah M. (See Keen, Thomas A., assignor.)
Smith, Percy C., Chicago, Ill. Game apparatus. 2,250,778; July 29.
Smithe, F. L., Machine Co. Inc. (See Williams, Benjamin K., assignor.)
Snyder, Paul, Baltimore, Md. Undergarment. 2,250,506; July 29.
Snyder, Samuel. (See Weaver, James C., assignor.)
Société Anonyme de Manufacturers des Glaces et Produits Chimiques de Saint-Gobain, Chauncy & Cirey. (See Forbes, Lewis J.-B., assignor.)
Societe des Tuyaux Bonna. (See Revel, Maurice, assignor.)
Society of Chemical Industry in Basle. (See Froehlich, J., Stoecklin, and Tobler, assignors.)
Society of Chemical Industry in Basle. (See Straub, F., and Mannhart, assignors.)
Socony-Vacuum Oil Company. (See Nygaard, Edwin M., assignor.)
Solomon, Harry, Brooklyn, assignor of one-half to A. Geisinger, Bronx County, N. Y. Power laundry washer. 2,250,659; July 29.
Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,251,173; July 29.
Sosso, Giulio, Turin, Italy. Sear mechanism. 2,251,174; July 29.
Spangard, Laurence C. (See Lunney, Henry J., assignor.)
Sperry, Holland R., assignor to The Pope-Brooks Foundation, Inc., Avon, Conn. Laying nest. 2,250,818; July 29.
Sperry, Philmore F., Chicago, Ill. Roll film container. 2,251,076; July 29.
Sperry Products, Inc. (See Jones, G. L., and Roede, assignors.)
Sperry-Sun Well Surveying Company. (See Dewees, Leonard S., assignor.)
Spaine, Edward P., Bridgeport, and H. C. Faulkner, Long Hill, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Thread-cutting mechanism for sewing machines. 2,250,973; July 29.
Spriggs, Cecil T. (See Bertelsen, V., Anderson, and Spriggs.)
Stader, Otto, Ardmore, Pa. Bone splint. 2,251,209; July 29.
Standard Oil Development Company. (See Gillespie, Bruce G., assignor.)
Standard Oil Development Company. (See Mikeska, L. A., and Lieber, assignors.)

Stanley, George C., Great Barrington, Mass. Pressure regulator. 2,251,244; July 29.
Stanley Home Products, Inc. (See Petrone, James, assignor.)
Stanton, Edmund C., Bethesda, Md. Optical projection apparatus. 2,250,077; July 29.
Stareck, Jesse E., Oakville, Conn., assignor to United Chromium, Incorporated, New York, N. Y. Electrodeposition of copper and bath therefor. 2,250,556; July 29.
Stefano, Nicholas M., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Pattern controlled multiple drilling machine. 2,250,845; July 29.
Stein, Michael, assignor to the firm "Colorrip" Reissverschluss-Erzeugungs-Gesellschaft m. b. H., Vienna, Germany. Zip fastener. 2,251,078; July 29.
Stewart, Lemuel L. (See Hagerty, A. T., and Stewart.)
Stewart, Louis G., Rutherford, and R. J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Electrical reproducing apparatus. 2,250,730; July 29.
Stewart-Warner Corporation. (See Gschwind, Edmund A., assignor.)
Stobb, Anton. (See Seybold, F. W., and Stobb.)
Stoddard, Edgar S., Berwyn, Ill., assignor to Edison General Electric Appliance Company, Inc. Washing apparatus. 2,250,974; July 29.
Stoecklin, Ernst. (See Froehlich, J., Stoecklin, and Tobler.)
Stokes and Smith Company. (See Rider, Ernest G., assignor.)
Stokesbary, Delbert L., Ferndale, Wash. Front view mirror device. 2,250,896; July 29.
Stone, Spencer A. (See Weber, D. A., and Stone.)
Storkline Furniture Corporation. (See Feldham, Abraham G., assignor.)
Stout, Edward E. (See Weydell, Jarl M., assignor.)
Stowe, Daniel J. (See Sherrill, James W., assignor.)
Strand, Steen. (See Thorp, J. R., and Strand.)
Straub, Fritz, Kaiseraugst, and E. Mannhart, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Derivatives of hydroxy-aza-compounds and preparing same. 2,250,660; July 29.
Strom, Ervin B., Great Falls, and F. F. Lewis, Brady, Mont. Trimming spout. 2,251,079; July 29.
Stromberg, Emil A., Chicago, Ill. Hydrometric tester. 2,250,779; July 29.
Stroup, Charles L., Oak Park, Ill. Earth anchor. 2,250,780; July 29.
Studebaker Corporation, The. (See Feick, Ralph D., assignor.)
Submarine Signal Company. (See Batchelder, Laurence, assignor.)
Submarine Signal Company. (See Turner, Edwin E., Jr., assignor.)
Sullivan, Carl, et al. (See Crow, Lester A., assignor.)
Sullivan, Clarence F., Maricopa County, Ariz. Grass catcher. 2,250,846; July 29.
Sullivan Machinery Company. (See Curtis, John C., assignor.)
Superheater Company, The. (See Griffin, Joseph F., assignor.)
Superheater Company, The. (See Makely, Ralph G., assignor.)
Superheater Company, The. (See Rieger, Wilhelm, assignor.)
Sussman, William S., New York, N. Y. Mechanical brushing device. 2,250,975; July 29.
Sutton, George W., assignor to Siemens Brothers & Company Limited, London, England. Microphone. 2,250,781; July 29.
Svendsen, Sami R., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Pipe supporting arrangement. 2,250,732; July 29.
Svensson, Bror W., Ostersund, Sweden. Ski. 2,250,684; July 29.
Swain, Robert C., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Process and product for removing anions. 2,251,234; July 29.
Swan, Edward T., and R. S. Poole, assignors to Kellogg Company, Battle Creek, Mich. Package gluing machine. 2,250,611; July 29.
Sweeten, Allen W. (See Borden, M. M., and Sweeten.)
Swenson, George E., Hastings-on-Hudson, N. Y., assignor to The Celotex Corporation, Chicago, Ill. Wall flashing. 2,250,733; July 29.
Swift, Claude E. (See Garofalo, R. J., and Swift.)
Sylvia Bank. (See Bank, Albert M., assignor.)
Taber, Arthur P., Minneapolis, Minn. Sewer cartridge. 2,251,080; July 29.
Tangren, Axel E., El Segundo, Calif. Metal shearing machine. 2,250,897; July 29.
Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,250,612; July 29.
Tapic, Louise L., San Francisco, Calif. Cigarette container and belt. 2,250,782; July 29.
Tappe, Wilhelm, Bucharest, Rumania. Fire extinguishing apparatus. 2,251,175; July 29.
Tauscher, Alfred, assignor to Precision Thermometer & Instrument Company, Philadelphia, Pa. Thermometric instrument. 2,250,784; July 29.
Taylor, Arthur W. C., and J. W. Woolcock, Norton-on-Tees, and A. G. Hellicar, Ipswich, England, assignors to Imperial Chemical Industries Limited. Purification of hydroxy-aldehydes and hydroxy-ketones. 2,251,081; July 29.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Franke, E., and Wilhelm, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Geiger, Max, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Heinecke, Curt, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Herz, Friedrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Weber, Heinrich, assignor.)
Temple, Robert, Jr., Pittsburgh, Pa. Terminal and making it. 2,251,176; July 29.
Terry, Donald M. (See Fairweather, B. A., and Terry.)
Theorell, Axell H. T., Stockholm, Sweden. Purification and separation of colloids from contaminating matter. 2,251,082; July 29.
Theorell, Axel H. T., Stockholm, Sweden. Method of and apparatus for separating crystalloids from accompanying substances. 2,251,083; July 29.
Thermo-Vac Corporation. (See Knight, Miltou C., assignor.)
Thomas, Henry, Ridley Park, J. M. Pearson, Swarthmore, and E. J. Nopper, Lansdowne, Pa., assignors, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Cycle timer apparatus. 2,250,507; July 29.
Thomas, Richard, Los Angeles, Calif., assignor to Thomascolor Corporation. Optical system for photography and projection. 2,251,177; July 29.
Thomascolor Corporation. (See Thomas, Richard, assignor.)
Thompson, John B. D. (See Christiansen, J., and Thompson.)
Thompson, John B. D. (See Shils, L. H., and Thompson.)
Thompson, John C., Port Reading, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Electrolytic cell. 2,250,937; July 29.
Thompson, John S., and E. S. Hanson, Detroit, Mich. Treating zinc with organic acids. 2,250,508; July 29.
Thompson, Ralph E., Brookline, Mass. Safety razor. 2,251,008; July 29.
Thompson, Wallace S., and W. V. Moore, Elk Park, N. C. Dirigible headlight. 2,250,734; July 29.
Thorp, Joel R., and S. Strand, assignors to The Fulton Company, West Allis, Wis. Trailer coupling. 2,250,661; July 29.
Thouret, Wolfgang. (See Lindwurm, L., and Thouret.)
Tiefenbacher, Thomas B. and W. B., Paterson, N. J. Locking device. 2,250,685; July 29.
Tiefenbacher, William B. (See Tiefenbacher, Thomas B. and W. B.)
Timken Roller Bearing Company, The. (See Edwards, Herbert C., assignor.)
Timken Roller Bearing Company, The. (See Hill, Arthur W., assignor.)
Timken Roller Bearing Company, The. (See Horger, Ralph E., assignor.)
Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Purification of esters. 2,251,215; July 29.
Tischler, Richard J. (See Ahlstrom, W. M., Tischler, and Parsons.)
Tobacco By-Products and Chemical Corporation. (See Arnold, Robert B., assignor.)
Tobin-Arp Manufacturing Company. (See Arp, Ewald A., assignor.)
Tobler, Richard. (See Froehlich, J., Stoecklin, and Tobler.)
Todd Company, The. (See Payne, Walter B., assignor.)
Toft, Howard L., Huston, Idaho. Potato digger. 2,251,210; July 29.
Tönnies, Hans F., Hamburg-Grossflottbek, Germany. Photographic apparatus. 2,250,898; July 29.
Töpfer, Herbert, Berlin-Siemensstadt, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, Berlin, Germany. Telephone system. 2,250,735; July 29.
Torkelson, Torkel E., Baldwin, assignor to International Business Machines Corporation, New York, N. Y. Electrical accumulator. 2,250,847; July 29.
Torresen, Carel T., Santa Monica, Calif. Torque wrench. 2,250,736; July 29.
Toth, Louis. (See Peremi, E., and Toth.)
Transit Research Corporation. (See Piron, Emil H., assignor.)
Triple "E" Products Co. (See Hoffmann, Edward C., assignor.)
Trojan Powder Company. (See Wyler, J. A., and Wernett, assignors.)
Tucker, Bert R., Whiting, Ind. Fuel vaporizer for internal combustion engines. 2,251,084; July 29.

Tull, Robert H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooler for bottled beverages. 2,250,557; July 29.

Tung-Sol Lamp Works Inc. (See Masland, Walter B., assignor.)

Tupy, Charles J. (See Cullen, E. V., Shaughnessy, and Tupy.)

Turner, Edwin E., Jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Recording mechanism. 2,250,509; July 29.

Tuttle & Bailey, Incorporated. (See Anderson, Hilding, assignor.)

Twin Disc Clutch Company. (See Adamson, N. F., and Bastrup, assignors.)

Twin Disc Clutch Company. (See Batten, Percy H., assignor.)

Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)

Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)

Underwood Elliott Fisher Company. (See Mann, Miles H., assignor.)

Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)

Union Carbide and Carbon Research Laboratories, Inc. (See Vaughn, Thomas H., assignor.)

Union Oil Company of California. (See Garofalo, R. J., and Swift, assignors.)

Union Switch & Signal Company. (See Crooks, Ralph K., assignor.)

United Chromium, Incorporated. (See Stareck, Jesse E., assignor.)

United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)

United Shoe Machinery Corporation. (See French, John W., assignor.)

United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)

United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)

United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)

U. S. Blind Stitch Machine Corporation. (See Buono, Mario, assignor.)

United States Gypsum Company. (See Gibson, O. E., and McCray, assignors.)

United States Gypsum Company. (See Roos, Carlisle K., assignor.)

United States Metal Powders, Inc. (See Harris, Clarence P., assignor.)

United States Rubber Company. (See Iknayan, A. N., and Null, assignors.)

Universal Oil Products Company. (See Rosenwald, R. H., and Chenicek, assignors.)

Unk, Jacob M., Eindhoven, Netherlands, assignor to Radio Corporation of America. Short electromagnetic wave oscillatory circuit. 2,251,085; July 29.

Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Sawtooth wave oscillator. 2,250,686; July 29.

V. Ingen Schenau, Bernardus W., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Degenerative amplifier. 2,250,606; July 29.

Van Buren, Charles J., Fort Lauderdale, Fla. Automobile insulation. 2,250,510; July 29.

Van Dijck, Willem J. D., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Countercurrent contact of two immiscible liquids. 2,250,976; July 29.

Van Dorn, Herbert E., Chicago, Ill., assignor to The Dornvan Corporation. Draft gear. 2,250,920; July 29.

Van Dyke, Sidney D., Asbury Park, N. J., and W. T. Plum, Arivaca, Ariz. Valve. 2,251,086; July 29.

Van Lammeren, Johannes A. (See Horowitz, A., van Lammeren, and Knös.)

Varian, Russell H., and W. W. Hansen, assignors to The Board of Trustess of The Leland Stanford University, Stanford University, Calif. Oscillator stabilization system. 2,250,511; July 29.

Vaughn, Thomas H., Niagara Falls, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc. Conversion of tertiary acetylenic alcohols. 2,250,558; July 29.

Vaughn, Thomas T. (See Dodge, Eugene W., assignor.)

Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Connecting rod lubrication. 2,250,512; July 29.

Vickers Incorporated. (See Vickers, Harry F., assignor.)

Vincent, James, North Bergen, N. J. Speed regulator. 2,251,087; July 29.

Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Welting and its manufacture. 2,251,178; July 29.

Voith-Schneider Propeller Company. (See Mueller, H., and Schneider, assignors.)

Von Gehr, George H., Chicago, Ill. Electrical outlet. 2,250,513; July 29.

Von Zeppelin, Helmut, Bitterfeld, Germany. Production of alloys containing beryllium. 2,251,089; July 29.

Von Zeppelin, Helmut, Bitterfeld, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Manufacture of alloys. 2,250,687; July 29.

Von Zeppelin, Helmut, Bitterfeld, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Production of alloys containing beryllium. 2,251,088; July 29.

Vossen, Arnold T. (See Wiegerinck, H. T. J., and Vossen.)

Waggener, Kenneth E., Brea, Calif. Cut indicating inside cutter. 2,250,688; July 29.

Waldorf Paper Products Company, The. (See Burr, John H., assignor.)

Walker, Ralph M., Atlanta, Ga. Weatherproof box for electric circuit breakers and other electrical devices. 2,250,977; July 29.

Wallace & Tiernan Products, Inc. (See Merckel, Frederick G., assignor.)

Walter, James M., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Molding powder of urea-formaldehyde resin containing a curing accelerator. 2,250,662; July 29.

Walter, James M., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Molding powder of urea-formaldehyde resin containing a curing accelerator. 2,250,663; July 29.

Waltz, Winfield S., Wadsworth, Ohio. Rail and tie fastener. 2,250,785; July 29.

Warren, Douglas R., assignor to Franklin Steel Works, Joliet, Ill. Apparatus for closing and sealing filled bags. 2,250,921; July 29.

Watkins, William W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition of matter and articles formed therefrom. 2,250,664; July 29.

Weaver, James C., assignor, by mesne assignments, to S. Snyder, Harrisburg, Pa. Speed warning system. 2,250,514; July 29.

Weaver, Leo L., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,250,689; July 29.

Weber, Carl M., Rochester, N. Y. Oscillating mirror mechanism for motion picture machines. 2,250,938; July 29.

Weber, Don A., and S. A. Stone, assignors to The Deister Concentrator Company, Fort Wayne, Ind. Apparatus for screening materials. 2,250,737; July 29.

Weber, Heinrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Amplifier gain control circuit. 2,250,559; July 29.

Wee, Quon. (See Gonzales, Andrew, assignor.)

Wegler, Richard, Leverkusen-Schlebusch, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of hydroxy alkyl amines. 2,251,245; July 29.

Weiland, Alfred, Philadelphia, Pa., and J. R. Zwickl, East Orange, N. J., assignors, by mesne assignments, to A. B. Crouch, Schenectady, N. Y., as trustee. Air conditioning apparatus. 2,250,978; July 29.

Weinerth, George S., Reading, Pa. Spark plug. 2,251,179; July 29.

Weld, Foster E., Newton, assignor to The Gamewell Company, Newton Upper Falls, Mass. Signaling system. 2,250,922; July 29.

Weld, Foster E., Newton, assignor to The Gamewell Company, Newton Upper Falls, Mass. Electrical control system. 2,250,923; July 29.

Weld, Foster E., Newton, assignor to The Gamewell Company, Newton Upper Falls, Mass. Electrical control system. 2,250,924; July 29.

Wernett, Edwin A. (See Wyler, J. A., and Wernett.)

Wesley, Walter F., and M. H. Lofback; said Wesley assignor to W. L. Lindsten, Minneapolis, Minn. Service call device. 2,251,180; July 29.

West, Joe H., Tulsa, Okla. Toy airplane. 2,251,090; July 29.

Western Electric Company. (See Weaver, Leo L., assignor.)

Western Union Telegraph Company, The. (See Long, J. W., and Roberts, assignors.)

Western Union Telegraph Company, The. (See Stewart, L. G., and Wise, assignors.)

Westinghouse Air Brake Company, The. (See Hines, Claude M., assignor.)

Westinghouse Electric & Mfg. Company. (See Baker, B. P., and Leeds, assignors.)

Westinghouse Electric & Manufacturing Company. (See Crabbs, Herbert J., assignors.)

Westinghouse Electric & Manufacturing Company. (See Lessmann, Gerhard P., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ortensi, Ennio, assignor.)

Westinghouse Electric & Manufacturing Company. (See Tanner, Elo C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Tull, Robert H., assignor.)

Weydell, Jarl M., assignor of one-half to E. E. Stout, Indianapolis, Ind. Pump. 2,251,235; July 29.

Weyher, Fredric J. (See Brown, K. C., and Weyher.)

Whiten Machine Works. (See Bozeman, Franklin E., Jr., assignor.)

Whitney, Maurice P., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Engine starter. 2,250,881; July 29.

Wiegerinck, Hendrikus T. J., and A. T. Vossen, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Amplifier energizing circuit. 2,250,613; July 29.

Wiegman, Floyd A., Chicago, Ill., assignor to The Prosperity Company, Inc., Syracuse, N. Y. Smoothing sleeved articles on pressing tables and the like. 2,251,091; July 29.

Wilhelm, Karl. (See Franke, E., and Wilhelm.)

Willard Storage Battery Company. (See Lormor, Henry W., assignor.)

Willer, Nicholas L., assignor to Railway Utility Company, Chicago, Ill. Ventilator for moving vehicles. 2,250,614; July 29.

Williams, Benjamin K., Columbus, Ohio, assignor to F. L. Smithe Machine Co. Inc., New York, N. Y. Setting tool for opening and closing envelope flap fasteners. 2,250,848; July 29.

Williams, Bradlee W. and H. S., assignors to Bally Manufacturing Co., Chicago, Ill. Game apparatus. 2,251,009; July 29.

Williams, C. K., & Co. (See Ayers, Joseph W., assignor.)

Williams, Homer S. (See Williams, Bradlee W. and H. S.)

Williams, Josiah H., Baltimore, Md. Glass gathering and molding apparatus. 2,250,515; July 29.

Williams, Robert C., assignor to The Ironsides Company, Columbus, Ohio. Wire drawing lubricant and producing the same. 2,251,092; July 29.

Williams, Robert C., assignor to The Ironsides Company, Columbus, Ohio. Metal forming and drawing lubricant and producing the same. 2,251,093; July 29.

Williamson, Larkin R., Cincinnati, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y. Press. 2,250,882; July 29.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Side construction for railway cars. 2,250,562; July 29.

Willoughby, Vincent. (See McBride, J. J., and Willoughby.)

Wilsey, Irven H., Chicago, Ill. Game apparatus. 2,250,690; July 29.

Wilson, Charles H. and G. C., Minneapolis, Minn. Heater. 2,250,691; July 29.

Wilson, Grover C. (See Wilson, Charles H., and G. C.)

Wilson, Guy K. (See Smith, E. F., and Wilson.)

Wilson, Lee, Sales Corporation. (See Schlitt, Floyd F., assignor.)

Winborne, Russell A., Oak Park, assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill. Timing device. 2,250,979; July 29.

Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe sewing machine. 2,250,939; July 29.

Winslow, Albert E., New London, assignor to Atwood Machine Company. Mandrel for bobbins. 2,250,560; July 29.

Winthrop Chemical Company. (See Eisenbrand, J., and Picher, assignors.)

Wise, John S., Salina, Kans. Floor waxer. 2,250,692; July 29.

Wise, Raleigh J. (See Stewart, L. G., and Wise.)

Wissler, William A., Niagara Falls, N. Y., assignor to Haynes Stellite Company. Applying metal layers. 2,250,561; July 29.

Wittenberg, Herbert, Schonberg, near Kronberg in Taunus, Germany, assignor to American Lurgi Corporation, New York, N. Y. Band sintering or roasting apparatus. 2,251,181; July 29.

Witter, Claude A., Philadelphia, Pa. Shell body and making the same. 2,251,094; July 29.

Wittmann, Robert A., Chicago, Ill., assignor to Chicago By-Products Corporation. Temperature actuated safety system. 2,250,738; Puly 29.

Wolf, Menno, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Variable wave generator. 2,250,819; July 29.

Wood, Clyde W., Los Angeles, Calif. Vibratory concrete laying and finishing machine. 2,251,095; July 29.

Wood, Wilfred R., assignor to Combustion Engineering Company, Inc., New York, N. Y. Radiant superheater. 2,250,849; July 29.

Wood, William H., Bedford, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. Treatment of printing plates. 2,250,516; July 29.

Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphur removal from gases. 2,251,216; July 29.

Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ore flotation. 2,251,217; July 29.

Woodward, Robert L., Jr., Nashville, Tenn. Window lock. 2,251,182; July 29.

Woolcock, James W. (See Taylor, A. W. C., Woolcock, and Hellicar.)

Workman, Thomas E., Los Angeles, and H. W. Sayre, San Gabriel, assignors to California Portland Cement Company, Los Angeles, Calif. Indicator package for cements and the like. 2,250,980; July 29.

Wright, Achsa, San Francisco, Calif. Rug machine. 2,250,615; July 29.

Wyler, Joseph A., and E. A. Wernett, assignors to Trojan Powder Company, Allentown, Pa. Double compound of pentaerythritol and dipentaerythritol. 2,251,236; July 29.

Yamashita, Sonosuke, Ushigome-ku, Tokyo, Japan. Manifold of an internal combustion engine. 2,250,786; July 29.

Yawman & Erbe Manufacturing Company, The. (See Clark, James R., assignor.)

Yellow Truck & Coach Manufacturing Company. (See Austin, Dwight E., assignor.)

Yellow Truck & Coach Manufacturing Company. (See Schjolin, Hans O., assignor.)

Yeomans, Lucien I. (See Bryant, George F., assignor.)

York, Charles F., and R. C. Malmsten, Rio Vista, Calif. Trap for dredger suction pipe. 2,250,693; July 29.

Young, Andrew G., Pittsburgh, Pa. Program controller. 2,250,899; July 29.

Zahn, Erwin A., Guilderland Center, and J. R. Patterson, Scotia, N. Y., assignors to General Electric Company. Welding. 2,250,940; July 29.

Zimmerman, Herman W., Highland Park, assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill. Torque measuring wrench. 2,250,941; July 29.

Zolleis, John G., Philadelphia, Pa. Coupling connection. 2,250,517; July 29.

Zonis, Sydney, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stitch-forming mechanism for sewing machines. 2,250,616; July 29.

Zwickl, Joseph R. (See Weiland, A., and Zwickl.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Computing apparatus. C. S. Hazard. Re. 21,867; July 29.

Geochemical prospecting. G. S. Bays. Re. 21,865; July 29.

Method and apparatus for forming coke. V. Mekler and A. H. Schutte. Re. 21,869; July 29.

Method of and apparatus for feeding tape and projecting images therefrom. K. L. Curtis. Re. 21,866; July 29.

Railroad tie. U. O. Long. Re. 21,868; July 29.

LIST OF DESIGN INVENTIONS

Abrading and polishing machine, Combined. C. T. Oppermann. 128,497; July 29.

Belt or similar article of wearing apparel. F. Sieland. 128,571; July 29.

Bottle, F. R. Hoch. 128,491; July 29.

Bracelet or similar article. H. Z. Lerner and F. Goldsmith, Jr. 128,494; July 29.

Brooch or similar article. F. H. P. Cusick. 128,179; July 29.

Cab, Power shovel. L. E. Blazey. 128,477; July 29.

Cabinet for a continuous cooker. W. R. Scharsch. 128,502; July 29.

Camera stand, Illuminating. J. L. Simpson. 128,505; July 29.

Can, Gasoline. W. W. Wittle. 128,513; July 29.

Case, Portable wardrobe. S. Meyer. 128,525; July 29.

Case, Vanity. J. Schwalbe. 128,503; July 29.

Coat. A. Del Re. 128,531; July 29.

Coat. R. Manna. 128,543–5; July 29.

Coat, Lady's. H. Hirsch. 128,533; July 29.

Comb and brush or similar article, Combined. J. Kahn. 128,523; July 29.

Container closure. J. E. Sharp. 128,534; July 29.

Cover and cap for vaporizers, Combined. H. L. Bennett. 128,540; July 29.

Device for expanding pistons. H. Banfill. 128,498; July 29.

Dress. M. Abenstein. 128,575; July 29.

Dress. H. F. Barbieri. 128,576; July 29.

Dress. M. Brucato. 128,546–7; July 29.

Dress. M. Brucato. 128,577; July 29.

Dress. I. Doctor. 128,578; July 29.

Dress. E. Freeman. 128,579; July 29.

Dress. L. Helms. 128,548–9; July 29.

Dress. L. Helms. 128,580; July 29.

Dress. L. Helms. 128,581–3; July 29.

Dress. R. R. Kass. 128,550–1; July 29.

Dress. R. R. Kass. 128,584; July 29.

Dress. H. T. Langbert. 128,552; July 29.

Dress. M. M. Levine. 128,586–8; July 29.

Dress. H. May. 128,553–4; July 29.

Dress. H. May. 128,589; July 29.

Dress. M. Michelson. 128,590; July 29.

Dress. B. Price. 128,591; July 29.

Dress. J. Richards. 128,560; July 29.

Dress. N. Rosenstein. 128,561; July 29.

Dress. N. Rosenstein. 128,562–3; July 29.

Dress. N. Rosenstein. 128,566; July 29.

Dress. N. Rosenstein. 128,592–8; July 29.

Dress. D. R. Sadowsky. 128,567; July 29.

Dress. G. Schulman. 128,568–9; July 29.

Dress. E. S. Selgenfeld. 128,570; July 29.

Dress. B. Staehle. 128,572–4; July 29.

Dress ensemble. M. Brucato. 128,542; July 29.

Dress ensemble. E. Cutler. 128,530; July 29.

Dress ensemble. M. Michelson. 128,535–6; July 29.

Eraser and pencil tip, Combined. H. B. Van Dorn. 128,535; July 29.

Fabric, Knitted. A. Brook. 128,524; July 29.

Fabric, Textile. J. H. Abt. 128,469–71; July 29.

Fabric, Textile. H. W. Wilde. 128,520; July 29.

Fabric, Textile. H. W. Wilde. 128,526–9; July 29.

Fabric, Textile. E. D. Witt. 128,521; July 29.

Fabric, Textile. E. D. Witt. 128,539; July 29.

Facepiece for breathing apparatus. D. A. Green and C. B. Jackson. 128,487; July 29.

Game board. P. Jolley. 128,492; July 29.

Game board. O. A. Scott. 128,504; July 29.

Game Pieces, Set of. R. K. Harlan. 128,489; July 29.

Girdle or similar garment. J. A. Weil. 128,536; July 29.

Glove. P. Dean. 128,541; July 29.

Gun, Spray. S. A. Hayes. 128,490; July 29.

Handbag. T. Leser. 128,585; July 29.

Handbag. I. Pichel. 128,557–9; July 29.

Handbag. N. and M. Sloane. 128,506; July 29.

Hat. M. A. Alexander. 128,537; July 29.

Hat. B. Marks. 128,538; July 29.

Heat exchanger core unit. F. M. Young. 128,514; July 29.

Hoist. O. L. Berby. 128,474; July 29.

Holder, Cigarette. I. Florman. 128,532; July 29.

Holder, Coin. M. Welsz. 128,511; July 29.

Ice cream cone jacket. J. Balton. 128,472–3; July 29.

Incense burner or analogous article. C. W. Parker. 128,499; July 29.

Lamp head. A. O. Elting. 128,480–2; July 29.

Lighting fixture. T. A. Carter, Jr. 128,478; July 29.

Mask, Breathing. W. M. Boothby and A. H. Bulbulian. 128,516–17; July 29.

Nipple. C. R. Porthouse and W. B. McIntosh. 128,501; July 29.

Opener, Can. M. J. Zimmer. 128,515; July 29.

Protector for cook stove top burners, Utensil support. C. E. Parker. 128,500; July 29.

Purse. L. Loeb. 128,495; July 29.

Rack or similar article, Baggage. L. L. Stewart. 128,507; July 29.

Rack, Pipe. J. V. Vevirit. 128,509–10; July 29.

Sachet. N. Goldstein. 128,486; July 29.

Shoe. G. E. Bergman. 128,475; July 29.

Shoe. R. P. Boothby. 128,518; July 29.

Shoe, Tennis. J. E. Hard. 128,519; July 29.

Sign or similar article. J. K. Franks. 128,484; July 29.

Slip and arm shields, Combined. J. Chasanoff. 128,522; July 29.

Slipper. C. L. Wilcox. 128,512; July 29.

Spoon or similar article. F. S. Trumbull. 128,508; July 29.

Suit. N. Rosenstein. 128,564–5; July 29.

Suit. F. T. Stix. 128,599; July 29.

Support for cologne bottles. C. H. Foster. 128,483; July 29.

Table, Display. R. J. Gunder. 128,488; July 29.

Toy train. M. H. Larrabee. 128,493; July 29.

Vacuum cleaner. J. A. C. Malchus. 128,496; July 29.

Vase, Flower. H. A. Fuld. 128,485; July 29.

Whistle, Slide. M. H. Berlin. 128,476; July 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF JULY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. W. A. Rosenberger. 2,250,500; July 29.

Abrading apparatus. W. A. Rosenberger. 2,251,233; July 29.

Abrading machine. E. M. Bright. 2,251,110; July 29.

Accelerating device. R. G. Berry. 2,251,105; July 29.

Accounting machine. W. A. Anderson. 2,251,097; July 29.

Acetylene from admixture with ethylene, Separation of. D. F. Babcock. 2,250,925; July 29.

Acids, Treating zinc with organic. J. S. Thompson and E. S. Hanson. 2,250,508; July 29.

Acoustic material. C. A. Siechta. 2,250,683; July 29.

Adhesive. G. L. Schwartz. 2,250,681; July 29.

Adhesive tape dispenser. J. F. Piller. 2,250,774; July 29.

Aerating and cooling wort. R. C. Schock. 2,250,777; July 29.

Air conditioning apparatus. A. Weiland and J. R. Zwickl. 2,250,978; July 29.

Air conditioning system. D. E. Austin. 2,250,618; July 29.

Air filter material for vacuum cleaners and the like. S. P. Lovell. 2,251,252; July 29.

Air-operated meter. M. M. Borden and A. W. Sweeten. 2,250,700; July 29.

Alarm system, Control. W. L. Foss. 2,250,828; July 29.

Alarm system, Radio. J. O. Howton. 2,250,834; July 29.

Alcohols, Conversion of tertiary acetylenic. T. H. Vaughn. 2,250,558; July 29.

Alcohols, Producing acetylenic. H. A. Bruson and J. W. Kroeger. 2,250,445; July 29.

Aldehydes and hydroxy-ketones, Purification of hydroxy-. A. W. C. Taylor, J. W. Woolcock, and A. G. Hellicar. 2,251,081; July 29.

Alloy: *See*—
Beryllium alloy. Manganese alloy.
Corrosion resistant alloy. Steel alloy.

Alloys containing beryllium, Production of. H. von Zeppelin. 2,251,088–9; July 29.

Aluminum compounds, Recovering. L. F. Clark. 2,250,926; July 29.

Amalgam carrier. B. W. Rutrough. 2,251,206; July 29.

Amines, Production of hydroxy alkyl. R. Wegler. 2,251,245; July 29.

Amplifier, Degenerative. B. W. v. Ingen Schenau. 2,250,606; July 29.

Amplifier energizing circuit. H. T. J. Wiegerinck and A. T. Vossen. 2,250,613; July 29.

Amplifier gain control circuit. H. Weber. 2,250,559; July 29.

Amplifier, Negative feedback. P. A. Neeteson. 2,250,598; July 29.

Amplifying system. V. Mistro. 2,251,151; July 29.

Amplifying tube, Cathode ray. P. T. Farnsworth. 2,251,124; July 29.

Anchor, Earth. C. L. Stroup. 2,250,780; July 29.

Animal trap. Y. H. Kurkjian. 2,250,639; July 29.

Anions, Process and product for removing. R. C. Swain. 2,251,234; July 29.

Antenna. C. W. Hansell. 2,250,531; July 29.

Apparatus for casehardening glass plates. W. Owen. 2,251,160; July 29.

Apparatus for casehardening glass sheets. L. V. Black and G. Z. Minton. 2,251,106; July 29.

Apparatus for closing and sealing filled bags. D. R. Warren. 2,250,921; July 29.

Apparatus for controlling the apparent resistance of amplifier anodes. H. F. Mayer. 2,250,996; July 29.

Apparatus for cooling liquids. W. J. Ramsay. 2,251,203; July 29.

Apparatus for cutting metal tubes. F. Grieder. 2,250,931; July 29.

Apparatus for developing wells. W. A. Rice. 2,250,775; July 29.

Apparatus for forming leases in warps. J. W. Sherrill. 2,250,728; July 29.

Apparatus for locating casing seats. W. J. Crites and W. C. Rodgers. 2,250,703; July 29.

Apparatus for regulating fuel supplied to burners. H. R. Barton. 2,251,029; July 29.

Apparatus for reproducing sound on film. J. Rabinowitz. 2,250,724; July 29.

Apparatus for screening materials. D. A. Weber and S. A. Stone. 2,250,737; July 29.

Apparatus for the processing of multiple filament thread or the like. H. B. Kline and L. S. Fryer. 2,251,226; July 29.

Apparatus for use in treating hides, skins and the like. J. L. Russell. 2,250,679; July 29.

Apparatus for winding wire around a body of revolution. M. Revel. 2,251,205; July 29.

Applicator for buffing machine, Compound. C. I. Packer and E. H. Kammerer. 2,251,161; July 29.

Arbor for spools or the like. G. B. Markle, Jr. 2,250,675; July 29.

Articulated car. L. H. Shils and J. B. D. Thompson. 2,250,609; July 29.

Attachment for rockers. A. W. Lehman, Jr. 2,251,141; July 29.

Automatic control for heating systems. J. B. Skelly. 2,250,919; July 29.

Automatic device for adjusting tuned circuits. A. D. Martin, Jr., and F. T. Houghton. 2,251,064; July 29.

Auxiliary handle. F. E. Hummel. 2,250,709; July 29.

Baggage rack. A. T. Hagerty and L. L. Stewart. 2,251,050; July 29.

Bait, Artificial. W. M. Franks. 2,250,478; July 29.

Band sintering or roasting apparatus. H. Wittenberg. 2,251,181; July 29.

Barrel. R. T. Cornelius. 2,250,749; July 29.

Battery dumping mechanism. H. W. Lormor. 2,250,490; July 29.

Battery post connection. R. Randall. 2,250,841; July 29.

Bearing: *See*—
Locomotive rod bearing. Thrust bearing.
Slipper bearing.

Bearing. F. Leister. 2,251,228; July 29.

Bearing. A. G. M. Michell and A. J. Seggel. 2,250,546; July 29.

Bearing and seal. D. Murphy. 2,251,020; July 29.

Bearing element or slipper pad for crankless mechanisms, Pivoted. T. L. Sherman. 2,250,607; July 29.

Bearing seal. T. C. Delaval-Crow. 2,251,012; July 29.

Belt and control assembly for artificial limbs. F. J. Perrin. 2,251,065; July 29.

Belt connector. H. F. Omer. 2,250,549; July 29.

Bending and forming machine, Strip. A. E. Borton. 2,251,218; July 29.

Beryllium alloy. C. Adamoli. 2,250,850; July 29.

Beverage making device. J. B. Ducat. 2,250,858; July 29.

Bib appliance. J. W. Brown. 2,250,887; July 29.

Bicycle. G. Lewinski. 2,250,805; July 29.

Bidet. R. R. da Silva. 2,251,039; July 29.

Blade and holder therefor, Double pointed. D. Frisoli. 2,250,796; July 29.

Blade, Stripping. S. Pickens and R. L. Fauver. 2,250,651; July 29.

Blade wheel. H. Mueller and E. Schneider. 2,250,772; July 29.

Blank for hose clamps. L. A. Safford. 2,250,653; July 29.

Blasting explosive, Safety. R. D. J. Owens. 2,250,935; July 29.

Boiler: *See*—
Steam boiler.

Bolster, Rolling center. E. H. Piron. 2,250,650; July 29.

Book and binding for same. E. N. and F. F. Farkas. 2,250,755; July 29.

Bottle collar, Folded. L. P. Neher. 2,251,022; July 29.

Box: *See*—
Journal box.

Box. J. H. Burr. 2,250,746; July 29.

Box covering and method of manufacture thereof. A. E. Chandler. 2,250,888; July 29.

Bracket holder, Shade and curtain. M. Rendulich. 2,251,067; July 29.

Brake control means. C. M. Hines. 2,251,132; July 29.

Brake mechanism. A. G. Feldman. 2,250,990; July 29.

Brake mechanism. W. G. Ransom. 2,250,725; July 29.

Breakhead wear element. M. S. Johnson. 2,250,637; July 29.

Broaching machine, Multiple stroke. L. F. Nenninger and E. G. Roehm. 2,251,154; July 29.

Brush display and storage rack. K. D. Currie. 2,251,119; July 29.

Brush making machine. J. Petrone. 2,250,812; July 29.

Brush, Shampoo. P. Quaranti. 2,250,878; July 29.

Brushing device, Mechanical. W. S. Sussman. 2,250,975; July 29.

Bucket, Minnow. W. V. Allin. 2,250,942; July 29.
Building construction, Metallic. H. Jentzer. 2,250,582; July 29.
Building stud construction. O. E. Gibson and H. E. McCray. 2,250,798; July 29.
Burner: *See*—
Combustion tube burner.
Butane system. J. E. Browning. 2,250,903; July 29.
Cable: *See*—
Composite electric cable.
Cable connector. C. H. Jensen. 2,251,189; July 29.
Cable pull overshot. A. Boynton. 2,250,463; July 29.
Cablelike formation of knitted metal fabric, Flexible A. M. Goodloe. 2,250,863; July 29.
Calculating machine. R. L. Muller. 2,250,837; July 29.
Can. D. Friedman. 2,251,187; July 29.
Can opener. H. Pohle. 2,251,200; July 29.
Car construction. J. Christiansen and J. B. D. Thompson. 2,250,523; July 29.
Cap: *See*—
Hairdressing cap.
Car: *See*—
Articulated car. Mine car.
Drop bottom car. Subway rail car.
Freight car.
Card index, Visible. J. R. Clark. 2,250,625; July 29.
Card stacking mechanism. O. L. Cleven. 2,251,221; July 29.
Carding apparatus. S. F. Rockwell, Jr. 2,250,499; July 29.
Carriage return mechanism for accounting machines. W. A. Anderson. 2,251,096; July 29.
Carriage assorting and transfer device. W. F. Nordmeyer. 2,250,810; July 29.
Carrier: *See*—
Amalgram carrier. Pneumatic carrier.
Carton-filling machine. R. S. Poole and D. E. Marshall. 2,250,603; July 29.
Cartridge, Sewer. A. P. Taber. 2,251,080; July 29.
Casket, Burial. W. I. Davis. 2,250,824; July 29.
Casket drop. R. J. Donnelly. 2,250,704; July 29.
Cast iron and a method of producing chilled surfaces thereon. C. H. Lorig and D. E. Krause. 2,250,488; July 29.
Cast iron, Producing chilled surfaces on. C. H. Lorig and D. E. Krause. 2,250,489; July 29.
Cathode-ray tube and manufacture thereof. R. M. Bowie. 2,250,622; July 29.
Cement, Rubber. A. W. Campbell. 2,251,220; July 29.
Centering arrangement for cathode ray beams. H. Bähring. 2,250,884; July 29.
Centrifugal pump. H. E. La Bour. 2,250,714; July 29.
Chair structure. W. H. Baumker. 2,250,790; July 29.
Chassis analyzer. C. C. Bennett. 2,250,742; July 29.
Chemical discharging means for aircraft. J. F. Haberlin. 2,250,762; July 29.
Chewing gum. J. M. Schantz. 2,251,070; July 29.
Chuck, Hydraulic center drive. W. L. Groene. 2,250,634; July 29.
Cigar piercing machine. T. W. Alm. 2,250,452; July 29.
Cigarette and cigar receiver. K. D. Albert. 2,250,451; July 29.
Cigarette container and belt. L. L. Tapie. 2,250,782; July 29.
Circuit: *See*—
Amplifier energizing circuit. Oscillatory circuit.
Receiver loop circuit.
Amplifier gain control circuit. Signaling circuit.
Transmitter control circuit.
Control circuit.
Oscillator control circuit.
Circuit breaker. E. Ortensi. 2,250,500; July 29.
Circuit breaker. T. G. A. Sillers and A. Ernestus 2,251,171; July 29.
Circuit interrupter. B. P. Baker and W. M. Leeds. 2,250,566; July 29.
Circuits, Electric valve. O. W. Livingston. 2,250,961; July 29.
Circuits, Electronic. H. G. Cisin. 2,251,114; July 29.
Clamp: *See*—
Pipe clamp.
Clamping connection. A. W. Miller. 2,251,253; July 29.
Clamping mechanism. K. F. Gallimore. 2,251,016; July 29.
Clasp. R. Besocke. 2,250,743; July 29.
Clasp. L. A. Crow. 2,250,469; July 29.
Cleaning apparatus, Eraser. W. A. Schaffer. 2,251,069; July 29.
Clicking machine. H. P. Schneider. 2,250,655; July 29.
Clutch. N. F. Adamson and K. L. Bastrup. 2,250,883; July 29.
Clutch. B. Loeffler. 2,251,143; July 29.
Clutch plate. G. I. Goodwin. 2,251,128; July 29.
Coating apparatus for rigid building elements. C. K. Roos. 2,250,918; July 29.
Coating composition for molds, etc. E. H. Haux. 2,251,130; July 29.
Coating magnesium articles. H. K. De Long. 2,250,473; July 29.
Coatings upon magnesium and its alloys, Producing colored. H. K. De Long. 2,250,472; July 29.
Coil-annealing furnace. E. I. Huff. 2,250,868; July 29.
Coin collector. O. A. Shann. 2,251,073; July 29.
Coin receiver and display device, Folding. D. Landsky. 2,250,995; July 29.
Coking apparatus. V. Mekler and A. H. Schutte. 2,251,242; July 29.
Collapsible bookholder. G. C. Lynch. 2,250,808; July 29.
Collar, Throat. E. Pomeranz. 2,250,840; July 29.
Colloids from contaminating matter, Purification and separation of. A. H. T. Theorell. 2,251,082; July 29.
Combustion tube burner. F. F. Schlitt. 2,250,680; July 29.
Compass loop construction, Radio. F. D. Herbert. Jr. 2,251,131; July 29.
Compensating mechanism. H. W. Piquet. 2,251,199; July 29.
Composite electric cable. I. W. Edwards. 2,250,907; July 29.
Computing device. G. Neuhaus. 2,251,155; July 29.
Concrete laying and finishing machine, Vibratory. C. W. Wood. 2,251,095; July 29.
Connecting rod lubrication. H. F. Vickers. 2,250,512; July 29.
Connector: *See*—
Belt connector. Cable connector.
Container: *See*—
Film container.
Container bottom and top spinning head. J. K. M. Harrison. 2,250,799; July 29.
Container handling device. C. F. Ernst. 2,250,577; July 29.
Control apparatus, Fluid flow. A. E. Jurs. 2,250,767; July 29.
Control circuit. A. Horowitz, J. A. van Lammeren, and G. B. Knös. 2,251,054; July 29.
Control circuit, Receiver output. G. Mountjoy. 2,250,596; July 29.
Control device. T. A. Rich. 2,251,003; July 29.
Control means, Weft end. W. R. Hewton. 2,250,866; July 29.
Control mechanism for fluid fuel burners. D. J. Howard and S. J. Johnson. 2,251,055; July 29.
Control mechanisms for winches. R. C. Lamond. 2,250,586; July 29.
Control of transmission in two-way signal wave transmission systems. H. L. Barney. 2,251,028; July 29.
Control system, Combustion. J. K. Mawha. 2,251,019; July 29.
Control system, Electrical. C. E. Kew. 2,250,673; July 29.
Control system, Electrical. F. E. Weld. 2,250,923–4; July 29.
Control system, heat and pressure. K. C. Brown and F. J. Weyher. 2,250,946; July 29.
Control valve for centrifugal pumps. J. F. Griffin. 2,250,865; July 29.
Conveyer. B. G. Daw. 2,251,121; July 29.
Conveyer for chocolate products. F. Nestmann. 2,251,197; July 29.
Conveyer, Loading. G. Manierre. 2,250,933; July 29.
Cooking apparatus. A. A. Propernick and W. F. Allenby. 2,250,966; July 29.
Cooking apparatus, Food. L. C. Brown. 2,251,111, July 29.
Cooler for bottled beverages. R. H. Tull. 2,250,557; July 29.
Cooler with wet and dry storage. R. H. Guyton and L. H. Herman. 2,250,952; July 29.
Cooling system for automotive vehicle engines. J. W. Fitz Gerald and A. Gudmundsen. 2,250,795; July 29.
Coping. E. S. Guignon, Jr. 2,250,951; July 29.
Corrosion resistant alloy. P. Payson. 2,251,163; July 29.
Countercurrent contact of two immiscible liquids. W. J. D. van Dijck. 2,250,976; July 29.
Coupler. E. P. Kinne and F. H. Kayler. 2,250,993; July 29.
Coupling: *See*—
Drawing roll coupling. Shaft coupling.
Hydraulic coupling. Trailer coupling.
Coupling. S. Fleischman. 2,250,477; July 29.
Coupling. A. W. Miller. 2,250,495; July 29.
Coupling connection. J. G. Zollels. 2,250,517; July 29.
Cover or closure means for liftable and lowerable immersion baths. A. Boecler and K. Bratring. 2,251,107; July 29.
Crank handle. A. J. Ronnick. 2,251,168; July 29.
Crankshaft chuck. W. F. Groene and W. R. Meyer. 2,250,631; July 29.
Curb form, Adjustable. B. F. Perry. 2,250,839; July 29.
Curler, Hair. R. G. Leland. 2,251,060; July 29.
Current responsive instrument. G. Seefeld. 2,250,969; July 29.
Cushion construction, Seat and back. A. H. Haberstump. 2,251,049; July 29.
Cushion frame, Seat and back. L. C. Freeman. 2,251,043; July 29.
Cutter: *See*—
Grass cutter. Inside cutter.
Cutting device. D. J. Lo Piccolo. 2,250,589; July 29.
Cutting machine. H. E. Morton. 2,250,594–5; July 29.
Cycle timer apparatus. H. Thomas, J. M. Pearson, and E. J. Nopper. 2,250,507; July 29.

Cylinder head. E. C. Cowles. 2,250,446; July 29.
Dehumidifier. W. F. Breen. 2,250,623; July 29.
Dental tool. J. W. Iseman. 2,251,057; July 29.
Derivative of hydroxy-aza-compounds and preparing same. F. Straub and E. Mannhart. 2,250,660; July 29.
Detector carriage. W. C. Barnes and H. W. Keevil. 2,250,460; July 29.
Device for practice in receiving international semaphore code signals. F. W. Cattanach. 2,250,466; July 29.
Device for pulling pipes or well casings. R. E. Chapman. 2,251,113; July 29.
Diaphragm for fuel pumps. D. McBurney. 2,250,674; July 29.
Die. E. C. Faber. 2,250,450; July 29.
Diesel fuel. E. M. Nygaard. 2,251,157; July 29.
Digester control. D. H. Annin. 2,251,246; July 29.
Dihydroxy hexachloro diphenyl methane and producing the same. W. S. Gump. 2,250,480; July 29.
Discharge device, Gaseous electric. G. Gaidies and M. Piranl. 2,251,045–6; July 29.
Discharge tube system, Thermionic. H. J. McCarthy. 2,250,874; July 29.
Disconnecting switch. H. J. Crabbs. 2,251,115; July 29.
Disk meter. H. F. Sacknus. 2,250,726; July 29.
Dispenser: *See*—
Adhesive tape dispenser.
Dispensing device. R. H. Pershall. 2,251,164; July 29.
Dispensing machine. S. A. Gratcyk, A. L. McWethy, T. P. Russell, and B. Eibink. 2,250,760; July 29.
Display device. R. J. Gunder. 2,250,635; July 29.
Display device. T. A. Keen. 2,251,250; July 29.
Distillation apparatus. A. S. Carter and F. W. Johnson. 2,251,185; July 29.
Door fastener. R. W. Danen. 2,251,038; July 29.
Door fastener. W. M. Dwyer. 2,250,447; July 29.
Door latch. W. R. Schlage. 2,250,727; July 29.
Draft gear. H. E. Van Dorn. 2,250,920; July 29.
Drag reducing device. G. C. Cannon. 2,250,822; July 29.
Drawer slide for cabinets. O. D. Premo. 2,250,895; July 29.
Drawing roll coupling. F. E. Bozeman, Jr. 2,251,031; July 29.
Dressmaking appliance. E. E. McCloud. 2,250,718; July 29.
Drill: *See*—
Rock drill.
Drilling apparatus. J. F. Joy. 2,250,670–1; July 29.
Drilling machine, Pattern controlled multiple. N. M. Stefano. 2,250,845; July 29.
Drive pin. W. A. Purtell. 2,251,202; July 29.
Drop bottom car, High capacity. R. C. Kepner and R. A. Shields. 2,250,538; July 29.
Drying apparatus and method of drying. G. Overton. 2,250,773; July 29.
Dust excluding device. J. R. Irwin. 2,251,056; July 29.
Dyestuffs, Indigoid vat. J. Froehlich, E. Stoecklin, and R. Tobler. 2,250,630; July 29.
Electrical accumulator. T. E. Torkelson. 2,250,847; July 29.
Electrical network. L. Batchelder. 2,250,461; July 29.
Electrical outlet. G. H. Von Gehr. 2,250,513; July 29.
Electrical player attachment for pianos and similar keyboard instruments. S. T. Bonilla. 2,250,522; July 29.
Electrical reproducing apparatus. L. G. Stewart and R. J. Wise. 2,250,730; July 29.
Electrodeposition of copper and bath therefor. J. E. Stareck. 2,250,556; July 29.
Electrolyte level control device for storage batteries. J. Sandusky. 2,250,817; July 29.
Electrolytic cell. J. C. Thompson. 2,250,937; July 29.
Electron discharge device. C. J. Davisson. 2,250,927; July 29.
Elements contained in ores and rocks, Extraction of bases of rare. C. Adamoli. 2,250,851; July 29.
Elevator for sucker rods, Transfer. P. G. Mangham. 2,250,642; July 29.
Embossing machine. H. O. Bates. 2,250,567; July 29.
Enamel, Porcelain. M. J. Bahnsen and E. E. Bryant. 2,250,456–7; July 29.
Engine: *See*—
Rotary engine.
Supercharged two-cycle engine.
Engine driving mechanism for magnetos. J. F. Martin and W. D. Crocker. 2,250,809; July 29.
Engine starter. M. P. Whitney. 2,250,881; July 29.
Esters, Manufacture of unsaturated. J. E. Bludworth. 2,250,520; July 29.
Esters, Polymerizing acrylic and methacrylic acid. C. T. Kautter. 2,250,485; July 29.
Esters, Purification of. J. B. Tindall. 2,251,215; July 29.
Ethers and preparation thereof, Terpene. D. H. Sheffield. 2,251,214; July 29.
Evaporator, Chemical. T. W. Kirkman. 2,251,058; July 29.
Exercising device, Foot and leg. G. M. Milne. 2,250,493; July 29.
Exercising machine. E. Davis. 2,251,120; July 29.
Explosive rotary jar for deep well equipment. E. W. Dodge. 2,250,574; July 29.
Eyeglass case lining. C. R. Jerry. 2,250,636; July 29.
Eyepiece, Protective. R. Malcolm. 2,251,194; July 29.
Fabric: *See*—
Knitted fabric.
Fabric take-up. A. N. Cloutier. 2,251,222; July 29.
Fabric take-up. E. St. Pierre. 2,250,731; July 29.
Fabric tearing machine. D. A. Cumfer. 2,250,572; July 29.
Fan, Centrifugal. E. F. Roettger. 2,250,844; July 29.
Fastener: *See*—
Door fastener. Zip fastener.
Rail and tie fastener.
Feed mechanism. F. Hafecost. 2,250,530; July 29.
Feed mechanism for printing presses. C. Paulsen. 2,250,677; July 29.
Feeding mechanism for shaker or jigging conveyers. L. F. Crawford. 2,251,118; July 29.
Film container, Roll. P. F. Sperry. 2,251,076; July 29.
Film holder. G. S. Bohannon. 2,251,184; July 29.
Filter: *See*—
Nasal filter. Oil filter.
Fire extinguishing apparatus. W. Tappe. 2,251,175; July 29.
Fireproofing composition and method. H. Hopkinson 2,250,483; July 29.
Fishing reel, Motor driven. T. C. Fanshier. 2,251,123; July 29.
Fitting machine, Heel-seat. J. W. French. 2,250,665; July 29.
Fitting, Universal attachment. A. G. Butler. 2,251,112; July 29.
Flare. R. F. Hutt. 2,250,710; July 29.
Flashlight and bulb remover, Combined. W. B. Masland. 2,251,148; July 29.
Flaw detecting apparatus. W. C. Barnes and H. W. Keevil. 2,250,459; July 29.
Flaw detector mounting. W. C. Barnes. 2,250,458; July 29.
Floor rack hinge means. C. D. Brown. 2,250,570; July 29.
Flow device, Differential stage lift. A. Boynton. 2,250,464; July 29.
Flow device, velocity control, Differential stage lift. A. Boynton. 2,250,465; July 29.
Fluid pressure, Hermetically sealing. P. M. Rea. 2,250,813; July 29.
Fly casting fishing line. M. K. Hedge. 2,250,832; July 29.
Fly trap and killer. U. W. Metter. 2,250,894; July 29.
Filaments, threads, foils, or sheets of cellulose esters or ethers, Manufacture of improved. J. G. Evans and A. Shepherdson. 2,250,929; July 29.
Folding table. H. J. Hunt. 2,251,134; July 29.
Foot pedal propelled vehicle. A. Rubinich. 2,251,005; July 29.
Form lifter for box wrapping mechanism. E. G. Rider. 2,250,917; July 29.
Formals with glycolic acid and resulting product, Reaction of. D. J. Loder, W. F. Gresham, and D. B. Killian. 2,250,487; July 29.
Fountain applicator. J. W. Brigham. 2,250,414; July 29.
Fountain, Poultry watering. E. A. Gardner. 2,250,759; July 29.
Frame: *See*—
Cushion frame.
Vehicle frame.
Frame construction. N. M. Lurrain. 2,250,491; July 29.
Freight car, Covered convertible. A. Kassler. 2,250,535; July 29.
Frequency modulation receiver, Combination amplitude-modulation. J. F. Farrington. 2,250,862; July 29.
Fuel control. M. J. Kittler. 2,250,932; July 29.
Fuel, Diesel. E. M. Nygaard. 2,251,156–7; July 29.
Fuel injector for internal combustion engines. A. Pischinger. 2,250,877; July 29.
Fuel vaporizer for internal combustion engines. B. R. Tucker. 2,251,084; July 29.
Fume exhausting apparatus for use with ingot molds T. E. Hughes. 2,250,913; July 29.
Fumigating, Method of. R. B. Arnold. 2,250,943; July 29.
Funnel, Oil drainage. H. Hiett. 2,250,910; July 29.
Furnace: *See*—
Coil-annealing furnace.
Game apparatus. D. S. Johnston. 2,250,802; July 29.
Game apparatus. P. C. Smith. 2,250,778; July 29.
Game apparatus. B. W. and H. S. Williams. 2,251,009; July 29.
Game apparatus. I. H. Wilsey. 2,250,690; July 29.
Gap connector in ignition generators. W. E. Schwarzmann. 2,250,682; July 29.
Garden tool. J. F. Garland. 2,251,048; July 29.
Garment, Infant's. A. M. Cole. 2,250,750; July 29.
Garment-pressing machine. W. M. Lauer and W. A. Hoch. 2,250,715; July 29.
Gas and liquid contact column. E. F. Fisher. 2,250,757; July 29.
Gases, Purifying. F. M. Pyzel. 2,251,000; July 29.
Gate: *See*—
Irrigation gate.
Gear: *See*—
Draft gear. Steering gear.
Gear shifting mechanism. V. W. Kliesrath and R. S. Sanford. 2,250,835; July 29.

Generator: *See*—
Saw-tooth wave generator. Variable wave generator.
Glass gathering and molding apparatus. J. H. Williams. 2,250,515; July 29.
Glass, Production of decorative. W. O. Lytle. 2,251,144; July 29.
Glass sheets, Shaping of. L. J.-B. Forbes. 2,250,628; July 29.
Glassware forming machine. R. G. Allen. 2,251,010; July 29.
Glove palm and back stretch indicator, True size. C. H. Johanson. 2,250,711; July 29.
Glove, Safety. H. S. Baker. 2,251,027; July 29.
Glucamines, Acylated N-aryl. R. Pasternack and E. V. Brown. 2,250,999; July 29.
Governor. H. G. Adler. 2,250,982–4; July 29.
Governor for automotive vehicles, Automatic speed. R. W. Deaver and C. E. O. Kreigstedt. 2,251,186; July 29.
Grass catcher. C. F. Sullivan. 2,250,846; July 29.
Grass cutter. J. A. Orr. 2,251,023; July 29.
Grinding wheel. M. J. Gregory. 2,250,580; July 29.
Guard, Bumper. G. F. Bahr. 2,250,565; July 29.
Guard for journal bearings, Dust. M. Meunier. 2,251,195; July 29.
Guard, Wood turning chip. J. C. Jorgenson. 2,250,766; July 29.
Gum breaking machine. E. L. Smith and E. F. Cornock. 2,251,172; July 29.
Hairdressing cap. B. M. Kelley. 2,251,191; July 29.
Hammer, Fluid actuated. E. G. Eppens. 2,250,449; July 29.
Handle: *See*—
Auxiliary handle. Crank handle.
Hanger: *See*—
Hat and coat hanger.
Harpoon, Bomb. C. and E. Cornelissen. 2,251,037; July 29.
Harvester. J. Garst. 2,250,948; July 29.
Hat and coat hanger. H. J. Harrison. 2,250,831; July 29.
Hay raking loader. L. E. Betzelberger. 2,250,902; July 29.
Headlight, Dirigible. W. S. Thompson and W. V. Moore. 2,250,734; July 29.
Heat exchange apparatus. R. A. Persson and J. O. Nauclér. 2,251,066; July 29.
Heat exchanger. C. W. Gordon. 2,250,864; July 29.
Heat exchanger fins, Making. F. J. Sibley. 2,251,074; July 29.
Heater. R. L. McCall. 2,250,893; July 29.
Heater. C. H. and G. C. Wilson. 2,250,691; July 29.
Heater casing, Fluid. W. M. Firshing. 2,251,014; July 29.
Hermetic seal. L. Lindwurm and W. Thouret. 2,251,062; July 29.
Hoist. B. H. Evans. 2,250,825; July 29.
Holder: *See*—
Bracket holder. Lipstick holder.
Film holder. Tissue holder.
Holder. E. W. Krauter. 2,250,583; July 29.
Holder for lipsticks and the like, Adjustable. A. Mitchell. 2,250,876; July 29.
Holder for rotary balls or bobbins. A. Baruch. 2,250,741; July 29.
Holder for yarn or cord. M. L. Griffis. 2,251,188; July 29.
Holding clip for tie plate and rails. G. W. Muller. 2,251,196; July 29.
Hollow bodies from acetyl cellulose and like plastic substances, Producing highly lustrous. K. Bratring. 2,251,109; July 29.
Hopper discharge. W. F. Dietrichson. 2,250,524; July 29.
Hosiery form, Adjustable. W. M. Cissell. 2,250,747; July 29.
Hosiery protector. M. B. Finegan. 2,250,794; July 29.
Hour hand device. L. E. Nebergall. 2,251,021; July 29.
Hydraulic chucking mechanism. W. L. Groene. 2,250,632; July 29.
Hydraulic control device. H. W. Landenberger. 2,250,539; July 29.
Hydraulic coupling. P. H. Batten. 2,250,885; July 29.
Hydrocarbons and producing it, Product of mild oxidation of long-chain. F. O. Cockerille. 2,250,468; July 29.
Hydrocarbons from gases containing them, Separation of. R. Gerlach. 2,250,949; July 29.
Hydrocarbons, Producing high molecular weight. R. J. Garofalo and C. E. Swift. 2,250,991; July 29.
Hydrocarbons, Treatment of. R. H. Rosenwald and J. A. Chenicek. 2,250,501; July 29.
Indicating and/or recording unknown quantities. M. J. Johnson. 2,250,712; July 29.
Indicating instrument. E. H. Hammond. 2,251,129; July 29.
Indicator: *See*—
Liquid level indicator.
Indicator package for cements and the like. T. E. Workman and H. W. Sayre. 2,250,980; July 29.
Inking mechanism for printing machines. R. Bradshaw and J. M. Lougee. 2,251,032; July 29.
Inkstand. H. F. Krueger. 2,250,804; July 29.
Inner spring unit. F. G. Hodges, Jr. 2,250,800; July 29.
Inside cutter, Cut indicating. K. E. Waggener. 2,250,688; July 29.
Insulation, Automobile. C. J. Van Buren. 2,250,510; July 29.
Interference suppressor for radio receivers. H. O. Peterson and R. L. Hollingsworth. 2,250,550; July 29.
Internal combustion engine of the multicylinder type. K. W. Rohlin. 2,250,814; July 29.
Ironer, Table top. H. H. Babcock. 2,250,455; July 29.
Ironing machine, Table top. H. H. Babcock. 2,250,454; July 29.
Irrigation gate. C. Cramer. 2,250,906; July 29.
Jack: *See*—
Screw operated jack. Tractor jack.
Journal box. A. O. Buckius. 2,250,853–4; July 29.
Journal box mounting, Adjustable. O. V. Borup. 2,250,568; July 29.
Key and combination operated lock. H. Machinist. 2,251,145; July 29.
Knife, Honey uncapping. P. W. Pierce. 2,250,602; July 29.
Knitted fabric. V. Lombardi. 2,250,588; July 29.
Knitting machine. A. X. Desmonds. 2,250,791; July 29.
Knitting machine, Circular. C. Smith and C. P. McCabe. 2,250,658; July 29.
Label cap loosener, and auxiliary container, Combined. C. W. Godefroy. 2,250,666; July 29.
Lamp and socket therefor. F. R. Megginniss. 2,250,644; July 29.
Lapping machine. L. R. Brown. 2,251,033; July 29.
Latch: *See*—
Door latch. Sliding door latch.
Latching device for containers or compartments. M. C. Knight. 2,251,138; July 29.
Laundry washer, Power. H. Solomon. 2,250,659; July 29.
Lead, Manufacture of white. A. W. Ferguson 2,250,756; July 29.
Lead nitroaminoguanidine and making it. K. D. Ashley. 2,251,101; July 29.
Lens and making same, Ophthalmic. P. A. K. Boeder. 2,250,521; July 29.
Lens and making same, Ophthalmic. H. R. Moulton. 2,250,597; July 29.
Let-off mechanism for looms. A. H. Hill. 2,250,833; July 29.
Lever connection. C. Johnson. 2,250,765; July 29.
Lift actuating mechanism, Hydraulic. F. and F. Koenigkramer. 2,250,803; July 29.
Lifter. E. V. Cullen, E. J. Shaughnessy, and C. J. Tupy. 2,250,751; July 29.
Lighting fixture, Continuous. A. T. Hagerty and L. L. Stewart. 2,250,954; July 29.
Lighting unit. W. F. Overbagh. 2,251,024; July 29.
Lipstick holder. H. Karton. 2,251,136; July 29.
Liquid level indicator. A. F. Meyer. 2,250,676; July 29.
Lock: *See*—
Pocketbook lock. Window lock.
Locking device. T. B. and W. B. Tiefenbacher. 2,250,685; July 29.
Locking means for bearing studs and nuts. C. W. Dieckmann. 2,250,753; July 29.
Locomotive rod bearing. R. E. Horger. 2,250,801; July 29.
Loud-speaker and driving motor therefor. J. P. Quam. 2,251,001; July 29.
Lubricant and producing the same, Metal forming and drawing. R. C. Williams. 2,251,093; July 29.
Lubricant and producing same, Wire drawing. R. C. Williams. 2,251,092; July 29.
Lubricating composition. L. A. Mikeska and E. Lieber. 2,250,545; July 29.
Lubricating equipment, Journal box. E. S. Pearce. 2,250,811; July 29.
Machine and method for forming projections on metal stock. A. Lodge. 2,250,542; July 29.
Machine for boring engine bearings. E. A. Arp. 2,250,788; July 29.
Machine for feeding tobacco. J. F. Halstead. 2,250,481; July 29.
Machine for making satchel-bottom bags. L. Bischoff. 2,250,699; July 29.
Machine for mounting shoes on lasts. E. Quinn. 2,250,678; July 29.
Machine for setting, shifting, and removing poles. B. G. Donley and O. Genung. 2,251,013; July 29.
Machine tool. G. F. Bryant. 2,251,034; July 29.
Machine tool. K. F. Gallimore. 2,251,015; July 29.
Machining tool. K. Schröter and W. Dawihl. 2,251,007; July 29.
Magnetron. S. Berline. 2,250,698; July 29.
Mandrel for bobbins. A. E. Winslow. 2,250,560; July 29.
Mandrel for pickling machines. S. Nyberg and H. C. Cappel. 2,250,494; July 29.
Manganese alloy. R. S. Dean and C. T. Anderson. 2,250,470; July 29.
Manifold of an internal combustion engine. S. Yamashita. 2,250,786; July 29.
Manufacture of alloys. H. von Zeppelin. 2,250,687; July 29.

Marking articles, Method of. T. W. Gangloff. 2,251,047; July 29.
Matter and articles formed therefrom, Composition of. W. W. Watkins. 2,250,664; July 29.
Measuring and calculating apparatus. W. M. Ahlstrom, R. J. Tischler, and F. H. Parsons. 2,250,739; July 29.
Measuring device. E. Riendeau. 2,250,968; July 29.
Measuring device, Combination. A. Gonzales. 2,250,830; July 29.
Measuring device for steel lines. A. Boynton. 2,250,462; July 29.
Measuring device, Pressure. F. Postlethwaite. 2,250,496; July 29.
Mechanism for controlling the pitch of airscrew blades. G. Algarsson. 2,250,694; July 29.
Medicinal preparation. S. L. Ruskin. 2,250,553; July 29.
Metal articles against corrosion by coating by electrodeposition, Protection of. S. T. Roberts. 2,250,842; July 29.
Metal blank and method of blanking. R. H. Maddock. 2,250,641; July 29.
Metal shears. K. Kubenic. 2,250,638; July 29.
Metallic building unit. F. L. Hoess. 2,250,764; July 29.
Metallic pigment. C. P. Harris. 2,250,956; July 29.
Metallic pigment pastes, Preparing. C. P. Harris. 2,250,955; July 29.
Meter: *See*—
Air-operated meter. Disk meter.
Method and apparatus for developing film. H. W. Houston. 2,251,232; July 29.
Method and apparatus for forming washers and the like. A. N. Iknayan and R. G. Null. 2,251,135; July 29.
Method and apparatus for the manufacture of cork articles. A. W. Bassett. 2,250,697; July 29.
Method and machine for cutting openings in metal ribbons or the like. P. Mesnel. 2,250,593; July 29.
Method of and apparatus for making drive pins. W. A. Purtell. 2,251,201; July 29.
Method of and apparatus for packaging matches. F. Atterberg. 2,251,102; July 29.
Method of and apparatus for separating crystalloids from accompanying substances. A. H. T. Theorell. 2,251,083; July 29.
Method for applying metal layers. W. A. Wissler. 2,250,561; July 29.
Method of and machine for use in covering heels. L. J. Bazzoni. 2,250,443; July 29.
Microphone. G. W. Sutton. 2,250,781; July 29.
Milking machines, Stall cock of. W. A. Scott. 2,251,071; July 29.
Mine car. W. E. Lunger and H. H. Pancake. 2,250,590; July 29.
Mine car. H. H. Pancake. 2,250,601; July 29.
Mine car, Drop bottom. E. R. Schroeder. 2,250,555; July 29.
Minerals, Purifying of earthy. W. Feldenheimer. 2,251,256; July 29.
Mirror device, Front view. D. L. Stokesbary. 2,250,896; July 29.
Mirror mechanism for motion picture machines, Oscillating. C. M. Weber. 2,250,938; July 29.
Mitering attachment for table saws. R. B. Chase. 2,251,035; July 29.
Mixing device. S. K. Nester. 2,250,838; July 29.
Mixing valve. A. J. Ruegg and G. Martin. 2,250,815; July 29.
Motor: *See*—
Windshield wiper motor.
Motor control for business machines. W. A. Anderson. 2,251,098; July 29.
Motor control for computing machines. W. A. Anderson. 2,251,100; July 29.
Mounting: *See*—
Flaw detector mounting. Wheelbarrow wheel mounting.
Journal box mounting.
Mounting for electric fittings. V. G. Bull. 2,250,855; July 29.
Musical instrument. R. W. Fathauer. 2,250,827; July 29.
Musical instrument, Electrical. L. Hammond. 2,251,051–2; July 29.
Nasal filter. F. H. Koehler. 2,251,139; July 29.
Nest, Laying. H. R. Sperry. 2,250,818; July 29.
Neutrons, Producing. H. I. Kallmann and E. Kuhn. 2,251,190; July 29.
Nicotine, Manufacture of. K. B. Edwards. 2,251,041; July 29.
Nonrepeat valve. J. H. Friedman. 2,250,629; July 29.
Nut, Fusible. H. Anderson. 2,250,787; July 29.
Oil filter. L. O. Keefer. 2,250,672; July 29.
Oil separating apparatus. R. G. Makely. 2,250,872; July 29.
Oils, Sweetening sour hydrocarbon. E. Kolthoff and A. E. Catanach. 2,250,915; July 29.
Olive straightener. G. W. Ashlock, Jr. 2,250,518; July 29.
Optical system for photography and projection. R. Thomas. 2,251,177; July 29.
Ore converter, Continuous. W. H. Merkel. 2,251,150; July 29.
Ore flotation. J. C. Woodhouse. 2,251,217; July 29.
Ornamental facing for closures. R. Kay. 2,251,137; July 29.
Oscillation producing means. W. Albricht. 2,251,025; July 29.
Oscillator control circuit. E. Franke and K. Wilhelm. 2,250,526; July 29.
Oscillator, Saw-tooth wave. R. Urtel. 2,250,686; July 29.
Oscillator stabilization system. R. H. Varian and W. W. Hansen. 2,250,511; July 29.
Oscillatory circuit, Short electromagnetic wave. J. M. Unk. 2,251,085; July 29.
Oven illumination for stoves. C. Ehret. 2,250,860; July 29.
Oxide pigments, Chromic. J. W. Ayers. 2,250,789; July 29.
Package. E. J. McConnell. 2,250,875; July 29.
Package gluing machine. E. T. Swan and R. S. Poole. 2,250,611; July 29.
Package rack and air duct, Combined. D. E. Austin. 2,250,619; July 29.
Packing. F. W. Armstrong. 2,251,211; July 29.
Pad: *See*—
Rug pad.
Pane securing means. E. Bugatti. 2,250,624; July 29.
Paper cup. W. G. Jopson. 2,251,017; July 29.
Pattern and copy character therefor, Engraving machine. H. P. Preis. 2,251,166; July 29.
Paving block and pavement. D. W. Longfellow. 2,250,890; July 29.
Peeler and cyer, Potato. A. J. Antoski. 2,251,183; July 29.
Pentaerythritol and dipentaerythritol, Double compound of. J. A. Wyler and E. A. Wernett. 2,251,236; July 29.
Pharmaceutical preparation. P. M. Salerni. 2,250,504; July 29.
Phonograph. R. M. Somers. 2,251,173; July 29.
Phonograph selecting system. L. J. Andres. 2,251,026; July 29.
Phosphorus from manganese ores, Removal of. T. W. Carney. 2,251,248; July 29.
Photographic apparatus. H. F. Tönnies. 2,250,898; July 29.
Photographic plates, Forming. J. C. May. 2,250,873; July 29.
Pile fabric, Making. H. H. Baynton. 2,250,901; July 29.
Pilling section. G. G. Grenlich. 2,250,908; July 29.
Pin: *See*—
Drive pin.
Pin removing and guard mechanism for bowling alleys. R. E. Rundell. 2,250,503; July 29.
Pipe: *See*—
Smoking pipe. Tobacco pipe.
Pipe. F. N. Mariani. 2,250,643; July 29.
Pipe clamp. R. H. Landers. 2,250,836; July 29.
Pipe supporting arrangement. S. R. Svendsen. 2,250,732; July 29.
Planter. J. D. McKahin. 2,250,719; July 29.
Plug: *See*—
Spark plug.
Pneumatic carrier. H. Busch. 2,251,238; July 29.
Pocketbook lock. S. Segal. 2,251,207; July 29.
Polishing composition and preparing the same. W. A. Hall. 2,250,667; July 29.
Polishing machine. H. M. Morris. 2,250,720; July 29.
Polymeric materials, Embedding color in. C. T. Kautter and K. Feuerstein. 2,250,958; July 29.
Position indicating means for tailstocks. R. K. Le Blond. 2,250,640; July 29.
Potato digger. H. L. Toft. 2,251,210; July 29.
Potentiometer. D. S. W. Kelly. 2,250,959; July 29.
Powder of urea-formaldehyde resin containing a curing accelerator, Molding. J. M. Walter. 2,250,662–3; July 29.
Power drive for tools. R. F. and J. L. Krueger. 2,250,584; July 29.
Power take-off or driving mechanism. T. L. Sherman. 2,250,608; July 29.
Pregnandiols and method of obtaining them. R. E. Marker. 2,250,962; July 29.
Press: *See*—
Printing press.
Press. B. J. Pierson. 2,250,649; July 29.
Press. L. R. Williamson. 2,250,882; July 29.
Press control system, Automatic. W. Ernst. 2,250,705; July 29.
Presser-foot lifter for sewing machines. R. Kaier. 2,250,992; July 29.
Pressure measuring device. S. L. de Bruin. 2,250,471; July 29.
Pressure regulator. G. C. Stanley. 2,251,244; July 29.
Printing machine. G. H. Higgins and W. S. Edwards. 2,250,534; July 29.
Printing plates, Treatment of. W. H. Wood. 2,250,516; July 29.
Printing press. F. W. Seybold and A. Stobb. 2,250,657; July 29.
Process and apparatus for bending and tempering glass sheets. W. Owen. 2,251,159; July 29.
Process and apparatus for the manufacture of profiled bricks. V. Ehrenhaft. 2,250,576; July 29.
Program controller. A. G. Young. 2,250,899; July 29.
Projection apparatus, Optical. E. C. Stanton. 2,251,077; July 29.
Propeller, Variable pitch. W. W. Everts. 2,250,826; July 29.
Protective device for blast furnace bell hoists. V. Bertelsen, J. N. Anderson, and C. T. Spriggs. 2,250,852; July 29.

Protector: *See*—
Hosiery protector.
Pulp molding. W. H. Randall. 2,251,243; July 29.
Pump: *See*—
Centrifugal pump.
Pump. A. G. Carpenter, Jr. 2,250,947; July 29.
Pump. A. L. Crowder. 2,250,792; July 29.
Pump. J. M. Weydell. 2,251,235; July 29.
Pump construction. W. T. Runals. 2,251,231; July 29.
Pump for hydraulic jacks. E. M. Prauser. 2,250,551; July 29.
Rack: *See*—
Baggage rack. Display and storage rack.
Radio receiver. W. J. Schnell. 2,250,936; July 29.
Radio receiver. G. Smith. 2,251,075; July 29.
Radio relaying system. C. W. Hansell. 2,250,532; July 29.
Radio transmitter, Short wave. C. W. Rice and W. C. Hahn. 2,251,002; July 29.
Radio tube and the like, Shielded. C. E. Miller. 2,250,647; July 29.
Radio tuning apparatus. E. A. Gschwind. 2,250,761; July 29.
Rail and tie fastener. W. S. Waltz. 2,250,785; July 29.
Rail brace. L. I. Martin. 2,250,891; July 29.
Rail vehicle, Self-propelled. A. Lysholm and E. O. Erlksson. 2,250,543; July 29.
Railway hopper car outlet. J. J. McBride. 2,250,591; July 29.
Railway hopper car outlet. J. J. McBride and V. Willoughby. 2,250,592; July 29.
Razor, Safety. R. E. Thompson. 2,251,008; July 29
Receiver loop circuit. D. E. Foster. 2,250,829; July 29.
Receiver volume control. C. Heinecke. 2,250,581; July 29.
Receiver with automatic tuning. H. Rinia. 2,251,068; July 29.
Receptacle. E. F. Smith and G. K. Wilson. 2,250,729; July 29.
Receptacle closure. A. L. Merolle. 2,250,544; July 29.
Receptacle particularly adapted for carrying articles of clothing. S. Meyer. 2,250,547; July 29.
Recording mechanism. E. E. Turner, Jr. 2,250,509; July 29.
Reel: *See*—
Fishing reel.
Reflector element and mounting therefor. C. G. Bordeaux. 2,250,621; July 29.
Reflector-signal. E. P. Bone. 2,250,620; July 29.
Refrigerating apparatus. L. A. Philipp. 2,250,648; July 29.
Refrigerating apparatus. E. C. Tanner. 2,250,612; July 29.
Refrigeration. G. A. Brace. 2,250,944–5; July 29.
Refrigeration. W. H. Kitto. 2,250,960; July 29.
Refrigeration. D. G. Smellie. 2,250,970; July 29.
Refrigeration, D. G. Smellie. 2,250,971; July 29.
Regulator: *See*—
Pressure regulator. Speed regulator.
Regulator system. B. A. Fairweather and D. M. Terry. 2,251,044; July 29.
Reinforced wall and foundation structure. R. L. Hild. 2,250,763; July 29.
Relay system monitoring. A. N. Goldsmith. 2,250,950; July 29.
Remote control for transmissions. T. Backus. 2,250,820; July 29.
Reset for combination locks, Key operated. H. Machinist. 2,251,146; July 29.
Resilient wheel. W. W. Little. 2,251,063; July 29.
Return bends, Making. W. Rieger. 2,250,879; July 29.
Rings for packages, Making. R. E. Hanson. 2,250,533; July 29.
Robot lip action. G. A. Magruder. 2,250,916; July 29.
Rock drill. J. C. Curtis. 2,251,223–4; July 29.
Roller, Portable power-driven metal. E. C. Blevins. 2,251,030; July 29.
Rolling door with releasable guide groove. J. S. Poorman and R. H. Greegor. 2,250,604; July 29.
Roof flashing. W. H. C. Ness. 2,250,548; July 29.
Roofing construction, Frame. H. R. Hoeckendorf. 2,250,911; July 29.
Rotary engine. B. G. Jutting. 2,250,484; July 29.
Rotation of apparatus within drill pipe or the like, Measuring. L. S. Dewecs. 2,251,040; July 29.
Rudder, Flanking. H. H. Horstman. 2,251,133; July 29.
Rug machine. A. Wright. 2,250,615; July 29.
Rug pad. E. M. Jamgotchian. 2,250,669; July 29.
Safety device. C. J. Gardner. 2,251,125; July 29.
Salts of methazonic acid, Alkylamine. S. B. Lippincott. 2,251,229; July 29.
Sampling device and method of obtaining samples, Liquid depth. R. D. Nichols. 2,250,722; July 29.
Sausage stuffer. N. C. Gross. 2,250,707; July 29.
Saw-tooth wave generator. M. Geiger. 2,250,706; July 29.
Screen: *See*—
Well screen.
Screw operated jack. L. E. Feeney. 2,250,627; July 29.
Seal. J. T. Cooper. 2,250,748; July 29.
Seal, Fluid. O. Brummer. 2,251,219; July 29.
Seamless hollow bodies, Producing. K. Bratring. 2,251,108; July 29.
Sear mechanism. G. Sosso. 2,251,174; July 29.
Seat construction. N. C. Clark. 2,251,036; July 29.
Seat construction. F. M. Shanahan. 2,251,072; July 29.
Selector. H. Burton. 2,250,856; July 29.
Separating vapors. H. R. Legatski. 2,250,716; July 29.
Service call device. W. F. Wesley and M. H. Lofback. 2,251,180; July 29.
Sewing machine, Blind stitch. M. Buono. 2,250,745; July 29.
Sewing machine construction. P. C. Dearborn. 2,250,573; July 29.
Sewing machine, Shoe. O. R. Haas. 2,250,953; July 29.
Sewing machine, Shoe. E. E. Winkley. 2,250,939; July 29.
Sewing mechanism. S. W. Avis. 2,250,696; July 29.
Shaft coupling. H. C. Edwards. 2,250,448; July 29.
Sharpener, Pencil. E. C. Hoffmann. 2,251,053; July 29.
Sharpening device. H. L. Hindle, Jr. 2,250,867; July 29.
Shear. F. E. Munschauer. 2,251,153; July 29.
Shearing machine, Metal. A. E. Tangren. 2,250,897; July 29.
Shell body and making the same. C. A. Witter. 2,251,094; July 29.
Shield for automobiles, Anti-glare shadow. M. J. La Belle, Sr. 2,251,193; July 29.
Shoe sole, heel, and the like. E. W. Dunbar. 2,250,987; July 29.
Shoulder pad, Football. E. M. Lookabaugh. 2,251,018; July 29.
Shower head. E. Krumsiek, R. Kileen, and E. M. Reedy. 2,251,192; July 29.
Shrinking and drying cloth, Process of. D. Gessner. 2,251,127; July 29.
Side construction for railway cars. V. Willoughby. 2,250,562; July 29.
Sight for firearms. C. E. Ekdahl. 2,250,861; July 29.
Signal: *See*—
Reflector signal. Wigwag signal.
Signal. E. E. Larson. 2,250,587; July 29.
Signal and locking means for printing apparatus. W. B. Payne. 2,251,162; July 29.
Signal translating apparatus. F. Gray. 2,250,527; July 29.
Signal translating apparatus. F. Gray and J. B. Johnson. 2,250,529; July 29.
Signal translating system and apparatus. F. Gray. 2,250,528; July 29.
Signaling circuit. M. Kieser. 2,250,769; July 29.
Signaling system. A. C. Donovan, Jr. 2,250,928; July 29.
Signaling system. F. E. Weld. 2,250,922; July 29.
Signaling system, Railway. R. K. Crooks. 2,251,117; July 29.
Ski. B. W. Svensson. 2,250,684; July 29.
Skiving machine. E. J. Ray. 2,250,497–8; July 29.
Sliding door latch. H. Kump. 2,250,585; July 29.
Slipper bearing, Molded composition. T. L. Gatke. 2,251,126; July 29.
Smoking pipe, Air conditioned and sanitary. A. E. Brandon. 2,250,569; July 29.
Smoothing sleeved articles on pressing tables and the like. F. A. Wiegman. 2,251,091; July 29.
Solvent extraction process. R. G. Gillespie. 2,250,579; July 29.
Sound reproduction. J. D. Reid. 2,251,204; July 29.
Spark plug. G. S. Weinerth. 2,251,179; July 29.
Spark plug electrode. H. S. Cooper. 2,250,905; July 29.
Speed recording method and device. F. Abell. 2,250,442; July 29.
Speed regulator. J. Vincent. 2,251,087; July 29.
Speed warning system. J. C. Weaver. 2,250,514; July 29.
Splint, Bone. O. Stader. 2,251,209; July 29.
Sponge, Fountain. W. E. Habeck. 2,250,909; July 29.
Spool. R. Atwood. 2,250,563; July 29.
Spool. R. Atwood 2,250,564; July 29.
Spout, Trimming. E. B. Strom and F. F. Lewis. 2,251,079; July 29.
Spraying apparatus. M. M. Savedoff. 2,250,783; July 29.
Spring bumper and draft gear. H. H. Pancake. 2,250,600; July 29.
Spring drawhead and buffer. R. C. Kepner. 2,250,537; July 29.
Sprinkler. J. S. Donnellan. 2,250,525; July 29.
Square, Combination. D. L. Sigmon. 2,251,208; July 29.
Stabilizer for elevatable platforms. P. G. Pritz. 2,250,965; July 29.
Staple fibre, Making wooly fabrics. E. Jacobsberg. 2,250,914; July 29.
Steam boiler. C. Z. Alexander. 2,250,900; July 29.
Steam generating apparatus. J. E. Kennedy. 2,250,536; July 29.
Steel, Alloy. L. G. Selmi and C. L. Altenburger. 2,250,505; July 29.
Steering gear. K. K. Probst. 2,251,167; July 29.
Sterilization process. J. Eisenbrand and H. Picher. 2,250,474; July 29.
Sterilization process. J. Eisenbrand and H. Picher. 2,251,042; July 29.

Stitch-forming mechanism for sewing machines. S. Zonis. 2,250,616; July 29.
Storage tube, Image. R. Möller and W. Hartmann. 2,250,721; July 29.
Stove. C. Ehret. 2,250,859; July 29.
Strainer. F. Metsch. 2,250,646; July 29.
Strand handling apparatus. L. L. Weaver. 2,250,689; July 29.
Subway rail car. E. J. W. Ragsdale. 2,251,230; July 29.
Sulphur removal from gases. J. C. Woodhouse. 2,251,216; July 29.
Supercharged two-cycle engine. L. N. Miller. 2,250,492; July 29.
Superheater, Radiant. W. R. Wood. 2,250,849; July 29.
Support: *See*—
Typewriter support.
Supporter, Abdominal. H. J. Lunney. 2,250,807; July 29.
Surface covering material and the like and making same. N. P. Harshberger. 2,250,482; July 29.
Switch: *See*—
Disconnecting switch.
Switch. P. S. Bear. 2,251,011; July 29.
Switching arrangement, Successive. H. J. Appel. 2,250,453; July 29.
Symbol printing mechanism for accounting machines. W. A. Anderson. 2,251,099; July 29.
Synchronizing mechanism for aircraft engines. G. Algarsson. 2,250,695; July 29.
Syringe. S. F. Cole. 2,250,467; July 29.
System and method for production of electromagnetic waves. R. S. Ohl. 2,250,934; July 29.
System for building voltages for deflecting cathode rays. P. C. Goldmark. 2,250,479; July 29.
System for phototransmission. E. R. Evans. 2,250,476; July 29.
Table: *See*—
Folding table. Water table.
Taper attachment. W. F. Groene and G. W. Luning. 2,250,633; July 29.
Teakettle. A. Maber. 2,250,892; July 29.
Telegraph apparatus. J. W. Long and G. I. Roberts. 2,250,717; July 29.
Telephone system. W. Kusche. 2,250,770; July 29.
Telephone system. H. Töpfer. 2,250,735; July 29.
Teletypewriter. C. R. Doty. 2,250,857; July 29.
Temperature actuated safety system. R. A. Wittmann. 2,250,738; July 29.
Tens-carry mechanism. O. L. Cleven. 2,251,249; July 29.
Tensioning device. G. P. Lessmann. 2,250,540–1; July 29.
Terminal and making it. R. Temple, Jr. 2,251,176; July 29.
Tester, Hydrometric. E. A. Stromberg. 2,250,779; July 29.
Textile material and the production thereof. H. Dreyfus. 2,250,575; July 29.
Thermal voltage responsive relay. T. A. Rich and L. R. Runaldue. 2,251,004; July 29.
Thermometric instrument. A. Tauscher. 2,250,784; July 29.
Thread-cutting mechanism for sewing machines. E. P. Spaine and H. C. Faulkner. 2,250,973; July 29.
Thread or the like, Winding. T. Grogan. 2,251,212; July 29.
Thrust bearing. A. W. Hill. 2,250,668; July 29.
Time interval measuring means. F. Herz. 2,250,708; July 29.
Timing device. S. Eskin. 2,250,989; July 29.
Timing device. N. Miller. 2,250,997; July 29.
Timing device. R. A. Winborne. 2,250,979; July 29.
Tin, Electrolytic deposit of. R. T. Robinson. 2,250,843; July 29.
Tin oxide, Production of. A. Pintér. 2,250,552; July 29.
Tire casing spreader. G. I. Anderson. 2,250,740; July 29.
Tissue holder. J. S. Rubin 2,250,605; July 29.
Tobacco pipe. S. La Franca. 2,250,994; July 29.
Tobacco strippers, Delivery for. R. E. Rundell. 2,250,502; July 29.
Toilet. E. T. Price. 2,250,652; July 29.
Tool: *See*—
Dental tool. Machine tool.
Garden tool.
Tool for opening and closing envelope flap fasteners, Setting. B. K. Williams. 2,250,848; July 29.
Tooth, Dipper. V. N. Seal. 2,251,169; July 29.
Tooth for earth digging devices. B. Coffman. 2,250,904; July 29.
Toothbrush, Fountain. C. P. French. 2,250,758; July 29.
Torque measuring wrench. H. W. Zimmerman. 2,250,941; July 29.
Torque wrench. C. T. Torresen. 2,250,736; July 29.
Towing machine. M. B. Benson. 2,250,985; July 29.
Toy airplane. J. H. West. 2,251,090; July 29.
Toy, Wheeled figure. E. S. Savage. 2,251,006; July 29.
Traction device, Auxiliary. S. R. Johnson. 2,250,713; July 29.
Tractor jack. T. W. Poor and J. E. and H. T. Kisinger. 2,250,964; July 29.
Tractor safety control. C. H. Dooley. 2,250,754; July 29.
Trailer coupling. J. R. Thorp and S. Strand. 2,250,661; July 29.
Transfer and orienting mechanism. O. Ogrodowy. 2,251,158; July 29.
Transmission, Automatic. C. W. Lanphere. 2,251,213; July 29.
Transmission, Automatic. F. W. Seybold. 2,251,170; July 29.
Transmission, Automatic pneumatic. C. W. Lanphere. 2,251,257; July 29.
Transmission drive. L. H. Logue. 2,250,806; July 29.
Transmission gearing. F. W. Cotterman. 2,250,889; July 29.
Transmitter control circuit. J. L. Finch. 2,250,578; July 29.
Transmitter, High frequency. W. Buschbeck. 2,250,571; July 29.
Transmitter unit, Electric. G. Abel. 2,250,981; July 29.
Trap: *See*—
Animal trap.
Trap. J. Conners. 2,250,823; July 29.
Trap for dredger suction pipe. C. F. York and R. C. Malmsten. 2,250,693; July 29.
Truck and brake arrangement therefor. C. L. Eksergian. 2,250,988; July 29.
Truck assembly for vehicles, Independent. E. R. Schroeder. 2,250,554; July 29.
Truck or transporting device. C. K. Ernst. 2,250,475; July 29.
Tube: *See*—
Amplifying tube. X-ray tube.
Storage tube.
Tubular articles. H. S. Riddle. 2,250,961; July 29.
Tumbler rinser. W. A. Lau. 2,251,059; July 29.
Tuning system, Automatic. G. L. Beers. 2,250,519; July 29.
Turbodrive control. H. O. Schjolin. 2,250,656; July 29.
Turbotransmission for braking vehicles. F. Canaan. 2,250,702; July 29.
Type chase. F. Kohnle. 2,251,227; July 29.
Typewriter support. F. E. Oneal. 2,251,198; July 29.
Typewriting and computing machine, Combined. H. L. Pitman. 2,251,165; July 29.
Typewriting machine. W. A. Dobson. 2,251,122; July 29.
Typewriting machine. M. H. Mann. 2,251,147; July 29.
Undercarriage and pressure reservoir of aircraft. G. H. Dowty. 2,251,239; July 29.
Undergarment. P. Snyder. 2,250,506; July 29.
Universal level. J. P. Lannen. 2,250,771; July 29.
Upholstery construction. A. M. Bank. 2,251,103–4; July 29.
Upholstery cord. W. E. Sackner. 2,250,776; July 29.
Upholstery machine. E. M. Kennedy. 2,250,768; July 29.
Vacuum-tight metal-to-ceramic seal and making same. G. Dobke. 2,250,986; July 29.
Valve: *See*—
Mixing valve. Nonrepeat valve.
Valve. S. D. Van Dyke and W. T. Plum. 2,251,086; July 29.
Valve construction. R. D. Feick. 2,250,793; July 29.
Valve control system, Electric. M. E. Bivens. 2,251,237; July 29.
Valve tappet. E. L. Dayton. 2,250,752; July 29.
Variable wave generator. M. Wolf. 2,250,819; July 29.
Vehicle: *See*—
Foot pedal propelled vehicle.
Rail vehicle.
Vehicle frame. L. Saives. 2,250,654; July 29.
Velocipede. M. A. Blu. 2,250,744; July 29.
Vending machine. J. E. Hagstrom. 2,250,816; July 29.
Ventilator for moving vehicles. N. L. Willer. 2,250,614; July 29.
Voting machine. R. F. Shoup. 2,251,254–5; July 29.
Walking beam assembly. R. G. de la Mater. 2,250,626; July 29.
Wall flashing. G. E. Swenson. 2,250,733; July 29.
Washer: *See*—
Laundry washer.
Washing apparatus. E. S. Stoddard. 2,250,974; July 29.
Water and treating liquids, Purifying. F. G. Merckel. 2,251,149; July 29.
Water table, Resilient. T. C. Little. 2,251,061; July 29.
Wax composition and preparing the same, Synthetic. C. Dangelmajer. 2,251,225; July 29.
Wax suppressor. R. J. Narberes and F. Derbenwick. 2,250,998; July 29.
Waxer, Floor. J. S. Wise. 2,250,692; July 29.
Wear compensating means for rail-joints. J. W. Skeel. 2,250,880; July 29.
Weather strip. H. A. Bedol. 2,250,821; July 29.
Weatherproof box for electric circuit breakers and other electrical devices. R. M. Walker. 2,250,977; July 29.
Web roller. L. G. Hunter. 2,250,957; July 29.
Welding. L. F. Argentin. 2,250,617; July 29.
Welding, Art of. E. A. Zahn and J. R. Patterson. 2,250,940; July 29.
Welding electrode. J. W. Meadowcroft and C. Scull. 2,250,645; July 29.
Welding rails. G. L. Jones and C. B. Roede. 2,250,869–70; July 29.
Well drilling system. T. B. Hudson and W. S. Gerber. 2,250,912; July 29.
Well screen. W. J. Lumbert. 2,250,871; July 29.
Welting and its manufacture. W. C. Vizard. 2,251,178; July 29.
Wheel: *See*—
Blade wheel. Resilient wheel.
Grinding wheel.
Wheel assembly. R. M. Lindsay. 2,251,142; July 29.

Wheelbarrow wheel mounting. L. H. Garlinghouse. 2,250,797; July 29.
Wigwag signal. L. Cristofoli. 2,251,116; July 29.
Winding for electrical apparatus. S. H. Mortensen. 2,251,152; July 29.
Window construction. W. L. Kraemer. 2,251,140; July 29.
Window construction. E. Peremi and L. Toth. 2,250,723; July 29.
Window lock. R. L. Woodward, Jr. 2,251,182; July 29.
Window sash construction, Multiple. A. G. Larson. 2,251,251; July 29.
Windshield wiper motor. H. G. Kellogg. 2,251,240; July 29.
Windshield wiper operating means. H. G. Kellogg. 2,251,241; July 29.
Wire and wire making. M. Simons. 2,250,610; July 29.
Wire-drawing machine. A. G. Blodgett. 2,250,886; July 29.
Wire spring and spring structure. J. Kronheim. 2,250,486; July 29.
Wool and silk, Treatment of. J. G. Evans and C. E. Saikeld. 2,250,930; July 29.
Wrench: *See*—
Torque measuring wrench. Torque wrench.
X-ray tube. A. Mutscheller. 2,250,963; July 29.
Yarn carrier for knitting machines. O. F. Smetana. 2,250,972; July 29.
Yarn, Novelty. G. Bauriedel and E. Sellner. 2,251,247; July 29.
Yarn take-off and tension means. P. B. Briggs. 2,250,701; July 29.
Zip fastener. M. Stein. 2,251,078; July 29.

CLASSIFICATION OF PATENTS

ISSUED JULY 29, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 59: 2,250,848
2— 2: 2,251,018
8: 2,251,194
21: 2,250,766
41: 2,250,807
49: 2,250,887
75: 2,250,750
161: 2,251,027
198: 2,251,191
224: 2,250,506
3— 2: 2,251,065
4— 6: 2,251,039
142: 2,250,652
5— 351: 2,250,800
7— 14.1: 2,251,183
8— 128: 2,250,930
10— 56: 2,251,201
12— 15: 2,250,678
31.5: 2,250,665
49.1: 2,250,443
146: 2,251,178
15— 12: 2,251,069
22: 2,250,975
129: 2,250,878
130: 2,250,909
137: 2,250,758
16— 8: 2,250,669
17— 35: 2,250,707
18— 1: 2,250,697
24: 2,251,107
47.5: 2,250,967
53: 2,251,047
54: 2,250,929
2,251,247
58: 2,250,958
2,251,108
2,251,109
19— 99: 2,250,499
141: 2,251,031
20— 42: 2,251,251
56.4: 2,250,624
68: 2,250,821
21— 6.5: 2,250,483
58: 2,250,943
22— 73: 2,250,913
189: 2,250,488
23— 2: 2,251,216
3: 2,251,000
19: 2,250,851
73: 2,250,756
123: 2,250,926
144: 2,250,552
145: 2,250,789
232: Re.21,865
310: 2,250,976
24— 23: 2,250,748
33: 2,250,549
81: 2,250,743
205: 2,251,078
2,251,137
260: 2,250,469
25— 45: 2,250,576
118: 2,250,839
26— 18.5: 2,251,127
27— 6: 2,250,824
19: 2,250,704
28— 1: 2,250,914
40: 2,250,728
57: 2,251,226
29— 1: 2,250,542
1.21: 2,251,094
26: 2,250,594
2,250,595
2,251,015
2,251,016
33: 2,250,610
38: 2,251,034
95: 2,251,007
148: 2,250,653
29— 148: 2,251,112
157.3: 2,251,074
157.6: 2,250,879
188: 2,250,561
30— 16: 2,251,200
63: 2,251,008
140: 2,250,602
247: 2,250,589
257: 2,250,638
329: 2,250,796
31— 24: 2,250,760
32— 26: 2,251,057
60: 2,251,206
33— 1: 2,251,040
2: 2,250,711
56: 2,250,861
93: 2,251,208
115: 2,250,830
141: 2,250,462
190: 2,250,718
203: 2,250,742
212: 2,250,771
34— 39: 2,250,773
35— 14: 2,250,466
36— 7.1: 2,250,794
37— 142: 2,250,904
2,251,169
38— 12: 2,251,091
40: 2,250,715
40— 1: 2,250,583
4: 2,251,022
154: 2,250,491
42— 4: 2,251,174
43— 21: 2,251,123
27: 2,250,832
42: 2,250,478
56: 2,250,942
67: 2,250,823
83.5: 2,250,639
110: 2,250,894
44— 9: 2,250,501
2,251,156
2,251,157
45— 57: 2,250,808
68: 2,250,454
2,250,455
77: 2,250,895
46— 79: 2,251,090
107: 2,251,006
118: 2,250,916
48— 107: 2,251,084
49— 1: 2,251,159
5: 2,250,515
19: 2,251,010
45: 2,250,628
2,251,106
2,251,160
65: 2,251,130
82: 2,251,141
51— 9: 2,250,500
2,251,233
74: 2,250,720
120: 2,251,033
141: 2,251,110
209: 2,250,580
211: 2,250,867
283: 2,251,161
53— 3: 2,250,858
7: 2,251,111
8: 2,250,709
9: 2,250,892
55— 51: 2,251,210
56— 25.4: 2,251,023
153: 2,250,948
202: 2,250,846
57— 2: 2,250,575
15: 2,250,689
150: 2,250,776
58— 126: 2,251,021
60— 52: 2,250,705
94: 2,250,872
97: 2,250,695
61— 60: 2,250,908
62— 1: 2,250,903
4: 2,250,952
5: 2,250,945
2,250,960
2,250,971
92: 2,251,203
102: 2,250,557
2,250,612
116: 2,250,648
119.5: 2,250,944
2,250,970
2,250,978
175.5: 2,250,949
64— 7: 2,251,126
29: 2,250,736
30: 2,250,881
65— 31: 2,251,164
66— 13: 2,250,658
126: 2,250,972
129: 2,250,791
149: 2,250,731
153: 2,251,222
170: 2,250,863
201: 2,250,588
67— 55: 2,250,710
68— 142: 2,250,659
69— 9.5: 2,250,497
2,250,498
21: 2,250,888
70— 145: 2,250,447
285: 2,251,145
2,251,146
72— 44: 2,250,763
86: 2,250,951
115: 2,250,798
127: 2,250,733
73— 205: 2,250,700
299: 2,250,676
361: 2,250,712
74— 10: 2,250,761
41: 2,250,626
52: 2,250,584
60: 2,250,608
96: 2,250,938
189.5: 2,250,656
2,251,170
223: 2,250,806
260: 2,250,889
336.5: 2,251,213
2,251,257
473: 2,250,820
498: 2,251,167
516: 2,250,765
526: 2,251,087
543: 2,251,168
75— 6: 2,251,248
122: 2,250,687
125: 2,251,163
126: 2,250,505
130: 2,250,489
134: 2,250,470
135: 2,251,088
2,251,089
77— 2: 2,250,788
24: 2,250,845
80— 35: 2,250,540
2,250,541
82— 17: 2,250,633
31: 2,250,640
40: 2,250,631
2,250,632
2,250,634
84— 1.21: 2,251,051
1.25: 2,251,052
102: 2,250,827
84— 423: 2,250,522
85— 19: 2,251,202
32: 2,250,787
88— 16: 2,250,442
16.6: 2,251,177
20: 2,250,521
24: Re.21,866
2,251,184
28: 2,251,077
54: 2,250,597
78: 2,250,620
82: 2,250,621
87: 2,250,896
221: 2,250,939
237: 2,250,992
252: 2,250,973
90— 18: 2,251,035
33: 2,251,154
62: 2,251,166
91— 12.2: 2,250,783
29: 2,250,918
49: 2,250,692
50: 2,250,611
67.2: 2,250,444
68: 2,250,482
92— 56: 2,251,243
93— 2: 2,251,102
6: 2,250,921
27: 2,250,699
36.5: 2,250,799
54.2: 2,250,917
94— 11: 2,250,890
46: 2,251,095
95— 5.1: 2,250,873
10: 2,250,898
94: 2,251,232
97— 68: 2,251,048
98— 2: 2,250,619
10: 2,250,618
13: 2,250,614
99— 135: 2,251,070
100— 57: 2,250,649
101— 20: 2,251,162
92: 2,250,534
149: 2,250,516
365: 2,251,032
393: 2,251,227
102— 6: 2,250,935
27: 2,251,037
103— 11: 2,250,551
16: 2,250,865
38: 2,250,539
104: 2,251,231
111: 2,251,020
113: 2,250,714
118: 2,250,947
149: 2,251,235
187: 2,250,792
203: 2,251,105
232: 2,250,465
105— 4: 2,250,609
38: 2,250,543
179: 2,250,554
186: 2,250,650
224: 2,250,568
247: 2,250,592
280: 2,250,591
307: 2,250,524
364: 2,250,538
2,250,555
2,250,590
375: 2,250,570
377: 2,250,535
397: 2,250,523
423: 2,250,562
106— 5: 2,250,667
48: 2,250,456
2,250,457
220: 2,251,225
290: 2,250,955
2,250,956
296: 2,251,256
107— 7: 2,251,172
108— 1: 2,250,911
26: 2,250,548
103: 2,251,029
111— 51: 2,250,719
112— 2: 2,250,615
2,250,768
57: 2,250,953
159: 2,250,696
178: 2,250,573
2,250,745
184: 2,250,616
221: 2,250,939
237: 2,250,992
252: 2,250,973
113— 42: 2,250,450
112: 2,250,986
114— 163: 2,251,133
177: 2,251,140
115— 17: 2,250,822
119— 48: 2,250,818
74: 2,250,759
120— 59: 2,250,804
96: 2,251,053
121— 1: 2,251,241
10: 2,251,224
30: 2,250,449
69: 2,250,726
123: 2,251,240
122— 37: 2,250,900
336: 2,250,536
481: 2,250,849
123— 15: 2,250,484
52: 2,250,814
74: 2,250,492
90: 2,250,752
122: 2,250,786
139: 2,250,877
169: 2,250,905
2,251,179
195: 2,250,809
126— 91: 2,250,680
110: 2,250,893
200: 2,250,859
351: 2,250,738
128— 92: 2,251,209
148: 2,251,139
218: 2,250,467
346: 2,250,605
129— 16: 2,250,625
131— 108: 2,250,481
124: 2,250,502
195: 2,250,569
205: 2,250,994
215: 2,250,643
240: 2,250,451
255: 2,250,452
132— 33: 2,251,060
136— 177: 2,250,817
137— 18: 2,250,722
215: 2,250,974
53: 2,250,767
69: 2,251,086
111: 2,250,464
144: 2,250,453
2,250,507
157: 2,250,674
139— 25: 2,250,833
37: 2,250,901
256: 2,250,866
141— 3: 2,251,059
146— 95: 2,250,651
148— 6: 2,250,472
2,250,473
2,250,508
149— 8: 2,250,679
150— 2.2: 2,250,840
151— 32: 2,250,753
152— 105: 2,251,063
153— 2: 2,251,176
48: 2,251,030
49: 2,251,218
154— 2: 2,250,636
9: 2,250,740
40: 2,250,533
44: 2,250,683
155— 26: 2,250,803
179: 2,250,486
2,251,036
2,251,043
2,251,049
2,251,103
2,251,104
180: 2,251,072
188: 2,251,141
194: 2,250,790
156— 36: 2,250,957
161— 1: 2,250,919
16: 2,250,979
2,250,989
2,250,997
18: 2,251,250
164— 0.7: 2,250,688
17: 2,250,641
22: 2,251,135
23: 2,250,655
47: 2,250,931
51: 2,251,153
56: 2,250,897
76: 2,251,199
84.5: 2,250,572
99: 2,250,593
166— 2: 2,251,244
5: 2,250,871
20: 2,250,775
167— 52: 2,251,042
58: 2,250,474
2,250,504
68: 2,250,553
169— 4: 2,251,175
170— 148: 2,250,772
163: 2,250,694
164: 2,250,826
171— 95: 2,250,708
97: 2,250,923
2,250,924
209: 2,250,682
252: 2,251,152
327: 2,250,496
172— 126: 2,251,116
239: 2,251,054
173— 259: 2,250,841
334.1: 2,250,513
174— 128: 2,250,907
175— 41.5: 2,250,471
182: 2,250,703
183: 2,250,458
2,250,459
2,250,460
320: 2,251,004
176— 126: 2,251,045
2,251,046
2,251,062
177— 311: 2,250,941
2,251,044
311.5: 2,250,587
314: 2,250,828
2,250,834
332: 2,250,856
337: 2,250,969
354: 2,250,922
367: 2,250,928
178— 6.7: 2,250,730
6.8: 2,250,476
7.2: 2,250,479
2,250,927
25: 2,250,717

178— 44: 2,250,461
2,250,934
2,251,028
2,251,085
179— 6.5: 2,251,073
7.1: 2,250,735
15: 2,250,528
36: 2,250,770
81: 2,250,769
100.11: 2,250,724
108: 2,251,001
135: 2,250,781
171: 2,250,559
2,250,598
2,250,606
2,250,613
2,250,884
2,250,996
2,251,151
171.5: 2,250,571
180— 64: 2,250,654
68: 2,250,795
82: 2,250,754
82.1: 2,251,186
183— 6: 2,250,864
21: 2,250,757
51: 2,251,252
115: 2,250,925
184— 6: 2,250,512
188— 20: 2,250,990
153: 2,250,988
195: 2,250,725
236: 2,250,637
189— 34: 2,251,014
56: 2,250,604
72: 2,250,723
86: 2,250,764
88: 2,250,582
92: 2,250,780
191— 35: 2,251,230
192— .01: 2,250,835
.02: 2,251,100
2: 2,250,586
3.2: 2,250,885
4: 2,250,702
18: 2,250,981
68: 2,250,883
2,251,128
2,251,143
84: 2,250,882
144: 2,250,629
193— 3: 2,251,079
196— 8: 2,250,716
13: 2,250,579
29: 2,250,915
75: 2,250,991
197— 6.4: 2,250,567
19: 2,250,857

197— 66: 2,251,096
2,251,147
73: 2,251,122
198— 2: 2,250,933
33: 2,250,518
85: 2,251,197
220: 2,251,118
200— 6: 2,251,098
56: 2,251,129
80: 2,250,514
86: 2,251,180
92: 2,251,171
137: 2,251,003
141: 2,250,784
150: 2,250,566
2,250,599
152: 2,251,011
168: 2,251,056
169: 2,251,115
201— 55: 2,250,959
202— 36: Re.21,869
48: 2,251,081
161: 2,251,185
262: 2,251,242
204— 43: 2,250,842
52: 2,250,556
122: 2,250,843
180: 2,251,082
2,251,083
252: 2,250,937
205— 14: 2,250,886
21: 2,251,092
206— 0.5: 2,251,080
7: 2,250,547
52: 2,251,076
56: 2,250,876
2,251,136
209— 166: 2,251,217
310: 2,250,737
210— 24: 2,251,234
28: 2,251,149
159: 2,250,646
167: 2,250,693
178: 2,250,672
211— 65: 2,251,119
213— 9: 2,250,537
2,250,600
64: 2,250,920
154: 2,250,993
214— 1: 2,251,158
1.1: 2,250,490
17: 2,251,121
36: 2,250,852
65.4: 2,250,475
78: 2,250,902
215— 46: 2,250,544
2,250,666
219— 4: 2,250,645

219— 4: 2,250,869
10: 2,250,617
2,250,870
2,250,940
19: 2,250,966
38: 2,250,691
39: 2,250,623
220— 3.8: 2,250,977
10: 2,250,749
30: 2,250,729
85: 2,251,187
221— 69: 2,250,910
116: 2,250,968
223— 77: 2,250,747
224— 26: 2,250,782
226— 99: 2,250,603
229— 8.5: 2,250,995
23: 2,250,746
51: 2,250,875
52: 2,251,017
53: 2,250,980
230— 211: 2,250,446
234— 68: 2,250,509
235— 55: 2,251,254
2,251,255
60: 2,250,837
2,251,097
2,251,099
2,251,165
61: 2,250,739
2,251,155
61.6: 2,250,847
137: 2,251,249
144: Re.21,867
236— 1: 2,251,055
12: 2,250,815
15: 2,251,019
46: 2,250,899
2,251,246
92: 2,250,946
238— 244: 2,250,880
279: 2,250,785
292: 2,250,891
349: 2,251,196
356: Re.21,868
240— 5: 2,250,860
7.35: 2,250,954
2,251,050
11.3: 2,250,644
2,250,855
62.3: 2,250,734
78: 2,251,024
242— 53: 2,251,063
55.4: 2,250,774
84: 2,250,494
123: 2,250,563
2,250,564
130: 2,250,560

242— 134: 2,250,675
136: 2,250,741
146: 2,251,188
148: 2,251,205
150: 2,250,701
243— 16: 2,250,810
34: 2,251,238
244— 104: 2,251,239
136: 2,250,762
246— 34: 2,251,117
248— 68: 2,250,732
198: 2,250,635
258: 2,251,067
304: 2,250,831
250— 8: 2,250,550
14: 2,250,936
15: 2,250,532
2,250,950
17: 2,250,578
20: 2,250,581
2,250,596
2,250,829
2,250,862
27: 2,250,874
2,250,961
2,251,114
2,251,237
27.5: 2,250,647
2,250,698
2,251,002
33: 2,250,531
2,251,131
36: 2,250,511
2,250,526
2,250,686
2,250,706
2,250,819
2,251,025
40: 2,250,519
2,251,064
2,251,068
2,251,075
49.5: 2,251,190
144: 2,250,963
150: 2,250,527
2,250,529
2,250,721
2,251,124
156: 2,250,622
251— 53: 2,250,906
144: 2,250,793
159: 2,250,813
252— 18: 2,251,060
32: 2,250,908
46: 2,250,545
254— 8: 2,250,577
86: 2,250,964
89: 2,250,965

254— 103: 2,250,627
172: 2,250,985
190: 2,251,061
255— 1.8: 2,250,574
4: 2,250,912
19: 2,250,670
2,250,671
2,251,013
27: 2,251,113
28: 2,251,125
45: 2,251,223
257— 245: 2,251,066
259— 105: 2,250,838
260— 9: 2,250,662
2,250,663
2,250,681
36: 2,250,664
83: 2,250,485
211: 2,250,999
289: 2,250,660
291: 2,251,041
332: 2,250,630
397.5: 2,250,962
435: 2,251,101
451: 2,250,468
484: 2,250,487
496: 2,250,520
499: 2,251,215
501: 2,251,229
570.8: 2,251,245
611: 2,251,214
615: 2,251,236
617: 2,250,445
619: 2,250,480
678: 2,250,558
742: 2,250,987
750: 2,251,220
261— 10: 2,250,777
37: 2,250,932
263— 23: 2,251,150
264— 3: 2,250,982
2,250,983
2,250,984
265— 46: 2,250,779
266— 5: 2,250,868
21: 2,251,181
271— 2.4: 2,250,677
2.5: 2,250,530
79: 2,250,657
87: 2,251,221
272— 57: 2,250,493
72: 2,251,120
273— 42: 2,250,503
45: 2,250,690
98: 2,250,802
121: 2,251,009
124: 2,250,778
2 — 10: 2,251,026

274— 17: 2,251,173
38: 2,251,204
280—11.13: 2,250,684
33.15: 2,250,661
51: 2,250,797
258: 2,251,005
288: 2,250,805
291: 2,250,744
281— 29: 2,250,755
284— 4: 2,251,071
285— 6.5: 2,250,685
30: 2,251,253
123: 2,250,517
193: 2,250,477
286— 6: 2,251,195
11: 2,251,012
287— 103: 2,250,463
109: 2,251,189
125: 2,250,495
129: 2,250,448
288— 2: 2,251,219
15: 2,251,211
290— 17: 2,250,673
292— 46: 2,250,585
67: 2,251,207
101: 2,251,182
128: 2,251,138
145: 2,251,038
169: 2,250,727
293— 55: 2,250,565
294— 20: 2,251,148
91: 2,250,642
104: 2,250,836
117: 2,250,751
296— 28: 2,250,510
97: 2,251,193
298— 22: 2,250,825
299— 24: 2,251,058
56: 2,250,525
136: 2,251,192
300— 2: 2,250,812
301— 5.7: 2,251,142
47: 2,250,713
302— 37: 2,250,844
303— 3: 2,251,132
308— 5: 2,250,607
41: 2,250,853
2,250,854
73: 2,250,546
88: 2,250,811
180: 2,250,601
184: 2,251,228
207: 2,250,801
231: 2,250,668
311— 60: 2,251,134
312— 28: 2,251,198
97.1: 2,250,816

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,250,442: 88— 16
2,250,451: 131— 240
2,250,453: 137— 144
2,250,456: 106— 48
2,250,483: 21— 6.5
2,250,507: 137— 144
2,250,509: 234— 68
2,250,516: 101— 149
2,250,527: 250— 150
2,250,529: 250— 150
2,250,551: 103— 11
2,250,574: 255— 1.8
2,250,612: 62— 102
2,250,622: 250— 157
2,250,654: 180— 61
2,250,662: 260— 9
2,250,663: 260— 9
2,250,729: 220— 30
2,250,730: 178— 6.7
2,250,738: 125— 351
2,250,756: 23— 73
2,250,774: 242— 55.4
2,250,777: 261— 10
2,250,797: 280— 51
2,250,816: 312— 97.1
2,250,824: 27— 6
2,250,831: 248— 304
2,250,845: 77— 24
2,250,927: 178— 7.2
2,250,931: 164— 47
2,250,933: 198— 2
2,250,948: 56— 153
2,250,967: 18— 47.5
2,250,976: 23— 310
2,250,980: 229— 53
2,251,029: 110— 103
2,251,051: 84— 1.21
2,251,067: 248— 258
2,251,071: 284— 4
2,251,078: 24— 205
2,251,092: 205— 21
2,251,145: 70— 285
2,251,146: 70— 285
2,251,163: 75— 125
2,251,174: 42— 4
2,251,183: 7— 14.1
2,251,190: 250— 49.5
2,251,225: 106— 220
2,251,227: 101— 393
2,251,256: 106— 296

U. S. GOVERNMENT PRINTING OFFICE: 1941

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 528—No. 1 TUESDAY, JULY 1, 1941 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of July 1, 1941	1
Trade-Mark Registrations Canceled	1
Adverse Decisions in Interference	1
Disclaimers	2
Applications Under Examination	
Decisions of the U. S. Courts—	
In re Mock	3
Prahl et al. v. Redman	6
Patent Suits	8
Adjudicated Patents	10
Trade-Marks Published (153 Applications)	11
Trade-Mark Registrations Granted	30
Trade-Mark Registrations Renewed	37
Reissues	41
Plant Patent	42
Patents Granted	43
Designs	209

July 1, 1941

Trade-Marks	179—No.	388,509 to No. 388,687, inclusive.
T. M. Renewals	53	
Reissues	5—No.	21,847 to No. 21,851, inclusive.
Plant Patent	1—No.	478
Patents	693—No.	2,247,345 to No. 2,248,037, inclusive.
Designs	143—No.	127,961 to No. 128,103, inclusive.
Total	1,074	

Trade-Mark Registrations Canceled

210,409. Candies. B. S. & S. M. Bushman, Buffalo, N. Y. Registered March 16, 1926. Canceled June 13, 1941.

250,315. Men's shirts. Boyd-Richardson Company, St. Louis, Mo. Registered December 4, 1928. Canceled May 29, 1941.

252,737. Optical instruments, lenses, and optical products. Louis H. Scadron, New York, N. Y. Registered February 12, 1929. Canceled June 13, 1941.

254,534. Men's work gloves. Knapik & Erickson, Chicago, Ill. Registered March 26, 1929. Canceled June 13, 1941.

291,009. Facial creams. Reuben Wornow, doing business as Le Noble Studio, New York, N. Y. Registered January 26, 1932. Canceled May 29, 1941.

308,031. Air conditioning units. McGraw Electric Company, Chicago, Ill. Registered November 14, 1933. Canceled June 13, 1941.

330,754. Insecticides. The Hammond Paint & Chemical Co., Inc., Beacon, N. Y. Registered December 17, 1935. Canceled May 9, 1941.

375,437. Ice cream, sherbert, ices. Mayflower Ice Cream Company, Inc., Fisherville, Mass. Registered February 20, 1940. Canceled June 13, 1941.

381,800. Indelible liquid printing ink. Carnation Company, Wilmington, Del. Registered October 8, 1940. Canceled June 13, 1941.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,927,522, N. E. Lindenblad, Antenna for radio communication, decided April 24, 1941, claim 4.

Pat. 2,055,408, L. F. Hahn, Terminal cap for spark plugs, decided April 24, 1941, claims 3, 4, 5, 9, 12, 14, 18, 19, 21, and 31.

Pat. 2,179,462, H. S. Young, Railway traffic controlling apparatus, decided June 7, 1941, claims 8 and 9.

Pat. 2,201,335, Bart Cotter, Fastening device, decided June 6, 1941, claims 1 and 5.

Disclaimers

1,790,479.—*William W. Lasker*, Brooklyn, and *Harold R. Russell*, Douglaston, N. Y. Automatic Selecting Bar. Patent dated January 27, 1931. Disclaimer filed June 6, 1941, by the assignee, *Remington Rand Inc.*

Hereby enters this disclaimer to claims 1, 5, 8, 9, 10, 11, 12, 13, 14, and 15 in said specification.

2,112,422.—*Paul J. McCullough* and *Joseph Pavelka, Jr.*, St. Louis, Mo. Switch and Timing Mechanism. Patent dated March 29, 1938. Disclaimer filed May 31, 1941, by the assignee, *Joseph Pavelka*.

Hereby enters this disclaimer to claims 18, 19, 22, 23, and 24 of said Letters Patent.

2,152,392.—*Frank J. Tone*, Niagara Falls, N. Y. Abrasive Article and Method of Manufacturing the Same. Patent dated March 28, 1939. Disclaimer filed June 12, 1941, by the assignee, *The Carborundum Company*.

Hereby disclaims the subject matter of claims 1 and 2 of said Letters Patent.

Condition of Applications Under Examination at Close of Business June 14, 1940

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,854; Trade-Mark Division, 1,417. Oldest new case, Sept. 19, 1940; oldest amended, Sept. 11, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Dec. 31	†Jan. 11	611
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	†Jan. 17	Dec. 27	557
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Apr. 14	†Apr. 11	417
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handing Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Feb. 27	†Feb. 20	552
3077	5. ROBINSON, C. W., Harvesters; Music Acoustics; Sound Recording; Knotters; Buckles, Buttons	†Mar. 3	†Feb. 21	416
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Nov. 18	Nov. 23	1160
5725	7. JARBOE, C. G., Optics; Photography	Dec. 28	Dec. 17	961
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	†Nov. 12	Nov. 12	884
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Jan. 25	†Jan. 27	647
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	†Feb. 15	†Jan. 28	439
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Feb. 5	†Feb. 7	418
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Dec. 19	Dec. 17	547
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Dec. 9	Dec. 6	502
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Feb. 27	†Feb. 21	550
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	†Dec. 19	Dec. 11	1059
5716	16. SPENCER, C. J., Telegraphy; Telephony	†Feb. 5	†Feb. 7	529
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	†Jan. 21	†Jan. 17	564
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Jan. 30	†Jan. 28	446
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 23	†Feb. 6	673
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	†Jan. 23	†Feb. 7	439
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Feb. 21	†Feb. 20	312
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Sept. 20	Sept. 23	1465
7624	23. BUTTNER, W. J., Registers (part)	Oct. 24	Oct. 2	264
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 31	Dec. 18	859
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	†Feb. 11	†Feb. 24	509
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	†Feb. 17	†Feb. 17	390
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	†Jan. 27	†Jan. 22	571
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	†Jan. 25	†Jan. 11	412
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	†Jan. 2	†Jan. 15	709
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Feb. 21	†Feb. 28	533
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	†Jan. 3	†Jan. 3	1366
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	†Feb. 1	†Feb. 3	983
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	†Feb. 3	†Feb. 6	926
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Nov. 28	Dec. 7	459
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Dec. 27	Dec. 23	982
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 27	Dec. 27	524
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 21	†Jan. 11	560
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Sept. 19	Sept. 11	1250
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Feb. 12	†Feb. 11	595
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Nov. 27	Nov. 26	1785
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	†Jan. 15	†Jan. 15	459
5882	42. CUTTING, H. O., Electric Signaling	†Mar. 6	†Jan. 29	320
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Dec. 5	Dec. 14	593
4087 B	44. HARVEY, L. P., Refrigeration	Dec. 12	Dec. 13	628
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Mar. 29	†Mar. 31	342
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	†Jan. 27	†Feb. 4	659
6082	47. KANOF, W. J., Clutches; Brakes	†Jan. 30	†Feb. 11	336
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Feb. 7	†Feb. 7	501
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers: Liquid Purification	Dec. 26	Dec. 19	740
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Dec. 19	Dec. 19	1109
5628	51. BACKUS, C. D., Radiant Energy (part)	†Apr. 4	†Apr. 3	468
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	†Feb. 15	†Feb. 4	647
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Dec. 6	Nov. 23	880
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Jan. 13	Dec. 24	379
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Jan. 23	†Jan. 27	305
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Nov. 20	Nov. 14	1211
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Nov. 1	†Feb. 22	165
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Dec. 2	Dec. 6	519
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Dec. 24	Dec. 23	1018
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	†Jan. 9	†Mar. 29	350
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	†Mar. 12	†Mar. 6	306
5621	62. PUGH, E. C., Games; Geometrical Instruments	†Apr. 3	†Mar. 14	477
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Dec. 6	Dec. 2	1045
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Mar. 14	†Mar. 13	547
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Mar. 28	†Feb. 15	327
2099 B	Trade-Marks: F. A. RICHMOND	†May 2	†May 23	1417
2605	Designs: H. H. KALUPY	†May 14	†May 22	698

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MOCK

No. 4,412. Decided February 24, 1941

[117 F.(2d) 745]

PATENTABILITY—CARBURETOR.

Commercial success being shown, certain claims to a carburetor *Held* patentable over a combination of references cited.

APPEAL from Patent Office. Reversed.

Mr. N. D. Parker, Jr., and *Mr. A. R. McCrady* (*Mr. N. D. Parker, Jr.*, of counsel) for Mock.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

The Primary Examiner in the United States Patent Office rejected all of appellant's claims in an application relating to carburetors. The claims were numbered 8, 10, 13, 15, and 23 to 30, inclusive. The Board of Appeals affirmed the decision of the Examiner, and appellant has appealed here from the decision of the Board. As to claims 24 to 28, inclusive, appellant has moved to dismiss the appeal and the motion is granted and the appeal as to those claims will be dismissed.

The claims before us, being all the claims remaining in the application, are numbered 8, 10, 13, 15, 23, 29, and 30, and were rejected on the prior art. Although all the appealed claims differ somewhat in phraseology, claim 8 may be taken as illustrative and follows:

8. In a carburetor, a section designed to be attached to a part of the engine, a second section separated from the first mentioned section by heat insulation and including a fuel reservoir and a boss projecting therein, a bore in said boss, a fuel nozzle mounted in the bore of said boss and spaced from the walls thereof to form a well, means for supplying fuel from the reservoir directly to said well, ports connecting the well to the nozzle adjacent the midsection of the latter, and venting means at the uppermost portion of said well of sufficiently large cross-section to permit the escape of fuel bubbles therethrough.

The references relied upon are: Udale, 1,618,244, February 22, 1927; Ball et al., 1,881,256, October 4, 1932; Blattner, 2,092,827, September 14, 1937.

Appellant's invention is concerned with the improvement of carburetors so as to avoid what is now well-known in the art as "percolation." Old style carburetors were called updraft carburetors, i. e., the air and fuel went in at the bottom and traveled upward. The instant invention applies to newer models in carburetors known as downdraft carburetors, where the direction of the entrance of the air and fuel is reversed from that of the old style carburetors. The problem of percolation, according to appellant (and his contention in this respect is not questioned here) was not present with updraft carburetors using old style gasoline which had a higher boiling point than the more volatile varieties later produced. With the downdraft carburetor using highly volatile gasoline, the problem became a serious one when the engine became heated and was slowed down to an idling speed or stopped. The more volatile constituents in the gasoline began to boil, in which instance bubbles formed on the metal surface of the nozzle and increased in size by agglomeration until a single large bubble occupied the entire cross-section of the nozzle. The buoyancy of the large bubbles would cause them to rise and escape through the discharge end of the nozzle, pushing ahead of them "slugs" of liquid fuel which would be discharged into the intake passage of the engine. This cycle continued to be repeated, and being similar to that which occurs in an ordinary coffee percolator, the engineers styled it "percolation." The slugs which were discharged into the engine caused it to stall if running slowly, and when the engine was at rest they retarded the starting of the same. The old style carburetor was located farther away from the engine exhaust manifold than in the new style carburetor. The hot exhaust manifold was the chief source of heat which caused the boiling of the fuel.

Figure 3 of appellant's drawings, which is one of the embodiments of the invention and the one with which we are here concerned, together with the pertinent figures in the drawings of the references, are herewith reproduced:

FIGURE 3 OF APPLICANT:

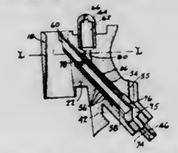


FIGURE 3 OF UDALE:

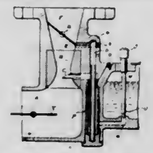
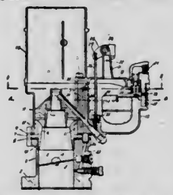
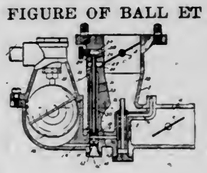


FIGURE 1 OF BLATTNER:



SOLE FIGURE OF BALL ET AL.:



The application of appellant describes the embodiment of his invention here involved, by referring to his drawings in the following terms (the numerals in brackets read on Figure 3; in the specification other numerals, reading on other figures, are given, but the structure referred to is the same):

Operation: The normal level of fuel in the carburetor when the engine is not running is indicated by the line L—L. If now the engine is started and the throttle valve opened sufficiently to draw fuel from the outlet 60, the fuel level in passage [80] will be lowered until air is bled into the bore 58 through port 66, chamber 62, passage [80] and ports [78], to form with the fuel an emulsion in the known manner.

If the engine is allowed to stand while hot, or is run at such speed and tempefature conditions as would otherwise cause "percolation," vapor bubbles which form in well 54 can enter the bore 58 only by passing through the relatively small ports [78], which surface tension prevents their doing. Instead, they will gravitate toward the highest point in well 54, at which point a vent is provided in the form of passage [80]. The bubbles moving upwardly through this passage will carry some liquid fuel upwardly with them; but upon reaching the chamber 62 the vapor will separte itself from the liquid fuel and escape through port 66. The chamber 62 is of sufficient cross section and capacity to permit a considerable quantity of fuel to collect therein without being forced out of the port 66, and hydrostatic pressure will at all times tend to cause a return flow of liquid fuel through passage [80], to the fuel nozzle. The boiling or "percolating" of liquid fuel out of outlet 60 is therefore prevented.

* * * * * * * * * * * * The fuel enters the nozzle through a calibrated orifice 74 formed in plug 46, and thence passes through a slot 75 in the lower end of nozzle 36 to a well 76 communicating with well 54, which in turn communicates with the bore 58 of the nozzle through a series of ports 56 formed in the lower side of nozzle 36, the ports being of such size that they will not pass vapor bubbles. At its upper end, nozzle 36 communicates, through a plurality of ports 78, with a passage 80 which leads to chamber 62. * * *

The claims here involved were rejected by the Examiner on the patent to Blattner in view of the patents to Udale and Ball et al.

The Board of Appeals devoted most of its attention to the claims concerning which the appeal has been dismissed in this court. It, however, agreed with the Examiner that the claims at bar were not patentable over the prior art. As to claims 13 and 15, the Board made the following statement:

Claims 13 and 15 are not clear as to the ports of aggregate capacity and greater fuel flow capacity than the restriction. The specification makes no such statement.

Appellant contends that the Board is in error in making the last-quoted statement and points out that in his specification is a statement which fully supports the said controverted limitations in said claims 13 and 15. The Solicitor for the Patent Office states in his brief in this court that in view of this fact the aforesaid objection to claims 13 and 15 should not now be insisted upon, and since we are in agreement with the Solicitor in this respect we will give this question no further consideration.

Appellant's device is so made that the gasoline comes in from the gasoline chamber in the carburetor to what is called a well which surrounds the nozzle. The bubbles in the fuel which form in the well cannot get into the nozzle on account of the smallness of the ports leading from the well to the nozzle. It is said that "surface tension" holds the small bubbles to the walls adjacent the nozzle until they agglomerate into larger ones, when they proceed up to the top of the well which extends almost to the level of the gasoline in the aforesaid chamber. There the said large bubbles are prevented from proceeding further through the nozzle and into the intake of the motor. Being barred from going further with the gasoline, the bubbles travel up a venting channel which leaves the well at its uppermost portion. The venting channel projects upwards to an enlarged chamber having a calibrated opening to the atmosphere, which opening is calculated to let in air or permit the escape of vapors. The enlarged chamber at the upper portion of said venting channel is for the purpose of permitting the bubbles to rise and burst. The gasoline returns to the carburetor and the gas in the bubble goes out into the atmosphere.

It will be noticed that claim 8, after describing a certain portion of the appellant's structure, states:

"and venting means at the uppermost portion of said well of sufficiently large cross-section to permit the escape of fuel bubbles therethrough."

Claim 10 is the same as claim 8 except that the venting means is described in the following language:

"wherein the vent extends upwardly to a point above the normal fuel level in the carburetor and terminates in an enlarged chamber having a calibrated opening to atmosphere adapted to act as an air bleed as well as to permit the escape of vapors."

In each of the other claims on appeal, the said venting means is, in some manner, described, and the Board, in approving the rejection of the claims, made no distinction between them as far as this feature was concerned, and we think that if claims 8 and 10 should be held to be allowable, the other claims before us should also be allowed.

Blattner in his patent, the basic reference, attempted to solve the percolation problem in a downdraft carburetor, and in some respects disclosed a portion of the plan which applicant seems to have followed. It is not contended by the Patent Office tribunals that Blattner anticipates appellant's invention, nor is it urged that Blattner's structure in any sense solved the problem of percolation. It is the position of the Patent Office tribunals that it would not amount to invention to add to the structure of Blattner the so-called venting features of Udale and Ball et al., and that the limitation as to the enlarged chamber at the top of the vent, such as is in claim 10, does not lend patentability to the claims containing such limitation for the reason that it would not be invention to modify the chamber of the venting means of Blattner to accomplish the purposes stated by the applicant.

Blattner recognizes that percolation occurs in downdraft carburetors. He thought that the small bubbles which would form on the walls would pass upward through his venting means before they agglomerated into large bubbles, although the cross-sectional area of the orifice of the venting means, where it leaves the nozzle, was shown to be smaller than that of the nozzle. He said nothing about "surface tension" holding the small bubbles until they agglomerated into large ones. He evidently assumed that the small ones would pass out through the vent before they were formed into large ones. He admits that if the large bubbles form they would pass up through the nozzle and cause percolation. It is conceded by all that large bubbles, if they pass through the nozzle, will cause percolation. Blattner makes no provision for taking care of the bubbles, large or small, that may form in the upper portion of his nozzle.

Appellant has departed from the Blattner disclosure by providing a means for keeping the bubbles out of the nozzle, and a means which will insure that they will pass up the venting means and be permitted to burst in an enlarged chamber. Applicant's invention rests largely upon the premise that the small bubbles which form on the walls would adhere to the walls until they form large bubbles. In Blattner, under these circumstances, the bubbles would not necessarily go up the vent, but would be more likely to continue upward in the nozzle. Applicant properly asks why was Blattner concerned with taking care of the small bubbles if they would not bring about percolation if permitted to go through the nozzle? It is only the large bubbles which bridge across the nozzle which could bring about percolation. It seems obvious that Blattner failed to recognize the immediate cause of the problem he was attempting to solve and that with a full recognition of all phases of this problem and by providing a suitable structure for correcting the defects in the Blattner device, applicant successfully solved the difficult problem involved.

Blattner does not place his vent at "the uppermost portion of the well" and while a restriction at the top of the vent is shown in Blattner, no bubble-bursting chamber is shown; certainly no such chamber is described in the patent as serving the purpose for which it was intended in applicant's device. The device of Blattner and that of applicant differ in other respects, but it is not necessary for us, in view of our conclusion, to dwell longer upon this phase of the case.

The Udale patent applies to an updraft carburetor, and the so-called venting means, unlike Blattner, was at the uppermost portion of the well. Udale discloses no enlarged bubble-bursting chamber. He was not concerned with the problem of percolation or bubble-bursting because, as is hereinbefore stated, the problem was not present at that time. His proposed venting means was for an air bleed so as to aid in the control of the mixture of the gasoline with the air in starting an automobile. Udale's teachings are barren of any thought of permitting the escape of bubbles, although it would seem that if bubbles did form (it is admitted that at that time in that kind of carburetor they would not form or would not present difficulties) they would pass up the venting means into the atmosphere.

The improvement in Ball et al. relates to an updraft carburetor and is directed to substantially the same problem as that of Udale. They attempted to solve in like manner the same problem presented to Udale by having an air vent at the top of the gasoline well of the carburetor. In neither patent is there a suggestion of bubbles going up the air-venting means.

The exact question presented is whether or not it would amount to invention to solve the problem which Blattner attempted to solve, but failed to solve, by taking the air-venting means of Udale or of Ball et al. and installing it in the Blattner structure. It is our view that notwithstanding the teachings of Blattner, Udale, and Ball et al., appellant, by providing the structure described in each of the appealed claims, has done something more than is the result of the exercise of mechanical skill and that he has shown a high order of inventive genius. If we assume that the air-venting means of Udale and Ball et al., which related to wholly different subject matter, were before Blattner when he attempted to solve his problem (and for our present purposes we must indulge such an assumption), we do not think it probable that the applicant, without the exercise of the inventive faculties, would think of taking the air-venting means from either of the two former structures and of incorporating it into the Blattner device. What was there in the prior art that would suggest to one who only exercised mechanical skill that an air-venting means where no percolation problem prevailed would, if installed into Blattner's structure, make the Blattner structure perform the function for which it was intended?

We do not look upon this case as the ordinary case of combining the well-known and well-understood disclosures in two references to anticipate a given invention. Sometimes, without the exercise of the inventive faculties, it is a very simple matter to take a desired feature of one disclosure, add it to another, and get a structure which is an improvement over either. Usually in such cases, to one skilled in the art, it is the obvious thing to do or there is some teaching or suggestion that the problem presented may be solved in that way.

Certain affidavits relating to commercial success and which are said to support the statements concerning the commercial situation stated in a brief filed by appellant in the Patent Office do not appear to be in the instant record. However, there is, in the record, an affidavit by the applicant which was before the Board, going to the question of commercial success, which shows that carburetors embodying the invention at bar were, at the time of making the affidavit, October 23, 1939, being made at the rate of 10,000 per week, and that the total number of carburetors embodying said invention, which at that time were in use on automobiles, was more than a million; that such devices at the time of making the affidavit were standard original equipment on Buick, Chrysler, Studebaker, Packard and other well-known makes of automobiles, and that they were manufactured by the Bendix Stromberg Carburetor Company.

While affidavits showing commercial success, in cases like that at bar, are not conclusive on the

question of patentability, because quite often commercial success may not be attributable to the improvement alone, nevertheless, the affidavit at bar is a matter of some importance since it does show that appellant's device was successful where the Blattner device, for reasons which seem obvious from an examination of the patent itself, was not a success insofar as solving the instant problem was concerned.

It is our view that the appealed claims define invention over the prior art cited, and that appellant is entitled to protection thereon by the allowance of the appealed claims. The appeal as to claims 24 to 28, inclusive, is dismissed. The decision of the Board of Appeals, affirming that of the Examiner in rejecting the remaining claims at bar, is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

PRAHL ET AL. *v.* REDMAN

No. 4,402. Decided February 24, 1941

[117 F.(2d) 1018]

1. INTERFERENCE—MOTION FOR LEAVE TO TAKE TESTIMONY TO SHOW INOPERATIVENESS.

Motions by the junior party P and M for leave to take testimony to show that particular catalysts disclosed by the senior party R are inoperative *Held* properly denied, where said catalysts admittedly are outside the issue of the interference.

2. SAME—LATE MOTION TO DISSOLVE.

Where the motion period expired on May 28, 1936, and a motion for dissolution by P and M raising the question of inoperativeness with respect to certain added counts was not brought until August 5, 1938, *Held* that said motion properly was dismissed.

3. SAME—PRIORITY.

Record reviewed and *Held* that the application of the senior party R supports the counts and that priority properly was awarded to him.

APPEAL from Patent Office. Affirmed.

Messrs. Bailey and Larson (*Mr. Jennings Bailey, Jr.*, of counsel) for Prahl et al.

Mr. Joseph N. Nielsen (*Mr. Harold T. Stowell* of counsel) for Redman.

LENROOT, *J.*:

This is an appeal in an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences which awarded to appellee priority of the invention defined in the counts of the interference, eight in number.

The interference arises between a patent, No. 1,964,768, issued to appellants on July 3, 1934, upon an application filed June 13, 1933, and an application of appellee filed July 17, 1931, Serial No. 551,555.

Appellants' patent contains sixteen claims, and originally appellee copied all of them for purposes of interference. Eight of the claims so copied were rejected by the Primary Examiner as having no basis in appellee's specification as originally filed.

The interference was set up with respect to eight claims copied from appellants' patent and held allowable by the Primary Examiner in appellee's application.

Appellants moved to dissolve the interference upon the ground that appellee's disclosure did not support the counts. Appellee opposed said motion and moved to add to the interference the eight claims rejected by the Examiner. Appellants opposed the addition of those counts upon the ground that they were not supported by appellee's disclosure. Appellants also moved to dissolve the interference upon the ground that appellee's specifically disclosed catalysts are inoperative.

The Primary Examiner granted appellants' motion to dissolve the interference, and denied appellee's motion to amend, holding that appellee was not entitled to make any of the claims of appellants' patent.

Upon appeal the Board of Appeals reversed in part this decision of the Primary Examiner, holding that appellee's application supported claims 1, 2, 3, 4, 9, 10, 11, and 12 of appellants' patent copied by appellee.

The interference was thereafter re-declared with the eight counts now before us, counts 1 to 4, inclusive, being counts of the original interference, and counts 5 to 8, inclusive, being counts added by appellee's amendments allowed by the Board of Appeals.

Counts 2 and 5 are illustrative of the counts in issue and read as follows:

2. The process for producing aromatic hydroxy-compounds comprising the treatment of a ring-chlorinated aromatic hydrocarbon with steam at temperatures exceeding 350° C. in the presence of a neutral phosphoric acid compound of an alkaline earth metal as a catalyst.

5. The process for producing aromatic hydroxy-compounds comprising the treatment of a ring-chlorinated aromatic hydrocarbon with steam at temperatures exceeding 350° C. in the presence of tricalcium phosphate as a catalyst.

The subject matter of the issue is concisely defined in appellants' brief as follows:

The interference relates to the manufacture of phenol or other aromatic hydroxy compounds by the treatment of chlorobenzene or other ring chlorinated aromatic hydrocarbons with steam in the presence of a catalyst. The process is carried out under such conditions that the different compounds taking part in the reaction are in a vapor state, or are in the form of gases.

This broad concept as set forth is well known. The novelty claimed in the Prahl and Mathes patent resides in the discovery of a particular catalyst capable of producing a higher yield in the process than any heretofore known. The preferred catalyst set forth by Prahl and Mathes is a specific compound, tricalcium phosphate. The class of catalysts within which this falls, which is covered by the broad claims, is the compounds of phosphoric acid with elements of group 2 of the periodic system, particularly the neutral, alkaline earth metal compounds.

Inasmuch as the preliminary statement of appellants' alleged conception of the invention subsequent to appellee's filing date, judgment was entered by the Examiner of Interferences awarding priority of the invention defined in the counts to appellee. Upon appeal the Board of Appeals affirmed this decision and appellants took their appeal to this court.

While the counts involve technical chemical combinations, the questions calling for decision by us are comparatively simple. They are:

1. The question of whether the counts are supported by appellee's disclosure, and

2. The operativeness of appellee's disclosure.

Upon the oral argument before us appellants' counsel conceded that counts 1 and 3 are supported by appellee's disclosure; therefore the question of appellee's right to make claims corresponding to counts 1 and 3 will not be further discussed.

Counts 5 to 8, inclusive, expressly specify tricalcium phosphate as the catalyst employed. Counts 2 and 4 specify as the catalyst "a neutral phosphoric acid compound of an alkaline earth metal as a catalyst." Without going into the technical meaning of this element, it is sufficient to say that it is conceded by appellants' counsel that if appellee discloses as a catalyst tricalcium phosphate, as specified in counts 5 to 8, inclusive, such composition is embraced within the element described as a catalyst in counts 2 and 4.

The Primary Examiner, in passing upon appellants' motion to dissolve and appellee's motion to amend, held that while appellee's disclosure is sufficient to teach the use of a calcium phosphate as a catalyst, it did not follow that a tricalcium phosphate was disclosed for the reason, as stated by him, that the term "calcium phosphate" covers three compounds, viz., monocalcium phosphate, dicalcium phosphate, and tricalcium phosphate. The Primary Examiner further held that, referring to an example in appellee's specification of the method of preparing a catalyst having a positive radical of copper nitrate and a negative radical of sodium phosphate, the substitution of calcium salt for the copper salt would not result in a tricalcium phosphate, as appellee contends, but in a dicalcium phosphate.

Upon this point the Board of Appeals, in reversing the decision of the Primary Examiner, after agreeing with the Examiner that appellee discloses calcium phosphate, stated:

* * * This we believe is a disclosure of calcium phosphate. Normal calcium phosphate or tricalcium phosphate would be understood by the words "calcium phosphate" in the absence of some limitation as to the acid condition of the phosphate. * * *

In its decision upon appellants' appeal upon the award of priority, the Board stated:

Appellants state that they wish primarily to reargue the right of Redman to make counts 5 to 8, inclusive, and their brief presents the same line of argument as on the prior appeal. We held specifically that Redman discloses the use of neutral calcium phosphate as a catalyst and stated why we arrived at this conclusion. The brief of appellants allege no error in our finding except that we should have relied on Redman's brief which would indicate that Redman prepared calcium phosphate in the same way as he did copper phosphate.

It is our view that Redman discloses calcium phosphate as a catalyst. It is immaterial how he makes this compound or that if Redman follows the copper phosphate process he will not get neutral calcium phosphate. For that matter Prahl et al. actually used calcium phosphate which had been ignited for twenty-four hours at 500° C.

It will be observed that the Board of Appeals and the Primary Examiner concurred in holding that appellee's application discloses the use of calcium phosphate as a catalyst, but disagreed upon the question of whether the calcium phosphate disclosed was tricalcium phosphate.

It therefore follows that the rule that concurring findings of the Patent Office tribunals upon findings of fact and upon technical questions will be adhered to by us unless manifestly wrong is applicable to the question of whether appellee's application discloses calcium phosphate, but is not applicable upon the question of whether tricalcium phosphate is disclosed in said application. However, before we would be warranted in reversing the decision of the Board upon this point, we must be convinced that the Board erred in its finding.

In the case of *Daley* v. *Trube*, 24 C. C. P. A. (Patents) 964, 88 F.(2d) 308, 483 O. G. 230, we said:

* * * In a case involving matters as highly technical as those which confront us here, it should be made clear to the court that the decision appealed from is erroneous, regardless of the fact that the Board's decision did not concur with that of the Examiner of Interferences.

We are not convinced that the Board erred in holding that the disclosure of calcium phosphate should be regarded as a disclosure of tricalcium phosphate.

The chemical formula for tricalcium phosphate is $Ca_3(PO_4)_2$. In a publication entitled "Chemical Annual," by Van Nostrand, found in the record, we find the same formula given for "calcium phosphate," while different formulas are given for dicalcium phosphate, monocalcium phosphate, and pyro calcium phosphate.

In the "Chemical Encyclopaedia" by Kingzett (4th Ed.) we find the following on page 98:

Calcium Phosphate (tricalcium phosphate, $Ca_3(PO_4)_2$) is the most important of the phosphates of calcium. * * *

In Funk & Wagnalls New Standard Dictionary we find the following:

calcium phosphate (Chem.), a phosphate of calcium, particularly the neutral phosphate ($Ca_3(PO_4)_2$) * * *.

Oxford's New English Dictionary defines calcium phosphate as follows:

calcium phosphate ($Ca_3(PO_4)_2$), phosphate of lime, the chief constituent of bone ash.

It will thus be observed that the chemical formulas for tricalcium phosphate and calcium phosphate are identical, sustaining the view that a disclosure of calcium phosphate should be held to be a disclosure of tricalcium phosphate.

While the highly technical reasoning of the Primary Examiner that appellee does not disclose tricalcium phosphate, based upon an example set out in appellee's application where copper nitrate was used as the positive radical and sodium phosphate as the negative radical, has been given consideration by us, we are not convinced that the Board erred in holding that it is immaterial how appellee makes the compound here involved, or that if he follows the copper phosphate process he will not get neutral calcium phosphate. The method of making tricalcium phosphate is not involved in the counts. Its formula is well known, and if the Board is correct in its holding that the disclosure of calcium phosphate, as that term is understood in the chemical art, is also a disclosure of tricalcium phosphate, it is immaterial how the compound is made. As hereinbefore indicated, we are not convinced that the Board's views upon this question are erroneous.

As hereinbefore noted, appellants also moved to dissolve the interference as to counts 1 to 8, inclusive, of the interference as originally declared,

but not including counts 5 to 8, inclusive, of the present interference, which were later added to the interference by amendment, upon the ground of inoperability of appellee's disclosure, and further moved for leave to take testimony in support of such motion. In their brief in support of such motion certain affidavits were attached.

In denying appellants' motion to dissolve, the Primary Examiner in his decision stated:

> The party Prahl and Mathes contend that the party Redman specifically discloses only aluminum phosphate, copper phosphate, and their admixture as catalysts, and that these catalysts are inoperative. The reasons for the allegated inoperativeness are that the prior art yield was 90% and that the allegedly more efficient catalysts of Redman must, therefore, produce yields in excess of 90%. With their brief, Prahl and Mathes have presented affidavits to establish that Redman's specifically disclosed catalysts result in a yield of approximately 40–60% and that a yield lower than 75% is of no commercial value.
>
> However, these contentions of the party Prahl and Mathes are irrelevant. None of the catalysts specifically disclosed by Redman, and whose inoperativeness is urged, are covered by the interference issue. The alleged inoperativeness is not addressed to Redman's disclosure as a whole, which disclosure is a sufficient basis for the use of a magnesium or calcium phosphate as a catalyst. Accordingly, the motion is irrelevant to the issue of the interference, since any decision thereon would not affect Redman's right to make the counts of the issue, and must therefore be denied.

Upon motion of appellee the Primary Examiner struck from appellants' brief the affidavits above referred to.

In the decision of the Board upon said motion to dissolve no reference is made to this action of the Examiner, and inasmuch as appellants' reasons of appeal do not embrace this matter we will give it no further consideration.

The motion period in the interference as originally declared expired on May 28, 1938. On August 5, 1938, appellants moved to dissolve the interference with respect to present counts 5 to 8, inclusive, which had been added by way of amendment, upon the ground that appellee's application does not support the counts, and also moved to dissolve on the ground that the invention as described in appellee's specification, and particularly in the examples set forth therein, is inoperative and fails to produce any useful result. Appellants further moved for leave to take testimony to prove the allegations set forth in their motion. Said motion also included a request that the affidavits hereinbefore referred to, stricken by the Primary Examiner, be considered by the Patent Office. Attached to such motion was an affidavit by Prahl, one of the appellants.

In his decision upon priority, the Examiner of Interferences dismissed said motion to dissolve upon the ground that, the motion period having expired before said motion was made, and appellants not having opposed the admission of counts 5 to 8, inclusive, upon the ground of inoperativeness, but only upon the ground of lack of disclosure in appellee's application, appellants were not entitled to raise the question of inoperativeness with respect to counts 5 to 8, inclusive. The Examiner of Interferences also held that the motion for leave to take testimony was lacking in substance for the reason that any decision upon said motion would be irrelevant to the issue of the interference, no claim being made that if appellee discloses tricalcium phosphate, such disclosure, together with the disclosure of the other elements of the counts, would be inoperative.

After the award of priority of invention to appellee by the Examiner of Interferences, appellants petitioned the Commissioner to review the proceedings in the interference, and, among other things, grant appellants leave to take testimony to prove inoperability of appellee's disclosure. In denying this petition the Commissioner stated:

> During the interlocutory period petitioners moved to take testimony to show that the specific catalysts given as examples by Redman in his application are inoperative in the process covered by the claims then in issue, four of which claims are existing counts 1 to 4. After the interference had been re-formed by adding counts 5 to 8 and petitioners had been placed under the order to show cause they brought a similar motion as to these counts. In both of these motions petitioners admitted that the particular catalysts which they seek to prove inoperative by testimony are "outside the issue of the interference."
>
> Both the Primary Examiner and the Examiner of Interferences have correctly pointed out that testimony on the operativeness of such catalysts would be irrelevant to the right of Redman to make the claims in issue. The refusal by the Examiner of Interferences to permit petitioners to take testimony was therefore proper.

In its decision upon priority of invention the Board of Appeals called attention to the ruling of the Commissioner that the refusal of the Examiner of Interferences to permit appellants to take testimony was proper, and declined to further specifically consider the matter, contenting itself with a general affirmance of the decision of the Examiner of Interferences awarding priority of invention to appellee with respect to all of the counts.

[1] We are convinced, as were the Patent Office tribunals, that appellants were not entitled to take testimony upon the subject of inoperativeness, for the reasons set forth by said tribunals.

In their reasons of appeal, error by the Board of Appeals is alleged in impliedly holding that the Examiner of Interferences had jurisdiction to dismiss a motion brought before the Primary Examiner, referring no doubt to appellants' motion of August 5, 1938.

[2] Under rule 122 of the Rules of the Patent Office the Examiner of Interferences is expressly authorized to refuse consideration of a motion to dissolve if not brought within the time specified. Whether or not he is authorized to consider a motion for the purpose of determining whether it sets forth proper grounds for dissolution of interference, it is unnecessary here to determine. He was clearly right in dismissing the motion because not made within the interlocutory period when such motions may be entertained. In passing, we would observe that appellant's brief does not discuss this question.

[3] For the reasons stated herein, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,449,188. (See 1,451,269.)

1,451,269, Patch & Romney, Resilient wheel; 1,497,404, 1,449,188, H. M. Patch, same; 1,731,059, 1,823,166, R. H. Prosser, same; 1,761,584, same, Resilient connection for structure; 1,884,780, J. M. MacLean, Resilient connection, D. C., S. D. Calif. (San Francisco), Doc 21543–R, *Calrew, Inc., et al* v. *San Francisco Municipal Street Car Co. et al.* Dismissed Apr. 21, 1941.

1,491,789, C. W. Cowles, Electrical connection; 1,805,754, S. W. Borden, Electrical connecting device for electrical conductors; 1,860,994, L. H. Church, Grounding fitting; 1,976,478, S. N. Buchanan, same, D. C., S. D. Calif., C. Div., Doc. E 1149–H, *S. W. Borden* v. *Terry Ground Clamp Co.* Dismissed pursuant to stipulation Apr. 18, 1941.

1,497,404. (See 1,451,269.)

1,585,318, A. W. Tupper, Time controlled electric signaling device; 1,585,319, same, Periodic electric signaling device, filed Apr. 17, 1941, D. C., E. D. Ill. (East St. Louis), Doc. 415, *Universal Neon Equipment Co. et al* v. *G. Brefeld & Son Hardware Co.*

1,585,319. (See 1,585,318.) 1,731,059. (See 1,451,269.)

1,761,584. (See 1,451,269.)

1,768,496, B. Trager, Brief bag; 2,043,833, A. I. Klotz, Protecting framing for brief cases, D. C., E. D. N. Y., Doc. 1489, *A. I. Klotz* v. *H. Rubinstein et al.* Dismissed Apr. 15, 1941.

1,786,372, C. H. Vogt, Food product and method of marketing same, appeal filed Dec. 2, 1940, C. C. A., 3d Cir., Doc. 7624, *Modern Food Process, Inc., et al.* v. *Chester Packing & Provision Co., Inc.* Decree affirmed Apr. 29, 1941.

1,805,754. (See 1,491,789.) 1,823,166. (See 1,451,269.)

1,835,636, J. Corbit, Chromium plated article, filed Apr. 25, 1941, D. C., E. D. N. Y., Doc. 1973, *Westinghouse Electric & Mfg. Co.* v. *Sears Roebuck & Co.*

1,842,660. (See Re. 18,755.)

1,843,877, H. Lackler, Internal combustion engine, D. C., S. D. N. Y., Doc. 11/184, *Patent Exploitation Corp.* v. *Ford Motor Co.* Consent order of discontinuance Apr. 22, 1941.

1,860,994. (See 1,491,789.) 1,884,780. (See 1,451,269.)

1,918,089. (See 1,924,028.) 1,918,090. (See 1,924,028.)

1,924,028, 1,918,089, J. B. Durand, Manufacture of foundry moulds; 1,918,090, same, Composition for foundry moulds, appeal filed Oct. 29, 1940, C. C. A., 3d Cir., Doc. 7593, *J. B. Durand et al.* v. *Bethlehem Steel Co.*

1,976,478. (See 1,491,789.)

2,020,271, R. J. Winsor, Road working machine, D. C., N. D. Ohio, E. Div., Doc. 19939, *Caterpillar Tractor Co.* v. *Galion Iron Works & Mfg. Co.* Dismissed without prejudice Apr. 26, 1941.

2,043,833. (See 1,768,496.)

2,105,306, I. D. Wolfson, Four-in-hand tie, D. C., S. D. N. Y., Doc. 9/468, *The Ingenuities Corp. of America et al.* v. *Spiegel Bros.* Stipulation of discontinuance (notice Apr. 24, 1941).

2,136,058, S. Peppas, Chair, filed Apr. 1, 1941, D. C., S. D. Ind. (Indianapolis), Doc. 375, *S. Peppas* v. *Union City Body Co., Inc., et al.*

2,136,196, M. W. Pitner, Spacer for hair curlers, filed Apr. 24, 1941, D. C., S. D. N. Y., Doc. 14/62, *Products Development, Inc.*, v. *Continental Permanent Wave Corp.* Doc. 14/91, *Products Development, Inc.*, v. *American Machine & Metals, Inc.*

2,169,929. (See 2,187,666.)

2,187,666, W. H. Schumann, Artificial fish bait; 2,169,929, same, Fishing lure, filed Apr. 28, 1941, D. C., N. D. Ohio, E. Div., Doc. 20789, *Fly Fish Kit Co.* v. *J. E. Porter Co. et al.*

2,188,301. (See Re. 19,653.)

2,191,883, H. Fleisher. Knitted fabric, filed Apr. 25, 1941, D. C., S. D. N. Y., Doc. 14/83, *Princeton Knitting Mills, Inc.*, v. *Beaunit Mills, Inc.*

2,201,068, G. Wintritz, Manufacture of slide fasteners; 2,221,740, F. Ulrich, Manufacture of slide fastener elements, filed Apr. 18, 1941, D. C., S. D. N. Y., Doc. 14/31, *Conmar Products Corp.* v. *Marvel Slide Fastener Corp. et al.*

2,221,740. (See 2,201,068.)

2,222,999, S. E. Blumenthal, Mattress ticking, D. C., S. D. N. Y., Doc. 13/18, *Golding Bros. Co., Inc.*, v. *Blumenthal Print Works.* Consent order of discontinuance (notice Apr. 24, 1941).

2,236,387, Wallace & Hand, Perspiration inhibiting composition, filed Apr. 28, 1941, D. C., E. D. N. Y., Doc. 1983, *J. H. Wallace, Jr., et al.* v. *F. W. Woolworth Co.* Same, D. C., S. D. N. Y., Doc. 14/90, *Wallace Laboratories* v. *Lehn & Fink Products Corp.*

2,239,514, W. F. Astley, Machine and method for weaving insulation, filed Apr. 28, 1941, D. C., E. D. Pa., Doc. 1492, *Union Asbestos & Rubber Corp.* v. *Raybestos-Manhattan, Inc.*

Re. 18,841, J. Mayer, Hair waving method, D. C., N. D. Calif. (San Francisco), Doc. 21589–R, *The Philad Co.* v. *C. A. Ames et al.* Dismissed without prejudice Apr. 21, 1941. Doc. 21584–R, *The Philad Co.* v. *Sue Brooks Beauty Salon.* Dismissed Apr. 28, 1941.

Re. 19,653, R. Naftali et al., sewing machine; 2,188,301, same, Method and means for stitching neckties, D. C., S. D. N. Y., Doc. 12/159, *American Machine & Foundry Co.* v. *McCurrah Organization, Inc.* Consent judgment (notice Apr. 19, 1941).

Re. 19,743, Newman & Niemann, Record sheet holder for facilitating distribution of accounts; Re. 19,994, Niemann & Zielm, Device for distribution of accounts, D. C., S. D. N. Y., Doc. E 85/104, *Felt & Tarrant Mfg. Co.* v. *Wilson-Jones Co.* Judgment (notice Apr. 25, 1941).

Re. 19,994. (See Re. 19,743.)

Des. 116,003, M. Stone, Dress, D. C., S. D. N. Y., Doc. 5/470, *Will Steinman, Inc.*, v. *S. & M. Litt, Inc.* Consent judgment (notice Apr. 22, 1941).

Des. 116,590, H. Zuckerman, Coat, filed Apr. 26, 1941, D. C., S. D. N. Y., Doc. 14/87, *Dave Bellsey Co., Inc.*, v. *William Goldman.*

Des. 118,957, Des. 118,958, L. Goldsmith, Sweater, D. C., S. D. N. Y., Doc. 7/458, *Olympic Knitwear, Inc.*, v. *Fleetwood Sportwear, Inc., et al.* Judgment Apr. 11, 1941.

Des. 118, 958. (See Des. 119,957.)

Des. 119,698, E. W. Freudenberg, Embroidered textile fabric, filed Apr. 24, 1941, D. C., S. D. N. Y., Doc. 14/66, *Wingold Embroideries, Inc.*, v. *E. W. Freundberg et al.*

Des. 122,719, P. E. Flato, Clip, D. C., S. D. N. Y., Doc. 11/365, *P. E. Flato* v. *Deja Jewelry Co.* Order (notice Apr. 23, 1941).

Des. 123,465, L. Stein, Dress, D. C., S. D. N. Y., Doc. 11/419, *Paramount Fashion Co., Inc.*, v. *Rona Dresses, Inc.* Judgment (notice Apr. 21, 1941).

Des. 123,973, M. Galowitz, Dress, D. C., S. D. N. Y., Doc. 12/245, *Modern Juniors* v. *Venue Dress Co.* Order (notice Apr. 23, 1941).

Des. 125,378, F. T. Stix, Dress ensemble, filed Apr. 26, 1941, D. C., S. D. N. Y., Doc. 14/88, *Herbert Sondheim, Inc.*, v. *Feiber Teirstein, Inc.*

Des. 125,540, Des. 125,542, L. Freidman, Handbag, filed Apr. 18, 1941, D. C., S. D. N. Y., Doc. 14/15, *Gold Seal Importers, Inc.*, v. *Westerman-Rosenberg, Inc.*

Des. 125,542. (See Des. 125,540.)

Des. 125,693, W. Markle, Pin, D. C. R. I., Doc. 111, *The Castlecliff Co.* v. *Brier Mfg. Co., Inc.* Consent judgment for plaintiffs (notice Apr. 18, 1941).

Des. 126,003, J. Elkins, Dress, D. C., S. D. N. Y., Doc. 13/288, *Sam Steinberg & Co., Inc.*, v. *Reich-Goldfarb Co., Inc.* Consent order of discontinuance (notice Apr. 22, 1941).

Des. 126,350, A. Ruchman, Dress, filed Apr. 22, 1941, D. C., S. D. N. Y., Doc. 14/57, *Apex Dress Co., Inc.*, v. *Happy Frocks.*

Des. 126,500, H. Troy, Dress, filed Apr. 26, 1941, D. C., S. D. N. Y., Doc. 14/84, *Hannah Troy, Inc.*, v. *Phil Zahn & Co.* Doc 14/85, *Hannah Troy, Inc.*, v. *Joanne, Jr., et al.* Doc. 14/86, *Hannah Troy, Inc.*, v. *Mark Jacobson Dress, Inc.*

Des. 126,959, A. Gershuny, Dress, filed Apr. 29, 1941, D. C., S. D. N. Y., Doc. 14/92, *Highlight Fashions, Inc.*, v. *Victoria Dress Co., Inc.*

Adjudicated Patents

(C. C. A. Tex.) Getty patent, No. 1,502,428, for whipstock for wells, claims 3 to 5, 7, and 8 *Held* not infringed. *Getty* v. *Kinzbach Tool Co.*, 119 F.(2d) 249.

(C. C. A. Ill.) Johnson patent No. 1,716,962, for water propulsion device, claims 11, 12, 13, and 14 *Held* valid and infringed. *Outboard Marine & Mfg. Co.* v. *Muncie Gear Works*, 119 F.(2d) 404.

C. C. A. Ill.) Johnson patent, No. 1,763,970, for stream-line construction, claims 3 and 14 *Held* not infringed. *Id.*

(C. C. A. Ill.) Evinrude patent, No. 1,786,835, for water-cooling system for outboard motors, claims 1, 4, 5, 8, 9, and 10 *Held* invalid. *Id.*

(C. C. A. Ill.) Arndt patent, No. 1,875,912, for cooling system for marine inventions, claim 16 *Held* invalid. *Id.*

(C. C. A. Ohio) Guyon patent, No. 1,971,560, for candy and holder therefor, claims of patent *Held* invalid. *Saf-T-Pop Corporation* v. *Harry E. Davis Co.*, 119 F.(2d) 416.

(C. C. A. Ill.) Johnson patent, No. 2,067,533, for spark plug cover, *Held* invalid. *Outboard Marine & Mfg. Co.* v. *Muncie Gear Works*, 119 F.(2d) 404.

(C. C. A. Ohio) Blanc patent, No. 2,069,871, for cutter member for cleaning drain pipes, *Held* infringed, and claims 3 and 6 *Held* valid. *Blanc* v. *Curtis*, 119 F.(2d) 395.

(C. C. A. Ind.) Bissel patent, No. 2,085,209, for dustpan dump for carpet sweepers, claims 1 to 3 *Held* not infringed. *Bissel Carpet Sweeper Co.* v. *Porter Steel Specialties*, 119 F.(2d) 341.

(C. C. A. Ill.) Nelson patent, No. 2,109,678, for contact switch for ball rolling games, claim 4 *Held* valid and infringed. *Ace Patents Corporation* v. *Exhibit Supply Co.*, 119 F.(2d) 349.

(C. C. A. Ohio) Blanc patent, No. 2,111,527, for drain cleaner, claim 4 *Held* valid, but not infringed. *Blanc* v. *Curtis*, 119 F.(2d) 395.

(D. C. Ill.) Freimann patent, No. 2,121,910, for carrying case for picture projecting apparatus, claims 5 and 6 *Held* invalid. *Magnavox Co.* v. *Talking Sales Pictures*, 38 F. Supp. 337.

(D. C. Wis.) Johnson reissue patent, No. 18,913, for chair back or rest, claim 3 *Held* invalid, but, if valid, *Held* infringed. *Johnson Chair Co.* v. *Milwaukee Chair Co.*, 38 F. Supp. 371.

(C. C. A. Wis.) Leins reissue patent, No. 21,038, for magnetic switch, claims 11, 17, 18, 20, and 24 *Held* invalid. *Mercoid Corporation* v. *Milwaukee Gas Specialty Co.*, 119 F.(2d) 370.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 1, 1941

[VOL. 528. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 442,098. BLOCK COAL AND COKE COMPANY, INC., Knoxville, Tenn. Filed Mar. 31, 1941.



FOR COAL.
Claims use since Jan. 1, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 441,620. THE MORTON S. PINE COMPANY, Cleveland, Ohio. Filed Mar. 17, 1941.

PYNAMITE

FOR LIQUID DETERGENT USED IN CLEANING—NAMELY, A CLEANER FOR BATHROOMS, BATH TUBS, WOODWORK, KITCHENS, PAINTED WALLS, BASEMENTS, LINOLEUM, FLOORS, RUGS, UPHOLSTERY, AND LAUNDERING.
Claims use since Jan. 1, 1940.

Ser. No. 442,398. S. L. F. SALES & SERVICE CORP., New York, N. Y. Filed Apr. 8, 1941.



FOR CLEANING FLUID FOR USE ON STONE, TILE, CONCRETE, OR MARBLE.
Claims use since Jan. 30, 1941.

CLASS 5

ADHESIVES

Ser. No. 438,964. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed Dec. 17, 1940.

ALADDIN

FOR CEMENTITIOUS ADHESIVE OR BINDER FOR PAPER, CLOTH, AND GLASS AND ADHESIVE SEALING SUBSTANCES FOR CONTAINERS.
Claims use since Aug. 2, 1940.

Ser. No. 443,922. ALBERT A. DANIELS, doing business as Electrotite Company, Chicago, Ill. Filed May 26, 1941.

Electrotite

FOR ADHESIVE TAPE.
Claims use since June 6, 1939.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 412,381. V. MARNE, San Diego, Calif. Filed Nov. 4, 1938.



FOR FOOT POWDER.
Claims use since Aug. 15, 1938.

Ser. No. 436,037. GUSTAV SCHWARZ, Chicago, Ill. Filed Sept. 16, 1940.

Secrets of Paris

COSM. SPECIALTIES

No claim is made to the words "Paris Cosm. Specialties" apart from the mark.
FOR PERFUMES AND COSMETICS (PERFUME, EAU DE COLOGNE, TOILET WATER, SKIN CREAMS, LOTIONS, SKIN-TONIC, BRILLIANTINE).
Claims use since June 1, 1940.

Ser. No. 437,155. STAYNER CORPORATION, Berkeley, Calif. Filed Oct. 21, 1940.

SNO-TAN

No claim is made to the word "Tan" apart from the mark.
FOR PREPARATION FOR PROTECTING THE SKIN FROM ULTRA-VIOLET RAYS.
Claims use since Sept. 25, 1940.

Ser. No. 439,501. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Jan. 8, 1941.

AQUA-FED

Applicant disclaims the term "Aqua" apart from the mark.
FOR NASAL DROPS.
Claims use since Dec. 20, 1939.

Ser. No. 441,800. KARL MARKET, doing business as Marco Products, San Jose, Calif. Filed Mar. 21, 1941.



FOR OINTMENT FOR BOVINE HYGIENE AND PARTICULARLY FOR INTERNAL AND EXTERNAL APPLICATION ON COWS.
Claims use since Feb. 1, 1941.

Ser. No. 442,796. MILES LABORATORIES, INC., Elkhart, Ind. Filed Apr. 21, 1941.

VITAMILES

FOR VITAMIN TABLETS.
Claims use since Apr. 11, 1941.

Ser. No. 442,798. PARALENE PRODUCTS, INC., New York, N. Y. Filed Apr. 21, 1941.

Paralene

FOR WATER SOLUBLE CLEANSING CREAM.
Claims use since September, 1940.

Ser. No. 442,828. BRISTOL-MYERS COMPANY, New York, N. Y. Filed Apr. 22, 1941.



FOR PREPARATION FOR THE CARE AND TREATMENT OF THE HAIR AND SCALP.
Claims use since Sept. 17, 1940.

Ser. No. 442,850. ORTHO PRODUCTS, INC., Linden, N. J. Filed Apr. 22, 1941.

ORTHO

FOR VAGINAL CREAMS AND JELLIES.
Claims use since Mar. 21, 1941.

Ser. No. 442,863. MAX FACTOR & CO., Los Angeles, Calif. Filed Apr. 23, 1941.



FOR COSMETIC IN THE NATURE OF A SOLIDIFIED CREAM USED FOR A MAKE-UP BASE.
Claims use since Apr. 21, 1941.

Ser. No. 442,864. MAX FACTOR & CO., Los Angeles, Calif. Filed Apr. 23, 1941.



The word "Make-up" is disclaimed apart from the mark.
FOR COSMETIC IN THE NATURE OF A SOLIDIFIED CREAM USED FOR A MAKE-UP BASE.
Claims use since Apr. 21, 1941.

Ser. No. 442,907. LENTHERIC, INCORPORATED, New York, N. Y. Filed Apr. 24, 1941.

Sous-Zéro

FOR EAU DE COLOGNES, PERFUMES, AND COSMETIC CREAMS.
Claims use since Mar. 20, 1941.

Ser. No. 442,926. WILLIAM J. WARDALL, trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y. Filed Apr. 24, 1941.

BAXAMIN

FOR VITAMIN PRODUCT CONTAINING ALL OF THE PRESENT KNOWN VITAMINS.
Claims use since Apr. 9, 1941.

Ser. No. 442,976. SANTIAGO DEVELOPMENT CORPORATION, Long Island City, N. Y. Filed Apr. 25, 1941.

ACEKIN

FOR TABLETS FOR THE RELIEF OF FEVERS AND COLDS.
Claims use since Dec. 30, 1940.

Ser. No. 442,977. SANTIAGO DEVELOPMENT CORPORATION, Long Island City, N. Y. Filed Apr. 25, 1941.

GUARASIL

FOR HEADACHE TABLETS.
Claims use since Dec. 30, 1940.

Ser. No. 442,978. SANTIAGO DEVELOPMENT CORPORATION, Long Island City, N. Y. Filed Apr. 25, 1941.

PALUSAN

FOR LIQUID MEDICINE FOR MALARIA FEVER, ALSO IN TABLET FORM.
Claims use since Dec. 30, 1940.

Ser. No. 442,986. BINNEY & SMITH COMPANY, New York, N. Y. Filed Apr. 26, 1941.

FURNATEX

FOR CARBON BLACK FOR USE IN THE RUBBER INDUSTRY.
Claims use since Dec. 17, 1940.

Ser. No. 443,027. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Apr. 26, 1941.

SYNTONE

FOR INSECTICIDAL SPRAY FOR THE KILLING OF INSECTS.
Claims use since July 9, 1940.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 440,170. HENRY PRATT LYMAN, Fort Smith, Ark. Filed Jan. 31, 1941.

MY OLE ASH MAN

FOR ASH TRAYS.
Claims use since Dec. 6, 1940.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 442,793. A. B. T. MANUFACTURING CORP., Chicago, Ill. Filed Apr. 21, 1941.

AIR-O-MATIC

FOR AIR RIFLES.
Claims use since Mar. 1, 1941.

CLASS 10

FERTILIZERS

Ser. No. 441,905. FIDELITY CHEMICAL CORPORATION, Houston, Tex. Filed Mar. 25, 1941.

ferti·lome

The word "Lome" is disclaimed apart from the mark.
FOR COMPLETE, MIXED FERTILIZER.
Claims use since April, 1938.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 427,148. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Jan. 4, 1940.



FOR PLASTERS AND ROOF AND SIDEWALL COVERING AND CEMENTING MATERIALS.
Claims use since June, 1931.

Ser. No. 435,108. JOSEPH W. HAWLEY, Fort Worth, Tex. Filed Aug. 19, 1940.



The word "Ventilated" is disclaimed apart from the mark.
FOR WOODEN AWNINGS.
Claims use since Apr. 16, 1940.

Ser. No. 438,072. CHARLES L. GANE, doing business as Atlas Supply Company, Philadelphia, Pa. Filed Nov. 20, 1940.

NAILOCK

FOR STEEL CHANNELS FOR USE IN BUILDINGS WHICH CHANNELS INCORPORATE MEANS ADAPTED TO CLINCH NAILS.
Claims use since Sept. 21, 1940.

Ser. No. 438,073. CHARLES L. GANE, doing business as Atlas Supply Company, Philadelphia, Pa. Filed Nov. 20, 1940.

SCREWLOCK

FOR GYPSUM BOARD UNITS IN WHICH SEPARATE BOARD ELEMENTS ARE LAMINATED WITH WEB MATERIAL SUCH AS WIRE CLOTH THEREBETWEEN.
Claims use since Sept. 10, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 441,493. SWEDISH STEEL MILLS' A. A., INC., New York, N. Y. Filed Mar. 12, 1941.

SUPER-KUT

FOR STEELS USED FOR TOOLS.
Claims use since September, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 435,261. TIONA PETROLEUM COMPANY, Philadelphia, Pa. Filed Aug. 22, 1940.



FOR LUBRICATING OILS AND GREASES.
Claims use since March, 1936.

Ser. No. 438,966. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed Dec. 17, 1940.

ALADDIN

FOR ILLUMINATING OILS, LUBRICATING OILS, AND WAXES.
Claims use since 1902 on illuminating oils; since Nov. 12, 1940, on lubricating oils; and since Aug. 20, 1940, on waxes.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 443,077. FULD BROS., doing business as Lancaster Laboratories, Baltimore, Md. Filed Apr. 29, 1941.

FLOR GLO

FOR SURFACING WAX.
Claims use since March, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 441,067. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio. Filed Feb. 27, 1941.

PLAINSMAN

FOR PASSENGER CARRYING AUTOMOBILES.
Claims use since Jan. 13, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 441,269. WILLIAM W. WELCH, doing business as W. W. Welch Co., Cincinnati, Ohio. Filed Mar. 5, 1941.



The term "Circulators" and the circular lines are disclaimed.
FOR ELECTRIC FAN STANDS SIMULATING TABLES OR MAGAZINE STANDS.
Claims use since Feb. 26, 1941.

Ser. No. 441,695. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed Mar. 19, 1941.

Sunbeam

FOR ELECTRICAL APPLIANCES COMPRISING ELECTRIC FLATIRONS (GROUP A); ELECTRIC TOASTER GRILLS, ELECTRIC TOASTER AND TABLE STOVES, AND ELECTRIC TOASTERS (GROUP B); ELECTRIC HEATING PADS FOR GENERAL USE (GROUP C); PORTABLE ELECTRIC RADIANT HEATERS FOR GENERAL USE (GROUP D); ELECTRIC PERCOLATORS, ELECTRIC LIGHTERS FOR PIPES, CIGARS AND CIGARETTES, AND ELECTRIC COFFEE-MAKERS (GROUP E); ELECTRIC FOOD MIXERS AND ELECTRIC WAFFLE IRONS (GROUP F); ELECTRICALLY OPERATED ROOM AND SPACE HEATERS, DESK FANS AND SCISSORS, AND ELECTRICALLY OPERATED ATTACHMENTS FOR FOOD MIXERS COMPRISING DRINK MIXERS, POTATO PEELERS, VEGETABLE SLICERS AND SHREDDERS, CAN OPENERS, KNIFE SHARPENERS, FOOD CHOPPERS AND MEAT GRINDERS, ICE CREAM FREEZER DRIVE UNITS, SILVER POLISHERS AND BUFFERS, JUICE EXTRACTORS AND COFFEE GRINDERS (GROUP G); ELECTRICALLY OPERATED ATTACHMENTS FOR FOOD MIXERS COMPRISING COLANDERS, PEA SHELLERS (GROUP H), BEAN SLICERS (GROUP I), AND BUTTER CHURNS (GROUP J); AND ELECTRIC CORD SETS AND PLUGS (GROUP K).
Claims use on the goods in Group A, since March 1, 1921; Group B, since March 25, 1922; Group C, since April 1, 1927; Group D, since December 1, 1928; Group E, since May 1, 1929; Group F, since September 1, 1930; Group G, since June 1, 1931; Group H, since 1934; Group I, since 1927; Group J, since 1940; and Group K, since 1924.

Ser. No. 441,781. OPERADIO MANUFACTURING CO., St. Charles, Ill. Filed Mar. 21, 1941.



FOR ELECTRICAL LOUDSPEAKERS, AND PARTS THEREOF AND ACCESSORIES THEREFOR, ELECTRICAL TRANSFORMERS, AMPLIFIERS, INTERCOMMUNICATING EQUIPMENT AND PARTS THEREOF AND ELECTRICAL COMBINATION SOUND-SLIDE-FILM PHONOGRAPH PROJECTOR UNITS.
Claims use since July 7, 1937.

Ser. No. 442,101. BOWERS BATTERY MFG. COMPANY, INC., Reading, Pa. Filed Mar. 31, 1941.

CERAMITE SEALED

The word "Sealed" is disclaimed except as shown.
FOR SPARK PLUGS.
Claims use since Feb. 3, 1941.

Ser. No. 442,214. ROME CABLE CORPORATION, Rome, N. Y. Filed Apr. 2, 1941.

ROME SYNTHINOL

The word "Rome" is disclaimed apart from the mark.
FOR INSULATED ELECTRICAL CONDUCTORS, WIRES, AND CABLES, AND INSULATING SLEEVING.
Claims use since Feb. 15, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 443,707. TRANSCONTINENTAL & WESTERN AIR, INC., North Kansas City, Mo. Filed May 19, 1941.



FOR PLAYING CARDS.
Claims use since June, 1940.

Ser. No. 443,767. IDEAL NOVELTY & TOY CO., Long Island City, N. Y. Filed May 21, 1941.

GORGEOUS

FOR DOLLS.
Claims use since May 15, 1941.

Ser. No. 443,768. IDEAL NOVELTY & TOY CO., Long Island City, N. Y. Filed May 21, 1941.

SQUEEZEE

FOR DOLLS.
Claims use since May 15, 1941.

Ser. No. 443,895. SHOE FORM CO., INC., Auburn, N. Y. Filed May 24, 1941.

BD

FOR FISH HOOKS.
Claims use since Apr. 25, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 429,766. THE DOALL COMPANY, Minneapolis, Minn. Filed Mar. 20, 1940.

DOALL

FOR GRINDERS OF THE MACHINE TOOL TYPE SUITABLE FOR PRECISION SURFACE GRINDING AND MACHINE TOOL CUTTER GRINDING, MILLING MACHINES AND SPECIAL MILLING MACHINES KNOWN AS DUPLICATORS AND ADAPTED FOR DUPLICATING A PATTERN.
Claims use since Oct. 23, 1939.

Ser. No. 432,099. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed May 18, 1940.

DOMINO

FOR CUTLERY, PARTICULARLY TABLE KNIVES AND FORKS, AND PARTS THEREOF, MADE OF BASE METAL.
Claims use since January, 1939.

Ser. No. 432,100. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed May 18, 1940.

CHEF

FOR CUTLERY, PARTICULARLY BUTCHER AND HOUSEHOLD KNIVES, AND CARVING SETS OF BASE METAL, AND PARTS THEREOF.
Claims use since Jan. 14, 1939.

Ser. No. 434,694. ATLANTIC BLADE CORPORATION, Brooklyn, N. Y. Filed Aug. 5, 1940.

HARD-WEAR
SINGLE EDGE BLADE

No claim is made to the words "Hard-Wear" and "Single Edge Blade" apart from the mark.
FOR RAZORS AND RAZOR BLADES.
Claims use since June 4, 1940.

Ser. No. 435,958. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Sept. 13, 1940.

POWER CHIEF

Applicant disclaims the word "Power" apart from the mark.
FOR PAINT SPRAYERS.
Claims use since June 8, 1939.

Ser. No. 438,873. JOHN A. EBERLY, Mohnton, Pa. Filed Dec. 16, 1940.

NIP - CLIP

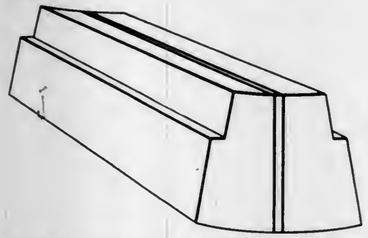
The word "Clip" is disclaimed apart from the mark.
FOR SCISSORS.
Claims use since Nov. 2, 1940.

Ser. No. 440,309. WRIGHT AERONAUTICAL CORPORATION, Paterson, N. J. Filed Jan. 31, 1941.

Curtiss

The mark is a facsimile signature of Glenn H. Curtiss, deceased.
FOR INTERNAL COMBUSTION ENGINE.
Claims use since Jan. 1, 1909.

Ser. No. 440,764. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Feb. 18, 1941.



Trade-Mark consists of two black median lines longitudinally on the inner face and end of each of the staves of a marine bearing. No claim is made to the illustration of the stave per se.
FOR MARINE BEARINGS SUCH AS STERN TUBE BEARINGS AND PINTLE BEARINGS.
Claims use since September, 1934.

Ser. No. 440,907. BASCA MANUFACTURING CO. INC., Indianapolis, Ind. Filed Feb. 24, 1941.



The words "Power Booster" are disclaimed except as shown.
FOR EXHAUST MUFFLERS.
Claims use since Jan. 23, 1941.

Ser. No. 441,062. LANDON P. SMITH, INC., Irvington, N. J. Filed Feb 27, 1941.

Red Devil

FOR SCREW DRIVERS.
Claims use since February, 1900.

Ser. No. 441,219. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Mar. 4, 1941.

EKKO

FOR DIES FOR USE IN FORMING DISHES OF SILVER OR SILVER PLATE.
Claims use since Apr. 11, 1939.

Ser. No. 441,874. MALL TOOL COMPANY, Chicago, Ill. Filed Mar. 24, 1941.

GASAW

FOR POWER DRIVEN SAWS AND FLEXIBLE SHAFTING.
Claims use since Feb. 15, 1939.

Ser. No. 442,070. NATHAN K. MORRIS, Asbury Park, N. J. Filed Mar. 29, 1941.

AERFLO

FOR CAKE AND FRUIT KNIVES NOT MADE OF PRECIOUS METAL.
Claims use since Apr. 1, 1940.

Ser. No. 442,149. THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Mar. 31, 1941.

PLASTI CHROME

No claim is made to the word "Chrome" apart from the mark.
FOR HAND OPERATED TOOLS—NAMELY, AXES, CULTIVATORS, CUTTERS, LETTUCE CUTTERS, THISTLE, DOCK AND WEED CUTTERS, D-HANDLES FOR TOOLS, DRAGS, MANURE DRAGS, POTATO DRAGS, PHOSPHATE DRAGS, STONE DRAGS, EDGERS, LAWN EDGERS, TURF EDGERS, FORKS, LIGHT AND HEAVY FORKS, ALFALFA FORKS, ASPHALT FORKS, BALING FORKS, BALLAST FORKS, BARLEY FORKS, BEET FORKS, CLOVER FORKS, COAL FORKS, COAL SCOOP FORKS, COKE FORKS, COTTON SEED FORKS, ENGLISH DIGGING FORKS, ENSILAGE FORKS, FISH FORKS, FLORAL SPADING FORKS, GRAIN FORKS, HAY FORKS, HEADER FORKS, MANURE FORKS, MILL FORKS, PHOSPHATE FORKS, POTATO DIGGING FORKS, PULP FORKS, SHAVING FORKS, SPADING FORKS, STREET FORKS, STONE FORKS, STONE PICKER FORKS, TANNERS' FORKS, TAR FORKS, VEGETABLE SCOOP FORKS, FLORAL GARDEN TOOLS, ICE CHISELS, HOES, BEET HOES, BLACKLAND HOES, BOYS' HOES, CORN HOES, COTTON HOES, COTTON CHOPPER HOES, CULTIVATOR HOES, EYE HOES, FIELD HOES, FLORAL HOES, GARDEN HOES, GRADING HOES, GRAPE HOES, GRUB HOES, HANDLED SPROUTING HOES, HANDLED SQUARE EYE HOES, LADIES' HOES, MATTOCK HOES, MEADOW HOES, MORTAR HOES, MORTAR MIXER HOES, NURSERY HOES, NURSERYMEN'S HOES, ONION HOES, PLANTER HOES, RHODE ISLAND HOES, RIVETED HOES, SCUFFLE HOES, SPROUTING HOES, STRAWBERRY HOES, STREET HOES, SUGAR BEET HOES, THINNING HOES, TOBACCO HOES, WARREN HOES, WEEDING HOES, WHIRLWIND HOES, CLAM HOOKS, GARBAGE HOOKS, MANURE HOOKS, NURSERYMEN'S HOOKS, PHOSPHATE HOOKS, POTATO HOOKS, REFUSE HOOKS, STONE HOOKS, LAWN COMBS, POKERS, RAKES, ASPHALT RAKES, BRUME RAKES, CLAM RAKES, CURVED TOOTH RAKES, DANDELION RAKES, FLAT BOW RAKES, FLORAL RAKES, GARDEN RAKES, GRAVEL RAKES, LAWN RAKES, LEVEL HEAD RAKES, MALLEABLE RAKES, PINE NEEDLE RAKES, ROAD RAKES, ROUND BOW RAKES, SINGLE SHANK RAKES, STEEL RAKES, STONE RAKES, TAR RAKES, TWO-MAN RAKES, WIRE LAWN RAKES, SEEDLING SETTERS, SCOOPS, SCRAPERS, BARN FLOOR SCRAPERS, CHICKEN HOUSE SCRAPERS, DECK SCRAPERS, FLOOR SCRAPERS, SHIP SCRAPERS, SHOVELS, FIRE SHOVELS, FLORAL SHOVELS, SIDE WALK CLEANERS, SOD LIFTERS, SPADES, CONCRETE SPADES, HAND SPADES, TOOL HANDLES AND PARTS THEREOF, TROWELS, GARDEN TROWELS, NURSERYMEN'S TROWELS, TRANSPLANTING TROWELS, WEEDERS, DANDELION WEEDERS, HAND WEEDERS, ONION WEEDERS.
Claims use since Feb. 24, 1941.

Ser. No. 442,767. AIR-WAY ELECTRIC APPLIANCE CORPORATION, Toledo, Ohio. Filed Apr. 21, 1941.

WIRLAWAY INSECTOR

FOR APPARATUS FOR CLEANING, FUMIGATING AND CONTROLLING MOTHS, ROACHES, AND OTHER INSECT PESTS, DESIGNED FOR ATTACHMENT TO ELECTRIC VACUUM CLEANERS.
Claims use since Mar. 27, 1941.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 441,530. THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood Station, Cincinnati, Ohio. Filed Mar. 14, 1941.

ZONE-AIR

No claim is made to the word "Air" apart from the mark.
FOR DRYING MACHINES, AND MORE PARTICULARLY, FOR MACHINES USED IN LAUNDRIES FOR THE DRYING OF LAUNDRY ARTICLES AND USED IN DRY CLEANING PLANTS FOR THE DRYING OF DRY CLEANING WORK.
Claims use since Dec. 18, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 430,634. ULTRA VIOLET PRODUCTS, INC., Los Angeles, Calif. Filed Apr. 10, 1940.

MINERALIGHT

FOR QUARTZ ULTRA VIOLET FLUORESCENT LAMPS USED IN THE DETECTION AND ANALYSIS OF FLUORESCENT ORES AND MINERALS.
Claims use since Aug. 22, 1939.

Ser. No. 439,099. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Dec. 23, 1940.

KODATRON

FOR PHOTOGRAPHIC MATERIALS—NAMELY, PHOTOGRAPHIC FILM.
Claims use since Aug. 22, 1940.

Ser. No. 439,191. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Dec. 26, 1940.

FLEX-SHU

The word "Shu" is disclaimed apart from the mark.
FOR OPHTHALMIC MOUNTINGS.
Claims use since Nov. 4, 1940.

Ser. No. 440,706. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Feb. 15, 1941.

FANTASOUND

FOR APPARATUS AND EQUIPMENT FOR REPRODUCING SOUND FROM A SOUND FILM RECORD AND PARTS THEREOF.
Claims use since Nov. 11, 1940.

Ser. No. 441,020. INDIAN TERRITORY ILLUMINATING OIL COMPANY, Bartlesville, Okla. Filed Feb. 26, 1941.

GEOLOGRAPH

FOR MECHANICAL INSTRUMENT FOR RECORDING DATA CONCERNING WELL DRILLING OPERATIONS, SUCH AS DRILLING TIME IN MINUTES PER FOOT, ROUND TRIP TIME FOR CHANGING BITS AND ADDING JOINTS, SHUT-DOWN TIME AND THE LIKE.
Claims use since Mar. 12, 1940.

Ser. No. 441,735. KELVIN, BOTTOMLEY & BAIRD, LIMITED, Glasgow, Scotland. Filed Mar. 20, 1941.

Sealax

FOR SOUNDING TUBES.
Claims use since Aug. 22, 1916.

Ser. No. 442,835. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 22, 1941.

KODAK

FOR PHOTOGRAPHIC PRINT ROLLERS, PHOTOGRAPHIC PRINTING FRAMES, LIGHT FILTERS, RANGE FINDERS, FINDERS FOR PHOTOGRAPHIC APPARATUS OR CAMERAS, THERMOMETERS, CABLE RELEASES, LANTERN SLIDE KITS, MATERIALS FOR MAKING LANTERN SLIDES INCLUDING MASKS AND GLASS, PAPER HOLDERS OR BOARDS, PHOTOGRAPHIC PRINT WASHERS, TIPS FOR TRIPOD LEGS, AND CLIPS FOR FILM ROLLS.
Claims use since October 18, 1922 on Print Rollers, since March 27, 1923 on Printing Frames, since August 3, 1932 on Light Filters, since July 10, 1935 on Finders, since August 17, 1938 on Thermometers, since November 15, 1938 on Cable Releases, since November 14, 1940 on Lantern Slide Kits and Materials for Making Lantern Slides, since January 16, 1941 on Paper Holders or Boards, since January 23, 1941 on Photographic Print Washers, since March 24, 1941 on Tips for Tripod Legs, and since April 4, 1941 on Clips for Film Rolls.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 434,873. GEORG JENSEN INC., New York, N. Y. Filed Aug. 10, 1940.

GI

FOR FLATWARE FOR TABLE USE, HOLLOWWARE FOR TABLE AND DECORATIVE USES, TABLEWARE, NAMELY, TRAYS, COASTERS, PLATES, PLACE-CARD HOLDERS, TEA STRAINERS, NAPKIN RINGS AND CLIPS, BOTTLE OPENERS; TOILETWARE, NAMELY, HAIR BRUSHES, MIRRORS, COMBS FOR PERSONAL WEAR AND DRESSING, MANICURING PIECES, PERFUMERY BOTTLES, JARS, COMPACTS, VANITY CASES, POWDER AND JEWELRY BOXES; COCKTAIL SHAKERS; WINE COOLERS AND ICE BUCKETS; CANDLESTICKS, CANDELABRA, CHANDELIERS; DESK ACCESSORIES, NAMELY, PAPER CUTTERS OR KNIVES, LETTER OPENERS, BOOK MARKS AND CLIPS, MAGNIFYING GLASSES; IDENTIFICATION TAGS; KEY RINGS; POCKET KNIVES; ASH TRAYS; CIGARETTE BOXES AND CASES; SPURS AND THIMBLES, AND JEWELRY, NOT INCLUDING WATCHES, FOR PERSONAL WEAR AND ADORNMENT ALL MADE UP OF, OR PLATED WITH OR MOUNTED IN SETTINGS OF SILVER, GOLD, PLATINUM AND OTHER PRECIOUS METALS.
Claims use since 1923.

Ser. No. 434,875. GEORG JENSEN INC., New York, N. Y. Filed Aug. 10, 1940.

GJ

FOR FLATWARE FOR TABLE USE, HOLLOWWARE FOR TABLE AND DECORATIVE USES, TABLEWARE, NAMELY, TRAYS, COASTERS, PLATES, PLACE-CARD HOLDERS, TEA STRAINERS, NAPKIN RINGS AND CLIPS, BOTTLE OPENERS; TOILETWARE, NAMELY, HAIR BRUSHES, MIRRORS, COMBS FOR PERSONAL WEAR AND DRESSING, MANICURING PIECES, PERFUMERY BOTTLES, JARS, COMPACTS, VANITY CASES, POWDER AND JEWELRY BOXES; COCKTAIL SHAKERS; WINE COOLERS AND ICE BUCKETS; CANDLESTICKS, CANDELABRA, CHANDELIERS; DESK ACCESSORIES, NAMELY, PAPER CUTTERS OR KNIVES, LETTER OPENERS, BOOK MARKS AND CLIPS, MAGNIFYING GLASSES; IDENTIFICATION TAGS; KEY RINGS; POCKET KNIVES; ASH TRAYS; CIGARETTE BOXES AND CASES; SPURS AND THIMBLES, AND JEWELRY, NOT INCLUDING WATCHES, FOR PERSONAL WEAR AND ADORNMENT ALL MADE UP OF, OR PLATED WITH, OR MOUNTED IN SETTINGS OF SILVER, GOLD, PLATINUM AND OTHER PRECIOUS METALS.
Claims use since 1933.

Ser. No. 434,877. GEORG JENSEN INC., New York, N. Y. Filed Aug. 10, 1940.



FOR FLATWARE FOR TABLE USE, HOLLOWWARE FOR TABLE AND DECORATIVE USES, TABLEWARE, NAMELY, TRAYS, COASTERS, PLATES, PLACE-CARD HOLDERS, TEA STRAINERS, NAPKIN RINGS AND CLIPS, BOTTLE OPENERS; TOILETWARE, NAMELY, HAIR BRUSHES, MIRRORS, COMBS FOR PERSONAL WEAR AND DRESSING, MANICURING PIECES, PERFUMERY BOTTLES, JARS, COMPACTS, VANITY CASES, POWDER AND JEWELRY BOXES; COCKTAIL SHAKERS; WINE COOLERS AND ICE BUCKETS; CANDLESTICKS, CANDELABRA, CHANDELIERS; DESK ACCESSORIES, NAMELY, PAPER CUTTERS OR KNIVES, LETTER OPENERS, BOOK MARKS AND CLIPS, MAGNIFYING GLASSES; IDENTIFICATION TAGS; KEY RINGS; POCKET KNIVES; ASH TRAYS; CIGARETTE BOXES AND CASES; SPURS AND THIMBLES, AND JEWELRY, NOT INCLUDING WATCHES, FOR PERSONAL WEAR AND ADORNMENT ALL MADE UP OF, OR PLATED WITH, OR MOUNTED IN SETTINGS OF SILVER, GOLD, PLATINUM AND OTHER PRECIOUS METALS.
Claims use since 1923.

Ser. No. 441,478. MARATHON CO., Attleboro, Mass. Filed Mar. 12, 1941.



The picture is that of Jean Maloney.
FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.
Claims use since Aug. 2, 1937.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 441,030. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Feb. 26, 1941.



The words "Moore Mark" are disclaimed apart from the mark.
FOR TOILET BRUSHES—NAMELY, HAIR BRUSHES, TOOTH BRUSHES, NAIL BRUSHES, BATH BRUSHES, COMPLEXION BRUSHES, HAND BRUSHES, AND HAT BRUSHES.
Claims use since Dec. 12, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 438,349. NORTHERN FEATHER WORKS, INC., Newark, N. J., and Chicago, Ill. Filed Nov. 29, 1940.

SUNRISE *Pillow*

The word "Pillow" is disclaimed apart from the mark.
FOR PILLOWS.
Claims use since Jan. 1, 1937.

Ser. No. 442,299. T. Baumritter Co. Inc., New York, N. Y. Filed Apr. 5, 1941.

FLORELATED

FOR FURNITURE—NAMELY, BEDS, CHESTS, END TABLES, CHAIRS, MAGAZINE RACKS, DRESSERS, MIRRORS, DESKS, NIGHT TABLES, VANITY TABLES, BENCHES, DESK CHESTS.
Claims use since Feb. 10, 1941.

CLASS 33

GLASSWARE

Ser. No. 439,924. Blue Ridge Glass Corporation, Kingsport, Tenn. Filed Jan. 24, 1941.

SATINOL

FOR GLASS IN SHEET FORM.
Claims use since Mar. 3, 1933.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 436,826. The Union Fork & Hoe Company, Columbus, Ohio. Filed Oct. 10, 1940.

GAS-VAC

No claim is made to the word "gas" apart from the mark.
FOR AUTOMATIC GAS HEATING AND AIR CONDITIONING UNITS.
Claims use since Mar. 1, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 438,368. National Automotive Parts Association, Detroit, Mich. Filed Nov. 29, 1940.



The words "National Automotive Parts Association" and "Assurance of Quality" are disclaimed apart from the mark.
FOR BRAKE LINING, CLUTCH FACING, PUMP PACKING, FAN BELTS, RUBBER HOSE CONNECTIONS, AND RUBBER AND FABRIC HOSE CONNECTIONS.
Claims use since Apr. 1, 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 441,732. Hammermill Paper Company, Erie, Pa. Filed Mar. 20, 1941.



FOR HOME RECORDING DISCS.
Claims use since Nov. 22, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 442,167. Goldsmith Bros., New York, N. Y. Filed Apr. 1, 1941.

Patcho

FOR GUMMED DISCS FOR LOOSE LEAF STATIONERY.
Claims use since Oct. 5, 1939.

Ser. No. 442,186. Benj. C. Betner Co., Devon, Pa. Filed Apr. 2, 1941.

Lamofilm

FOR MOISTURE PROOF LININGS OR WRAPPERS MADE OF TWO SHEETS OF PAPER LAMINATED TOGETHER FOR PAPER BAGS, AND OTHER USES.
Claims use since Oct. 15, 1940.

Ser. No. 442,323. Kent Hardware Mfg. Corp., New York, N. Y. Filed Apr. 5, 1941.

AUTOSTAMP

FOR RUBBER STAMPS.
Claims use since Dec. 1, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 436,176. Harry F. Guggenheim and Alicia Patterson, Hempstead, Long Island, N. Y. Filed Sept. 20, 1940.

Newsday

FOR NEWSPAPERS.
Claims use since Sept. 3, 1940.

Ser. No. 439,845. Bill Treadwell, New York, N. Y. Filed Jan. 21, 1941.

GABBY SCOOPS

FOR COMIC STRIPS.
Claims use since Jan. 3, 1940.

Ser. No. 440,795. The Young Men's Christian Association of Chicago, Chicago, Ill. Filed Feb. 19, 1941.

Chicago Men

The word "Chicago" is disclaimed apart from the mark.
FOR MAGAZINES.
Claims use since January, 1927.

Ser. No. 441,843. The Tyler Publishing Company, Battle Creek, Mich. Filed Mar. 22, 1941.



No claim is made to the words "American" and "Masonry" apart from the mark.
FOR PERIODICAL.
Claims use since April, 1923.

Ser. No. 442,331. David I. Allentuck, doing business as Pictorial Arts, Washington, D. C. Filed Apr. 5, 1941.

"PIXIE PRINT"

The word "Print" is disclaimed apart from the mark.
FOR PRINTS OF NURSERY SUBJECTS MADE BY THE SCREEN PROCESS.
Claims use since Nov. 13, 1940.

Ser. No. 442,733. Bird Spiker, College Station, Tex. Filed Apr. 18, 1941.

Letter-Graph

FOR PUBLISHED WORD PUZZLES.
Claims use since Apr. 7, 1941.

Ser. No. 442,967. The Parents' Institute, Inc., New York, N. Y. Filed Apr. 25, 1941.

AIR HOSTESS NO. 1

FOR SERIES OF CARTOONS IN A PUBLICATION PUBLISHED FROM TIME TO TIME.
Claims use since Feb. 26, 1941.

Ser. No. 442,968. The Parents' Institute, Inc., New York, N. Y. Filed Apr. 25, 1941.

Junior Housekeeping

FOR COLUMN OR SECTION IN A PUBLICATION PUBLISHED FROM TIME TO TIME.
Claims use since Feb. 26, 1941.

Ser. No. 442,969. The Parents' Institute, Inc., New York, N. Y. Filed Apr. 25, 1941.

School Humor

FOR COLUMN OR SECTION IN A PUBLICATION PUBLISHED FROM TIME TO TIME.
Claims use since Feb. 26, 1941.

CLASS 39

CLOTHING

Ser. No. 417,495. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Mar. 25, 1939.

"SILK-TEX"

The word "Silk" is disclaimed except as shown.
FOR BABY PANTS.
Claims use since Mar. 15, 1939.

Ser. No. 424,960. THE DANIEL HAYS COMPANY, INC., Gloversville, N. Y. Filed Oct. 27, 1939.

Vanguard

FOR GLOVES OF LEATHER AND FABRIC, OR A COMBINATION OF LEATHER AND FABRIC.
Claims use since Sept. 20, 1921.

Ser. No. 430,776. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Apr. 15, 1940.

SUN-BRETTE

The word "Sun" is disclaimed except as shown.
FOR HATS FOR WOMEN.
Claims use since Apr. 10, 1940.

Ser. No. 436,849. KABO CORSET COMPANY, Chicago, Ill. Filed Oct. 11, 1940.

Kabo

FOR CORSETS, GIRDLES, FOUNDATIONS, BRASSIÈRES, CORSELETS, BANDEAUX, COMBINATIONS COMPOSED OF GIRDLES AND PANTIES AND GIRDLES AND BRASSIÈRES.
Claims use since July 1, 1940.

Ser. No. 440,166. JULIUS KAYSER & CO., New York, N. Y. Filed Jan. 31, 1941.

KAYRESS

FOR LADIES' UNDERWEAR, SLIPS, AND NIGHTGOWNS.
Claims use since Jan. 29, 1937.

Ser. No. 440,435. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed Feb. 8, 1941.

DUROLAV

FOR GLOVES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Nov. 19, 1940.

Ser. No. 440,868. LEWIS & LOCKE, INC., New York, N. Y. Filed Feb. 21, 1941.

GANT LANDEL

The word "Gant" is disclaimed apart from the mark.
FOR LADIES' LEATHER GLOVES.
Claims use since 1915.

Ser. No. 440,958. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 24, 1941.

WEARMASTER

FOR MEN'S AND BOYS' RUBBER FOOTWEAR—NAMELY, RUBBER BOOTS, ARCTICS, AND SHOES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF.
Claims use since Mar. 29, 1939.

Ser. No. 441,178. REAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed Mar. 3, 1941.

CRYSTALWEAVE

FOR BELTS FOR OUTER WEAR AND SUSPENDERS.
Claims use since Nov. 15, 1940.

Ser. No. 441,713. SPECIALTY PRODUCTS COMPANY, Jersey City, N. J. Filed Mar. 19, 1941.

PermaSuede

The word "Suede" is disclaimed except as shown.
FOR HOSIERY OF SILK, COTTON, WOOL, RAYON, NYLON, AND OTHER SYNTHETIC MATERIALS AND COMBINATIONS THEREOF.
Claims use since Jan. 20, 1941.

Ser. No. 441,725. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Mar. 20, 1941.

"Finger Tip Shopping"

The word "Shopping" is disclaimed apart from the mark.
FOR WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, UNDERWEAR, HOSIERY, SHOES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF, GARTERS, BELTS FOR OUTER WEAR, HATS, CAPS, HANDKERCHIEFS, SCARFS, SUITS, COATS, SWEATERS, BATHING SUITS, GLOVES MADE OF LEATHER, FABRIC AND/OR COMBINATIONS THEREOF, JACKETS, SLACKS, PAJAMAS, NIGHTGOWNS, BATH ROBES, SKI SUITS, RUBBERS, GALOSHES, MEN'S AND BOYS' TROUSERS, WOMEN'S AND MISSES' DRESSES, OUTER SKIRTS, BLOUSES, AND FOUNDATION GARMENTS.
Claims use since Dec. 12, 1940.

Ser. No. 441,726. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Mar. 20, 1941.

"TELE-SHOPPING"

The word "Shopping" is disclaimed apart from the mark.
FOR WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, UNDERWEAR, HOSIERY, SHOES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF, GARTERS, BELTS FOR OUTER WEAR, HATS, CAPS, HANDKERCHIEFS, SCARFS, SUITS, COATS, SWEATERS, BATHING SUITS, GLOVES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF, JACKETS, SLACKS, PAJAMAS, NIGHTGOWNS, BATH ROBES, SKI SUITS, RUBBERS, GALOSHES, MEN'S AND BOYS' TROUSERS, WOMEN'S AND MISSES' DRESSES, OUTER SKIRTS, BLOUSES, AND FOUNDATION GARMENTS.
Claims use since Dec. 11, 1940.

Ser. No. 441,808. THE CAPLES COMPANY, Chicago, Ill., Omaha, Nebr., Los Angeles, Calif., and New York, N. Y. Filed Mar. 22, 1941.



No claim is made to "U. S.", "Fashions" or "American" except as shown. The name Howard A. Smith is the facsimile signature of the vice president and treasurer of the American Express Co.
FOR LADIES' AND CHILDREN'S PLAY CLOTHES—NAMELY, DRESSES, SHORTS, HALTERS, ROMPERS, AND SUN SUITS, BATHING SUITS AND ROBES, SPORTS DRESSES, AND SEMI-SPORTS DRESSES, EVENING DRESSES, GOWNS AND JACKETS, AND LADIES' HATS.
Claims use since Mar. 14, 1941.

Ser. No. 442,131. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie, N. Y. Filed Mar. 31, 1941.



FOR SLIPS.
Claims use since Nov. 25, 1940.

Ser. No. 442,218. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Apr. 2, 1941.

STETSON THREE WAY

The words "Three-Way" are disclaimed except as shown. Applicant is owner of T. M. Reg. No. 51,990 for the word "Stetson" effected under the 10-year proviso.
FOR MEN'S AND WOMEN'S HATS.
Claims use since Mar. 29, 1941.

Ser. No. 442,231. JULIUS KAYSER & CO., New York, N. Y. Filed Apr. 3, 1941.

KAY-CREPE

No claim is made to the word "Crepe" apart from the mark.
FOR GLOVES OF FABRIC AND COMBINATIONS OF FABRIC AND LEATHER.
Claims use since Mar. 11, 1940.

Ser. No. 442,457. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 10, 1941.

CHERRY COKE

FOR WOMEN'S OUTER AND UNDERGARMENTS—NAMELY, HATS, BELTS FOR OUTER WEAR, FABRIC GLOVES, HOSIERY, HANDKERCHIEFS, COATS, DRESSES, BLOUSES, SKIRTS FOR OUTER WEAR, JACKETS, SWEATERS, SLIPS, BRASSIÈRES, GIRDLES, CHEMISES, NIGHTDRESSES, AND PAJAMAS.
Claims use since Mar. 19, 1941.

Ser. No. 442,458. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 10, 1941.

HOT DOG

FOR WOMEN'S OUTER AND UNDERGARMENTS—NAMELY, HATS, BELTS FOR OUTER WEAR, FABRIC GLOVES, HOSIERY, HANDKERCHIEFS, COATS, DRESSES, BLOUSES, SKIRTS FOR OUTER WEAR, JACKETS, SWEATERS, SLIPS, BRASSIÈRES, GIRDLES, CHEMISES, NIGHTDRESSES, AND PAJAMAS.
Claims use since Mar. 19, 1941.

Ser. No. 442,459. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 10, 1941.

ROSY FUTURE

FOR WOMEN'S OUTER AND UNDERGARMENTS—NAMELY, HATS, BELTS FOR OUTER WEAR, FABRIC GLOVES, HOSIERY, HANDKERCHIEFS, COATS, DRESSES, BLOUSES, SKIRTS FOR OUTER WEAR, JACKETS, SWEATERS, SLIPS, BRASSIÈRES, GIRDLES, CHEMISES, NIGHTDRESSES, AND PAJAMAS.
Claims use since Mar. 19, 1941.

Ser. No. 442,585. BEST & CO. INC., New York, N. Y. Filed Apr. 15, 1941.

COUNTRY PLAID

No claim is made to the word "Plaid" apart from the mark.
FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, HATS, OUTERSKIRTS, UNDERSKIRTS, AND JACKETS MADE OF WOOL OR LEATHER.
Claims use since Sept. 21, 1938.

Ser. No. 442,660. GLUVTEX CORPORATION, New York, N. Y. Filed Apr. 17, 1941.

"Smarty Pants"

The word "Pants" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' PANTIES AND GIRDLES.
Claims use since Jan. 2, 1940.

Ser. No. 442,675. VAN RAALTE COMPANY, INC., New York, N. Y. Filed Apr. 17, 1941.

AMERDOE

FOR FABRIC GLOVES.
Claims use since Mar. 1, 1941.

Ser. No. 442,911. MILIUS SHOE COMPANY, St. Louis, Mo. Filed Apr. 24, 1941.

Life Stride

FOR WOMEN'S SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Feb. 21, 1941.

Ser. No. 443,100. HY PERLMAN & CO. INC., New York, N. Y. Filed Apr. 29, 1941.

Perlcrest

FOR LADIES' UNDERWEAR.
Claims use since Jan. 23, 1941.

Ser. No. 443,187. FISCHER & CO., INC., New York, N. Y. Filed May 2, 1941.

daisy chain

FOR LADIES' PURE SILK UNDERWEAR, INCLUDING NIGHTGOWNS, SLIPS, AND PANTIES.
Claims use since Apr. 29, 1941.

Ser. No. 443,316. MAX ABRAMS, INC., New York, N. Y. Filed May 7, 1941.

Yorkleigh Clothes

The word "Clothes" is disclaimed apart from the mark.
FOR MEN'S CLOTHING—NAMELY, SUITS, TOPCOATS, OVER-COATS, PANTS, AND SPORT JACKETS.
Claims use since Mar. 25, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 441,762. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y. Filed Mar. 21, 1941.

FAMILY-ALBUM PRINTS

The word "Prints" is disclaimed apart from the mark.
FOR PIECE GOODS MADE OF SILK, RAYON, COTTON, WOOL, AND MIXTURES THEREOF, AND VELVET FABRICS, USED IN THE MAKING OF DRESSES, NECKTIES, SHIRTWAISTS, UNDERWEAR, NEGLIGEES, SHIRTS, UPHOLSTERY, DRAPERIES, AND BEDSPREADS.
Claims use since Jan. 15, 1941.

Ser. No. 441,856. CANTOR GREENSPAN CO., INC., New York, N. Y. Filed Mar. 24, 1941.

FUJIORA

FOR SPUN RAYON PIECE GOODS.
Claims use since Dec. 12, 1940.

Ser. No. 442,280. PORTLAND WOOLEN MILLS, INC., Portland, Oreg. Filed Apr. 4, 1941.

WOOL O' THE WEST

The word "Wool" is disclaimed apart from the mark.
FOR BLANKETS.
Claims use since January, 1918.

Ser. No. 442,634. NATIONAL FABRICS CORPORATION, New York, N. Y. Filed Apr. 16, 1941.

PIMLICO

FOR TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, FABRICS CONSISTING OF A MIXTURE OF RAYON AND SILK, AND COTTON, WOOLEN, OR LINEN FABRICS.
Claims use since July 1, 1927.

Ser. No. 442,964. MOHAWK CARPET MILLS, INC., Amsterdam, N. Y. Filed Apr. 25, 1941.

CITADEL

FOR RUGS AND CARPETS.
Claims use since Apr. 1, 1940.

Ser. No. 443,059. FELIX TAUSEND & SONS, New York, N. Y. Filed Apr. 28, 1941.

MOUNTAIN SPUN

The word "Spun" is disclaimed apart from the mark.
FOR TABLE CLOTHS, NAPKINS, SCARFS, AND DOILIES.
Claims use since Jan. 3, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 442,578. TAYLOR-FREEMAN-STANLEY, INCORPORATED, New York, N. Y. Filed Apr. 14, 1941.

Sofna

FOR MANICURE IMPLEMENT OF THE FOUNTAIN PEN TYPE CAPABLE OF HOLDING AND DISPENSING CUTICLE REMOVER.
Claims use since Mar. 7, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 440,910. CALIFORNIA VALENCIA JUICE COMPANY, (INC.), Chicago, Ill. Filed Feb. 24, 1941.

CAVAJUCO

FOR FRUIT JUICES AND MALTLESS NONALCOHOLIC BEVERAGES, BOTH SOLD AS SOFT DRINKS.
Claims use since Apr. 1, 1939.

Ser. No. 442,956. SAMUEL GOLDSTOCK, doing business as Vitamix Company, Pittsburgh, Pa. Filed Apr. 25, 1941.

Vitamix

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since May 27, 1940.

Ser. No. 443,043. GEORGE E. GORTON, Crawford, Nebr. Filed Apr. 28, 1941.

Q-T Mineralized

The word "Mineralized" is disclaimed apart from the mark.
FOR CARBONATED MINERALIZED NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK.
Claims use since Mar. 1, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 434,170. GINO CENTONI, doing business as Roma Packing Company, Chicago, Ill. Filed July 20, 1940.

ROMA IMPERO

No claim is made to the word "Roma" apart from the mark.
FOR BUTTER AND EGGS.
Claims use since Apr. 29, 1940.

Ser. No. 438,063. ALBANY PACKING COMPANY, INC., West Albany, N. Y. Filed Nov. 20, 1940.



The words "New York" and "Albany" and the map of the State of New York are disclaimed except as shown.
FOR MEATS AND MEAT PRODUCTS—VIZ., CANNED HAMS.
Claims use since Nov. 6, 1940.

Ser. No. 439,364. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 2, 1941.

FUL-O-PEP



Applicant is the owner of the following registrations: No. 188,553, August 26, 1924, No. 274,864, August 26, 1930.
FOR DOG FOOD.
Claims use since Nov. 18, 1940.

Ser. No. 440,633. THE NICKEL PLATE SYSTEM, Sioux City, Iowa, and Sioux Falls, S. Dak. Filed Feb. 13, 1941.

The Nickel Plate System
HAMBURGERS

The word "Hamburger" is disclaimed apart from the mark. The lining indicates the color blue.
FOR SANDWICHES.
Claims use since Sept. 1, 1938.

Ser. No. 441,456. TEX-O-KAN FLOUR MILLS COMPANY, doing business under the name of Burrus Mill & Elevator Company, Dallas, Tex. Filed Mar. 11, 1941.



No claim is made to the word "Flour" apart from the mark.
FOR WHEAT FLOUR.
Claims use since Feb. 1, 1941.

Ser. No. 441,604. PAUL C. BRAGG, doing business as Live Foods Products Co., Burbank, Calif. Filed Mar. 17, 1941.

BRAGG
California
MINT TEA



The archer is a likeness of applicant. Applicant is the owner of trade-mark registrations No. 380,419 dated Aug. 20, 1940, and No. 384,758, dated Feb. 4, 1941. The words "California Mint Tea" are disclaimed apart from the mark.
FOR DRIED MINT LEAF TEA.
Claims use since July 1, 1936.

Ser. No. 441,717. WHITE-STOKES COMPANY, INC., Chicago, Ill. Filed Mar. 19, 1941.

SWIRL

FOR PLASTIC MARSHMALLOW USED AS A RAW MATERIAL IN THE MANUFACTURE OR PREPARATION OF ICE CREAM AND OTHER FOOD PRODUCTS.
Claims use since Jan. 30, 1941.

Ser. No. 442,118. FLORIDA FRUIT CANNERS, INC., Frostproof, Fla. Filed Mar. 31, 1941.

VITA - NIP

FOR CANNED FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Feb. 18, 1941.

Ser. No. 442,223. VENICE CELERY DISTRIBUTORS, Los Angeles, Calif. Filed Apr. 2, 1941.

HUNCH

FOR FRESH VEGETABLES—NAMELY, FRESH CELERY.
Claims use since Mar. 14, 1941.

Ser. No. 442,307. COMMERCIAL MILLING CO., Detroit, Mich. Filed Apr 5, 1941.



No claim is made for the words "Extra Fancy Cake and Pastry Flour" apart from the mark. The drawing is lined for blue and red.
FOR WHEAT FLOUR.
Claims use since 1925.

Ser. No. 442,716. MACONOCHIE BROTHERS, LIMITED, London, England. Filed Apr. 18, 1941.

kep

FOR SAUCE FOR USE WITH MEAT, FISH, GAME, CHOPS, CUTLETS, AND CHEESE.
Claims use since August, 1939.

Ser. No. 442,727. SEA BOARD SUPPLY CO., INC., Philadelphia, Pa. Filed Apr. 18, 1941.

DUCK-CEN-TRATE

No claim is made to the word "Duck" except as shown.
FOR FEED CONCENTRATE FOR POULTRY.
Claims use since December, 1939.

Ser. No. 442,729. SEA BOARD SUPPLY CO., INC., Philadelphia, Pa. Filed Apr. 18, 1941.

HOG-CEN-TRATE

No claim is made to the word "Hog" except as shown.
FOR FEED CONCENTRATE FOR ANIMALS PARTICULARLY HOGS.
Claims use since January, 1941.

Ser. No. 442,971. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Apr. 25, 1941.

TWISDO

FOR WHEAT FLOUR.
Claims use since Feb. 11, 1941.

Ser. No. 443,010. LINDSAY RIPE OLIVE COMPAY, Lindsay, Calif. Filed Apr. 26, 1941.

WHITE CROSS

Applicant is the owner of trade-mark registration No. 268,868, dated March 18, 1930.
FOR CANNED OLIVES.
Claims use since July 27, 1929.

Ser. No. 443,143. LEE E. VIVION, JR., Indio, Calif. Filed Apr. 30, 1941.

DOLL HOUSE



FOR FRESH CITRUS AND DECIDUOUS FRUITS AND VEGETABLES.
Claims use since Apr. 14, 1941.

Ser. No. 443,145. LEE E. VIVION, JR., Indio, Calif. Filed Apr. 30, 1941.

SCHOOL HOUSE



FOR FRESH CITRUS AND DECIDUOUS FRUITS AND VEGETABLES.
Claims use since Apr. 10, 1941.

Ser. No. 443,146. LEE E. VIVION, JR., Indio, Calif. Filed Apr. 30, 1941.

TOWN HALL



FOR FRESH CITRUS AND DECIDUOUS FRUITS AND VEGETABLES.
Claims use since Apr. 12, 1941.

Ser. No. 443,229. O. D. GIFFORD, San Diego, Calif. Filed May 3, 1941.

ADIOS

FOR CANNED OLIVES.
Claims use since Apr. 3, 1941.

Ser. No. 443,254. LA MIRADA OLIVE COMPANY, San Francisco, Calif. Filed May 5, 1941.

LA CONDA BRAND

No claim is made to the word "Brand" apart from the mark.
FOR CANNED OLIVES.
Claims use since Apr. 24, 1941.

Ser. No. 443,466. SUNFLOWER PACKING CORP., Porterville, Calif. Filed May 10, 1941.

SILVER DOLLAR

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 30, 1941.

Ser. No. 443,511. W. C. MCCONNELL, San Benito, Tex. Filed May 12, 1941.

RIO RIVER

FOR FRESH VEGETABLES.
Claims use since March, 1934.

CLASS 47

WINES

Ser. No. 439,242. SOCIEDAD ANONIMA VINEDOS Y BODEGAS ARIZU, Buenos Aires, Argentina. Filed Dec. 27, 1940.



No claim is made to the words "Marca Registrada" apart from the mark.
FOR WINES.
Claims use since May 15, 1897.

Ser. No. 440,525. CONSTANTINE J. SKOURAS, New York, N. Y. Filed Feb. 10, 1941.

EVZONE



FOR WINE.
Claims use since Jan. 27, 1941.

Ser. No. 440,526, CONSTANTINE J. SKOURAS, New York, N. Y. Filed Feb. 10, 1941.



The portrait is that of Henry Armstrong.
FOR WINE.
Claims use since Jan. 27, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 440,658. MANY, BLANC & CO., INC., Chicago, Ill. Filed Feb. 14, 1941.



FOR BRANDIES.
Claims use since July 1, 1939.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 441,562. WILLIAM ANDERSON BAKER, Hattiesburg, Miss. Filed Mar. 15, 1941.

SECOND AID KIT

The word "Kit" is disclaimed apart from the mark.
FOR TOILET KIT INCLUDING A CONTAINER IN WHICH IS PLACED A MIRROR, COMB, HAIR BRUSH, AND KINDRED ARTICLES.
Claims use since Jan. 8, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 1, 1941

388,509. LUBRICATING OIL. QUAKER OIL CORPORATION, St. Louis, Mo.
Filed August 17, 1938. Serial No. 409,697. PUBLISHED APRIL 22, 1941. Class 15.

388,510. RAW SILK. KATAKURA SEISHI BOSEKI KABUSHIKI KAISHA, Tokyo, Japan.
Filed December 29, 1938. Serial No. 414,296. PUBLISHED APRIL 15, 1941. Class 1.

388,511. GERMICIDAL SOAP AND GERMICIDAL SHAVING SOAP. JAMES A. SMITH, Philadelphia, Pa.
Filed January 24, 1939. Serial No. 415,192. PUBLISHED DECEMBER 12, 1939. Class 4.

388,512. REINFORCED BUILDING PAPER. PEASE WOODWORK COMPANY, INC., Cincinnati, Ohio.
Filed April 1, 1939. Serial No. 417,774. PUBLISHED APRIL 8, 1941. Class 12.

388,513. ARTICLES OF FURNITURE—NAMELY, BUFFETS, DINING TABLES, SEWING TABLES, CHINA CABINETS, CORNER CABINETS, MIRRORS, DINING CHAIRS, SOFAS, ETC. TOMLINSON OF HIGH POINT, Hight Point, N. C.
Filed April 19, 1939. Serial No. 418,457. PUBLISHED APRIL 22, 1941. Class 32.

388,514. MEN'S AND BOYS' SPORT COATS AND JACKETS. WILSON BROTHERS, Chicago, Ill.
Filed April 28, 1939. Serial No. 418,859. PUBLISHED APRIL 15, 1941. Class 39.

388,515. FIELD SEEDS. ALLMÄNNA SVENSKA UTSÄDES AKTIEBOLAGET, Svalov, Sweden.
Filed July 10, 1939. Serial No. 421,411. PUBLISHED APRIL 22, 1941. Class 1.

388,516. IRON AND STEEL IN STRIPS OR SHEETS. UDDEHOLMS AKTIEBOLAG, Uddeholm, Sweden.
Filed July 21, 1939. Serial No. 421,826. PUBLISHED APRIL 22, 1941. Class 14.

388,517. PEANUT BUTTER. WOODWARDS, INCORPORATED, Minneapolis, Minn.
Filed July 31, 1939. Serial No. 422,162. PUBLISHED APRIL 22, 1941. Class 46.

388,518. COUPONS. ROBERT H. MCELROY, JR., Chicago, Ill.
Filed August 14, 1939. Serial No. 422,591. PUBLISHED APRIL 8, 1941. Class 38.

388,519. MEN'S TOPCOATS AND OVERCOATS. HARRY FISCHER & COMPANY, Philadelphia, Pa.
Filed November 14, 1939. Serial No. 425,613. PUBLISHED JANUARY 16, 1940. Class 39.

388,520. LATEX AND TOXIC LATEX AS A COATING FOR TREES, PLANTS AND OTHER PRODUCTS. PROTEX INDUSTRIES, INC., New York, N. Y.
Filed November 21, 1939. Serial No. 425,860. PUBLISHED APRIL 22, 1941. Class 6.

388,521. PUBLICATIONS RELATING TO CIRCULATION AUDITS TOGETHER WITH STATISTICAL MARKETING DATA. CIRCULATION & MARKET AUDITS, INC., New Haven, Conn.
Filed December 16, 1939. Serial No. 426,642. PUBLISHED APRIL 15, 1941. Class 38.

388,522. BAKERY PRODUCTS—NAMELY, BISCUIT. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed December 28, 1939. Serial No. 426,956. PUBLISHED APRIL 22, 1941. Class 46.

388,523. PERIODICAL PUBLICATION PUBLISHED FROM TIME TO TIME. WHITMAN PUBLISHING COMPANY, Racine, Wis., assignor to K. K. Publications, Incorporated, Poughkeepsie, N. Y., a corporation of New York.
Filed January 5, 1940. Serial No. 427,183. PUBLISHED JUNE 4, 1940. Class 38.

388,524. LADIES' SUITS, COATS, AND DRESSES. ROBERT ROSENBERG, doing business as Rosenberg Garment Co., St. Louis, Mo.
Filed January 31, 1940. Serial No. 428,087. PUBLISHED APRIL 15, 1941. Class 39.

388,525. PRESSURE AND LIQUID LEVEL ACTUATED MULTIPLE AIR VENT UNITS AND CENTRAL MANUAL CONTROL UNITS FOR HOT WATER HEATING SYSTEMS. JAS. P. MARSH CORPORATION, Chicago, Ill.
Filed February 1, 1940. Serial No. 428,123. PUBLISHED APRIL 22, 1941. Class 34.

388,526. PERFUME. PH. CHALEYER, INC., New York, N. Y.
Filed February 15, 1940. Serial No. 428,568. PUBLISHED APRIL 22, 1941. Class 6.

388,527. ICE CREAM. PANGBURN COMPANY, Fort Worth, Tex.
Filed February 17, 1940. Serial No. 428,661. PUBLISHED APRIL 22, 1941. Class 46.

388,528. COCONUT. DODWELL & COMPANY, LTD., New York, N. Y.
Filed February 19, 1940. Serial No. 428,685. PUBLISHED APRIL 22, 1941. Class 46.

388,529. COMPOSITION ROOFING AND SHINGLES. BARBER ASPHALT CORPORATION, Barber, N. J.
Filed February 27, 1940. Serial No. 428,950. PUBLISHED APRIL 22, 1941. Class 12.

388,530. THREAD. THE AMERICAN THREAD COMPANY, New York, N. Y.
Filed March 4, 1940. Serial No. 429,157. PUBLISHED APRIL 1, 1941. Class 43.

388,531. LADIES' AND MISSES' VESTS, SLIPS, NIGHTGOWNS, CHEMISES, AND PAJAMAS. TRUMAN BAILEY, New York, N. Y.
Filed March 4, 1940. Serial No. 429,164. PUBLISHED APRIL 22, 1941. Class 39.

388,532. COMIC STRIPS WITH CONTINUITY, COMBINED WITH COMMERCIAL ADVERTISEMENTS IN THE LAST PANEL, ETC. JULIAN OLLENDORFF, New York, N. Y.
Filed March 7, 1940. Serial No. 429,317. PUBLISHED APRIL 8, 1941. Class 38.

388,533. NEWSPAPER COLUMN. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed April 8, 1940. Serial No. 430,510. PUBLISHED MAY 28, 1940. Class 38.

388,534. METALLIC WELDING ELECTRODES. ATLANTIC STEEL COMPANY, Atlanta, Ga.
Filed April 17, 1940. Serial No. 430,848. PUBLISHED APRIL 22, 1941. Class 14.

388,535. MEN'S SUITS AND BOYS' SUITS. LEVINSOHN BROS. & CO., INC., New York, N. Y.
Filed May 23, 1940. Serial No. 432,259. PUBLISHED JULY 23, 1940. Class 39.

388,536. MEN'S HOSIERY. THE RICHMAN BROTHERS COMPANY, Cleveland, Ohio.
Filed May 29, 1940. Serial No. 432,491. PUBLISHED SEPTEMBER 10, 1940. Class 39.

388,537. GLASS RODS, GLASS TUBING, AND GLASS CONTAINERS—NAMELY, BEAKERS, JARS, DISHES, AND BOTTLES, INCLUDING AMPOULES AND OTHER VIALS, AND FLASKS. KIMBLE GLASS COMPANY, Vineland, N. J.
Filed June 4, 1940. Serial No. 432,642. PUBLISHED APRIL 22, 1941. Class 33.

388,538. MAGAZINE PUBLISHED AT RECURRING INTERVALS. AGRICULTURAL TRADE RELATIONS, INC., Stockton, Calif.
Filed July 3, 1940. Serial No. 433,648. PUBLISHED APRIL 15, 1941. Class 38.

388,539. HAND SOAP. THE PEP BOYS—MANNY, MOE & JACK, Philadelphia, Pa.
Filed July 5, 1940. Serial No. 433,721. PUBLISHED APRIL 22, 1941. Class 4.

388,540. VITREOUS SINK TRIM AND TILE TRIM. GOLCO SANITARY SYSTEM, INC., Philadelphia, Pa.
Filed July 17, 1940. Serial No. 434,063. PUBLISHED APRIL 8, 1941. Class 12.

388,541. NAPKINS, PLAIN, EMBOSSED, AND COCKTAIL; TABLE COVERS; HOUSEHOLD TOWELS; WAXED PAPER; DRAWER LINING AND SHELF PAPER; AND LACE DOILIES. ZELLERBACH PAPER COMPANY, San Francisco, Calif.
Filed July 30, 1940. Serial No. 434,510. PUBLISHED APRIL 22, 1941. Class 37.

388,542. AUTOMOBILE POLISH IN POWDER FORM. BENJAMIN WEISSNER, doing business as Car-Glo Products Co., New York, N. Y., assignor to Charles M. Albion, Cambridge, Mass., doing business as Albion & Sons.
Filed August 7, 1940. Serial No. 434,767. PUBLISHED DECEMBER 24, 1940. Class 16.

388,543. PERIODICAL PUBLICATION. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed August 20, 1940. Serial No. 435,180. PUBLISHED APRIL 22, 1941. Class 38.

388,544. FLUID BURNING GRAVITY FLOOR FURNACES FOR HOUSE HEATING. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans.
Filed September 9, 1940. Serial No. 435,785. PUBLISHED APRIL 22, 1941. Class 34.

388,545. LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, PADS IMPREGNATED WITH DEODORANT AND ANTIPERSPIRANT LOTION, CREAMS FOR THE HANDS AND FACE, CLEANSING PADS IMPREGNATED WITH LOTION; PREPARATIONS FOR SKIN, HAIR, AND FINGERNAILS; AND PERFUMES. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill.
Filed September 16, 1940. Serial No. 436,000. PUBLISHED APRIL 22, 1941. Class 6.

388,546. MACARONI, SPAGHETTI, VERMICELLI, AND NOODLES. THE FOULDS MILLING COMPANY, Libertyville, Ill.
Filed September 19, 1940. Serial No. 436,120. PUBLISHED APRIL 22, 1941. Class 46.

388,547. WOMEN'S, CHILDREN'S, AND INFANTS' SWEATERS KNITTED OF IMPORTED WOOLS. SPUR KNITTING MILLS, INC., New York, N. Y.
Filed September 28, 1940. Serial No. 436,486. PUBLISHED DECEMBER 10, 1940. Class 39.

388,548. WHISKEY. BLOOMINGDALE BROS. INC., New York, N. Y.
Filed October 18, 1940. Serial No. 437,054. PUBLISHED APRIL 22, 1941. Class 49.

388,549. WATER TREATMENT COMPOUND DESIGNED FOR THE PREVENTION OF SCALE, PITTING, AND CORROSION IN BOILERS, CONDENSERS, STEAM COILS, AND OTHER EQUIPMENT WHERE METAL SURFACES ARE EXPOSED TO STEAM AND WATER. FILTREX COMPANY, INC., Elizabeth, N. J.
Filed October 24, 1940. Serial No. 437,241. PUBLISHED APRIL 22, 1941. Class 6.

388,550. WATER TREATMENT COMPOUND DESIGNED FOR THE PREVENTION OF SCALE, PITTING, AND CORROSION IN BOILERS, CONDENSERS, STEAM COILS, AND OTHER EQUIPMENT WHERE METAL SURFACES ARE EXPOSED TO STEAM AND WATER. FILTREX COMPANY, INC., Elizabeth, N. J.
Filed October 24, 1940. Serial No. 437,242. PUBLISHED APRIL 22, 1941. Class 6.

388,551. TIE HOLDERS TO BE ATTACHED TO WALL OR CLOSET DOOR. ALLAN M. MCDARMENT, doing business as Specialties Company, East Cleveland, Ohio.
Filed October 25, 1940. Serial No. 437,283. PUBLISHED APRIL 22, 1941. Class 13.

388,552. PERIODIC PUBLICATION. JOSEPH WARD, Aurora, Ill.
Filed October 26, 1940. Serial No. 437,327. PUBLISHED APRIL 8, 1941. Class 38.

388,553. METAL POLISHING PREPARATION AND FOR SOAPS AND DETERGENTS. DOMINANT PRODUCTS CO., INC., New York, N. Y.
Filed November 1, 1940. Serial No. 437,466. PUBLISHED APRIL 22, 1941. Class 4.

388,554. WHISKEY. LEIGH MOYLE, doing business as Leigh Moyle Liquor Stores, Whittier, Calif.
Filed November 5, 1940. Serial No. 437,599. PUBLISHED APRIL 22, 1941. Class 49.

388,555. PUBLICATION APPEARING ANNUALLY OR IN APPROXIMATELY ANNUAL PERIODS. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed November 7, 1940. Serial No. 437,647. PUBLISHED APRIL 8, 1941. Class 38.

388,556. MEN'S SUITS. ROSENZWEIG & PINCUS, INC., New York, N. Y.
Filed November 13, 1940. Serial No. 437,836. PUBLISHED APRIL 22, 1941. Class 39.

388,557. CLEANER AND POLISH FOR VARNISHED, ENAMELED, LACQUERED, OR PAINTED SURFACES AND HAVING INCIDENTAL PROPERTIES AS A CLEANER AND POLISH FOR LEATHER AND GLASS. CHARLES M. ALBION, doing business as Albion & Sons, Cambridge, Mass.
Filed November 22, 1940. Serial No. 438,103. PUBLISHED MARCH 18, 1941. Class 16.

388,558. FRATERNITY PINS AND OTHER ARTICLES OF JEWELRY, NOT INCLUDING WATCHES. PHI EPSILON PI FRATERNITY, INC., Philadelphia, Pa.
Filed November 25, 1940. Serial No. 438,213. PUBLISHED APRIL 8, 1941. Class 28.

388,559. HONEY. CLOVER GOLD PACKERS, Waxahachie, Tex.
Filed November 25, 1940. Serial No. 438,230. PUBLISHED APRIL 22, 1941. Class 46.

388,560. LADIES' CORSETS, CORSELETS, AND BRASSIÈRES. FRANCEVA, INC., New York, N. Y.
Filed November 29, 1940. Serial No. 438,331. PUBLISHED APRIL 22, 1941. Class 39.

388,561. SCRIPTS FOR A SERIES OF RADIO BROADCASTS SOLD AS A PUBLICATION IN TRADE. HALSELL-HUMPHREY, INCORPORATED, Oklahoma City, Okla.
Filed November 29, 1940. Serial No. 438,335. PUBLISHED APRIL 15, 1941. Class 38.

388,562. BATH POWDERS, CLEANSING CREAMS, COLOGNES, CREAM ROUGES, FACE POWDERS, HAND LOTIONS, LIPSTICKS, NIGHT CREAMS, PERFUMES, SKIN LOTIONS, AND TOILET WATER. MARION HAYES BLAKEMAN, Provincetown, Mass.
Filed November 30, 1940. Serial No. 438,370. PUBLISHED APRIL 22, 1941. Class 6.

388,563. CANNED BEANS IN CHILI GRAVY. KUNER EMPSON CO., Brighton, Colo.
Filed December 5, 1940. Serial No. 438,544. PUBLISHED APRIL 22, 1941. Class 46.

388,564. SCOTCH WHISKY. GEO G. SANDEMAN, SONS & CO., LIMITED, London, England.
Filed December 7, 1940. Serial No. 438,631. PUBLISHED APRIL 22, 1941. Class 49.

388,565. ADVERTISING MATTER SOLD AS SUCH. RICHARD F. LASKER, Jackson Heights, N. Y.
Filed December 12, 1940. Serial No. 438,771. PUBLISHED APRIL 8, 1941. Class 38.

388,566. SPORT COATS AND SPORT JACKETS. CONGRESS SHIRT COMPANY, Boston, Mass.
Filed December 13, 1940. Serial No. 438,792. PUBLISHED APRIL 22, 1941. Class 39.

388,567. ACTIVATED ERGOSTEROL DISSOLVED IN SESAME OIL. VITAMIN TECHNOLOGISTS, INC., Los Angeles, Calif.
Filed December 13, 1940. Serial No. 438,819. PUBLISHED APRIL 22, 1941. Class 6.

388,568. TABLE AND COOKING CHINA AND PORCELAIN WARE, CHINA AND PORCELAIN VASES, URNS, HAIR RECEIVERS, COSMETIC JARS, PERFUME BOTTLES, POWDER BOXES, AND SOAP DISHES. MAX P. H. SCHONFELD, Los Angeles, Calif.
Filed December 16, 1940. Serial No. 438,906. PUBLISHED APRIL 22, 1941. Class 30.

388,569. MISSES', WOMEN'S, AND GIRLS' DRESSES. WELBY DRESSES, INCORPORATED, New York, N. Y.
Filed December 16, 1940. Serial No. 438,915. PUBLISHED APRIL 15, 1941. Class 39.

388,570. CAT FOOD. FRENCH SARDINE CO., INC., Terminal Island, Calif.
Filed December 17, 1940. Serial No. 438,926. PUBLISHED APRIL 22, 1941. Class 46.

388,571. BRANDIES, COGNAC, ANISE, PUNCH, RUM, GIN, AND WHISKY. SANCHEZ ROMATE HERMANOS, S. A., Jerez de la Frontera, Spain.
Filed December 21, 1940. Serial No. 439,076. PUBLISHED APRIL 22, 1941. Class 49.

388,572. HIGH VOLATILE PREMIUM BITUMINOUS COAL. CARNEGIE DOCK & FUEL COMPANY, Minneapolis, Minn.
Filed December 23, 1940. Serial No. 439,093. PUBLISHED APRIL 22, 1941. Class 1.

388,573. GREETING CARDS, TALLIES, PLACE CARDS, VALENTINES, POST CARDS, DECORATIVE CARDS, AND TAGS. AMERICAN COLORTYPE COMPANY, Chicago, Ill.
Filed December 26, 1940. Serial No. 439,186. PUBLISHED APRIL 22, 1941. Class 38.

388,574. MATERIALS FOR REPAIRING TEETH, PARTICULARLY FOR PLASTIC MATERIALS USED IN CONNECTION WITH AND FOR CROWNS, INLAYS, AND FACINGS, AND FOR REPAIRING AND MANUFACTURING ARTIFICIAL TEETH FOR BRIDGES AND DENTURES. FRED A. SLACK, JR., doing business as Tridox Laboratories, Bala, Pa.
Filed December 26, 1940. Serial No. 439,211. PUBLISHED APRIL 22, 1941. Class 44.

388,575. WINES. TRANSAMERICA WINE CORP., New York, N. Y.
Filed December 26, 1940. Serial No. 439,212. PUBLISHED APRIL 22, 1941. Class 47.

388,576. BREAD. BAK-KRAFT CORPORATION, LTD., Los Angeles, Calif.
Filed January 2, 1941. Serial No. 439,329. PUBLISHED APRIL 22, 1941. Class 46.

388,577. FOOD INGREDIENTS CONTAINING VITAMINS FOR USE BY HUMANS, ANIMALS, AND BIRDS, ETC. INTERNATIONAL VITAMIN CORP., New York, N. Y.
Filed January 2, 1941. Serial No. 439,345. PUBLISHED APRIL 22, 1941. Class 46.

388,578. CORDUROY IN THE PIECE AND TREATED TO MAKE THEM WATER REPELLENT. WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y.
Filed January 2, 1941. Serial No. 439,376. PUBLISHED APRIL 22, 1941. Class 42.

388,579. CANNED MEAT LOAVES. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed January 7, 1941. Serial No. 439,468. PUBLISHED APRIL 22, 1941. Class 46.

388,580. INSECTICIDES. THE SELIG COMPANY, Atlanta, Ga.
Filed January 7, 1941. Serial No. 439,475. PUBLISHED APRIL 15, 1941. Class 6.

388,581. NIGHTGOWNS AND PAJAMAS. JULIUS KAYSER & CO., New York, N. Y.
Filed January 9, 1941. Serial No. 439,515. PUBLISHED APRIL 22, 1941. Class 39.

388,582. PERFUME. IRMA ARMANET, San Francisco, Calif.
Filed January 11, 1941. Serial No. 439,574. PUBLISHED APRIL 22, 1941. Class 6.

388,583. SCRATCH FEED FOR POULTRY. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio.
Filed January 11, 1941. Serial No. 439,599. PUBLISHED APRIL 22, 1941. Class 46.

388,584. MEN'S AND BOYS' KNITTED OUTER WEAR — NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS, JACKETS, AND SPORTS COATS. STERLING MILLS, Ilion, N. Y.
Filed January 11, 1941. Serial No. 439,607. PUBLISHED APRIL 22, 1941. Class 39.

388,585. ACID AND ALKALIPROOF BUILDING CEMENTS. PENNSYLVANIA SALT MANUFACTURING CO., Philadelphia, Pa.
Filed January 14, 1941. Serial No. 439,662. PUBLISHED APRIL 15, 1941. Class 12.

388,586. ORAL PREPARATIONS FOR USE AS DENTIFRICES AND MOUTHWASHES. E. R. SQUIBB & SONS, New York, N. Y.
Filed January 14, 1941. Serial No. 439,673. PUBLISHED APRIL 22, 1941. Class 6.

388,587. BUILDING BRICK. METROPOLITAN DETROIT BRICK DEALERS' ASSOCIATION, Detroit, Mich.
Filed January 15, 1941. Serial No. 439,701. PUBLISHED APRIL 8, 1941. Class 12.

388,588. BREAKFAST FURNITURE CONSISTING OF A KITCHEN TABLE WITH IRON BOARD EXTENSION, AND KITCHEN CHAIRS AND DINETTE. D. F. H. NOVELTY FURNITURE CO. INC., New York, N. Y.
Filed January 16, 1941. Serial No. 439,713. PUBLISHED APRIL 22, 1941. Class 32.

388,589. YARNS. AMERICAN SILK SPINNING CO., Providence, R. I.
Filed January 18, 1941. Serial No. 439,768. PUBLISHED APRIL 8, 1941. Class 43.

388,590. LEATHER CLOTH AND MORE PARTICULARLY COMPOSED OF LEATHER FIBER AND OTHER FIBER, AS OF WOOD, COTTON, ETC. ATHOL MANUFACTURING COMPANY, Athol, Mass.
Filed January 21, 1941. Serial No. 439,791. PUBLISHED APRIL 22, 1941. Class 50.

388,591. NEWSPAPER SECTION. KING FEATURES SYNDICATE, INC., New York, N. Y.
Filed January 23, 1941. Serial No. 439,901. PUBLISHED APRIL 8, 1941. Class 38.

388,592. FLAT, SEGMENTAL, SECTIONAL, CYLINDRICAL, AND OTHER FORMS OF ASBESTOS HEAT INSULATION UNITS. ASBESTOS LIMITED, INCORPORATED, New York, N. Y.
Filed January 25, 1941. Serial No. 439,956. PUBLISHED APRIL 22, 1941. Class 12.

388,593. STORAGE TANKS. "AUTOMATIC" SPRINKLER COMPANY OF AMERICA, Youngstown, Ohio.
Filed January 27, 1941. Serial No. 439,985. PUBLISHED APRIL 22, 1941. Class 2.

388,594. PERIODICAL PUBLICATION. WALTER A. GRIGG, Larned, Kans.
Filed January 27, 1941, Serial No. 440,004. PUBLISHED APRIL 8, 1941. Class 38.

388,595. MEN'S AND BOYS' SPORTSWEAR—NAMELY, OUTSIDE SHIRTS, INCLUDING DRESS SHIRTS, PANTS, PAJAMAS, JACKETS, PLAY SUITS, SLACKS, SLACK SUITS, SUITS, OVERCOATS, HATS, AND CRAVATS. HIPSH, INC., Kansas City, Mo.
Filed January 27, 1941. Serial No. 440,006. PUBLISHED APRIL 15, 1941. Class 39.

388,596. MATTRESSES. PARAMOUNT BEDDING CORPORATION, Norfolk, Va.
Filed January 27, 1941. Serial No. 440,020. PUBLISHED APRIL 22, 1941. Class 32.

388,597. BLENDED ALL-PURPOSE WHEAT FLOUR. JOHN W. BISHOP COMPANY, doing business as Bishop's Flour Mills, Martinsburg, W. Va.
Filed January 28, 1941. Serial No. 440,037. PUBLISHED APRIL 22, 1941. Class 46.

388,598. LIPSTICKS, ROUGE, AND FACE POWDER. DON JUAN, INC., New York, N. Y.
Filed January 28, 1941. Serial No. 440,044. PUBLISHED APRIL 15, 1941. Class 6.

388,599. BRANDY. ALEXANDER YOUNG DISTILLING CO., Philadelphia, Pa.
Filed January 28, 1941. Serial No. 440,078. PUBLISHED APRIL 22, 1941. Class 49.

388,600. CONDENSATION PRODUCTS OF ALDEHYDES AND AMINES—NAMELY, SYNTHETIC RESINS AND COMPOSITIONS THEREOF. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed January 29, 1941. Serial No. 440,080. PUBLISHED APRIL 22, 1941. Class 1.

388,601. LADIES' AND MISSES' DRESSES. DOLCES DRESSES, INC., New York, N. Y.
Filed January 31, 1941. Serial No. 440,157. PUBLISHED APRIL 15, 1941. Class 39.

388,602. PREPARATION FOR AIR AND TRAVEL SICKNESS. THE MEREDYNE CORPORATION, Baltimore, Md.
Filed January 31, 1941. Serial No. 440,171. PUBLISHED APRIL 15, 1941. Class 6.

388,603. CANNED CHERRIES. FRUIT GROWERS CO-OPERATIVE, Sturgeon Bay, Wis.
Filed February 1, 1941. Serial No. 440,197. PUBLISHED APRIL 22, 1941. Class 46.

388,604. TEA. JOSEPH TETLEY & CO., INC., New York, N. Y.
Filed February 1, 1941. Serial No. 440,224. PUBLISHED APRIL 22, 1941. Class 46.

388,605. PREPARATIONS USEFUL AS AN AID TO CONVALESCENCE FROM ILLNESS, AS TONICS AND RECONSTITUENTS TO AID IN THE DEVELOPMENT OF CHILDREN, ETC. THE ULRICI MEDICINE COMPANY, INC., New York, N. Y.
Filed February 1, 1941. Serial No. 440,226. PUBLISHED APRIL 22, 1941. Class 6.

388,606. PREPARATIONS USEFUL AS AN AID TO CONVALESCENCE FROM ILLNESS AS TONICS, ETC. THE ULRICI MEDICINE COMPANY, INC., New York, N. Y.
Filed February 1, 1941. Serial No. 440,227. PUBLISHED APRIL 22, 1941. Class 6.

388,607. OINTMENT CONTAINING COD LIVER OIL AND ZINC OXIDE, USED FOR LOCAL APPLICATION IN THE TREATMENT OF MINOR WOUNDS AND BURNS. GEORGE W. FILLAUER, Chattanooga, Tenn.
Filed February 3, 1941. Serial No. 440,239. PUBLISHED APRIL 15, 1941. Class 6.

388,608. LIPSTICKS. LUCIEN LELONG, INC., Chicago, Ill.
Filed February 3, 1941. Serial No. 440,256. PUBLISHED APRIL 15, 1941. Class 6.

388,609. WHISKEY. MID-VALLEY DISTILLING CORP., Archbald, Pa.
Filed February 3, 1941. Serial No. 440,258. PUBLISHED APRIL 22, 1941. Class 49.

388,610. FRUIT PRESERVES. OELERICH & BERRY COMPANY, Chicago, Ill.
Filed February 3, 1941. Serial No. 440,260. PUBLISHED APRIL 22, 1941. Class 46.

388,611. MAGAZINE SECTION. MOCK, JUDSON, VOEHRINGER CO. OF NEW YORK, INC., Long Island City, N. Y.
Filed February 4, 1941. Serial No. 440,289. PUBLISHED APRIL 15, 1941. Class 38.

388,612. CANDY. MABEL M. GREEN, Van Nuys, Calif.
Filed February 4, 1941. Serial No. 440,302. PUBLISHED APRIL 22, 1941. Class 46.

388,613. COSMETICS — NAMELY, FOUNDATION CREAM. MARTIN DE BOTELHO, doing business as Alexandra de Markoff, New York, N. Y.
Filed February 5, 1941. Serial No. 440,319. PUBLISHED APRIL 15, 1941. Class 6.

388,614. LADIES', MISSES', AND CHILDREN'S SUITS AND COATS. MORRIS GILBERT COMPANY INC., New York, N. Y.
Filed February 5, 1941. Serial No. 440,330. PUBLISHED APRIL 22, 1941. Class 39.

388,615. MEN'S, WOMEN'S, MISSES', AND CHILDREN'S JACKETS, DRESSES, COATS, APRONS, SMOCKS, SHIRTS, AND BLOUSES. STORYK BROTHERS, INC., New York, N. Y.
Filed February 5, 1941. Serial No. 440,348. PUBLISHED APRIL 22, 1941. Class 39.

388,616. SKIN LOTIONS. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed February 6, 1941. Serial No. 440,352. PUBLISHED APRIL 22, 1941. Class 6.

388,617. FUR AND FUR TRIMMED COATS AND JACKETS. SAMUEL SCHULMAN, New York, N. Y.
Filed February 6, 1941. Serial No. 440,387. PUBLISHED APRIL 22, 1941. Class 39.

388,618. HAIR PREPARATION. TRIPOLI BARBERS' SUPPLY COMPANY, also doing business as Tripoli Co., Philadelphia, Pa.
Filed February 6, 1941. Serial No. 440,394. PUBLISHED APRIL 22, 1941. Class 6.

388,619. ALUMINUM PLATE FOR PHOTOLINE AND DIRECT IMAGE WORK IN LITHOGRAPHY. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill.
Filed February 8, 1941. Serial No. 440,447. PUBLISHED APRIL 22, 1941. Class 50.

388,620. BLEACHING WATER. CROWN PRODUCTS CORPORATION, Los Angeles, Calif.
Filed February 10, 1941. Serial No. 440,493. PUBLISHED APRIL 22, 1941. Class 6.

388,621. PRINTED PUBLICATION—VIZ., A MONTHLY MAGAZINE FOR MOTORCYCLISTS. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis.
Filed February 10, 1941. Serial No. 440,508. PUBLISHED APRIL 22, 1941. Class 38.

388,622. TOOTHBRUSHES. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio.
Filed February 10, 1941. Serial No. 440,520. PUBLISHED APRIL 22, 1941. Class 29.

388,623. HOSIERY. JULIUS KAYSER & CO., New York, N. Y.
Filed February 12, 1941. Serial No. 440,599. PUBLISHED APRIL 15, 1941. Class 39.

388,624. WOMEN'S AND GIRLS' PLAY SUITS, CONSISTING OF BLOUSE AND ATTACHED SHORTS, WITH OR WITHOUT A SKIRT. MARJORIE MONTGOMERY, INC., Los Angeles, Calif.
Filed February 12, 1941. Serial No. 440,607. PUBLISHED APRIL 22, 1941. Class 39.

388,625. PNEUMATIC TIRE CASINGS. THE B. F. GOODRICH COMPANY, Akron, Ohio.
Filed February 13, 1941. Serial No. 440,623. PUBLISHED APRIL 22, 1941. Class 35.

388,626. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed February 13, 1941. Serial No. 440,626. PUBLISHED APRIL 22, 1941. Class 27.

388,627. MAHONIA TRIFOLIATA (AN INFUSION OF ALGERITA ROOT), FOR USE IN THE TREATMENT OF INTERNAL AND EXTERNAL INFECTIONS. WILLIAM H. WOOD, doing business as Botanical Laboratories, Chicago, Ill.
Filed February 13, 1941. Serial No. 440,638. PUBLISHED APRIL 15, 1941. Class 6.

388,628. WOMEN'S AND MISSES' SLIPS, NIGHTGOWNS, PAJAMAS, AND CHEMISES. N. EDELSON SONS, New York, N. Y.
Filed February 14, 1941. Serial No. 440,647. PUBLISHED APRIL 22, 1941. Class 39.

388,629. FIRE BRICK. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo.
Filed February 14, 1941. Serial No. 440,651. PUBLISHED APRIL 8, 1941. Class 12.

388,630. WATCHES, WATCH CASES, AND WATCH PARTS. WILLIAM A. MUNEY, Brooklyn, N. Y.
Filed February 14, 1941. Serial No. 440,660. PUBLISHED APRIL 22, 1941. Class 27.

388,631. INSECTICIDES. PERIDE PRODUCTS, INC., Brooklyn and New York, N. Y.
Filed February 14, 1941. Serial No. 440,661. PUBLISHED APRIL 22, 1941. Class 6.

388,632. HOSIERY. CONTINENTAL HOSIERY CORP., New York, N. Y.
Filed February 15, 1941. Serial No. 440,675. PUBLISHED APRIL 15, 1941. Class 39.

388,633. COFFEE IMPROVER, PARTICULARLY A YEAST-CONTAINING COMPOSITION FOR FACILITATING THE FERMENTATION OF PULPED COFFEE IN ITS PREPARATION FOR MARKET. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed February 15, 1941. Serial No. 440,708. PUBLISHED APRIL 22, 1941. Class 6.

388,634. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS AND COCKTAILS. GREENBROS, INC., Cincinnati, Ohio.
Filed February 17, 1941. Serial No. 440,720. PUBLISHED APRIL 22, 1941. Class 49.

388,635. LADIES' SLIPS. WINGET KICKERNICK COMPANY, Minneapolis, Minn.
Filed February 17, 1941. Serial No. 440,737. PUBLISHED APRIL 15, 1941. Class 39.

388,636. COLUMN OR SECTION IN A MONTHLY MAGAZINE. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed February 18, 1941. Serial No. 440,752. PUBLISHED APRIL 22, 1941. Class 38.

388,637. SPORT SHIRTS, SHORTS, GYM PANTS, TRUNKS, SWEATERS, SWEATER VESTS, PULLOVERS, SKI COATS, ETC. STETTHEIMER CO., San Francisco, Calif., and New York, N. Y.
Filed February 18, 1941. Serial No. 440,762. PUBLISHED APRIL 22, 1941. Class 39.

388,638. X-RAY FIXER. DU PONT FILM MANUFACTURING CORPORATION, New York, N. Y.
Filed February 19, 1941. Serial No. 440,777. PUBLISHED APRIL 22, 1941. Class 6.

388,639. PERIODICAL PUBLICATION. PAN AMERICAN BAND INSTRUMENT AND CASE COMPANY, Elkhart, Ind.
Filed February 19, 1941. Serial No. 440,787. PUBLISHED APRIL 15, 1941. Class 38.

388,640. PERIODICAL PUBLICATION. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed February 20, 1941. Serial No. 440,812. PUBLISHED APRIL 22, 1941. Class 38.

388,641. READY-MIXED AND PASTE PAINTS, PAINT ENAMELS, PRIMERS AND PAINT SEALERS, VARNISHES AND STAINS. MOUND CITY PAINT & COLOR CO., St. Louis, Mo.
Filed February 21, 1941. Serial No. 440,872. PUBLISHED APRIL 22, 1941. Class 16.

388,642. VITAMIN B COMPLEX PREPARATION. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed February 21, 1941. Serial No. 440,897. PUBLISHED APRIL 22, 1941. Class 6.

388,643. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, AND COMBINATIONS THEREOF, TABLECLOTHS, NAPKINS, AND KITCHEN TOWELS. KEMP & BEATLEY, INC., New York, N. Y.
Filed February 25, 1941. Serial No. 440,988. PUBLISHED APRIL 22, 1941. Class 42.

388,644. WHISKEY. MID-VALLEY DISTILLING CORPORATION, Archbald, Pa.
Filed February 26, 1941. Serial No. 441,028. PUBLISHED APRIL 22, 1941. Class 49.

388,645. PERFUMES AND SACHETS. NAYMON PLATE CO., Lowell, Mass.
Filed February 26, 1941. Serial No. 441,031. PUBLISHED APRIL 22, 1941. Class 6.

388,646. MATTRESSES OF FOAM RUBBER; BLOCKS OF FOAM RUBBER FOR FILLERS FOR FURNITURE CUSHIONS, AND MATTRESS FOUNDATIONS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed February 26, 1941. Serial No. 441,039. PUBLISHED APRIL 22, 1941. Class 32.

388,647. CITRUS FRUIT CLEANER. THE J. B. FORD COMPANY, Wyandotte, Mich.
Filed February 27, 1941. Serial No. 441,052. PUBLISHED APRIL 22, 1941. Class 4.

388,648. DENTAL SUPPLIES—NAMELY, CAST JACKETS, BRIDGE PONTICS, VENEER FACINGS, AND INLAYS. ACRALITE CO., INC., New York, N. Y.
Filed February 28, 1941. Serial No. 441,070. PUBLISHED APRIL 22, 1941. Class 44.

388,649. ALE AND PORTER. RAINIER BREWING COMPANY, San Francisco, Calif.
Filed February 28, 1941. Serial No. 441,107. PUBLISHED APRIL 22, 1941. Class 48.

388,650. BLANKETS MADE OF WOOL, WOOL AND COTTON, WOOL AND RAYON, COTTON AND RAYON, OR COMBINATIONS OF WOOL AND COTTON, OR WOOL, COTTON, AND RAYON. CHATHAM MANUFACTURING COMPANY, Elkin, N. C.
Filed March 1, 1941. Serial No. 441,127. PUBLISHED APRIL 22, 1941. Class 42.

388,651. PRINTED COTTON, RAYON, AND SILK FABRICS. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed March 1, 1941. Serial No. 441,130. PUBLISHED APRIL 22, 1941. Class 42.

388,652. PERFUMES AND TOILET WATERS, FACE POWDER AND BATH POWDER. ROPHON, INC., New York, N. Y.
Filed March 1, 1941. Serial No. 441,144. PUBLISHED APRIL 22, 1941. Class 6.

388,653. LACQUERS AND VARNISHES. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J.
Filed March 1, 1941. Serial No. 441,145. PUBLISHED APRIL 22, 1941. Class 16.

388,654. ANTI-GALVANIC BLACK PAINT FOR STERN FRAMES OF VESSELS. RED HAND COMPOSITIONS COMPANY, INC., New York, N. Y.
Filed March 3, 1941. Serial No. 441,179. PUBLISHED APRIL 22, 1941. Class 16.

388,655. LIQUID METAL CLEANER. THE SELIG COMPANY, Atlanta, Ga.
Filed March 3, 1941. Serial No. 441,185. PUBLISHED APRIL 22, 1941. Class 4.

388,656. BED SPREADS AND BLANKETS. THE LA SALLE & KOCH CO., Toledo, Ohio.
Filed March 4, 1941. Serial No. 441,208. PUBLISHED APRIL 22, 1941. Class 42.

388,657. MEDICINAL PREPARATIONS AND PARTICULARLY AS A LAXATIVE. ANGLO-FRENCH LABORATORIES, INC., New York, N. Y.
Filed March 6, 1941. Serial No. 441,274. PUBLISHED APRIL 22, 1941. Class 6.

388,658. BLENDED WHISKEY. BEN-BURK, INC., Boston, Mass.
Filed March 7, 1941. Serial No. 441,304. PUBLISHED APRIL 22, 1941. Class 49.

388,659. WHISKEY. J. C. MILLETT CO., San Francisco, Calif.
Filed March 8, 1941. Serial No. 441,361. PUBLISHED APRIL 22, 1941. Class 49.

388,660. HAIR DYES. CERTIFIED PRODUCTS, INC., Washington, D. C.
Filed March 10, 1941. Serial No. 441,388. PUBLISHED APRIL 15, 1941. Class 6.

388,661. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind.
Filed March 10, 1941. Serial No. 441,397. PUBLISHED APRIL 22, 1941. Class 49.

388,662. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind.
Filed March 10, 1941. Serial No. 441,398. PUBLISHED APRIL 22, 1941. Class 49.

388,663. LOCAL ANESTHETIZING, NERVE BLOCKING TABLETS, LOCAL ANESTHETIZING, NERVE BLOCKING POWDERS, LOCAL ANESTHETIZING, NERVE BLOCKING SOLUTIONS, ANESTHETIC TABLETS, ANESTHETIC POWDERS, AND ANESTHETIC SOLUTIONS. ARTHUR E. SMITH, Los Angeles, Calif.
Filed March 11, 1941. Serial No. 441,451. PUBLISHED APRIL 22, 1941. Class 6.

388,664. LIQUEURS, CORDIALS, BRANDIES, AND ROCK AND RYE. ARROW DISTILLERIES, INC., Detroit, Mich.
Filed March 12, 1941. Serial No. 441,464. PUBLISHED APRIL 22, 1941. Class 49.

388,665. PHARMACEUTICAL PREPARATION—NAMELY, A PREPARATION OF THE ANTERIOR PITUITARY GLAND DESIGNED FOR USE IN IMPAIRED CONDITIONS OF THE ANTERIOR PITUITARY GLAND. DIFCO LABORATORIES INCORPORATED, Detroit, Mich.
Filed March 12, 1941. Serial No. 441,469. PUBLISHED APRIL 22, 1941. Class 6.

388,666. VITAMIN PRODUCTS, AND PARTICULARLY A PRODUCT COMPRISING CONCENTRATES OF VITAMINS B_1, G, B_6, AND OTHER FILTRATES AND FACTORS OF THE VITAMIN B COMPLEX. WILLIAM J. WARDALL, Trustee of the Estate of McKesson & Robbins, Inc., Debtor, New York, N. Y.
Filed March 12, 1941. Serial No. 441,497. PUBLISHED APRIL 22, 1941. Class 6.

388,667. FOOT CREAMS. ROBERT DENELS, doing business as Robert, New York, N. Y.
Filed March 13, 1941. Serial No. 441,503. PUBLISHED APRIL 22, 1941. Class 6.

388,668. PREPARATION INDICATED IN THE TREATMENT OF SCABIES. HART DRUG CORPORATION, Miami, Fla.
Filed March 15, 1941. Serial No. 441,576. PUBLISHED APRIL 22, 1941. Class 6.

388,669. CHEMICAL PRODUCT USED FOR DYEING AND FINISHING FOR ALL FIBRES, YARNS, AND FABRICS AS WELL AS LEATHER AND PAPER. WARWICK CHEMICAL COMPANY, West Warwick, R. I.
Filed March 15, 1941. Serial No. 441,595. PUBLISHED APRIL 22, 1941. Class 6.

388,670. BOILER COMPOUNDS. THE WARNER CHEMICAL COMPANY, New York, N. Y.
Filed March 17, 1941. Serial No. 441,655. PUBLISHED APRIL 22, 1941. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

388,671. (CLASS 17. TOBACCO PRODUCTS.) DANIEL LOUGHRAN COMPANY, INCORPORATED, Washington, D. C.
Filed Sept. 12, 1939. Serial No. 423,531.

Amarillo

FOR CIGARS.
Claims use since Feb. 1, 1939.

388,672. (CLASS 33. GLASSWARE.) GUSTAVE GLOCKER, Washington, D. C., assignor to Super-Seal Container Corporation, Washington, D. C., a corporation of Delaware. Filed Jan. 20, 1940. Serial No. 427,652.

SUPER-SEAL

FOR GLASS JARS, USED FOR PRESERVING FRUITS, VEGETABLES, AND THE LIKE.
Claims use since Dec. 15, 1937.

388,673. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio. Filed Feb. 9, 1940. Serial No. 428,379.

Better Spread

FOR OLEOMARGARINE.
Claims use since Nov. 3, 1924.

388,674. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 8, 1940. Serial No. 429,353.

TAST-A-SURED

Applicant is the owner of United States Trade-mark Registration Nos. 373,506 and 309,413.
FOR FOOD PRODUCTS, PARTICULARLY BREAKFAST CEREALS, FLOUR—VIZ., WHEAT FLOUR.
Claims use since Feb. 26, 1940.

388,675. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LIBERTY CHERRY & FRUIT CO. INC., Covington, Ky. Filed May 10, 1940. Serial No. 431,773.

CONCORD

FOR BOTTLED MARASCHINO CHERRIES.
Claims use since July 1, 1939.

388,676. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAN DYK & REEVES, INC., Brooklyn, N. Y. Filed May 10, 1940. Serial No. 431,792.

VAN DYK'S "CLARET"

FOR BOTTLED MARASCHINO CHERRIES.
Claims use since Apr. 23, 1940.

388,677. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BOARD OF HOME MISSIONS OF THE CONGREGATIONAL AND CHRISTIAN CHURCHES, New York, N. Y., and Boston, Mass. Filed May 13, 1940. Serial No. 431,836.

CHILDREN'S Religion

FOR A PERIODICAL PUBLICATION.
Claims use since September 1, 1939.

388,678. (CLASS 47. WINES.) HENRY KELLY & SONS, INC., New York, N. Y., assignor to Henry Kelly Importing & Distributing Co. Inc., New York, N. Y., a corporation of New York. Filed May 18, 1940. Serial No. 432,087.

Jacques Bonet & Cie

FOR CHAMPAGNE.
Claims use since May, 3, 1940.

388,679. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT M. DETWILER, doing business as Detwiler's Ice Cream Shoppe, Oklahoma City, Okla. Filed June 28, 1940. Serial No. 433,478.

BUCKEYE MALT

FOR PREPARED MALTED MILK BEVERAGE MADE FROM POWDERED MALTOSE, MILK AND ICE CREAM.
Claims use since Apr. 10, 1940.

388,680. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) J. H. CERECEDO, doing business as J. H. Cerecedo & Co., Chicago, Ill. Filed Oct. 21, 1940. Serial No. 437,122.

CREAM OF PUERTO RICO

FOR RUM.
Claims use since Apr. 29, 1940.

388,681. (CLASS 39. CLOTHING.) CALLAHAN-COHEN, INC., New York, N. Y. Filed Nov. 30, 1940. Serial No. 438,374.

Individuality frocks

FOR INFANTS' AND CHILDREN'S DRESSES.
Claims use since 1934.

388,682. (CLASS 39. CLOTHING.) YOUTHTONE COATS & SUITS, INC., New York, N. Y. Filed Jan. 14, 1941 Serial No. 439,681.

YOUTHTONE

FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since Dec. 18, 1939.

388,683. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHESTER ORIN BUZZELL, Caribou, Maine. Filed Jan. 21, 1941. Serial No. 439,802.

BUZZELL'S BEST BAKERS

FOR POTATOES.
Claims use since September, 1932.

388,684. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MODERN FOODS, INC., Los Angeles, Calif. Filed Feb. 28, 1941. Serial No. 441,103.

HASTY PASTRY

FOR A READY MIXED PIE CRUST DOUGH.
Claims use since July 1, 1939.

388,685. (CLASS 12. CONSTRUCTION MATERIALS.) THE RUBEROID CO., Bound Brook, N. J., and New York, N. Y. Filed Mar. 11, 1941. Serial No. 441,447.

TIMBERGRAIN

FOR ASPHALT SHINGLES.
Claims use since July 7, 1939.

388,686. (CLASS 38. PRINTS AND PUBLICATIONS.) POCKET BOOKS, INC., New York, N. Y. Filed Mar. 28, 1941. Serial No. 442,051.

Pocket BOOKS

FOR BOOKS.
Claims use since June 19, 1939.

388,687. (CLASS 32. FURNITURE AND UPHOLSTERY.) DAVID PARANSKY, doing business as Star Bedding Company, Pittsburgh, Pa. Filed Apr. 4, 1941. Serial No. 442,276.

FORBES FINE FURNITURE

FOR MATTRESSES, STUDIO COUCHES, BOX SPRINGS, SOFA BEDS, UPHOLSTERED LIVING ROOM AND DINING ROOM FURNITURE.
Claims use since October, 1939.

TRADE-MARK REGISTRATIONS RENEWED

140,896. **NORIT.** DECOLORIZING MEANS, AND MORE ESPECIALLY PULVERIZED DECOLORIZING CARBONS. Registered March 29, 1921. N. V. ALGEMEENE NORIT MAATSCHAPPIJ, Amsterdam, Netherlands, an organized company of the Netherlands. Renewed March 29, 1941.

141,233. **GNOME.** CERTAIN NAMED ELECTRICAL MECHANISM AND APPARATUS. Registered April 12, 1921. SOCIETE DES MOTEURS GNOME ET RHONE, Paris, France, a corporation of France. Renewed April 12, 1941.

141,234. **GNOME.** CERTAIN NAMED INSTRUMENTS FOR USE IN NAVIGATION. Registered April 12, 1921. SOCIETE DES MOTEURS GNOME ET RHONE, Paris, France, a corporation of France. Renewed April 12, 1941.

142,335. **STRATHMORE QUALITY.** CERTAIN DESCRIBED PAPER AND CARDBOARD. Registered May 10, 1921. STRATHMORE PAPER COMPANY, West Springfield, and Mittineague, Mass. Renewed May 10, 1941, to Strathmore Paper Company, West Springfield, Mass., a corporation of Massachusetts.

142,435. **ACROLITE.** UNMOUNTED ABRASIVE WHEELS FORMED OF ARTIFICIAL ABRASIVE MATERIAL. Registered May 17, 1921. E. C. ATKINS & COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed May 17, 1941.

143,348. **ACE.** CERTAIN NAMED GLASSWARE. Registered May 31, 1921. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Renewed May 31, 1941, to The Miller Company, Meriden, Conn., a corporation of Connecticut, assignee.

143,682. **MARSHALL SEAL.** CANNED VEGETABLES, KRAUT, AND PORK AND BEANS. Registered June 7, 1921. MARSHALL CANNING COMPANY, Marshalltown, Iowa, a corporation of Iowa. Renewed June 7, 1941.

143,920. **GEISHA.** FABRICS OF SILK AND SILK MIXTURES IN THE PIECE. Registered June 21, 1921. CHENEY BROTHERS, South Manchester, Conn. Renewed June 21, 1941, to Cheney Brothers, Manchester, Conn., a corporation of Connecticut.

143,970. **OUR OWN.** CERTAIN MACHINES AND TOOLS. Registered June 21, 1921. HALL HARDWARE COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed June 21, 1941.

144,940. **RED DEVIL.** METAL WASHERS AND LOCKWASHERS. Registered July 19, 1921. SMITH & HEMENWAY COMPANY, INC., New York, N. Y., and Irvington, N. J. Renewed July 19, 1941, to Landon P. Smith, Inc., Irvington, N. J., a corporation of New Jersey, successor.

144,960. **POINSETTIA.** FRESH CANTALOUPS, FRESH CAULIFLOWER, FRESH ONIONS, FRESH TOMATOES, AND FRESH GRAPES. Registered July 19, 1921. WILLIS E. URICK, Los Angeles, Calif. Renewed July 19, 1941.

145,409. **M.D.'S.** NON-ALCOHOLIC LIQUID, SEMI-LIQUID, AND CONCENTRATED MALT EXTRACTS. Registered August 2, 1921. MALT-DIASTASE COMPANY, New York, N. Y. Renewed August 2, 1941, to Malt-Diastase Company, Brooklyn, N. Y., a corporation of New York.

145,757. **NESTLÉ'S.** MALTED MILK. Registered August 16, 1921. NESTLÉ'S FOOD COMPANY, INC. Renewed August 16, 1941, to Nestlé's Milk Products, Inc., New York, N. Y., a corporation of New York, by change of name.

145,758. **NESTLÉ'S.** CONDENSED MILK. Registered August 16, 1921. NESTLÉ'S FOOD COMPANY, INC. Renewed August 16, 1941, to Nestlé's Milk Products, Inc., New York, N. Y., a corporation of New York, by change of name.

145,759. **NESTLÉ.** STERILIZED MILK. Registered August 16, 1921. NESTLÉ'S FOOD COMPANY, INC. Renewed August 16, 1941, to Nestlé's Milk Products, Inc., New York, N. Y., a corporation of New York, by change of name.

146,236. **PRINCESS PAT.** CERTAIN NAMED TOILET AND PHARMACEUTICAL PREPARATIONS. Registered September 6, 1921. M. MARTIN GORDON, Chicago, Ill. Renewed September 6, 1941.

146,241. **DELLO BOND.** PAPER FOR WRITING, TYPEWRITING, PRINTING, AND LITHOGRAPHING. Registered September 6, 1921. GROVETON PAPER COMPANY, INC. Renewed September 6, 1941, to Groveton Papers Company, Groveton, N. H., a corporation of Maine, assignee.

146,245. **SPRING VALLEY.** OLEOMARGARIN. Registered September 6, 1921. HARROW-TAYLOR BUTTER CO. Renewed September 6, 1941, to Harrow-Taylor Butter Company, doing business as Harrow-Taylor Co., Kansas City, Mo., a corporation of Missouri, successor.

146,334. **NULAID.** EGGS. Registered September 6, 1921. POULTRY PRODUCERS OF CENTRAL CALIFORNIA, INC. Renewed September 6, 1941, to Poultry Producers of Central California, San Francisco, Calif., an incorporated non-profit cooperative agricultural association of California, assignee.

146,896. **HATCHET.** CREAM TARTAR, BAKING-SODA, SULFUR, AND EPSOM SALTS. Registered September 20, 1921. THE TWITCHELL-CHAMPLIN COMPANY, Portland, Maine, and Boston, Mass. Renewed September 20, 1941, to The Twitchell-Champlin Company, Portland, Maine, and East Cambridge, Mass., a corporation of Maine.

147,040. **HATCHET.** CERTAIN NAMED FOODS. Registered September 27, 1921. THE TWITCHELL-CHAMPLIN COMPANY, Portland, Maine, and Boston, Mass. Renewed September 27, 1941, to The Twitchell-Champlin Company, Portland, Maine, and East Cambridge, Mass., a corporation of Maine.

147,041. **HATCHET.** CREAM TARTAR, BAKING-SODA, SULFUR, AND EPSOM SALTS. Registered September 27, 1921. THE TWITCHELL-CHAMPLIN COMPANY, Portland, Maine, and Boston, Mass. Renewed September 27, 1941, to The Twitchell-Champlin Company, Portland, Maine, and East Cambridge, Mass., a corporation of Maine.

147,079. **MERCITAN.** A PREPARATION FOR THE TREATMENT OF PYORRHEA. Registered October 4, 1921. THE L. D. CAULK COMPANY, Milford, Del., a corporation of Delaware. Renewed October 4, 1941.

147,128. **SURETY.** HAIR-NETS. Registered October 4, 1921. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo. Renewed October 4, 1941, to The May Department Stores Company, New York, N. Y., a corporation of New York.

147,139. **NESTLÉ'S LION.** EVAPORATED MILK. Registered October 4, 1921. NESTLÉ'S FOOD COMPANY, INC. Renewed October 4, 1941, to Nestlé's Milk Products, Inc., New York, N. Y., a corporation of New York, by change of name.

147,140. **NESTLÉ'S LION.** CONDENSED MILK. Registered October 4, 1921. NESTLÉ'S FOOD COMPANY, INC. Renewed October 4, 1941, to Nestlé's Milk Products, Inc., New York, N. Y., a corporation of New York, by change of name.

147,167. **SUR-FAS-RITE.** SOFT PASTE PAINT TO BE APPLIED ON WOOD AND ON METAL SURFACES. Registered October 4, 1921. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed October 4, 1941.

147,182. **VAN RAALTE.** VEILS, VEILINGS, AND NETTINGS IN THE PIECE. Registered October 4, 1921. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Renewed October 4, 1941.

147,411. **GOLDEN FLEECE.** SUITS, OVERCOATS, AND TROUSERS FOR MEN AND BOYS. Registered October 11, 1921. I. SPIEWAK & SONS, New York, N. Y. Renewed October 11, 1941, to I. Spiewak & Sons, Jersey City, N. J., a firm, assignee by mesne assignments.

147,613. **ROYAL WORCESTER.** LACE-LEATHER AND CUT LACES OF LEATHER. Registered October 25, 1921. THE GRATON & KNIGHT MANUFACTURING COMPANY. Renewed October 25, 1941, to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts, assignee.

147,802. **OKOLOOM.** INSULATED CONDUCTORS AND CABLES FOR ELECTRICAL PURPOSES. Registered November 1, 1921. THE OKONITE COMPANY, Passaic, N. J., a corporation of New Jersey. Renewed November 1, 1941.

147,919. **SPIRALETS.** LEG-RINGS USED AS POULTRY-MARKERS. Registered November 8, 1921. MAX BAYERDORFER, Huguenot Park, N. Y. Renewed November 8, 1941, to Max Bayerdorfer, Huguenot Park, Staten Island, N. Y.

147,930. **STRONGBOW.** THREADS OF FLAX, HEMP, TOW, AND RAMIE, OR CHINA-GRASS. Registered November 8, 1921. THE BLACKSTAFF FLAX SPG. & WVG. CO. LTD., Belfast, Ireland. Renewed November 8, 1941, to The Blackstaff Flax Spinning & Weaving Co., Ltd., Belfast, Northern Ireland, a British company.

147,953. **POLLO.** A PREPARATION FOR CLEANING AND POLISHING VARNISHED SURFACES. Registered November 8, 1921. THE CEDAR HILL FORMULAE COMPANY, New Britain, Conn., a corporation of Connecticut. Renewed November 8, 1941.

147,985. **AERO.** LAWN-MOWERS. Registered November 8, 1921. DILLE & MCGUIRE MFG. CO., Richmond, Ind., a corporation of Indiana. Renewed November 8, 1941.

147,986. **LEADER.** LAWN-MOWERS. Registered November 8, 1921. DILLE & MCGUIRE MFG. CO., Richmond, Ind., a corporation of Indiana. Renewed November 8, 1941.

147,987. **RICHMOND.** LAWN-MOWERS. Registered November 8, 1921. DILLE & MCGUIRE MFG. CO., Richmond, Ind., a corporation of Indiana. Renewed November 8, 1941.

147,988. **NEW MAGIC.** LAWN-MOWERS. Registered November 8, 1921. DILLE & MCGUIRE MFG. CO., Richmond, Ind., a corporation of Indiana. Renewed November 8, 1941.

147,989. **GLIDE.** LAWN-MOWERS. Registered November 8, 1921. DILLE & MCGUIRE MFG. CO., Richmond, Ind., a corporation of Indiana. Renewed November 8, 1941.

147,990. **WESTERN.** LAWN-MOWERS. Registered November 8, 1921. DILLE & MCGUIRE MFG. CO., Richmond, Ind., a corporation of Indiana. Renewed November 8, 1941.

147,991. **SUPREME.** LAWN-MOWERS. Registered November 8, 1921. DILLE & MCGUIRE MFG. CO., Richmond, Ind., a corporation of Indiana. Renewed November 8, 1941.

148,021. **SECURITY.** TOOL-BOXES, DEPOSIT-BOXES, AND MERCHANDISE-BINS. Registered November 8, 1921. STEEL EQUIPMENT CORPORATION, New York, N. Y., as assignee of Fire-Proof Furniture and Construction Company, New York, N. Y., and Miamisburg, Ohio. Renewed November 8, 1941, to Security Steel Equipment Corporation, Avenel, N. J., a corporation of New Jersey, assignee by mesne assignments.

148,031. **GOAT.** PEANUTS IN THE SHELL. Registered November 8, 1921. FRANKLIN PEANUT COMPANY, Franklin, Va., a partnership. Renewed November 8, 1941.

148,049. **GLENCO.** SHOE-LACINGS, CORSET-LACINGS, UNDERWEAR-LACINGS, BLOUSE-LACINGS, GALLOONS, AND BRAIDS, ALL OF WHICH ARE MADE OF LINEN, SILK, OR WORSTED. Registered November 8, 1921. GLENCAIRN MANUFACTURING CO., Pawtucket, R. I., a corporation of Rhode Island. Renewed November 8, 1941.

148,107. **VIX-UM.** LIQUID PREPARATION FOR TREATMENT OF CERTAIN AILMENTS. Registered November 8, 1921. JOHN HENRY KESSLER, Cleveland, Ohio. Renewed November 8, 1941.

148,109. **LE ROI.** HOSIERY FOR MEN, WOMEN AND CHILDREN. Registered November 8, 1921. KING & COMPANY. Renewed November 8, 1941, to Le Roi Hosiery Co. Inc., New York, N. Y., a corporation of New York, assignee.

148,186. **DOROTHY.** HAIR-NETS. Registered November 8, 1921. NEW YORK MERCHANDISE CO., INC., New York, N. Y., a corporation of New York. Renewed November 8, 1941.

148,224. **RALECO.** BITUMINOUS COAL. Registered November 8, 1921. RALEIGH SMOKELESS FUEL COMPANY, Beckley, W. Va., a corporation of West Virginia. Renewed November 8, 1941.

148,258. **SHEL-PAINT.** READY-MIXED PAINTS, PASTE PAINTS, PAINT-OILS, VARNISHES, DRY COLORS, JAPAN COLORS, AND OIL-COLORS. Registered November 8, 1921. ALBERT K. SHELDON COMPANY, Boston, Mass. Renewed November 8, 1941, to Albert K. Sheldon Company, Cambridge, Mass., a corporation of Massachusetts.

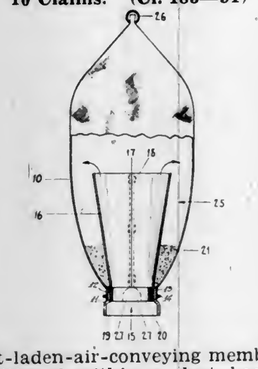
148,269. **USOL.** WOOD-PRESERVATIVES AND FLY-SPRAYS. Registered November 8, 1921. STANDARD TAR PRODUCTS COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed November 8, 1941.

148,270. **STANLEY S. W.** CERTAIN PRECISION TOOLS FOR MECHANICS. Registered November 8, 1921. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Renewed November 8, 1941.

148,303. **ALADDIN.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered November 8, 1921. WATTS, RITTER & COMPANY, Huntington, W. Va., and New York, N. Y., a corporation of West Virginia. Renewed November 8, 1941.

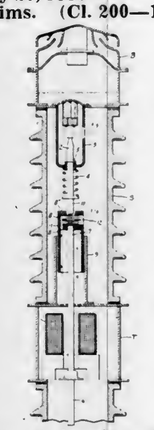
148,308. **G W.** YARNS. Registered November 8, 1921. HYMAN WEISSBERG, New York, N. Y. Renewed November 8, 1941.

21,847
DUST DEFLECTOR
James Bernfeld, Newark, N. J., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Original No. 2,120,347, dated June 14, 1938, Serial No. 90,454, July 14, 1936. Application for reissue April 10, 1940, Serial No. 328,932
10 Claims. (Cl. 183—51)



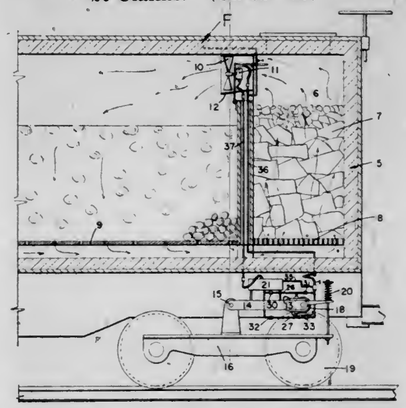
7. A dirt-laden-air-conveying member adapted to be positioned within a dust bag having a mouth, one end of said member being adapted to be connected to said mouth and laterally extending bag-spacing means formed integrally on said member and spaced from said one end and adapted to space the side walls of an enclosing bag from said member in order to form a dirt-collecting space between said member and said bag.

21,848
ELECTRIC CIRCUIT BREAKER
Georges Balachowsky, Paris, France, assignor to General Electric Company, a corporation of New York
Original No. 2,158,846, dated May 16, 1939, Serial No. 124,131, February 4, 1937. Application for reissue May 9, 1941, Serial No. 392,742. In France February 27, 1936
10 Claims. (Cl. 200—150)



1. An electric circuit breaker of the fluid blast type comprising relatively movable contact structure, an arc-extinguishing fluid, and means for extinguishing arcing at said contact structure upon opening of the circuit including insulating structure movable in accordance with the circuit-opening operation, said insulating structure forming fluid passages adapted to traverse portions of the arc path, said insulating structure also including a piston for directing arc-extinguishing fluid through said passages for interrupting the circuit.

21,849
REFRIGERATOR FREIGHT CAR
Kent Schwebs, Hortonville, Wis.
Original No. 2,136,894, dated November 15, 1938, Serial No. 163,065, September 9, 1937. Application for reissue May 27, 1940, Serial No. 337,560
20 Claims. (Cl. 62—19)

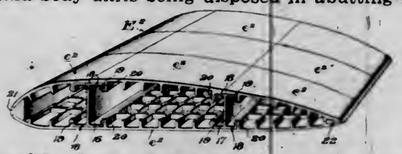


1. Means for operating a fan for circulating air in a refrigerator car, said means including a turbine, a pump for delivering liquid under pressure to the turbine, means for driving the pump from a moving part of the car, said last mentioned means being movable toward and away from the moving part of the car, whereby to permit the driving of the pump from a source other than the car when the car is standing still and when said driving means is away from the moving part of the car, and means for leading the liquid from the pump continuously in one direction to the turbine, irrespective of the direction of rotation of the pump.

21,850
AIRPLANE STRUCTURAL ELEMENT
John B. Thomson, Flushing, N. Y.
Original No. 2,230,393, dated February 4, 1941, Serial No. 133,707, March 29, 1937. Application for reissue April 29, 1941, Serial No. 391,014
3 Claims. (Cl. 244—124)

1. In an aircraft structure, a spar of I-section including a web and end flanges, at least one of said end flanges having inturned marginal portions, a plurality of body units formed of plastic

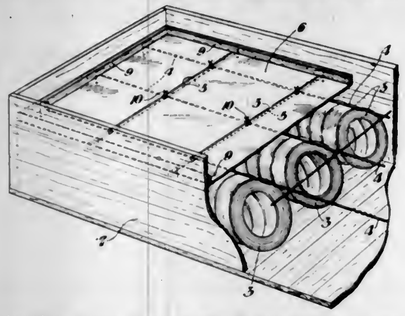
material and provided with marginal portions disposed in overlying relationship to the end flange of said spar which has said inturned marginal flanges, the edges of the marginal portions of said body units being disposed in abutting re-



lationship, flanges integral with said body units abutting the inturned marginal portions of the said flange of said spar, and means fastening said body unit flanges to the inturned portions of the said flange of said spar.

21,851
PROTECTIVE COVERING FOR GONDOLA CARS
James R. Thompson, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Original No. 2,218,441, dated October 15, 1940, Serial No. 205,658, May 2, 1938. Application for reissue November 20, 1940, Serial No. 366,483
4 Claims. (Cl. 105—377)

1. In a gondola type of car within which articles of manufacture have been positioned for shipment, means for protecting the articles of manufacture during transit, including in combination, a plurality of spaced apart longitudinally and transversely disposed wires extending throughout the length and width of the car above said articles therein with the transverse wires disposed in under the longitudinal wires so as to aid in supporting the same, means arranged on the side and end walls of said car to which the said wires are attached, a water-proof protective cover extending over the entire area of said car and supported by said wires, each of said transverse wires consisting of a double wire with the



protective cover interposed therebetween, nailing strips positioned along the free edges of said protective covering around the car and secured to the walls thereof for maintaining the edges of said cover water-tight, and tie wires for fastening the covering and both the longitudinal and transverse wires together at least at some of the points of intersection thereof intermediate the car walls for maintaining the cover in position on the wires at all times.

PLANT PATENTS

GRANTED JULY 1, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

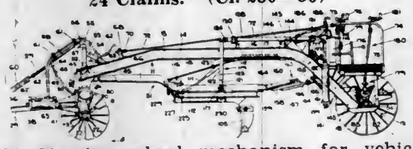
478
CARNATION PLANT
Ollie S. Honaker, Lexington, Ky.
Application February 10, 1941, Serial No. 378,293
1 Claim. (Cl. 47—60)

A new and distinct variety of carnation plant characterized as to novelty by its productive habit of growth, prolificacy of large, full flowers, the unusual rose color of said flowers, the absence of splitting of the calyx; the excellent production of cuttings, the production of flowers upon very stiff and erect stems, and its resistance to disease, substantially as shown and described.

PATENTS

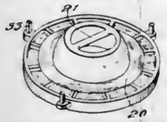
GRANTED JULY 1, 1941

2,247,345
ROAD GRADER
Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works and Manufacturing Company, a corporation of Ohio
Original application February 2, 1933, Serial No. 654,901. Divided and this application April 26, 1935, Serial No. 18,409. Renewed January 12, 1939
24 Claims. (Cl. 280—80)



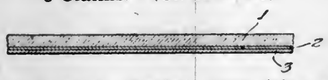
21. Steering wheel mechanism for vehicles, comprising an axle tree, a pair of spaced-apart supporting wheels, axles for said wheels pivotally connected to the ends of said axle tree on spaced-apart parallel axes, an actuating arm secured to one of said axles, an additional arm attached to the other axle, a cross-rod pivotally connected to both of said arms, a tongue pivotally connected to said axle tree, means comprising a fluid-pressure motor for effecting actuation of said arms and said cross-rod to in turn adjust said wheel axles on said parallel axes, and means comprising a fluid pressure motor connected between said tongue and said axle tree to effect steering by swinging the axle tree on an upright axis relatively to said tongue.

2,247,346
DYEING APPARATUS
Samuel Blair, Edgewood, R. I.
Application August 1, 1939, Serial No. 287,707
7 Claims. (Cl. 68—200)



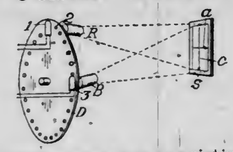
1. An apparatus for multi-color dyeing of a wound open center skein of yarn comprising a circular formed receptacle having an outer wall, a plurality of radiating walls dividing said receptacle into a plurality of liquid-tight sector-shaped compartments and arranged in endless order for the simultaneous reception of said skein of yarn in open center formation, and means for forcing the yarn into each compartment.

2,247,347
BRIGHT COPYING HECTOGRAPH BLANKET
Robert C. Bour, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application February 19, 1940, Serial No. 319,698
5 Claims. (Cl. 41—31.6)



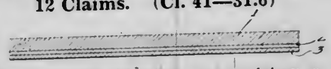
1. A hectograph blanket comprising a copy mass of a hydrophilic gel containing a water insoluble ester of a dihydric alcohol.

2,247,348
SCANNING APPARATUS
Aloysius J. Cawley, Pittston, Pa.
Application July 27, 1931, Serial No. 553,406
8 Claims. (Cl. 178—6)



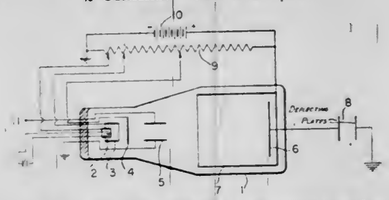
4. A scanning apparatus consisting of a single rotatable element, a plurality of optical elements suitably arranged in image exploring relation on said rotatable element, a plurality of image areas disposed at different points adjacent the periphery of said rotatable element, the vertical axes of said image areas being parallel, said optical elements being so disposed on said rotatable element that but one of said optical elements traverses any of said image areas at any instant, said optical elements being also so arranged on said rotatable element as to traverse said image areas at different angles, a plurality of electro-optical elements in cooperative relation with said optical elements and said image areas to reproduce a plurality of superposable images each of which is scanned in a direction different from that of its neighbor and means for forming said images into a composite image.

2,247,349
BRIGHT COPY HECTOGRAPH DUPLICATION
William J. Champion, Berwyn, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application April 13, 1940, Serial No. 329,429
12 Claims. (Cl. 41—31.6)



1. A hectograph blanket comprising a gelatinous copy mass containing a polyhydric alcohol and a polybasic acid.

2,247,350
CATHODE RAY APPARATUS
Rolf Colberg, Berlin-Dahlem, Germany, assignor to the firm of Fernseh Aktien-Gesellschaft, Zehlendorf, near Berlin, Germany
Application August 10, 1938, Serial No. 224,092
In Germany August 7, 1937
2 Claims. (Cl. 178—7.7)



1. In a television system the combination of a first cathode-ray tube including means for generating an electron beam, a target comprising

materials of different secondary-emissive characteristics and means for deflecting said electron beam across said target in accordance with a television signal comprising picture signal components and synchronizing signal components, thereby alternately to raise and lower the potential of said target, a second cathode-ray tube for reproducing said picture signals including means for generating an electron beam and electrostatic means for deflecting said beam, and means for coupling said electrostatic deflecting means to said target, thereby to deflect said electron beam of said second cathode-ray tube.

2,247,351

PROLAMINE COMPOSITION

Pierre Drewsen and John R. Little, Sandusky, Ohio, assignors to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio

No Drawing. Application September 2, 1938, Serial No. 228,213

11 Claims. (Cl. 134—12)

8. A composition of matter containing zein and alkali rosinate in an aqueous solution.

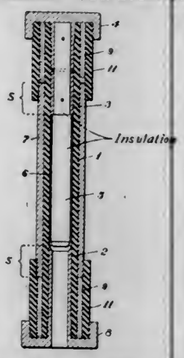
2,247,352

EXPULSION-TYPE EXCESS-VOLTAGE PROTECTIVE TUBE

Otto Ackermann, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 30, 1939, Serial No. 297,337

7 Claims. (Cl. 175—30)



1. An expulsion-type excess-voltage protective tube comprising a thin-walled insulating tube, a conducting electrode extending partway into the tube at each end thereof, said electrodes being normally insulated from each other, at least one of the aforesaid parts being provided with venting means, a conducting strengthening-tube insulated from both electrodes and surrounding the central portion of said insulating tube to augment the bursting-strength of the latter, said conducting strengthening-tube terminating short of both ends of the insulating tube and overlapping a predetermined portion of each of the electrodes, with the wall of the insulating tube interposed in between, said predetermined overlapping portion being of substantially the same distance for each electrode, at least said interposed wall-portions of the insulating tube being of substantially the same thickness for each electrode, which thickness is substantially the minimum thickness necessary to provide the dielectric puncture-strength required to withstand half of the flashover discharge-voltage of the protective tube, with a reasonable factor of safety, the inner bore of the insulating tube being larger than is desirable for extinguishing the internal arc between the inner ends of the electrodes, and an inner plug of insulating material partly filling the bore of the insulating tube between the electrodes so as to provide a restricted-width slotted passage or passages between the inner ends of the electrodes, the wall-material of said slotted passage or passages including gas-evolving arc-responsive material, and the construction being such that a flashover always occurs internally within the insulating tube between the inner ends of the electrodes.

2,247,353

METHOD OF SIZING TEXTILES

László Auer, Taunton, Mass.

No Drawing. Application September 2, 1937, Serial No. 162,161. In Hungary September 4, 1936

5 Claims. (Cl. 91—70)

1. As an improved method of sizing textiles to render the same crush-proof and crease-proof the process which comprises impregnating the textile material with an aqueous solution of cyanamid, prepared of a concentrated cyanamid solution, having a concentration of 6 to 7 per cent of cyanamid, and a formaldehyde solution of 40 per cent strength, in proportions of parts by weight of 1.86 to 4.16 parts of concentrated cyanamid solution to 1 part of formaldehyde solution, drying the impregnated material and resinifying the cyanamid in situ by the aid of heat, in and on the fibers of the textile material.

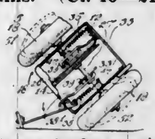
2,247,354

TOY

Samuel I. Berger, Newark, N. J., assignor to Unique Art Manufacturing Co., Inc., Newark, N. J., a corporation of New Jersey

Application October 13, 1937, Serial No. 168,698

5 Claims. (Cl. 46—212)



3. In a toy having a body provided with vertical sides and horizontal upper and lower surface, wheels secured to the vertical sides of said body in parallel relation thereto, a plate pivotally secured to one horizontal surface of said body, a plate pivotally secured to the other horizontal surface thereof, spring means carried by said body and engaging said plates for alternately and automatically moving said plates outwardly to overturn the toy through a 180° arc, and vanes secured to the vertical sides of said body to facilitate the overturning of the toy, said vanes being within planes tangent to the tops and bottoms of said wheels.

2,247,355

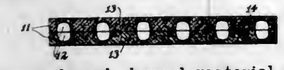
METHOD OF MAKING A COMPRESSED AND DENSIFIED PRODUCT

George B. Brown, Manville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application July 18, 1936, Serial No. 91,268

1 Claim. (Cl. 92—21)

In making a bonded product, the method which includes forming an intimate mixture of wood fibres, hydrated lime, and finely divided diatomaceous earth, shaping and strongly compressing the mixture against a filtering member, to expel a major portion of the water therefrom and produce densification, and then subjecting



the compressed and shaped material to an elevated temperature while minimizing the evaporation of water therefrom, to cause reaction between the lime and finely divided diatomaceous earth with the production of a binder for the fibres.

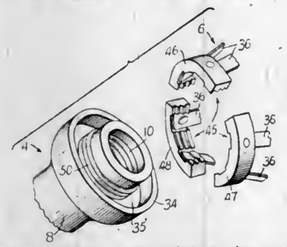
2,247,356

SAFETY LAMP ASSEMBLY

Stewart R. Browne, Jr., Brooklyn, N. Y., assignor to Stewart R. Browne Manufacturing Company, Inc., New York, N. Y., a corporation of New York

Application August 20, 1938, Serial No. 225,870

4 Claims. (Cl. 240—54)



1. A safety lamp, comprising, in combination, a hollow handle having a lamp socket mounted within one end thereof, a portion of the outside of said end being threaded, a lamp guard member comprising a split ring made up of a plurality of segments and a plurality of resilient strips secured together at one end and secured at the other end to said segments, the inside of said ring segments being threaded to coact with said threads on the handle, an annular guide member concentrically mounted on said handle to hold said segments together to form said ring so that the ring may be screwed onto the handle to attach the lamp guard thereto.

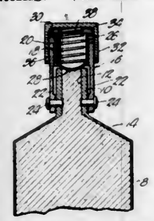
2,247,357

CONTAINER CAP

Emile P. Brus, Kansas City, Mo.

Application December 22, 1939, Serial No. 310,515

5 Claims. (Cl. 221—60)



5. A cap assembly for a collapsible tube comprising a yoke, provided with an externally threaded annular body adapted to be swingably attached to the tube for movement across the mouth of the tube; a hollow valve member loosely mounted on the yoke in the annular head thereof; a spring in the hollow valve member having one end projecting therefrom and against the hood; an internally threaded hood embracing the annular head of the yoke and movable toward and from the valve member as the hood is rotated; and a stop on the hood to limit movement thereof from the valve member, said spring being progressively compressed as the hood is moved toward the valve member to vary the tension thereof, the said hood being movable to force the spring into the valve member and thereafter bear directly against the valve member to clamp the same against the mouth of the tube and to lock the yoke against swinging movement.

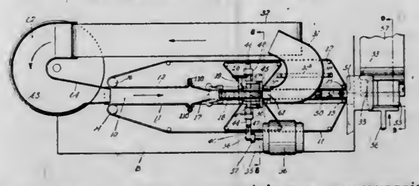
2,247,358

FILLER FORMER FOR CIGAR MACHINES

Hjalmar E. Carlson, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application June 12, 1937, Serial No. 147,916

20 Claims. (Cl. 131—40)



1. A cigar machine comprising a compressing mechanism for compressing an advancing stream of tobacco to substantially uniform density, including a rotary member, a plurality of presser elements carried thereby and successively engaging said stream, and means for cutting off a layer of said stream to reduce it to substantially uniform thickness while under the influence of said elements.

2,247,359

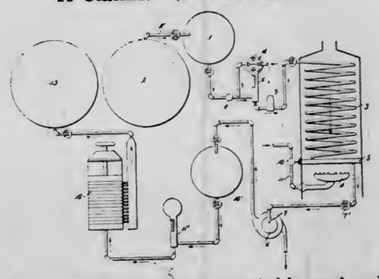
PROCESS FOR REFINING OILS

Benjamin Clayton, Houston, Tex., and Walter B. Kerrick, Los Angeles, and Henry M. Stadt, Glendale, Calif., assignors to Refining, Inc., Reno, Nev., a corporation of Nevada

Application November 3, 1937, Serial No. 172,622

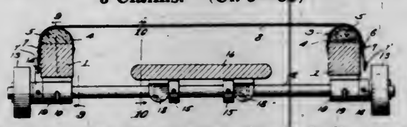
Renewed March 11, 1940

19 Claims. (Cl. 260—424)



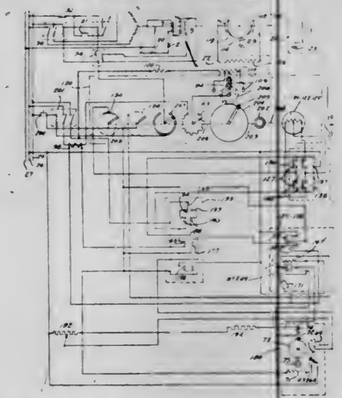
2. A process of purifying vegetable and animal oils containing impurities, comprising the steps of mixing measured quantities of oil and a refining reagent to effect substantial reaction of the impurities with said reagent to form foots, thereafter continuously advancing a relatively small stream of the mixture through a heating zone, continuously and rapidly heating the stream as it passes through said zone to a temperature sufficient to facilitate centrifugal separation, and promptly centrifugally separating the foots from the purified oil.

2,247,360
PATIENT HANDLING DEVICE
William George Clayton, Portland, Conn.
Application May 21, 1940, Serial No. 336,426
3 Claims. (Cl. 5—82)



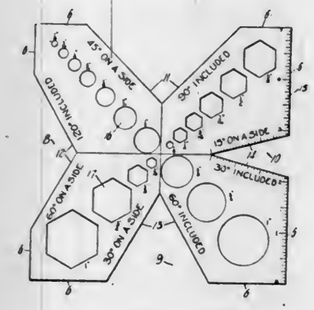
1. Patient handling apparatus including spaced rods, bars mounted on the rods for adjustment toward or from each other, each bar having terminal handles, a board between the bars and detachably mounted on the rods, and means detachably engaging the bars for holding a patient on the board.

2,247,361
AUTOMATIC VOLTAGE CONTROL DEVICE FOR ELECTRICAL PRECIPITATORS
Howard E. Corbitt, Alhambra, Calif., assignor to Percy E. Landolt, New York, N. Y., as trustee
Application January 27, 1939, Serial No. 253,125
6 Claims. (Cl. 183—7)



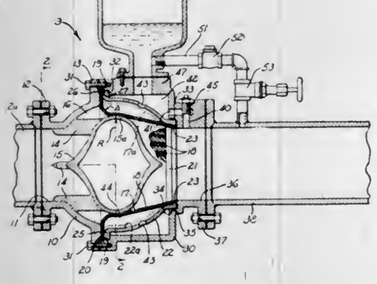
1. A control device for an electrical precipitator device having a set of electrodes charged to a high unidirectional potential and adapted to cause the ionization and the precipitation of suspended particles from gases passed through the region of said electrodes comprising in combination a source of alternating current, a step-up transformer having a tapped primary winding, an adjustable resistance connected in series with said source of current and with said primary winding, rotary means for sequentially adjusting said resistance and the taps of said primary winding, reversible driving means for said rotary means adapted when actuated to vary the high alternating voltage across the secondary winding of said transformer, rectifying means connected to said secondary winding adapted to maintain high unidirectional potential on said electrodes, surge-actuated means responsive to sudden changes of current flow in the primary circuit of said transformer for actuating said reversible driving means in the "raise-voltage" direction when such surges occur less frequently than a predetermined time interval between surges and in the "lower-voltage" direction when such surges occur more frequently than a predetermined time interval, and means for disabling said surge-actuated means during tap-changing intervals.

2,247,362
DRAFTING DEVICE
Howard A. Dibble, Jr., Hartford, Conn.
Application September 15, 1939, Serial No. 295,121
3 Claims. (Cl. 33—104)



1. A drafting device having a generally rectangular body including four protruding corner portions the sides of which if projected would form a rectangle and also having an angular indentation in each edge between and defining said corner portions, each of said indentations having oppositely inclined edges forming a different included angle and each angle having the oppositely inclined edges thereof of equal length.

2,247,363
VALVE DEVICE
Stephen M. Dunn, Los Angeles, Calif.
Application February 13, 1939, Serial No. 256,147
18 Claims. (Cl. 251—122)

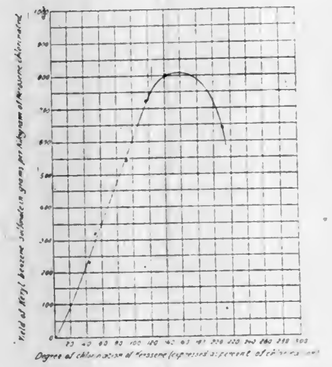


1. In a valve device, the combination of: a housing having a fluid passage therethrough; a collapsible flexible sleeve in said passage adapted when collapsed to shut off the flow of fluid through said passage, said sleeve normally being expanded outwardly during fluid flow through said passage; surge chamber means; fluid connections connecting said surge chamber means with the outlet of said passage and with a chamber surrounding the outside surface of said sleeve, whereby fluid pressure from said surge chamber means is available for collapsing said sleeve; and valve means in the fluid connection connecting said surge chamber means with said passage outlet whereby to selectively restrict fluid flow between said surge chamber means and said passage outlet.

2,247,364
ALKYL ETHERS OF DURO-HYDROQUINONE AND PROCESS FOR PRODUCING THE SAME
Erhard Fernholz, Elizabeth, N. J., assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application June 4, 1937, Serial No. 146.523
9 Claims. (Cl. 260—613)

6. The reaction product of an alkyl halide of a higher alcohol derived from a fatty acid and durohydroquinone.

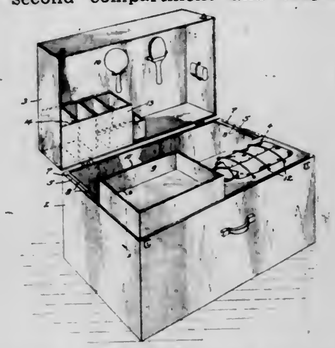
2,247,365
MANUFACTURE OF SIDE-CHAIN AROMATIC SULPHONATES
Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
Application April 15, 1940, Serial No. 329,830
16 Claims. (Cl. 260—505)



1. In the manufacture of side-chain aromatic sulphonates by chlorinating a hydrocarbon mixture of the type of a petroleum distillate, condensing resulting chlorinated hydrocarbons with an aromatic compound, and sulphonating resulting side-chain aromatic compounds, the improvement which comprises chlorinating the hydrocarbon mixture to a degree corresponding to more than 100 per cent and not more than 200 per cent chlorination.

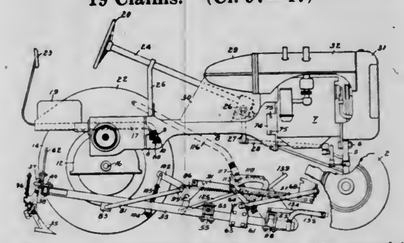
2,247,366
TRAVELING CASE
Annette Fridolph, New York, N. Y.
Application August 20, 1936, Serial No. 97,035
4 Claims. (Cl. 190—41)

1. A traveling case comprising a compartment, slots formed in the top edges of opposite walls of said compartment, said slots being enlarged at spaced points to form openings, a tray member of substantially the same length but of less width than said compartment, including means adapted to enter said openings and cooperate with said slots to guide and permit the tray member to be slidably reciprocated across the top of said compartment, a second compartment attached to said first compartment, said spaced openings being spaced adjacent said second compartment whereby said tray member may be inserted in said openings and then moved away from the second compartment, and means forming a part of said second compartment and cooperating



with said tray member to hold the same in position.

2,247,367
TRACTOR IMPLEMENT
Conrad E. Frudden, Wauwatosa, and Willard H. Tanke and August G. Buhr, La Crosse, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 1, 1939, Serial No. 282,336
19 Claims. (Cl. 97—47)

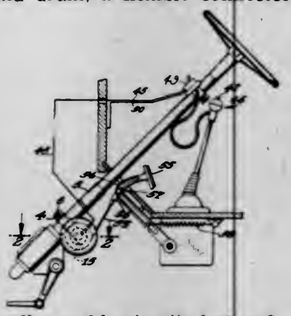


1. In an agricultural implement, the combination with a tractor having a body and means including a pair of axially spaced wheels for sustaining said body, of an attachment comprising a base extending within the tread lines of said wheels below the axis thereof transversely of a vertical plane through said axis; said base having a portion, at one side of said plane, underlying said body, and another portion, at the other side of said plane, extending beyond the peripheries of said wheels; and a vertically collapsible superstructure mounted on said base including a support detachably secured to said tractor body at said first mentioned side of said plane, link means connected with said support and base adapted to transmit draft from said tractor to said base, and other link means connected with said support and base and cooperating with said first named link means to guide said base for translatory up and down movements relative to said tractor; said base and superstructure in collapsed position thereon being adapted to be straddled by said wheels to permit movement of said tractor from and into an attaching position over said support of said collapsed superstructure.

2,247,368
BRAKE CONTROL FOR AUTOMOTIVE VEHICLES
Woodbury A. Gindele, New Rochelle, N. Y.
Application June 19, 1940, Serial No. 341,265
5 Claims. (Cl. 188—265)

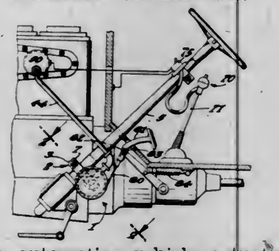
1. In an automotive vehicle including braking

means and a foot pedal controlling said braking means, a shaft, means for securing said shaft in fixed attachment to said automotive vehicle, a drum journaled on said shaft, a winding spring between said drum and said shaft, a pulley carried by said drum, a flexible connector wound



upon said pulley and having its free end connected to said foot pedal, a brake adapted when applied to arrest rotation of said drum, magnetic means for applying said brake, an associated circuit, and means for completing said circuit adjacent the driving position.

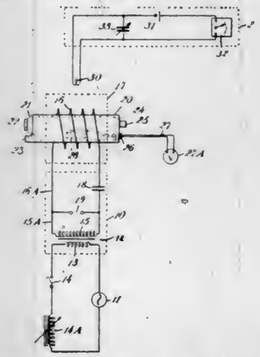
2,247,369
BRAKE CONTROL FOR AUTOMOTIVE VEHICLES
Woodbury A. Gindele, New Rochelle, N. Y.
Application November 28, 1940, Serial No. 367,547
6 Claims. (Cl. 188—265)



1. In an automotive vehicle actuated by an internal combustion engine having an intake manifold and including braking means and a foot pedal controlling said braking means, a shaft, means for securing said shaft in fixed attachment to said automotive vehicle, a drum journaled on said shaft, a winding spring between said drum and said shaft, means for winding a flexible connector carried by said drum, a flexible connector adapted to be wound in part upon said winding means and having its free end connected to said foot pedal, a brake adapted when applied to arrest rotation of said drum, a vacuum operated plunger adapted to apply said brake, a duct operatively connecting said plunger with the intake manifold, a valve controlling flow in said duct and means adjacent the driving position controlling said valve.

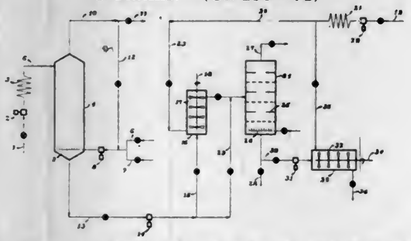
2,247,370
POWDER METALLURGY
Claus Guenter Goetzel, New York, N. Y., assignor to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware
Original application October 18, 1938, Serial No. 235,597. Divided and this application May 31, 1939, Serial No. 276,527
6 Claims. (Cl. 13—26)

1. In apparatus for heating a mass of metal powder particles to bring about metallic bonding therebetween, the combination which comprises a mass of metal powder particles to be heated, an induction coil disposed in inductive relationship with the mass, a source of high frequency current connected to said induction coil in a circuit which permits the frequency of the current to vary substantially with the effective in-



ductance of the coil, means for determining the frequency of the current during the heating, means for determining the temperature of the mass when said frequency attains a substantially constant value during the heating and means for preventing the temperature of the mass from increasing substantially after the frequency has attained the substantially constant value.

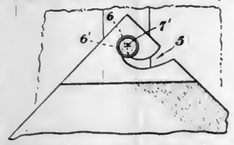
2,247,371
PRODUCTION OF ASPHALT
Donald B. Harrison, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 7, 1938, Serial No. 212,300
8 Claims. (Cl. 196—74)



7. The method of producing asphalt from petroleum residual oil containing less than about 10% of asphaltenes, which comprises contacting said residual oil with sulfur dioxide and air at an elevated temperature such that reaction of the sulfur dioxide and air with the residual oil is effected, and blending the treated residual oil with high boiling oil rich in resins.

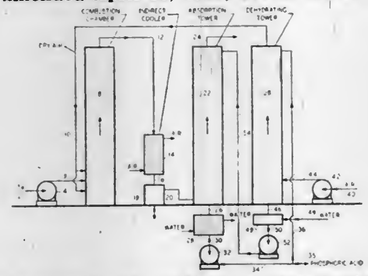
2,247,372
NAPKIN HOLDER
Jason B. Hart, Northfield, Vt.
Application August 2, 1939, Serial No. 288,043
1 Claim. (Cl. 24—8)

In an article of sheet material adapted to be suspended from a garment, a corner portion formed of relatively rigid thin sheet material, said corner portion comprising a hook-shape slot extending through a margin thereof and providing an entrance to said slot in said margin, the sides of said slots being formed to provide said slot with an outer compression guideway adapted to engage a compressible portion of an article of apparel, said slot having an enlarged expansion aperture communicating with said guideway at its inner end, said guideway having an inwardly diminishing taper extending towards said aper-



ture, said guideway being less in width at its inner end than the diameter of said aperture, said aperture being less in width than the normal diameter of an apparel button, said aperture being positioned approximately on the median line of said corner portion whereby said article may be suspended from an apparel button in an approximately symmetrical position.

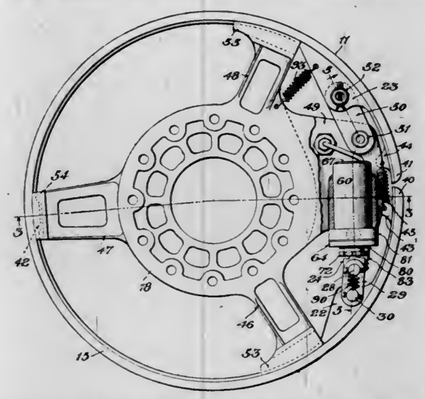
2,247,373
MAKING PHOSPHORIC ACID
Charles E. Hartford, St. Andrews, Fla., and Marcus M. Striplin, Jr., Florence, Ala.
Application January 24, 1939, Serial No. 252,540
4 Claims. (Cl. 23—165)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A process of making a phosphoric acid which has a phosphorus pentoxide content higher than orthophosphoric acid which comprises producing a gaseous mixture containing phosphorus pentoxide vapor substantially free from any hydrated phosphorus pentoxide, and absorbing the phosphorus pentoxide vapor from said mixture in phosphoric acid having a phosphorus pentoxide content greater than orthophosphoric acid and less than the phosphoric acid being made while maintaining said gaseous mixture and said phosphoric acid absorbent respectively at temperatures above the condensation point for phosphorus pentoxide vapor in said mixture.

2,247,374
BRAKE
Jesse G. Hawley, Painted Post, N. Y., assignor to Hawley-Jones Corporation, Riverside, N. Y., a corporation of New York
Application August 15, 1934, Serial No. 739,850
1 Claim. (Cl. 188—152)

In a brake, the combination of a brake shoe provided with a boss near each end thereof, a fixed spider, a diaphragm mechanism connecting the spider and one of said bosses, a pivoted link positively connecting said spider with said other boss, a plurality of spaced means carried by the spider for preventing undue contraction of the shoe, and means for maintaining the

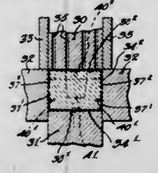


spider in lateral alignment with the brake shoe without restricting rotary movement therebetween.

2,247,375
TREATMENT OF BITUMINOUS MATERIALS
Arthur B. Hersberger, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application December 16, 1937, Serial No. 180,141
2 Claims. (Cl. 196—22)

1. The method of increasing the melting point of a material substantially solely of bituminous origin which comprises admixing said bituminous material with a halogenated organic compound, heating said admixture to temperatures of from about 200° F. to about 400° F. under superatmospheric pressure in the absence of an artificially-introduced oxidizing gas, and thereafter removing said halogenated organic compound from said admixture by distillation at temperatures of from about 400° F. to about 450° F.

2,247,376
REFRACTORY BRICK PROCESS
Russell Pearce Heuer, Bryn Mawr, Pa., assignor to General Refractories Company, a corporation of Pennsylvania
Application March 28, 1938, Serial No. 198,426
10 Claims. (Cl. 25—156)



10. The process of producing a basic refractory brick covered by oxidizable metallic spacer plates in a mold, which comprises positioning upright in the bottom of the mold one U-shaped spacer plate provided with means for interlocking with the brick mix, positioning at the top of the mold another spacer plate provided with means for interlocking with the brick mix, having a basic refractory brick mix within the U, and relatively moving the plates toward one another to interlock the upper and lower plates

with the brick mix and to apply molding pressure to the brick mix between the upper and lower plates.

2,247,377

OIL FILTER BLOCK COMPOSITION

Rolo D. Hill, Los Angeles, Calif., assignor of one-half to Guy S. Tucker, Los Angeles, Calif.

No Drawing. Application November 15, 1938, Serial No. 240,517

2 Claims. (Cl. 210—505)

1. An article as described, comprising a pressed and dried block or slab containing wheat bran, wood pulp of the type used in blotting paper and short fiber asbestos in which the bran has a minimum proportion of 50% to a maximum proportion of 75%, the wood pulp never being less than 10% and the asbestos never less than 15%.

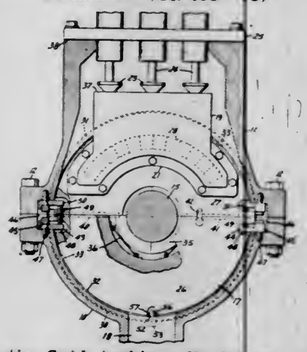
2,247,378

ELASTIC FLUID TURBINE DIAPHRAGM SUPPORTING AND CENTERING ARRANGEMENT

Max A. Hinrichs, Millbrae, Calif., assignor to General Electric Company, a corporation of New York

Application January 25, 1940, Serial No. 315,564

4 Claims. (Cl. 253—78)



1. Elastic fluid turbine diaphragm centering and supporting arrangement comprising a turbine casing, an intermediate stage diaphragm disposed within and engaging a shoulder on the casing, means controlling the flow of fluid to the diaphragm comprising a valve body forming a valve seat and being secured to the diaphragm and a movable valve member guided on the casing, and means centering and supporting the diaphragm of the casing comprising adjustable means between spaced portions of the casing and the diaphragm and an adjustable pin secured to another portion of the casing and projecting into a recess in the diaphragm.

2,247,379

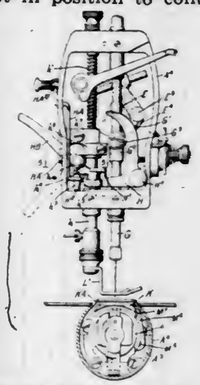
CONVERTIBLE SEWING AND DARNING MACHINE

Richard K. Hohmann, Jamaica, and Frederick Osann, White Plains, N. Y., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application December 29, 1939, Serial No. 311,486

12 Claims. (Cl. 112—121)

1. A sewing machine adapted for interchangeable use in plain sewing and darning operations and including in combination a frame, and mechanism mounted in said frame and comprising needle reciprocating means, cooperating stitch forming mechanism, feed mechanism, means to make said feed mechanism operative or inoperative, a presser foot above said feed mechanism, and means controlling the position of said presser foot and selectively operable to maintain said presser foot in position to continuously engage



work interposed between said presser foot and feed mechanism, or to operatively connect said presser foot to said needle reciprocating means and thereby cause said presser to be lifted out of its work engaging position in synchronism with the reciprocatory movements of the needle.

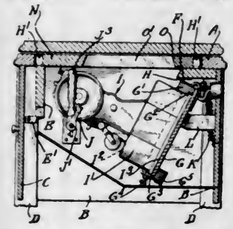
2,247,380

CONVERTIBLE CABINET AND PORTABLE SEWING MACHINE

Richard K. Hohmann, Jamaica, N. Y, assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application January 12, 1940, Serial No. 313,507

5 Claims. (Cl. 312—30)



1. A drop head cabinet for detachably supporting a portable sewing machine, comprising an upper boxlike portion with an opening in its top wall, a member within said portion having a seat for a portable sewing machine, and hinged at one side to said cabinet adjacent one side of said opening to turn up into and down from a position in which a sewing machine mounted in said seat extends upward through said opening and a readily operable self contained means mounted on said member at the margin of said seat for releasably locking a portable sewing machine in said seat.

2,247,381

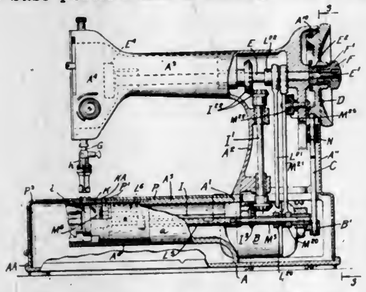
SEWING MACHINE DRIVE MEANS

Richard K. Hohmann, Jamaica, and Frederick Osann, White Plains, N. Y., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Original application December 29, 1939, Serial No. 311,486. Divided and this application August 3, 1940, Serial No. 351,013

4 Claims. (Cl. 112—220)

1. A motor driven sewing machine comprising a framework including a base portion, a hollow standard, and an arm connected to the upper end of the standard and formed at its rear end with a portion extending about and forming an upper peripheral portion of the wall of a pulley recess, said recess being open at its rear side and open at its lower edge to the interior of the hollow standard, a needle shaft having a body portion within and extending longitudinally of said arm and a rear end portion extending through said recess, a driving motor mounted in said base portion and a driving connection be-



tween said motor and shaft, comprising a pulley member mounted on the rear end portion of said shaft and having a pulley groove at its front side, means for releasably clamping said pulley member to said shaft with said pulley groove received within said recess, said pulley member when not clamped to said shaft being movable longitudinally on the latter to move said pulley groove out of said recess, and a belt extending through said standard and normally having its upper portion received in said pulley groove but being movable into and out of said groove when the latter is out of said recess.

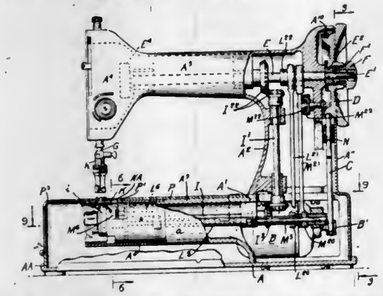
2,247,382

SEWING MACHINE FEED MECHANISM

Richard K. Hohmann, Jamaica, and Frederick Osann, White Plains, N. Y., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Original application December 29, 1939, Serial No. 311,486. Divided and this application July 31, 1940, Serial No. 348,928

2 Claims. (Cl. 112—215)



1. A sewing machine adapted for interchangeable use in plain sewing and darning operations and comprising in combination, a hollow cylinder arm work support, stitch forming mechanism including means external to said arm for giving recurring stitch forming movements to a needle and a hook shaft within and parallel to said cylinder arm and connected to said means to make a plurality of revolutions for each of the recurring stitch forming movements of the needle, a rotating hook within said arm and mounted on said hook shaft and work feeding mechanism mounted in said arm and comprising a tubular feed shaft parallel to said hook shaft and laterally displaced from the axis of said hook shaft by a distance less than the radius of said hook, a second feed shaft extending through said tubular shaft, and a feed dog given up and down movements by the angular movements of one, and given horizontal movements by the angular movements of the other of the two feed shafts, said angular movements being in synchronism with the stitch forming movements of the needle.

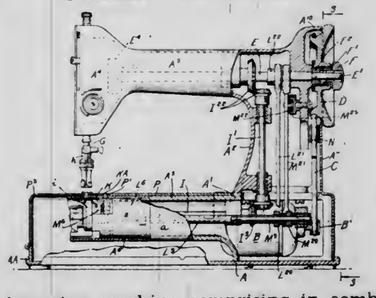
2,247,383

CONVERTIBLE FLAT-BED CYLINDER ARM SEWING MACHINE

Richard K. Hohmann, Jamaica, and Frederick Osann, White Plains, N. Y., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Original application December 29, 1939, Serial No. 311,486. Divided and this application August 3, 1940, Serial No. 351,014

3 Claims. (Cl. 112—260)



1. A sewing machine comprising in combination a frame including a base plate, a standard extending upward from the base plate adjacent one end of the latter and a work supporting cylinder arm extending away from said standard toward the opposite end of the base plate and spaced above the latter and a separable flat bed member detachably mounted on and supported by said frame and comprising a flat bed portion adapted to extend over said cylinder arm and a depending marginal portion adapted to engage said base plate adjacent its edge.

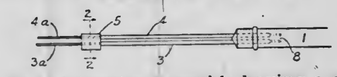
2,247,384

PROTECTING DEVICE FOR ELECTRIC DETONATORS

Daniel D. Huyett, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

Application May 28, 1938, Serial No. 210,564

2 Claims. (Cl. 102—10)



1. In a detonator assembly having a detonator and lead wires therefor; a shunt for electrically connecting an uninsulated portion of each of the wires and adapted to be readily removed therefrom, said shunt comprising a strip of laminated metal dimensioned and bent so that when positioned upon uninsulated portions of the lead wires and pressed thereon, said lead wire portions are embraced in substantially parallel relation near

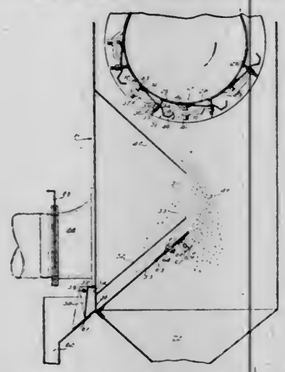
the bend in the strip, said laminated metal having a first inner layer adapted to be in contacting engagement with the wires and consisting essentially of metal taken from group consisting of lead and tin, and a second layer of metal exteriorly positioned with respect to said first layer and adapted to be separated from said wires by means of said first layer, said second layer of metal having a hardness and melting point not less than that of aluminum, said shunt being so constructed that when pressed upon the lead wires the second layer of metal is close enough thereto so that upon melting of the inner layer of metal due to the application of current to the wires, a quantity of molten metal of the inner layer sufficient to maintain the electrical connection across the wires will be retained in contact with the wires.

2,247,385

ABRASIVE SEPARATING AND CLEANING APPARATUS

Robert B. Huyett, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application July 1, 1938, Serial No. 217,053
11 Claims. (Cl. 209—135)



1. In an apparatus for cleaning abrasive of fines and other extraneous material, a housing; means for feeding a sheet-like stream of uncleaned abrasive downwardly in said housing; means for causing a current of air to flow across and through said stream in a direction substantially normal thereto, for separating fine particles of abrasive and other extraneous material from said abrasive as it passes downwardly in said housing; and a plurality of vertically spaced members, downwardly inclined in the direction of flow of the current of air, and disposed in said housing with their upper edges terminating in substantially the same vertical plane adjacent said stream of uncleaned abrasive for catching said fine particles separated from said stream; and means for collecting the fine particles separated from said stream by said members.

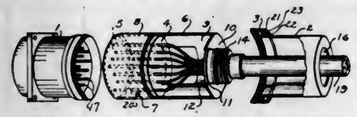
2,247,386

CABLE CONNECTOR

Arthur R. John, Dayton, Ohio

Application March 12, 1940, Serial No. 323,563
3 Claims. (Cl. 173—328)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a sealed cable connector of the type having a jack unit and a socket unit and means for sealingly connecting the units, one of the said units comprising: a housing having a cable-receiving opening therein, a connector plug, a connector-plug-positioning sleeve having a trough portion of greater length than said connector plug, a tubular connector-plug-receiving portion attached thereto at one end thereof and



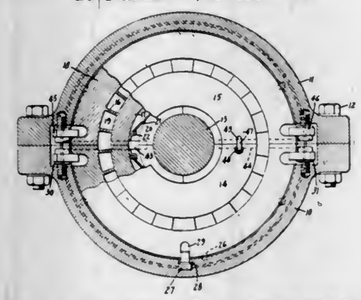
a radially slotted end portion attached to the other end thereof, a cable, a cable-receiving ferrule positioned in the slot of said end portion and received in said cable-receiving opening, and means for sealingly connecting said ferrule and cable to said housing.

2,247,387

ELASTIC FLUID TURBINE DIAPHRAGM SUPPORTING AND CENTERING ARRANGEMENT

Carl W. Johnson, Marblehead, and Walter R. Wadden, Swampscott, Mass., assignors to General Electric Company, a corporation of New York

Application January 25, 1940, Serial No. 315,548
10 Claims. (Cl. 253—78)



1. The combination of a substantially semicylindrical turbine casing half, a substantially semicylindrical diaphragm half disposed in the casing half, and a supporting and centering arrangement connecting the halves and comprising means positioning the diaphragm half so that one of its diameters coincides with a diameter of the casing half and other means circumferentially spaced from the first named means and secured to one of the halves and projecting into and engaging walls of recesses in the other half to support the diaphragm half on the casing half, said other means being adjustable to permit positioning of the diaphragm half with respect to another diameter of the casing half and upon adjustment to cause another diameter of the diaphragm half transverse to the first mentioned diameter to coincide with such other diameter of the casing half.

2,247,388

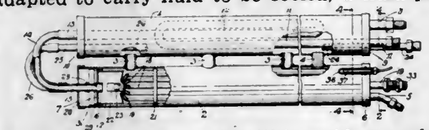
FLUID COOLING DEVICE

Herman K. Johnson and Carl V. La Rue, Grand Haven, Mich., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application December 12, 1938, Serial No. 245,125
8 Claims. (Cl. 62—141)

1. In combination in a cooling system, means

defining a primary cooling chamber and a secondary cooling chamber, and passage-forming means joining the two, a refrigerant inlet to said secondary chamber, a refrigerant outlet from said primary chamber, a fluid passage member extending through said primary chamber and adapted to carry fluid to be cooled, a fluid pas-



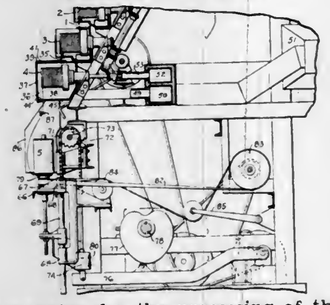
sage member positioned within said secondary chamber and in communication with said first mentioned fluid passage member, there being positioned within said second fluid passage a fluid spreader, said spreader being positioned along one side of said second fluid passage and shaped to direct fluid across said passage and away from the wall along which said spreader is positioned.

2,247,389

PROCESSING OF THREAD OR THE LIKE

Walter F. Knebusch, Dayton, and Alden H. Burkholder, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application February 1, 1936, Serial No. 61,956
Renewed March 29, 1940
9 Claims. (Cl. 18—8)



8. Apparatus for the processing of thread or the like comprising a first thread-storage, thread-advancing device on which the thread or the like is stored in a sufficient length so that over at least part of said thread-storage, thread-advancing device, on which part no processing liquid is applied to the thread or the like, processing liquid which has previously been applied to the thread or the like is permitted to drip therefrom; a second thread-storage, thread-advancing device on which thread-storage, thread-advancing device the thread or the like is dried; and, associated with said second thread-storage, thread-advancing device, means for introducing a twist into the thread or the like before the thread or the like leaves said thread-storage, thread-advancing device.

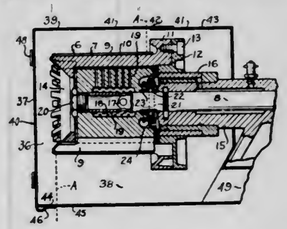
2,247,390

THREAD TREATING APPARATUS

Walter F. Knebusch, Rocky River, and Alden H. Burkholder, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Original application February 1, 1936, Serial No. 61,956. Divided and this application February 2, 1939, Serial No. 254,244
6 Claims. (Cl. 34—122)

2. Apparatus for treating thread comprising a cantilever thread-advancing thread store device which advances the thread lengthwise thereof in a plurality of spaced generally helical turns; a multi-sided enclosure confining said device including a housing having an opening exposing the unsupported end of the thread-advancing thread store device and a part of the thread-bearing periphery extending substantially the entire length of said thread-advancing thread



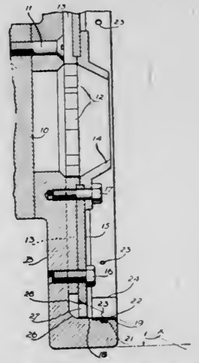
store device; a pivotally mounted movable closure forming at least two sides of the enclosure cooperating with said housing to enclose said thread store device substantially entirely, a slot through which the thread passes to said thread store device being disposed at the juncture of said closure and said housing; means whereby an inert gas is admitted to said housing; and means associated with said housing whereby said inert gas is removed from said housing.

2,247,391

ABRADING APPARATUS

Garrett B. Linderman, Jr., Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland

Application December 22, 1937, Serial No. 181,241
32 Claims. (Cl. 51—9)



21. In an abrading apparatus, a rotatable structure having a pair of generally annular surfaces facing toward the axis of the rotor and disposed in side-by-side adjacent relationship; means for depositing abrasive upon one of said surfaces during rotation of said structure; said one surface having a mean diameter which is substantially less than the mean diameter of said other surface, whereby abrasive deposited on the former will centrifugally feed in one general direction to the latter; means for controlling the flow of abrasive from said one surface to said other surface; and means for dislodging a portion of the abrasive accumulated on said other surface at a predetermined point in the rotation of said structure.

2,247,392

PROCESS OF MAKING SMOKELESS POWDER

Milton F. Lindsley, Jr., Kings Mills, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, a corporation of Delaware

No Drawing. Application January 25, 1934, Serial No. 708,316

4 Claims. (Cl. 52—22)

1. The process of making grains of powder suitable for use as propellant powder, said process comprising, suspending finely divided particles of nitrocellulose colloided with nitroglycerine in a body of water at a temperature above the melting point of an explosive which is solid at normal temperatures but which is a solvent for the nitrocellulose-nitroglycerine colloid when molten, suspending said explosive in molten condition in water and forming the explosive into globules in the water by agitation, admixing the suspensions and continuing said suspension whereby the globules of molten explosive attack and agglomerate the finely divided particles of nitrocellulose colloided with nitroglycerine and form small grains of powder, and chilling said suspension below the melting point of the explosive, maintaining the suspension by agitation all the while.

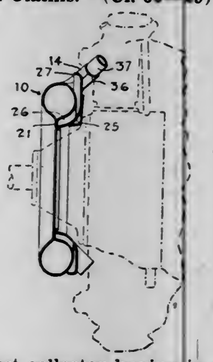
2,247,393

EXHAUST COLLECTOR

Roscoe I. Markey, East Orange, N. J., assignor to Pollak Manufacturing Company, Arlington, N. J., a corporation of New Jersey

Application October 10, 1939, Serial No. 298,769

4 Claims. (Cl. 60—29)



1. An exhaust collector having in combination a hollow annular member formed of a plurality of sections, means for forming an air space partly surrounding said hollow annular member, branch pipes and an outlet pipe formed integral with their respective sections, telescopic connections between said sections to permit of the expansion and contraction of said hollow annular member, and flanges on each of said sections, said flanges extending inwardly into the space defined by said hollow annular member and functioning as a sealing ring for said air space surrounding part of said annular member and a supporting ring for carrying said annular member.

2,247,394

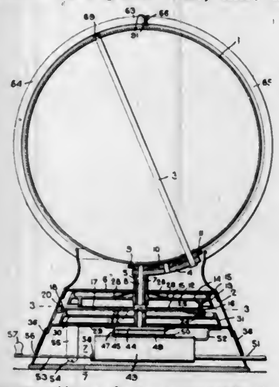
TERRESTRIAL GLOBE

George E. Mills, Brighton, Mass., assignor of one-half to William J. Brooks, Roslindale, Mass.

Application January 27, 1938, Serial No. 187,199

17 Claims. (Cl. 58—44)

1. A terrestrial globe comprising a base, a globe-supporting member carried thereby for rotation about a vertical axis, a globe mounted on said globe-supporting member with its polar axis inclined to the vertical axis, said globe being rotatable about said polar axis, time mechanism,



driving connections between said time mechanism and the globe for rotating the latter, and a manually controlled clutch independent and separate from the time mechanism for operatively connecting said time mechanism to or entirely disconnecting it from said driving connections.

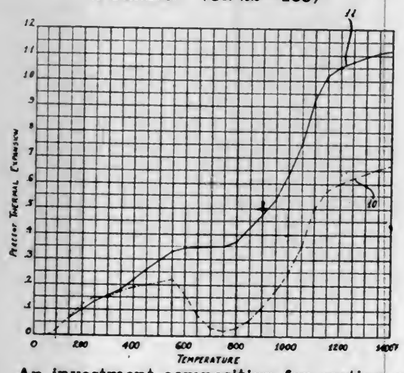
2,247,395

INVESTMENT

Robert Neiman, Louisville, Ky., assignor, by mesne assignments, to The Columbus Dental Manufacturing Company, Columbus, Ohio, a corporation of Ohio

Application February 7, 1936, Serial No. 62,801

2 Claims. (Cl. 22—188)



1. An investment composition for casting precious metals and their alloys, consisting principally of a siliceous refractory material and a calcium sulfate binder in such proportions as to give a dental investment composition and containing from .1 to 2.0 per cent strontium chloride.

2,247,396

ORNAMENTING MACHINE

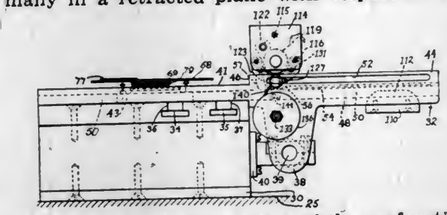
Charles E. Newton, Marlboro, Mass., assignor to Benjamin W. Freeman, Cincinnati, Ohio

Application March 22, 1938, Serial No. 197,447

46 Claims. (Cl. 101—287)

1. In a self-contained marking and perforating die structure having a substantially flat supporting surface effective to support the structure

in a stationary operative position in an ornamenting machine, the combination with a die block, and marking and perforating dies mounted on the die block for operation upon a work piece relatively movable with respect thereto, the marking edges of the marking die being normally in a retracted plane with respect to the



plane of the perforating edges of the perforating die, of means forming part of the die structure actuable to cause relative movement between the marking and perforating dies to decrease the spacing between the two planes during such relative movement between the work piece and the dies as initiates the marking and perforating of the work piece.

2,247,397

LOOSE-LEAF BINDER

Gustaf H. Oman, Whitestone, N. Y.

Application October 4, 1938, Serial No. 233,174

5 Claims. (Cl. 129—17)



2. In a loose-leaf binder, in combination, two members hingedly connected along adjacent edges, a slide mounted on one of said members, a spring tending to move the slide in one direction, a stop to prevent the slide from moving beyond a predetermined point in the opposite direction, an arm on the slide, a locking lug mounted on the arm, and a bracket at right-angles to the members and overlying the slide and having a locking slot therein mounted on the other hinged member, said slot being aligned with said lug in the closed position of the members, the locking lug having a biased edge and a straight edge for engaging the slot.

2,247,398

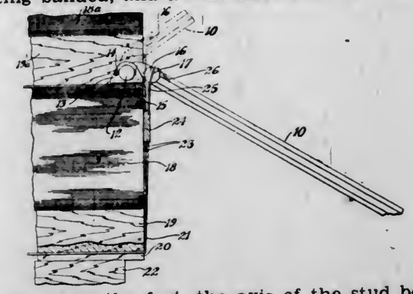
BANDING MACHINE

Walter Lee Owens, Chesterfield, Ind., assignor to Robert W. Shoemaker, Anderson, Ind.

Application March 25, 1940, Serial No. 325,782

6 Claims. (Cl. 254—79)

1. A banding machine for stretching a band around a bundle, said machine including a lever, a gripping foot pivotally mounted upon one side of the lever at one end thereof and having a single flat plane serrated surface for frictionally engaging only the band that encircles the bundle being banded, and a stud carried by the handle



adjacent to the foot, the axis of the stud being parallel to the axis of the pivot of the foot, there being a diametric slot through the stud for receiving one end of the band.

2,247,399

METHOD OF POLYMERIZING ROSIN AND PRODUCT MADE THEREBY

Robert C. Palmer and Carlisle H. Bibb, Pensacola, Fla., assignors to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware

No Drawing. Application September 28, 1938, Serial No. 232,078

21 Claims. (Cl. 260—97)

1. In the process of preparing a polymerized rosin, the step of heating at least a 50% solution of rosin to a temperature not over about 145° C. in a solvent chemically inert to zinc chloride and in the presence of zinc chloride under anhydrous conditions and maintaining such conditions throughout the entire heating step.

2,247,400

METHOD OF PREPARING A HIGH MELTING, STABLE ROSIN PRODUCT AND THE PRODUCT MADE THEREBY

Robert C. Palmer and Carlisle H. Bibb, Pensacola, Fla., assignors to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware

No Drawing. Application November 16, 1938, Serial No. 240,644

6 Claims. (Cl. 260—100)

5. A relatively high melting stable nuclearly hydrogenated polymerized rosin.

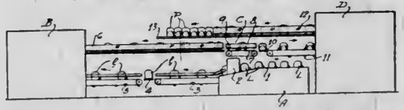
2,247,401

METHOD AND MEANS OF PACKAGING SLICED LOAVES

Gustav C. Papendick, University City, Mo.; Elizabeth Papendick, executrix of Gustav C. Papendick, deceased, assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri

Application April 24, 1939, Serial No. 269,809

7 Claims. (Cl. 93—2)



1. That method of packaging a baked bread loaf which comprises slicing the bread loaf, subdividing the sliced loaf into fractions, shifting the fractions into consecutive alignment, separately wrapping the consecutive fractions, shifting the wrapped fractions into end-to-end realignment in loaf formation, and subsequently wrapping the re-aligned fractions as a single unitary package.

2,247,402
ARALKYL PHENOL AND METHOD OF MAKING IT
Ralph P. Perkins and Fred Bryner, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 24, 1939, Serial No. 263,910
15 Claims. (Cl. 260—619)

1. The method of making an aralkyl phenol which comprises reacting a compound selected from the class consisting of 2-aryl-1-alkenes and 2-haloaryl-1-alkenes with a phenol having a hydrogen atom in one of the positions ortho and para to a hydroxyl group and selected from the class consisting of hydroxylated aromatic hydrocarbons and hydroxlated mono-halo-aromatic hydrocarbons in the presence of a hydrogen halide selected from the class consisting of hydrogen chloride and hydrogen bromide.

10. An aralkyl phenol corresponding to the general formula

$$C_6H_3(P)-C(CH_3)-R$$

wherein R is a lower alkyl radical, and P is a monohydroxy phenyl radical selected from the group consisting of ortho and para monohydroxy phenyl radicals which contain a substituent selected from the group consisting of halogen and lower alkyl radicals.

2,247,403
ARALKYL POLYNUCLEAR PHENOL
Ralph P. Perkins and Fred Bryner, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 24, 1939, Serial No. 263,911
11 Claims. (Cl. 260—619)

1. An aralkyl polynuclear phenol corresponding to the general formula

$$C_6H_3(X)-C(CH_3)-R$$

wherein X is a phenolic radical having a hydroxyl group in one of the positions ortho and para to the aralkyl radical and selected from the class consisting of hydroxylated polynuclear aryl and hydroxylated polynuclear mono-halo-aryl radicals, and R is a substituent selected from the class consisting of lower alkyl radicals.

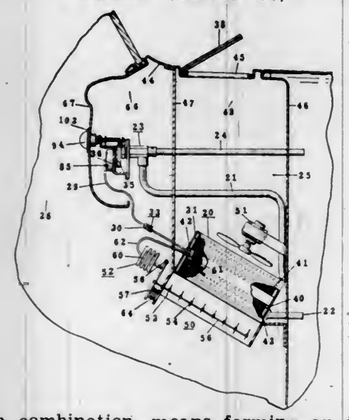
2,247,404
ARALKYL POLYHYDRIC PHENOL
Ralph P. Perkins and Fred Bryner, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 24, 1939, Serial No. 263,912
14 Claims. (Cl. 260—619)

1. An aralkyl polyhydric phenol corresponding to the general formula

$$C_6H_3(X)-C(CH_3)-R$$

wherein X is a phenolic radical selected from the class consisting of polyhydroxy aryl and polyhydroxy halo-aryl radicals of the benzene series, and R is a lower alkyl radical.

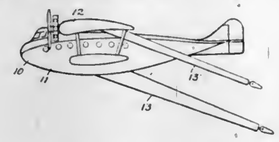
2,247,405
CONTROL APPARATUS
Eldon D. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application April 28, 1938, Serial No. 204,823
5 Claims. (Cl. 236—37)



1. In combination, means forming an inclosure for air; a heat interchanger associated with the inclosure for affecting the temperature of the air in the inclosure; means operable for attaining a desired temperature of air within the inclosure and operable after said desired temperature is attained, for preventing the temperature of the air emanating from the heat interchanger from varying beyond a certain temperature, said last means including a controller for changing the rate of heat exchange between the heat interchanger and the air, and a pressure responsive device for regulating the controller; said pressure responsive device having condensing means connected therewith, said device and condensing means containing a heat responsive fluid, said fluid being partially liquid and partially vapor when the heat exchange system is operating normally, said condensing means having a plurality of portions spaced from one another, the relative amounts of liquid and its vapor being so proportioned that substantially all of said liquid is adapted to be contained in one or the other of said condenser portions whereby the controller is responsive substantially solely to the temperature of the colder condenser portion, one of said condenser portions being disposed to be affected by the temperature of the air in the inclosure remote from the heat interchanger and the other condenser portion being disposed to be more directly affected by the temperature of the air subjected to the heat interchanger.

2,247,406
AIRCRAFT FUEL DISCHARGE
Julian E. Raymond, Washington, D. C.
Application June 26, 1939, Serial No. 281,198
6 Claims. (Cl. 244—135)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

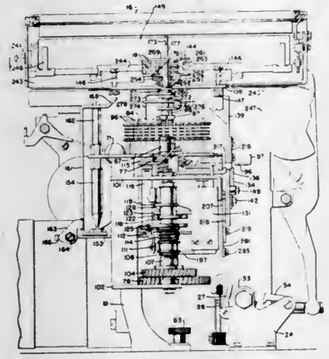
1. In combination with an airplane having a fuel tank, the latter including a fuel outlet, and a valve controlling said outlet; of means for discharging the fuel from the tank during flight, said means comprising a normally collapsed flexible fuel discharge tube carried by the airplane, means for releasing and retracting the tube during flight, means for causing said tube to assume a circumferentially and longitudinally extended fuel discharging position during flight, additional means in connection with said releasing and retracting means coacting with said valve, whereby movement of the tube to extended position opens said valve, and restoration of said tube to its normally collapsed condition causes said valve to close.



2,247,407
MAKING PURE RUBBER AND DERIVATIVES THEREOF
James Wallace Raynolds, Pittsburgh, Pa., assignor to The Raolin Corporation, Charleston, W. Va., a corporation of West Virginia
No Drawing. Application April 6, 1938, Serial No. 200,536
4 Claims. (Cl. 260—772)

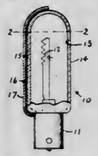
1. A method of forming pure rubber chloride which comprises dissolving rubber in carbon tetrachloride, dehydrating the solution, agitating the hot dehydrated solution with dry, finely divided, inert adsorbent material which is substantially non-reactive with constituents of the solution and which collects haze-forming impurities therein, separating the liquid from the adsorbent and impurities collected thereby, chlorinating the rubber in the thus purified solution and eliminating the solvent.

2,247,408
PRINTING TELEGRAPH APPARATUS
Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application March 3, 1938, Serial No. 193,642
25 Claims. (Cl. 178—29)



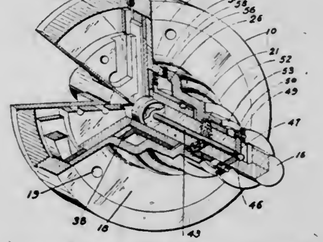
1. In a printing telegraph apparatus, a type wheel, means for rotating said type wheel, means for arresting said type wheel in selected positions, signal responsive means for controlling said arresting means, means for timing the control of said signal responsive means over said arresting means, means for printing from said type wheel, means for controlling said printing means, and means actuated by said timing means for setting in operation said controlling means.

2,247,409
ULTRAVIOLET INSTRUMENT LAMP
John M. Roper, Washington, D. C.
Application October 9, 1940, Serial No. 360,439
2 Claims. (Cl. 176—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. An incandescent ultraviolet lamp comprising an incandescent filament, a lamp bulb of ultraviolet transmitting and visible light absorbing properties, said bulb being of a thickness to substantially absorb the greater portion of but not all of the visible light from the incandescent filament, and a reflecting surface externally coated over only a portion of said lamp bulb to reflect the ultraviolet light and direct the remaining light in a desired direction only through the remaining uncoated portion, whereby the reflected light passes through three thicknesses of ultraviolet transmitting bulb to absorb substantially all of the visible light thereof and the direct light passes through a single thickness of the bulb to include a small portion of visible light therewith.

2,247,410
HYDRAULIC COUPLING DEVICE
David E. Ross, La Fayette, Ind.
Application July 29, 1938, Serial No. 221,893
9 Claims. (Cl. 192—58)

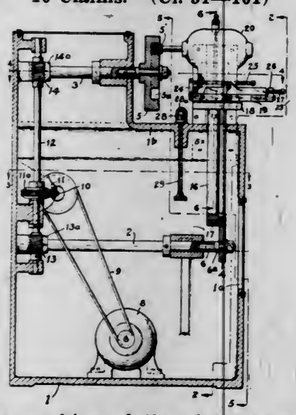


1. A hydraulic coupling comprising a casing having a contoured chamber, a rotor mounted in said chamber and maintained in a moving fluid-tight contact with the wall of said chamber at a plurality of points to provide a plurality of separate substantially fluid-tight pockets between the walls of said chamber and the surface of said rotor, a slide member carried by said rotor and having its opposed ends extending through said pockets and maintained in moving fluid-tight contact with the walls of said chamber, a hydraulic circuit for circulating a hydraulic fluid through said pockets and comprising a feeding duct disposed in said rotor and communicating with an inlet port on the periphery of said rotor adjacent one side of said slide, a return duct disposed in said rotor and communicating with a discharge port on the periphery of said rotor adjacent the opposite side of said slide, and a control valve to regulate the flow of the hydraulic fluid through said circuit whereby the volume of hydraulic fluid in said pockets on opposed sides of said slide is varied to effect control of the movement of said rotor in said chamber.

2,247,411
CRESOL-HYDROCARBON-FORMALDEHYDE CONDENSATION PRODUCT
Fritz Rostler, Vilma Mehner, Vienna, Germany, and Leopold Bornstein, Krakow, Poland
No Drawing. Application August 31, 1938, Serial No. 227,862
7 Claims. (Cl. 260—19)

1. A heat-hardening plastic composition comprising the condensation product of a mixture containing, as essential ingredients, formaldehyde, a cresol condensable therewith to form a heat-hardening resin, and unsaturated hydrocarbons capable of condensation with said cresol and formaldehyde and having a composition of approximately 90 per cent carbon and 10 per cent hydrogen, said hydrocarbons being derived from waste products of mineral oil refining and having characteristics substantially identical with those of the products of like composition obtained by neutralizing petroleum acid sludge and fractionating the organic constituents thereof under vacuum to eliminate at least the portions boiling outside of the range from 160° to 360° C. at 12 mm. Hg.

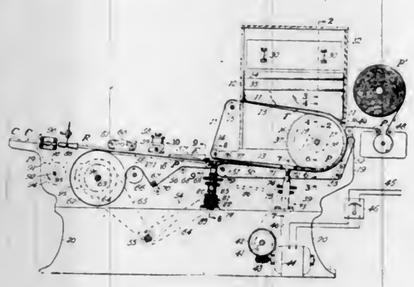
2,247,412
MACHINE FOR FINISHING FORMS
Chester J. Rybicky, Cleveland, Ohio
Application March 25, 1940, Serial No. 325,779
10 Claims. (Cl. 51—101)



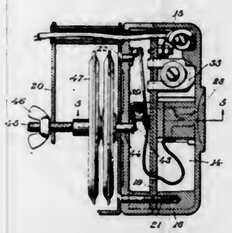
1. In a machine of the class described, the combination with a support, of pairs of bearings fixedly mounted on said support, a shaft mounted in each pair of bearings, means for driving said shafts at predetermined speeds, a master form mounted on one of said shafts, means for securing to the other shaft a work piece having a wall to be finished, guides on said support extending in a direction at right angles to one of said shafts, and a member reciprocatable in said guides and having a device arranged to engage said master form and be reciprocated thereby and a driven tool for engaging with the wall of the work piece to be finished, said device and tool being mounted on said reciprocatable member to move rectilineally in a plane cutting the axes of said shafts.

2,247,413
CIGARETTE MACHINE
Rupert E. Rundell, Rockville Centre, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application July 2, 1937, Serial No. 151,683
10 Claims. (Cl. 131—66)

1. The combination with a rod former acting to draw a cigarette paper web from a roll and fold it about filler tobacco, of a set of traveling members coacting to form a traveling channel receiving the stream of filler tobacco and preforming and delivering it to said rod former, and means for feeding a stream of filler tobacco into said channel at a linear speed greater than that of said members, said means including a circumferentially grooved wheel traveling at a peripheral speed greater than that of the paper web and a conveyor belt driven by said wheel and arranged to receive a shower of filler tobacco and convey it through said groove to partially pre-form the same, and mechanism for guiding the cigarette paper over and in contact with the tobacco in said groove to confine the same therein whereby it will be compacted to uniformity and pre-formed.



2,247,414
AUTOMATIC THERMOSTATIC SWITCH
William V. Stewart, Quincy, Ill.
Application August 23, 1939, Serial No. 291,582
3 Claims. (Cl. 200—140)

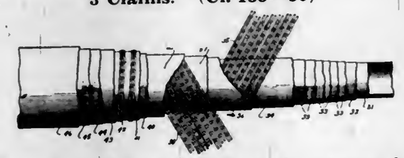


1. A switch comprising a support, a fixed contact carried by the support, a permanent magnet fixedly secured to said support in close proximity to the contact, a rigid contact arm pivoted intermediate its ends to the support and with one end normally attracted by said magnet to engage the fixed contact, a spring clip carried by the end of the contact arm remote from the fixed contact, a pin slidably carried by the support and engaging the said spring clip, a thermostatic wafer mounted on the support in a manner to engage the pin and to slidably actuate the same to flex the said spring clip to a critical point sufficient to overcome the magnetic attraction of the magnet and to snap the contact arm substantially instantaneously away from the said magnet, and an adjustable means associated with the wafer to space the same a requisite distance from the said pin.

2,247,415
ART OF COMBUSTION OF CARBONACEOUS FUELS AND FUEL PRODUCTS USED THEREIN
Albert L. Stillman, Plainfield, N. J.
No Drawing. Application March 6, 1937, Serial No. 129,516
12 Claims. (Cl. 44—4)

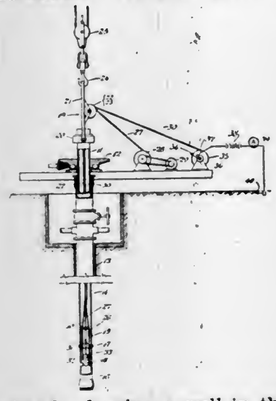
1. A fuel material comprising a solid carbonaceous fuel having an ash high in silica and alumina and with a low total content of lime and alkali and containing sulphur in pyritic form, and an admixture consisting of basic phosphate and sulphate matters, the weight of the admixture being at least equal to the weight of the pyritic sulphur present and between ½ percent and 2 percent of the weight of the fuel and effective to fix at least the major part of the sulphur as sulphate and to avoid the presence of iron sulphide in the ash produced.

2,247,416
REINFORCED HOSE
David P. Sands, Herman B. Hendershot, and Frank J. Hinderliter, Tulsa, Okla.
Application August 14, 1939, Serial No. 289,950
3 Claims. (Cl. 138—56)



1. In a reinforced flexible high pressure hose made up of multiple plies of elastic material, a plurality of layers of chain helically wound in said plies, each layer comprising a plurality of parallel individual and separated strands of chain and the chain of one layer being wound in said plies in an opposite direction to that of another layer whereby the links of one layer overlap at an angle the links thereunder of the other layer, said strands of chain being adapted to freely separate or approach each other slightly in the length of the hose as the hose is stressed and flexed.

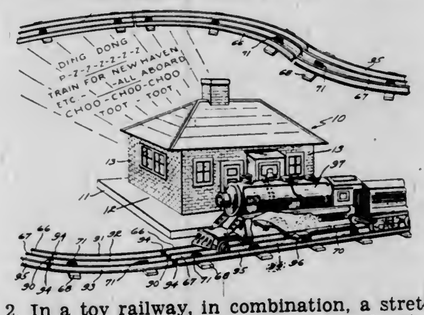
2,247,417
ELECTRICAL LOGGING
Daniel Silverman and Robert W. Stuart, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application March 6, 1940, Serial No. 322,601
15 Claims. (Cl. 175—182)



1. Apparatus for logging a well in the course of the drilling thereof comprising at least one insulated electrode associated with the drill stem used in drilling said well, a contactor adapted to be inserted into and lowered through said drill stem to a point in the vicinity of said electrode, and means for connecting and disconnecting said contactor from said electrode at will from the top of said well.

14. A method of logging a well comprising establishing at least one insulated electrode associated with the exterior of a drill stem, applying a potential difference between said electrode and a second electrode, and varying the level of said drill stem without substantial rotation thereof while making an indication of at least one electrical property of the formations traversed by said first-mentioned electrode during said variation in level.

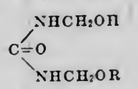
2,247,418
TOY RAILWAY WITH SOUND EFFECTS
William R. Smith, Philadelphia, Pa.
Application April 21, 1939, Serial No. 269,185
11 Claims. (Cl. 246—31)



2. In a toy railway, in combination, a stretch of toy track, a stationary track-side depot, a power impelled toy locomotive fashioned as a model of a real steam locomotive and adapted to travel toward said depot on said track, means to deprive said toy locomotive of impelling power as it approaches said depot thereby to cause the toy locomotive to slow down and come to a stop in proximity to said depot, means operatively associated with said power depriving means to produce automatically while said toy locomotive is arriving at said depot a program of sequential differing sounds simulating differing sounds produced by a real steam locomotive in coming to a stop at a depot, said sound producing means being substantially concealed within and thereby camouflaged by said toy depot whereby said sounds deceptively seem to be made by said toy locomotive.

2,247,419
MONOETHERS OF DIMETHYLOL UREA AND PROCESS FOR MAKING SAME
Ben E. Sorenson, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1938, Serial No. 233,509
7 Claims. (Cl. 260—553)

1. A monoether of dimethylol urea having the general formula



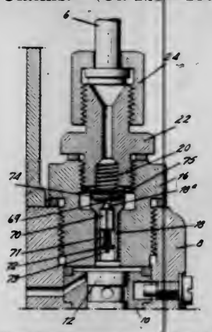
where R represents a univalent hydrocarbon radical joined to the oxygen atom by an acyclic carbon atom.

2,247,420
MEANS FOR JOINING PIPE
Evander W. Sylvester, United States Navy
Application December 15, 1937, Serial No. 179,844
4 Claims. (Cl. 285—114)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Means for joining a pipe to a metal object comprising an inner sleeve member fitted with a tightly gripping fit over the end of said pipe, an outer sleeve extending from said object and surrounding a portion of said inner sleeve, said outer sleeve being secured to said inner sleeve by a ring-like seal of metal applied in the molten state, the location of said seal with respect to said inner sleeve and the dimensions of said inner sleeve being so selected as to dissipate the heat due to the application of said metal in the molten state without injury to the material of said pipe end.

2,247,421
PRESSURE REGULATOR FOR FUEL INJECTION SYSTEMS FOR INTERNAL COMBUSTION ENGINES
Warner T. Tabb, Brooklyn, N. Y., and Everett M. Purdy, New Canaan, Conn., assignors to Eisemann Magneto Corporation, New York, N. Y., a corporation of New York
Application June 18, 1938, Serial No. 214,556
13 Claims. (Cl. 123—139)

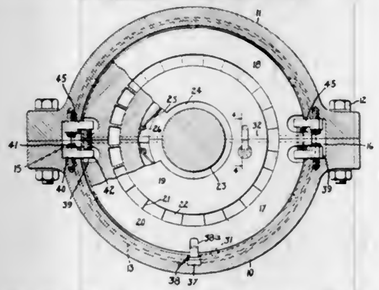


1. In fuel injection equipment for internal combustion engines, a nozzle having a discharge orifice, pump means for delivering fuel to said nozzle orifice, means connecting said pump and nozzle, valve means for preventing back flow of fuel from said nozzle to said pump, a second valve means controlled by the difference in the pressures on opposite sides of said first valve for permitting back flow from said nozzle and a plate having a fuel passage therein restricting the flow permitted by said second valve.

2,247,422
RESINOUS CONDENSATION PRODUCTS AND THE PRODUCTION THEREOF
Harold James Tattersall, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 1, 1938, Serial No. 211,295. In Great Britain January 22, 1937
1 Claim. (Cl. 260—70)

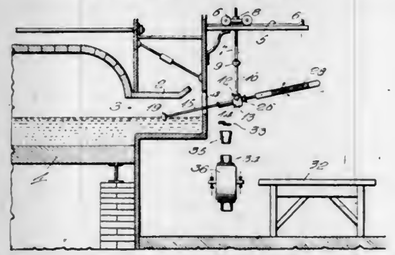
A method for preparing synthetic resins which comprises reacting with heat treatment formaldehyde and the reaction mixture obtained by heating dicarboxylic acid and a urea in substantially equimolecular proportions with monohydric alcohol in amount of not less than about 4 molecular proportions of the alcohol for each molecular proportion of the urea and dicarboxylic acid, said monohydric alcohol being one in which its esterifying group is a substituent selected from the class consisting of alkyl, alkenyl, aralkyl, aryl and substituted derivatives thereof unreactive with formaldehyde and free from groups of acidic or basic nature.

2,247,423
ELASTIC FLUID TURBINE DIAPHRAGM SUPPORTING AND CENTERING ARRANGEMENT
Carroll J. Webster, Jr., Beverly, Mass., assignor to General Electric Company, a corporation of New York
Application January 25, 1940, Serial No. 315,547
4 Claims. (Cl. 253—78)



1. Elastic fluid turbine diaphragm supporting and centering arrangement including a turbine casing comprising upper and lower halves flanged together, a diaphragm member disposed within the casing, and means for normally supporting and centering the diaphragm member on the casing after assembly therewith, said means comprising a lug member secured to the casing means adjustably secured to one of the members and normally engaging the other member, and a single dowel pin between the casing and the diaphragm member, and circumferentially spaced about 90 angular degrees from the lug member.

2,247,424
GLASS GATHERING DEVICE
Josiah H. Williams, Baltimore, Md.
Application July 20, 1937, Serial No. 154,662
20 Claims. (Cl. 49—62)



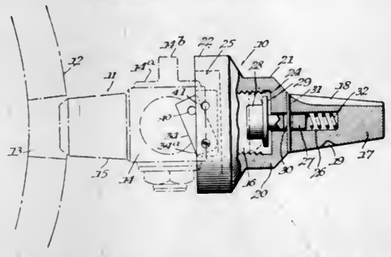
18. In combination, a glass melting furnace having a gathering opening in a side thereof, supporting means at said side of the furnace, and a glass gathering tool comprising a transversely extending frame, a plurality of shafts journaled

for axial rotation and oscillation in the frame, punties operated by the shafts, spaced gears on the shafts, a motion transmitting means connecting the gears and forming therewith an indirect gearing for rotating the punties in the same direction in unison, means at each end of said frame mounting the tool on the supporting means for travel toward and from the furnace and for upward and downward tilting motions on a horizontal transverse axis while supporting the tool against tilting motions on an axis longitudinally of the tool, and a rotatable pilot handle operatively connected to the frame and gearing, whereby the frame and punties may be moved toward and from a furnace and tilted upwardly and downwardly on the supporting means and whereby the punties may be rotated in the same direction in unison.

2,247,425
CORNED BEEF
Beverly E. Williams, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 23, 1939, Serial No. 300,797
2 Claims. (Cl. 99—159)

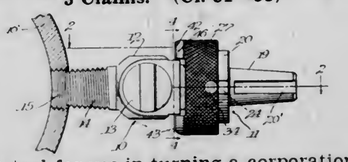
2. The method of preparing corned beef which comprises applying to a beef cut a wrapper of pork caul fat, injecting a curing agent into the wrapped beef and subjecting the product to curing by submerging in a curing pickle.

2,247,426
TOOL FOR INSERTING OR REMOVING CORPORATION STOPS
Edwin W. Wilson, Tampa, Fla., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application September 13, 1937, Serial No. 163,674
9 Claims. (Cl. 81—53)



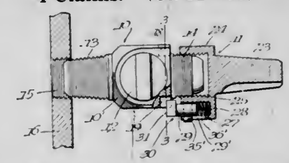
1. A tool for use in turning corporation stops, said stops including a body and threaded nipples projecting from opposite ends of said body, said body including a side portion adjacent one of said nipples faced oppositely to the threading direction of the latter, said tool comprising a shank portion and a head portion at one end of the shank portion having a threaded socket therein coaxial with said shank portion and engageable with said one of said nipples, and a retractible abutment projectable in the axial direction of the tool beyond the head portion in the opposite direction from said shank portion; said abutment being maintainable in retracted relation so that its leading edge will clear said side portion as the socket is threaded on said one of said nipples and being then projectable so that its leading edge will firmly engage said side portion as threading of the socket on said one of said nipples continues and prior to such full reception of said one of said nipples in said socket as would cause jamming, whereby to positively transmit rotation of the tool to the stop in the inserting direction of the latter; said abutment due to its retractability riding over any body portion encountered by it upon reverse rotation of the tool relative to the stop so that the tool is readily removable from the stop.

2,247,427
CORPORATION STOP AND TOOL
Frank H. Mueller, Walter J. Bowan, and Elmer H. Fawley, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application October 15, 1938, Serial No. 235,246
5 Claims. (Cl. 81—53)



1. A tool for use in turning a corporation stop, said stop including a body and threaded nipples projecting from opposite ends of said body, said body having a squared portion at the base of one of said nipples, said tool comprising a shank portion and a head portion at one end of the shank portion having a threaded socket therein coaxial with said shank portion and engageable with said one of said nipples, a member embracing said head portion and reciprocable relative thereto on the axis of said shank portion between limit positions, means preventing rotation of said head portion and member relative to each other, and an abutment projecting from said member in the opposite direction from said shank portion and beyond said head portion when said member is at its limit of reciprocation remote from said shank portion, said abutment being engageable with a face of said squared portion to transmit rotation of the tool to the stop in one direction while said one of said nipples is less than fully engaged in said socket, said abutment having a cam surface engaging the edge of said face upon reverse rotation of said tool relative to said stop whereby to free the abutment and permit continued reverse rotation of the tool.

2,247,428
CORPORATION STOP AND TOOL
Walter J. Bowan, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application October 15, 1938, Serial No. 235,247
4 Claims. (Cl. 81—53)



1. A tool for use in turning corporation stops, said stops including a body and threaded nipples projecting from opposite ends of said body, said body including a side portion adjacent one of said nipples faced oppositely to the threading direction of the latter, said tool comprising a shank portion and a head portion at one end of the shank portion having a threaded socket therein coaxial with said shank portion and engageable with said one of said nipples, and a retractible abutment projectable in the axial direction of the

tool beyond the head portion in the opposite direction from said shank portion, said abutment being constituted by a plunger reciprocable in an axially extending guideway in said head portion radially outwardly of said socket; said abutment being maintainable in retracted relation so that its leading edge will clear said side portion as the socket is threaded on said one of said nipples and being then projectable so that its leading edge will firmly engage said side portion as threading of the socket on said one of said nipples continues and prior to such full reception of said one of said nipples in said socket as would cause jamming, whereby to positively transmit rotation of the tool to the stop in the inserting direction of the latter; said abutment due to its retractibility riding over any body portion encountered by it upon reverse rotation of the tool relative to the stop so that the tool is readily removable from the stop.

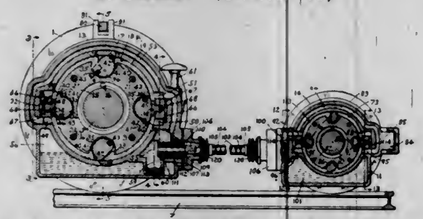
2,247,429

LOCOMOTIVE BOOSTER

Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application October 31, 1939, Serial No. 302,155

18 Claims. (Cl. 105—73)



1. An apparatus for increasing the tractive effort of a locomotive having a power operated driver wheel and having a trailer wheel, said apparatus comprising a power producing means operable upon rotation of said driver wheel to effect a positive displacement of liquid in a quantity which varies with the speed of rotation of said driving wheel, motor means associated with said trailer wheel operable by liquid under pressure for driving said trailer wheel, and means connecting said power and motor means operable to convey the liquid displaced by said power means to said motor means for effecting operation of said motor means to drive said trailer wheel.

2,247,430

REFINING OF FATTY OILS

Arthur U. Ayres, Chestnut Hill, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application December 27, 1938, Serial No. 247,833

12 Claims. (Cl. 260—425)

1. The process of refining fatty oils which comprises mixing an alkali with the oil to be refined to neutralize the free fatty acid and form soap stock, stratifying said soap stock from said oil, separating at least a part of said soap stock from said oil, mixing with water said oil from which at least a part of said soap stock has been so separated, mixing with said water and oil a substantial quantity of previously stratified soap stock formed by said neutralization treatment and lying adjacent the oil stratum, and thereafter separating from the oil by centrifugal force soap stock and the water which has been admixed with said oil and soap stock.

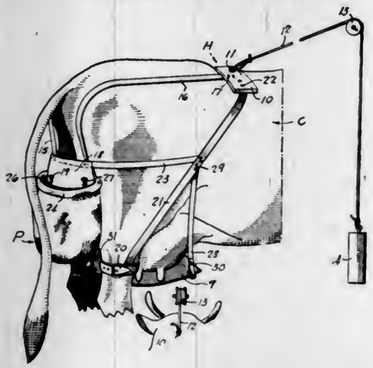
2,247,431

SANITARY ATTACHMENT FOR DAIRY COWS

Albert G. Behrens, Camden, N. J.

Application November 30, 1940, Serial No. 367,985

9 Claims. (Cl. 119—95)



1. A sanitary device for dairy cows comprising a harness adapted to be fitted over the rear portion of a cow, supplemental means of support for said harness whereby said harness is supported extraneously of said cow, and a pouch carried by said harness in position to receive excrement from said cow.

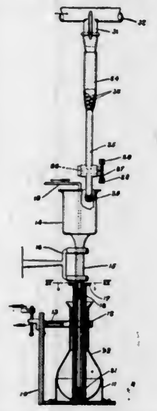
2,247,432

MANUFACTURE OF REFLECTING LAMPS

Clarence Birdseye and Pincus Deren, Gloucester, Mass., assignors, by mesne assignments, to Birdseye Electric Corporation, Gloucester, Mass., a corporation of Massachusetts

Application December 2, 1937, Serial No. 177,780

14 Claims. (Cl. 41—9)



1. Apparatus for removing metallic coating from limited areas within lamp bulbs, comprising means for supporting a plurality of metal coated bulbs at substantially the same level, a reservoir for solvent solution, and means for introducing individually measured charges of solvent solution from said reservoir as a common source of supply into all of said bulbs for dissolving the metal coating up to a predetermined level and for removing the charges after the coating has been dissolved up to the level of the charges.

2,247,433

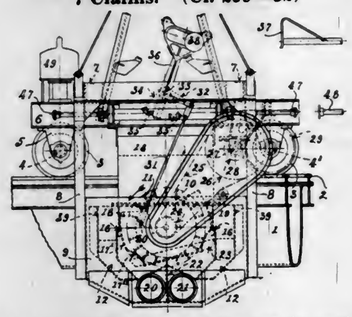
TRAVERSIBLE CARRIAGE USED IN RECTANGULAR SPRINKLER INSTALLATIONS FOR TREATING SEWAGE

James Frankland Bolton, Heywood, England

Application January 18, 1940, Serial No. 314,492

In Great Britain January 26, 1939

7 Claims. (Cl. 299—52)



1. A traversible carriage for use in rectangular sprinkler installations in the treatment of sewage, and having a reversible water wheel, and distinguished in that the water wheel chamber from which the water is delivered has combined therewith weir boxes disposed one on either side of the water wheel and communicating permanently with a syphon which draws water from a feed trough, said chamber having an undercasing structure partly surrounding the water wheel and adjacent the vanes thereof, said undercasing structure having outlet provision at the base, and also having alternatively operative weirs, the said undercasing structure co-operating with the water wheel to permit alternate functioning of the alternatively operative weirs, and reversing mechanism for controlling the latter.

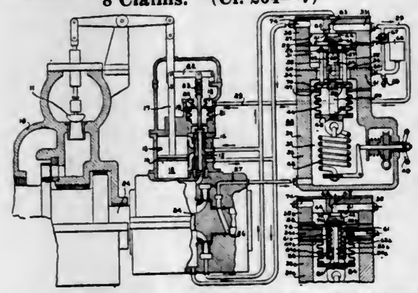
2,247,434

GOVERNOR APPARATUS

Ozro Newton Bryant, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 28, 1939, Serial No. 281,607

8 Claims. (Cl. 264—7)



1. In a governing system, pressure-responsive means; means providing a force which varies in response to change in speed; means for transforming changes in said force into changes of fluid pressure and for applying the latter to the pressure-responsive means; said transforming means including means providing an enclosed space in communication with the pressure-responsive means and having an escape port whose exit end is bounded circumferentially by a seat extending radially from the latter, means for maintaining fluid under pressure in said space, and a member arranged in overlapping relation with respect to said seat to cover the exit end of the port and to cooperate with the seat to define an escape orifice; and means for applying said force to said member in a direction opposed to that of force of space pressure applied thereto.

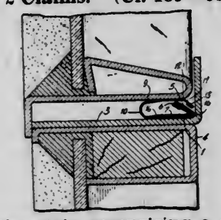
2,247,435

WEATHER STRIP

George Cerny, St. Louis, Mo., assignor to Pauly Jail Building Company, St. Louis, Mo., a corporation of Missouri

Application March 25, 1940, Serial No. 325,749

2 Claims. (Cl. 189—65)



1. A weatherstrip comprising a metallic holding member adapted to be welded to a support and having a resilient arm diverging from one edge thereof and separated therefrom by an acute angle and provided with a flange along the edge thereof extending toward said member; a resilient metallic strip comprising a flat portion approximately equal to the width of and seated against said member, a portion extending angularly from one edge thereof and seated against the inner surface of said arm and having its edge engaging and held from displacement by said flange, a curved portion in connection with said strip laterally beyond the edges of said member and said arm, and a curved arm integrally united with said last named portion substantially covering said first named arm and separated therefrom by a space leaving said last named arm free to be flexed toward said first named arm by pressure of the adjacent edge of a window sash or door.

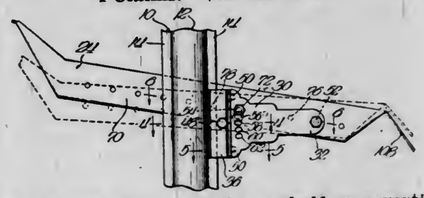
2,247,436

DISPLAY STAND

Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa

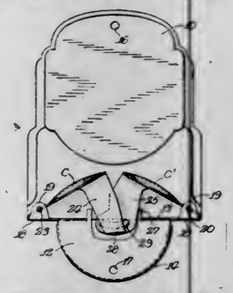
Application July 3, 1939, Serial No. 282,605

4 Claims. (Cl. 248—245)



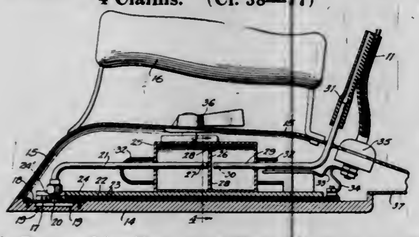
4. In means for mounting a shelf on a vertical support member, a bracket having one end engageable with the support member, a clamp plate adapted to retain said bracket in engagement with said support member, an opening in said bracket, tie means extending therethrough for connection with a shelf, and a plurality of perforations in said bracket, said perforations being disposed along the arc of a circle having said opening as a center.

2,247,437
TOWEL HOLDER
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application October 16, 1939, Serial No. 299,741
6 Claims. (Cl. 24—248)



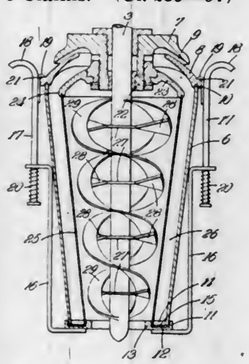
1. A holder for towels and the like comprising a support, a pair of clutch members pivoted thereto with their pivots spaced from each other and the free ends of the clutch members engageable with each other between the pivots at a point spaced above a line connecting them, and means to synchronize the pivotal movement of said clutch members, said means comprising downward projections from the edges of said clutch members adjacent said support, coacting projection and slot means providing coaction between said downward projections, said support having a guard portion covering said downward projections and said projection and slot means.

2,247,438
ELECTRIC SADIRON
Clyde B. Gorton, Chicago, Ill., assignor to Super Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application July 13, 1940, Serial No. 345,269
4 Claims. (Cl. 38—77)



4. In combination, a sadiron having a relatively thin sole plate, a body supported on said sole plate, an electrical element for heating said sole plate disposed thereupon within said body and covering substantially the complete upper surface of said sole plate, a steam generator removed from said sadiron, means for conducting the steam from said generator into the body for extravasation through the sole plate of said sadiron, means for superheating the steam at a plurality of points while passing through the sadiron prior to extravasation therefrom including means within the body on one side of the heating element and means within the sole plate on the opposite side of said heating element, said last mentioned means comprising a chamber formed within the upper surface of the sole plate at the apex thereof in close thermal proximity with said heating element, a plate member covering said chamber and being disposed flush with the upper face of said sole plate, a conduit connected to said cover plate member and leading from the superheating means within the body of said sadiron and extending through the heating element, said heating element extending over said cover member for heating the chamber within the sole plate, said sole plate being provided with a plurality of steam ports leading out from said chamber through which the superheated steam is adapted to be extravasated.

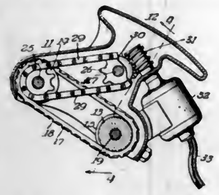
2,247,439
EMULSIFYING APPARATUS
David Marc Andrew Graham Hawes, deceased, late of Wimbledon, England, by Florence Frances Hawes, executrix, Wimbledon, England, assignor to Joe Lowe Food Products Company Limited, London, England, a British company
Application October 27, 1938, Serial No. 237,215
In Great Britain October 30, 1937
5 Claims. (Cl. 259—97)



1. In a portable emulsifying apparatus of the character described, in combination, a driving mechanism, a driving shaft depending therefrom, and an emulsifying chamber mounted adjacent the lower end of said driving shaft, said emulsifying chamber being divided into a plurality of concentric sections by a perforated partition, said chamber having an axial opening in the bottom thereof connected only with said inner section, continuous helical means sinuously mounted on the end of said driving shaft extending within said inner section for agitating and elevating the liquid material therein and forcing it through said partition into the outer section, the space between said helical means and said driving shaft increasing upwardly of the driving shaft and helical means, said outer section having a plurality of circumferential discharge openings adjacent its top for the escape of the liquid material forced therein by said helical means.

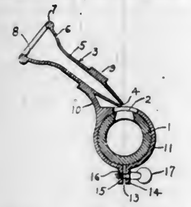
2,247,440
SCALP MASSAGING DEVICE
Martin Edward Hempel, Berwyn, Ill.
Application August 3, 1938, Serial No. 222,763
6 Claims. (Cl. 128—63)

1. In a scalp massaging device, the combination of a portable housing provided on the top thereof with a grip whereby it may be manually manipulated over the scalp, a pair of rolls mounted in the housing, a series of relatively narrow transversely aligned endless bands of rubber provided with massaging elements on their outer faces, having their lower reaches free to flex longitudinally, the bands being sufficiently flexible to permit said reaches of the bands to yield longitudinally and independently of one another so they will conform to the con-



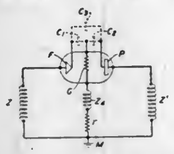
vexity of, as the device is moved over and pressed against, the scalp, and power-operated means carried by the housing for continuously driving one of the rolls in one direction.

2,247,441
WIND INSTRUMENT MOUTHPIECE
Aaron S. Hulsaver, Brooklyn, N. Y.
Application September 10, 1940, Serial No. 356,125
5 Claims. (Cl. 84—383)



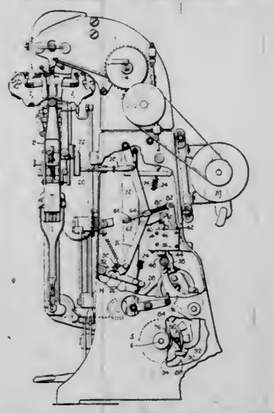
1. A mouthpiece of the character described comprising a shank with a band integral thereof, adapted to fit over a musical instrument, said shank having a cup portion provided with a rounded rim extending from the shank portion, a flat shoulder under the inner periphery of the rounded rim and a tone chamber in said cup portion connected with a throat of circular cross section at the outlet of the said tone chamber and extending through the said shank and terminating in a narrow flat outlet.

2,247,442
NEUTRALIZING ARRANGEMENT FOR AMPLIFIERS
Emile Labin, Paris, France, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 2, 1940, Serial No. 316,932
In France February 14, 1939
7 Claims. (Cl. 179—171)



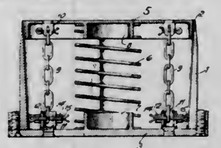
2. In combination, a space discharge tube having an anode, a cathode and a grid, inherent capacitances between pairs of said electrodes, a circuit connected between ground and one of said electrodes, a second circuit connected between ground an a second of said electrodes, and an inductance connected between ground and the third electrode, said inductance being so proportioned with respect to said inherent capacitances as to substantially prevent reaction at a given operating frequency between the first two circuits above mentioned.

2,247,443
MACHINE FOR USE IN THE MANUFACTURE OF SHOES
Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 5, 1940, Serial No. 355,431
7 Claims. (Cl. 12—4)



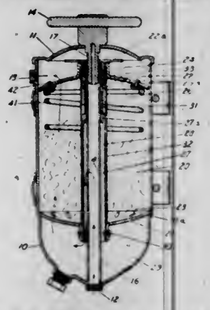
1. A machine for use in the manufacture of shoes having, in combination, devices for performing an operation progressively along the bottom margin of a shoe, an operating cam shaft and connections for actuating said devices, a shoe supporting jack, means including a spring exerting an upward pressure on the jack to force the shoe towards said devices, a toggle connected to the spring and arranged to be flexed by the up and down movements of the jack, a pattern cam acting at the completion of the operation on the shoe to straighten the toggle and thereby render the spring inoperative and lock the spring out of operation, and a dash pot connected to the toggle arranged to resist the movement of the toggle as it nears straightened position.

2,247,444
DIE
Carl F. Lindholm, St. Louis, Mo., assignor to Independent Die and Supply Company, St. Louis, Mo., a corporation of Missouri
Application November 30, 1940, Serial No. 367,893
4 Claims. (Cl. 164—33)



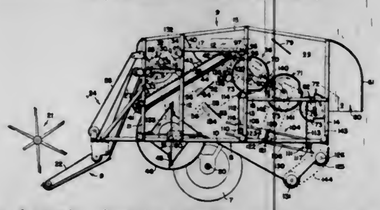
4. A die having a cutting edge and provided with a stripper, means for moving said stripper into stripping position, a flexible retainer for said stripper, a screw-threaded anchorage stud having a recess, anchorage means adjustable on the thread of said stud, and means to secure said retainer to said anchorage means and to engage said recess to lock said anchorage means in adjusted position.

2,247,445
FILTER
Angus S. Long, Cedar Rapids, Iowa, assignor to H. Perry Smith, Albany, N. Y.
Application May 27, 1938, Serial No. 210,413
7 Claims. (Cl. 210—131)



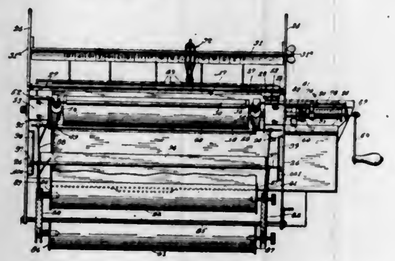
1. A device adapted for use in forming in place within a hollow casing a unitary filter cartridge of fibrous material comprising a pair of perforated confining members adapted to fit closely the interior side walls of said casing but freely insertable and withdrawable therefrom and forming end walls for said cartridge, a centrally-disposed, post-like structure comprising inner and outer, telescopically cooperating elements, one slidable within the other, extending between said confining members and serving to guide them for relative movement towards each other; the inner one of said elements being threaded at one end and secured at its other end to one of said members; and threaded means extending into said outer element and coacting with the threaded end of said inner element and the other of said members for forcing said members towards each other to compress fibrous material placed therebetween and about said post-like structure into close engagement with the side walls of said casing and also to secure said confining members together in substantially fixed relation with the fibrous material so compressed; whereby the whole may be withdrawn as a unit from said casing.

2,247,446
GRAIN CLEANER
Thomas E. Mahoney, Dorrance, Kans.
Application January 16, 1939, Serial No. 251,105
14 Claims. (Cl. 130—23)



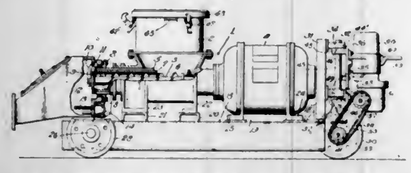
4. A grain cleaning device comprising, in combination, a rotary cylindrical screen disposed with its axis substantially horizontal, means for discharging grain upon the top outer periphery of said screen, and a second rotary cylindrical screen disposed with its axis below and substantially parallel to the axis of said first named screen, and the rotation of said screens being such that material remaining on the outer periphery of said first named screen is dropped upon the outer periphery of said second screen.

2,247,447
WALLPAPER MACHINE
Louis Joseph Manka, Fort Madison, Iowa
Application October 23, 1939, Serial No. 300,690
20 Claims. (Cl. 91—14)



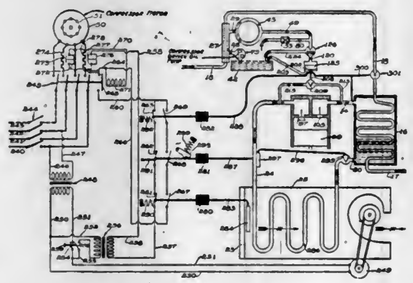
5. In a device of the character described, a base, a paste receptacle mounted on said base, a supporting roll rotatably mounted on said base above said paste receptacle for partial immersion therein, a pressure roll rotatably mounted on said base for adjustable co-operation with said supporting roll, a reel rotatably mounted on said base for carrying a plurality of rolls of wallpaper or the like, means associated with said reel for directing a strip of wallpaper from a selected roll of said reel to and between said supporting and pressure rolls, means co-operating with said supporting roll for feeding said strip through said pressure and supporting rolls, a guide member extending substantially parallel with said supporting roll, and a cutting member slidable along said guide member for cutting said strip into individual lengths.

2,247,448
CONVEYING APPARATUS
Joseph H. Morrow, Hokendauqua, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application August 2, 1940, Serial No. 349,539
3 Claims. (Cl. 214—17)



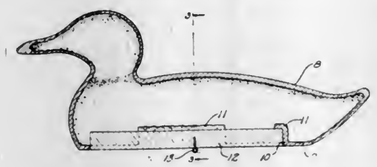
1. In a mobile conveyor for discharging pulverulent material from flat bottomed storage silos which are provided with a plurality of spaced short vertical discharge spouts, which includes a pump having a hopper, a conduit communicating at one end with the hopper, means for applying pressure to advance and compact the material in the conduit and means to aerate the material beyond the point of maximum pressure, the improvement which comprises a support for the pump having a base to which the pump is attached, wheels supporting the base for rolling movement, a pivotal connection between the base and one of the wheels, an electric motor drivingly connected to one wheel to propel the assembly, and means for steering the assembly, whereby the conveyor may be maneuvered below a storage silo for selective direct connection of the pump hopper to any one of the plurality of short vertical discharge spouts.

2,247,449
COMPRESSOR CONTROL
Charles R. Neeson, Dayton, Ohio, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 29, 1937, Serial No. 145,587
6 Claims. (Cl. 62—4)



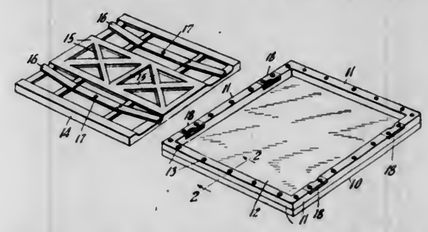
3. In a refrigerating system having high-pressure and low-pressure sides and a compressor discharging a refrigerating medium to said high-pressure side and drawing said medium from said low-pressure side, a fluid pressure system for circulating a lubricating medium through said compressor when said compressor is in operation, and means controlled by said fluid pressure system to load the compressor when the compressor is in operation and to unload the compressor by directly connecting the high-pressure and low-pressure sides as soon as the compressor ceases operating, a control circuit for said compressor comprising switches and controls to open one of said switches if the pressure in the high-pressure side rises above a predetermined maximum and another of said switches if the temperature at the region of the low-pressure side falls below a predetermined minimum, means to reclose the switch affected by said pressure if said pressure falls below said predetermined maximum as a result of the operation of said unloading means, and means to reclose the switch affected by said temperature if said temperature returns to a point above said predetermined minimum, said switches being in series whereby reoperation of the compressor is prevented if the high pressure is due to low temperature at the region of said low-pressure side.

2,247,450
HUNTER'S DECOY
John H. Olsen, Milwaukee, Wis., assignor to Pulp Reproduction Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 15, 1940, Serial No. 319,055
7 Claims. (Cl. 43—3)



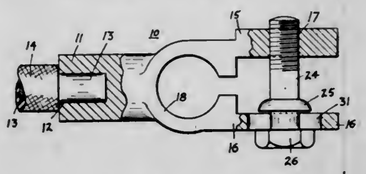
1. An article of manufacture comprising, a hollow decoy of light molded material, said decoy having a base provided with a central recess, positioning stops formed of said molded material and integral with said base about and within said recess, and a relatively heavy buoyant closure plate for said base secured entirely within said recess against said stops with its lower surface substantially flush with said base.

2,247,451
X-RAY FILTER
Paul C. Rawls, Milwaukee, Wis.
Application November 2, 1939, Serial No. 302,511
2 Claims. (Cl. 250—68)



1. In an X-ray cassette, the combination of a sensitized film and a sheet of lead sufficiently thin to be pervious to X-rays, adjacent to and parallel with said sensitized film and adapted to be positioned between the film and the source of X-rays to which the film is to be exposed, and a second sheet of lead positioned on the opposite side of and closely adjacent to said film, and sufficiently thinner than said first sheet to permit the passage therethrough of primary radiation passing through said film, but to absorb the scattered and secondary radiation originating beyond said second sheet.

2,247,452
SELF-RELEASING BATTERY TERMINAL CLAMP
Hugo E. Seils, Chicago, Ill., assignor of twenty-six and two-thirds per cent to Charles M. Peters, Lansing, Ill.
Application April 9, 1940, Serial No. 328,709
1 Claim. (Cl. 173—259)

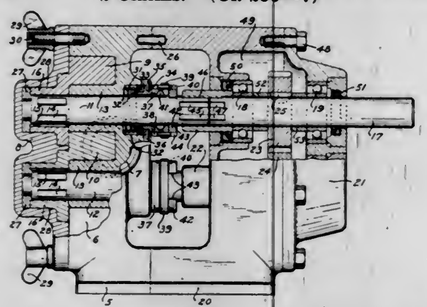


A clamp comprising in combination a unitary body having two relatively movable arms adapted to engage opposite sides of a member to which the clamp is to be applied, a threaded aperture in one of said relatively movable arms, the other of said relatively movable arms being initially provided with a large aperture intermediate its ends, a cap screw having a rigidly attached flange about its shank receivable through said enlarged aperture, the threaded end of said cap screw being screw threaded in said threaded aperture, said other of said relatively movable arms being swaged inwardly about said enlarged aperture whereby said enlarged aperture is elongated to an extent whereby the width of the elongation is substantially less than the diameters of the head and flange of said screw, said flange and head of said screw being on opposite sides of the said other of said relatively movable arms.

2,247,453
ASBESTOS AND CEMENT COMPOSITION AND METHOD OF MAKING
Thomas Ivan Taylor, Minneapolis, Minn.
No Drawing. Application September 28, 1938, Serial No. 232,231
16 Claims. (Cl. 106—95)

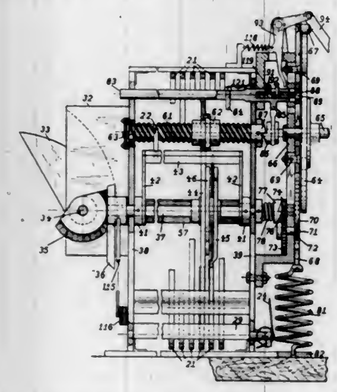
1. The process of waterproofing which comprises reacting an asbestos and Portland cement composition containing lime and an alkali metal compound with a soap and a water-soluble acidic agent adapted to neutralize the hydroxide of the alkali metal and depress the hydroxyl ion content of the said composition, the said agent being added in proportion substantially in excess of the amount chemically equivalent to any fixed alkali metal present in the soap and being adapted to form a freely water-soluble compound with lime present in the composition.

2,247,454
PUMP SEAL
Leroy Albert Thomson, La Crosse, Wis., assignor to Bump Pump Company, La Crosse, Wis., a corporation of Wisconsin
Application September 26, 1938, Serial No. 231,669
2 Claims. (Cl. 286—7)



1. In combination, a casing having a bearing and an enlarged bore adjoining said bearing opening outwardly of the casing, a shaft journalled in said bearing and extending outwardly of said casing through and beyond said bore and having diametrically opposite transverse notches therein remote from the open end of said bore, a U-shaped retaining element slidably coacting with said shaft notches to fixedly secure the element to said shaft, said element having peripheral grooves extending longitudinally of said shaft, an outer rotary ring embracing said shaft between said element and said bore and having driving pins projecting from the opposite sides of the ring and coacting with said element grooves, an inner rotary ring embracing said shaft between said outer ring and said bore and having peripheral recesses slidably and drivingly engaged by said pins, an inwardly distortable pliable packing snugly embracing said shaft between said rings, a non-rotary ring slidably confined within said bore and having an end face in sealing engagement with the adjacent end face of said inner rotary ring, means for positively preventing rotation of said non-rotary ring while permitting free sliding thereof along said bore, an outwardly distortable pliable packing carried by said non-rotary ring and snugly engaging said bore, and resilient means within said bore and coacting with the bore bottom and with said outwardly distortable packing to distort said packings and to urge said rings toward each other and against said element.

2,247,455
TIME CONTROLLED SETTING DEVICE
Henry Turin, Brooklyn, Otto E. Kase, New York, and Harris D. Hineline, Mount Vernon, N. Y.
Application July 14, 1937, Serial No. 153,628
2 Claims. (Cl. 250—40)



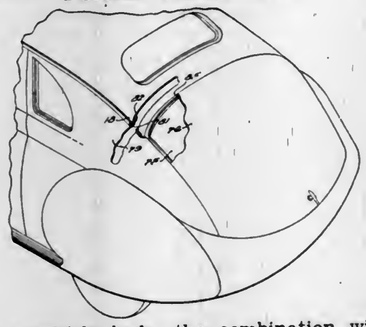
1. In combination, a plurality of pre-settable members, an adjusting member, means for bringing said adjusting member into register with said pre-settable member comprising a pair of swingable levers, a support plate therefor, power means for actuating said swingable levers, and means for bringing said swingable levers into adjusting relationship with said adjusting member and successive pre-settable slides comprising a feed screw, and means for releasing said feed screw comprising a stop rod having a clutch disengaging fork, a member engaging with said support plate, and a pin for locking said power means.

2,247,456
WELTING
William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a co-partnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour
Application May 16, 1940, Serial No. 335,528
9 Claims. (Cl. 12—146)



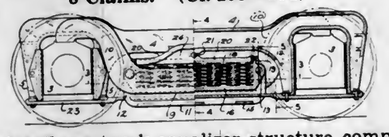
1. The method of producing two welt strips from a double fillet of less width than the combined width of stock in single fillets required for the two beaded welts made from said strips, each strip being of greater overall width than one-half of the width of said fillet, comprising severing the fillet longitudinally by co-operating cuts including a cut lying in a plane parallel to the upper face of the fillet and extending at either side of the center line of the fillet to points adjacent the inner edges of the welt extensions of the welt strips, a cut lying in a plane oblique to the upper face of the fillet and extending upwardly from the parallel cut and emerging from said upper face along a line which defines the overall width of one of the single fillets, the oblique cut intersecting the parallel cut to define the width of the other fillet, and a cut extending from the parallel cut at the center of the fillet towards and emerging through the bottom face of the fillet.

2,247,457
ROOF RAIL CONSTRUCTION
Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 7, 1938, Serial No. 194,252
1 Claim. (Cl. 296—137)



In a vehicle body, the combination with a roof panel having a channel at the side edge thereof which extends downwardly and terminates near the rear deck opening, side panels engaging said trough and supporting said roof panel, the rear end of the roof panel and the side panels beyond the end of said trough being flanged downwardly, and a trough element defining the deck opening into which the flanges at the rear of the roof and side panels project.

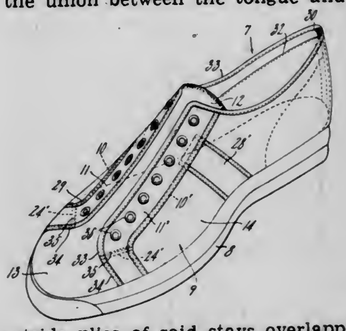
2,247,458
RAILWAY TRUCK
Adelbert C. Wintemberg, Drexel Hill, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application May 19, 1939, Serial No. 274,475
8 Claims. (Cl. 105—194)



1. A railway truck equalizer structure comprising a pair of associated equalizer bars spaced apart with their end portions arranged to rest on the truck axle boxes, and a spring seat member of inverted U section positioned between and supported by said bars with its depending sides extending below the level of the bottoms of said bars and its cross piece forming a spring seat adjacent said level, and cross ties bracing the lower edges of the legs of said spring seat member at intervals whereby said seat member forms a box-shaped housing adapted to receive a pedestal tie extending from end to end of the seat member.

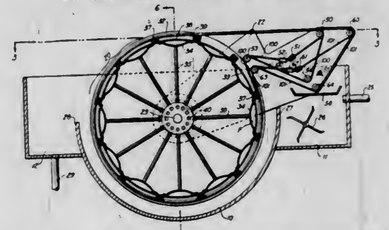
2,247,459
SHOE
Frederick H. Wolfhard, St. Jerome, Quebec, and Leighton C. Woodall, Notre Dame de Grace, Montreal, Quebec, Canada, assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 7, 1939, Serial No. 255,066
5 Claims. (Cl. 36—45)

1. In a shoe, an upper comprising an integrally cut vamp, tongue and quarter, said quarter being cut so as to form two edges adapted to extend upwardly on each side of the instep of the foot and having separately cut eyelet stays having inside and outside plies, said inside plies being united to the instep edges of said quarter by butt seams and extending to the points where said instep edges meet the union between the tongue and vamp,



said outside plies of said stays overlapping the butt seams and extending from said points to the sole engaging edges of said quarter and being stitched to the outside surface of the adjoining margins of said quarter and vamp, and said stays extending beyond the instep edges so as to provide a lap for said tongue.

2,247,460
CONTINUOUS FILTRATION
Arthur Wright, Louisville, Ky.
Application November 30, 1937, Serial No. 177,285
10 Claims. (Cl. 210—199)

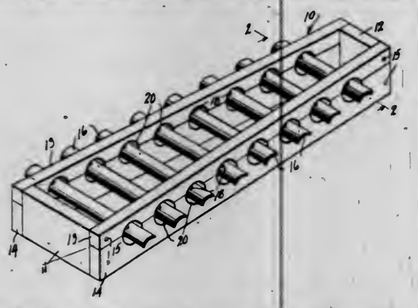


1. In combination with a rotatable filter drum having a filter compartment defined by external peripheral walls and subject to a pressure differential, a filter medium substantially covering said compartment between said walls and including a filter base section adapted to serve as a drainage member comprising an endless cord arranged in the form of a filtering layer composed of parallel runs of the endless cord and a cake removal section adapted to lie upon the filter base section comprising an endless cord arranged in the form of a cake removal layer composed of parallel runs of the endless cord, means for removing both sections of the medium from contact with the filter drum and means for removing the cake from the cake removal section of the filter medium.

2,247,461
XYLOPHONE
Harry Zimmerman, New York, N. Y.
Application May 3, 1941, Serial No. 391,666
6 Claims. (Cl. 84—403)

1. In a xylophone, a frame having longitudinally split and apertured side walls, resonant bars extending through opposite apertures in the side walls, the said bars having spaced apart

openings, and insulated supporting pins in the said apertures passing through the openings in



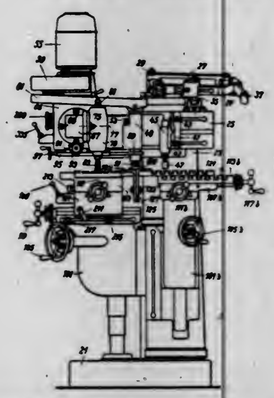
the bars and forming suspension means therefor.

2,247,462

MILLING AND COPYING MACHINE

Kurt Zwick, Munich, Germany, assignor to Friedrich Deckel, Munich-Prinz Ludwigshohe, Bavaria, Germany

Application March 22, 1938, Serial No. 197,431
In Germany March 27, 1937
21 Claims. (Cl. 90—13.1)



1. A copying machine including means for holding work and a pattern, a tracing stylus for cooperation with the pattern, a frame, a cutter spindle for holding a cutting tool for normal cutting operations on the work, said cutter spindle being supported from said frame for movement relatively thereto in a plurality of intersecting directions, and a special cutter spindle for holding a cutting tool for heavy cutting operations on the work, said special cutter spindle also being supported from said frame and being held with its axis in stationary position relatively thereto during the progress of any given cutting operation.

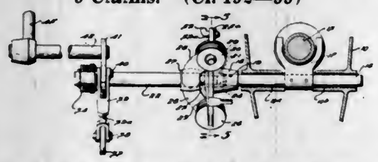
7. A copying machine including a frame, means for supporting work, a cutter spindle mounted for bodily movement relatively to said frame in a plurality of intersecting directions so that a cutting tool carried by said spindle may move over the work, positive feeding means for moving said spindle bodily relatively to said frame in a plurality of intersecting directions, a source of power, means for driving said spindle from said source of power, and means for driving said feeding means from the same source of power, said last mentioned driving means including changeable gearing for driving said feeding means at a plurality of different speeds for a given speed of driving said spindle.

2,247,463

CLUTCH SHAFT COUPLING

William D. Allison, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a corporation of Michigan

Application June 21, 1938, Serial No. 215,031
9 Claims. (Cl. 192—99)



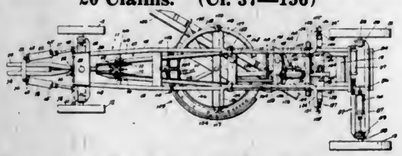
6. In a motor vehicle, the combination of an engine mounted on said vehicle for limited movement, a clutch rigidly secured to said engine, a cross shaft having one end journalled in the structure of said clutch and adapted to control the same, a shaft section arranged coaxially with said cross shaft in a substantially end to end relation therewith and journalled in the structure of the vehicle, means mounted on the vehicle structure and operatively connected with said shaft section for turning the same, a member secured to the end of the cross shaft adjacent to an end of said shaft section and adapted to support said end of the shaft section, and a resilient bushing in said member between said shaft section and the member.

2,247,464

ROAD GRADER

Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works and Manufacturing Company, a corporation of Ohio

Application February 2, 1933, Serial No. 654,901
20 Claims. (Cl. 37—156)



19. In a road-working machine the combination with a vehicle of a road-working implement adjustably mounted thereon a laterally shiftable device mounted on said frame and connected to said road-working implement a reciprocating motor operable in a direction transversely of said laterally shiftable device, and operating connections between said motor and said device for effecting shifting of the latter laterally of the frame upon operation of said motor to adjust said road-working implement relative to said frame.

2,247,465

DEHYDROGENATION OF HYDROCARBONS

Hans Baehr, Leuna, Germany, assignor, by mesne assignments, to William E. Currie, New York, N. Y.

No Drawing. Application December 22, 1938, Serial No. 247,300. In Germany December 22, 1937

2 Claims. (Cl. 196—10)

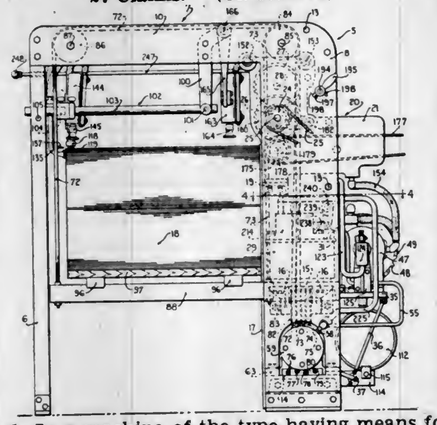
1. A process of dehydrogenating aliphatic hydrocarbons of the paraffin series which contain at least 2 but less than 10 C. atoms in the molecule and polymerizing at least part of the dehydrogenation products formed which comprises heating the initial materials to temperatures of between 250 and 600° C. together with a coal, the reaction being carried out under a pressure of more than 25 atmospheres.

2,247,466

SHEET FEEDING APPARATUS

Leonard Baker, Hillsdale, N. J., and Leo C. Williams, Pearl River, N. Y., assignors to Dexter Folder Company, Pearl River, N. Y., a corporation of New York

Application July 16, 1940, Serial No. 345,744
27 Claims. (Cl. 271—62)



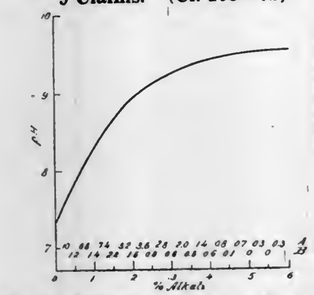
1. In a machine of the type having means for supporting a pile of sheets, the combination of upper and lower rotatably mounted means, four flexible elements connected with the pile supporting means and passing around said upper and lower rotatably mounted means, hydraulically actuated means for operating said four flexible elements and said pile supporting means, and pile engaged means for controlling the operation of said hydraulically actuated means.

2,247,467

PROCESS OF TREATING CLAYS

George J. Barker and Emil Truog, Madison, Wis., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin

Application August 1, 1940, Serial No. 349,166
9 Claims. (Cl. 106—72)



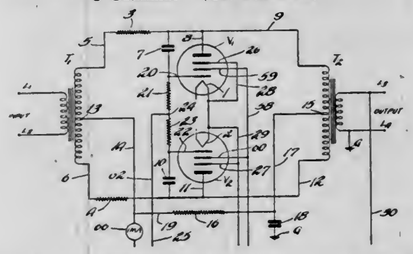
1. In the process for the production of clay products from common clays, by the stiff and soft mud processes, that improvement which comprises mixing with said clay an alkaline material in an amount which gives an acid clay a pH in the range of 7 to 9 and gives a non-acid clay a pH in the range of 8 to 10, and in amount further limited to that which in the alkalimetric titration of said clay mixed with water raises the pH of the clay substantially to those values at which the alkalimetric pH titration curve of the clay, within the respective range aforedescribed for said clay, changes from an initial section where an increment in the quantity of alkali causes a large increase in pH of the clay to a later section where the same increment in the quantity of alkali causes but a small increase in pH of the clay, said alkaline material including an alkaline compound of an alkali metal in amount such that the clay to which the alkaline material has been added has at least 20% of its base exchange capacity saturated with alkali metal.

2,247,468

AUTOMATIC ATTENUATION CIRCUIT

Forrest L. Barr and Carl W. Ulrich, Chicago, Ill., assignors of thirty per cent to Robert J. Thorn, forty per cent to said Ulrich, and thirty per cent to said Barr, all of Chicago, Ill.

Application May 11, 1940, Serial No. 334,566
5 Claims. (Cl. 178—44)



1. An automatic attenuation circuit for an audio frequency transmission line comprising input and output means, a circuit network included between said input and output means, a vacuum tube means included in said circuit network, the plate and grid circuits of said vacuum tube means connected as a shunt path across the said circuit network, including an additional vacuum tube circuit connected and responsive to audio frequency signals in the said transmission line, said additional circuit adapted to control and automatically decrease the normal impedance of the aforesaid vacuum tube means when signals in excess of predetermined values are impressed upon said transmission line to limit the amplitude of signals in the said output means of the said transmission line to a predetermined level.

2,247,469

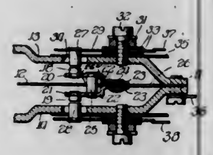
VIBRATORY MOTOR

Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois

Application March 21, 1935, Serial No. 12,157
22 Claims. (Cl. 200—90)

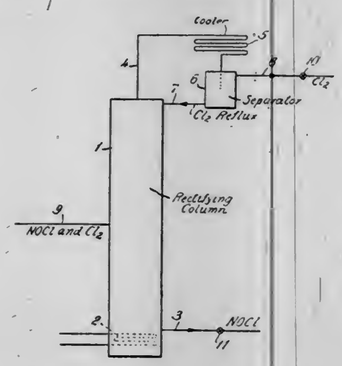
22. In a vibratory motor, the combination of a frame having an energizable pole piece thereon, a thin, flat, resilient metal reed having its butt end fixed to the portion of said frame opposite said pole piece and with the reed projecting toward said pole piece in cantilever fashion, means for energizing said pole piece periodically and at a frequency controlled by the rate of reed vibra-

tion to maintain the reed in vibratory motion, a first contact on an intermediate portion of the reed and a cooperating second contact carried by the frame to close an external circuit upon closure of said contacts, one on the other, and said reed having a weakened portion adjacent its fixed end



to cause it to flex readily at such point upon institution of vibratory motion of the reed and a second weakened portion adjacent said first contact to cause the portion of the reed beyond said contact to flex readily after the contacts have closed one against the other.

2,247,470
PROCESS FOR THE SEPARATION OF NITROSYL CHLORIDE AND CHLORINE
Herman A. Beekhuis, Jr., Petersburg, Va., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application August 9, 1938, Serial No. 223,809
4 Claims. (Cl. 202—41)



1. The process for the separation of a mixture of liquid nitrosyl chloride and chlorine which comprises continuously introducing said liquid mixture into a mid-portion of a rectifying column, passing the liquid mixture downwardly in the column in contact with vapors of nitrosyl chloride to vaporize the chlorine and substantially to free the mixture of chlorine leaving relatively pure nitrosyl chloride, continuously boiling the liquid nitrosyl chloride thus free from chlorine to vaporize nitrosyl chloride, passing vapors of nitrosyl chloride thus obtained upwardly in said column in contact with the descending flow of liquid mixture, passing the chlorine gas vaporized from the liquid mixture upwardly through said column in contact with a descending stream of liquid chlorine to free the chlorine gas of vapors of nitrosyl chloride, cooling the thus treated chlorine gas to liquefy it at least in part, passing thus liquefied chlorine as a liquid chlorine reflux in contact with the gases and vapors ascending through said rectifying column, continuously withdrawing another portion of said last mentioned chlorine gas as substantially pure chlorine product without refluxing it in said column, the ratio by weight of liquid chlorine refluxed to said chlorine withdrawn as product corresponding to

$$.35\left(0.6+\frac{NOCl}{Cl_2}\right)(0.75+\sqrt{p})\text{ to }1\left(0.6+\frac{NOCl}{Cl_2}\right)(0.75+\sqrt{p})$$

where

$$\frac{NOCl}{Cl_2}$$

is the mol ratio of nitrosyl chloride and chlorine in said liquid mixture introduced into the rectifying column and p is the pressure (in atmospheres) in said column, and continuously withdrawing nitrosyl chloride from the bottom of said column.

2,247,471
MANUFACTURE OF YARNS
Angus Smith Bell, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application May 7, 1940, Serial No. 333,721
In Great Britain June 9, 1939
13 Claims. (Cl. 57—2)

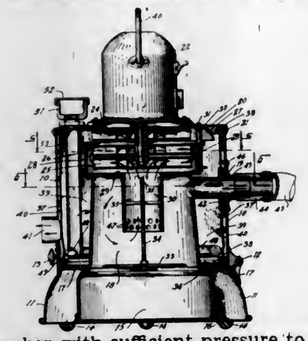


1. Method of producing staplised yarn, said method comprising subjecting a bundle of continuous filaments to a ring-spinning operation, in which said bundle forms a balloon about a winding package, controlling said balloon by means of a guide ring surrounding said package, and, between said guide ring and the point at which said bundle reaches said package, causing said balloon to contact with a cutting device whereby the bundle is subjected to a cutting action that severs the filaments therein, without breaking the continuity of the bundle as a whole.

2,247,472
VACUUM CLEANER
Walter E. Bible, Denver, Colo., assignor to The Western Battery and Supply Company, Denver, Colo., a corporation of Colorado
Application April 5, 1940, Serial No. 327,976
14 Claims. (Cl. 183—35)

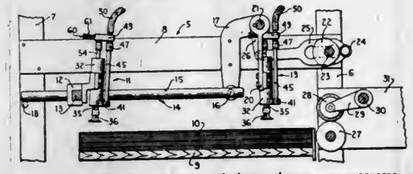
8. A vacuum cleaner comprising: a whirl chamber; means for introducing dust laden air tangentially into said whirl chamber; a porous filter wall surrounding and spaced from said whirl chamber to form an annular filter chamber thereabout; said filter chamber being closed at both

its ends; a blower for withdrawing air from said whirl chamber and discharging said air into said



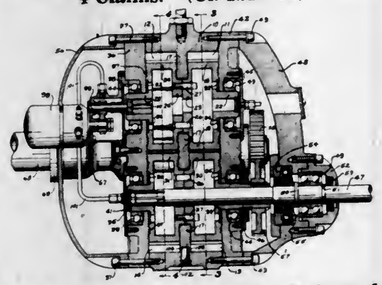
filter chamber with sufficient pressure to force it through the porous filter wall.

2,247,473
SHEET FEEDING APPARATUS
Frederick G. Binder, Philadelphia, Pa., assignor to Dexter Folder Company, Pearl River, N. Y., a corporation of New York
Application July 12, 1940, Serial No. 345,041
5 Claims. (Cl. 271—27)



1. In a cylinder and piston type vacuum operated sheet handling device having a port for establishing communication between a source of vacuum and the interior of the cylinder, the combination of means incorporated in the device movable at any time through the port thereof to clean it, and means normally holding said first named means removed from the port to enable operation of said device.

2,247,474
ROTARY ENGINE
Earl E. Bowers, Lebanon, and Charles M. Tumey, Indianapolis, Ind.
Application June 26, 1940, Serial No. 342,456
4 Claims. (Cl. 121—70)



4. In a rotary engine, a pair of circumferentially intersecting cylinders, a second pair of circumferentially intersecting cylinders, said cylinders being arranged to have a cylinder of each pair to one side of their intersections coaxially aligned and the other cylinders also being likewise coaxially aligned, a toothed driving rotor in each cylinder in mesh with the rotor in the intersecting cylinder, means securing in driving relation one rotor to the other between coaxial cylinders, a drive shaft having driving engagement with one rotor and extending axially through and beyond its connected rotor, a bearing supporting the shaft beyond said connected rotor, and bearings supporting each pair of the connected rotors independently of said shaft.

2,247,475
MODIFIED LUBRICATING OIL
Ulric B. Bray, Palos Verdes Estates, and Donald E. Carr, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application November 23, 1936, Serial No. 112,352
7 Claims. (Cl. 196—13)

4. An over-refined low V. G. C. highly paraffinic lubricating oil containing an added petroleum extract fraction added as such and obtained from a petroleum lubricating oil stock, said extract fraction being soluble in selective solvents for non-paraffinic materials of the petroleum lubricating oil stock and being of relatively high molecular weight and of aromatic character relatively less soluble in said selective solvents and free from heavy, tarry and highly aromatic and reactive constituents relatively more soluble in said selective solvents, said extract fraction having a gravity in the order 13° to 18° A. P. I. and being present in quantity sufficient to impart to the blend freedom from the characteristic of developing substantial corrosive and ring-sticking tendencies.

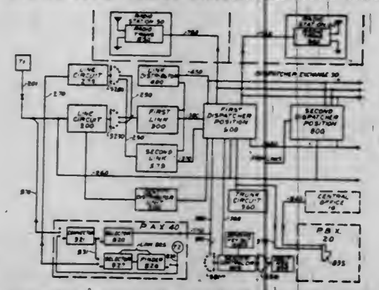
2,247,476
MOTOR FUEL
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application January 8, 1937, Serial No. 119,623
7 Claims. (Cl. 44—9)

1. A motor fuel containing constituents normally tending to produce gummy and resinous deposits in internal combustion engines containing a small quantity of high boiling oxygenated gum solvent of the dibutylphthalate type together with a small quantity of a solvent extract from petroleum adapted to plasticize said gummy and resinous deposits to minimize sticking of valves and rings, said solvent extract having a gravity at least as heavy as about 16.4° A. P. I.

2,247,477
SIGNALING SYSTEM
Karl L. Burgener, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application March 1, 1940, Serial No. 321,660
31 Claims. (Cl. 179—5)

1. In a telephone system, a plurality of lines, a plurality of links, a plurality of trunks individually associated with said links, an operator position, means selectively controllable from said operator position for connecting said operator position to any one of said lines, means controlled when said operator position is connected to one of said lines for connecting said one line to an idle one of said links, an impulse sender controllable from said operator position, means con-

trolled when said one line is connected to said one link for connecting said impulse sender to the one of said trunks associated with said one



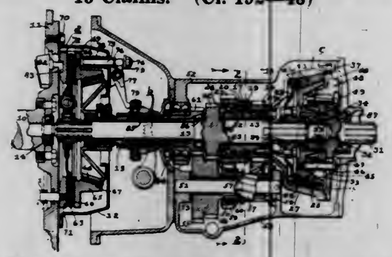
link, impulse responsive switching apparatus associated with said one trunk, and means for connecting said one link to said one trunk.

2,247,478

MULTICLUTCH MECHANISM

Everett R. Burtnett, Los Angeles, Calif., assignor to Automotive Improvements Patents Corporation, Los Angeles, Calif.

Application August 11, 1936, Serial No. 95,357
15 Claims. (Cl. 192—48)



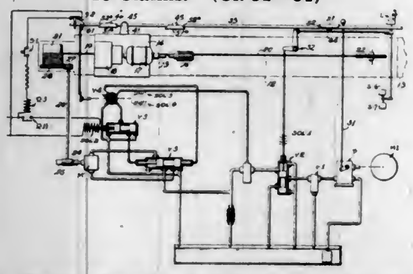
1. In a power transmitting mechanism which includes one revolvable power transmitting member and two other concentric power transmitting members coaxial with said one member, one of said two other members being a low speed the other a high speed driving ratio associate member, a two way operable friction clutch mechanism for alternatively coupling either of said other two members to rotate with said one member comprising a friction clutch element connected to rotate with one of said two other members and another friction clutch element connected to rotate with the other of said two members, a bottom clutch element to rotate with said one member and for alternative association with said friction clutch element that is rotatable with one and said friction clutch element that is rotatable with the other of said other two members and accordingly movably disposed between the named two friction clutch elements, resilient means tending to urge said bottom element into a normal position in which it will be disengaged from one of said two-named friction clutch elements and in which it may serve as a bottom clutch element for the other of said two-named friction clutch elements to be clutch packed thereagainst, said resilient means for resisting the pressure of such clutch packing, a presser clutch element to rotate with said one member and disposed operatively on the opposite side of said other of said two-named friction clutch elements with respect to said bottom element, retractive resilient means tending to urge said presser element out of engagement with the friction clutch element that is disposed between said presser and bottom elements, means operable in response to the speed of said one member for actuating said presser element toward said bottom element thereby to clutch pack the one of the two-named friction clutch elements therebetween when said one member has attained sufficient speed of rotation, and means for progressively actuating said bottom element out of said normal position at will whereby the clutching unit comprising said bottom and presser elements and said speed responsive means will be rendered inoperable and said bottom element will thereafter be brought into clutching relation with the other of the two named friction clutch elements.

2,247,479

HONING MACHINE

Harry J. Caldwell, Rockford, Ill., assignor to Barnes Drill Company, Rockford, Ill., a corporation of Illinois

Application April 13, 1939, Serial No. 267,572
18 Claims. (Cl. 51—34)



1. The combination in a honing machine having work and tool supports and power actuated means for reciprocating one of said supports relative to the other support to traverse the tool from one end of the work to the other, of control mechanism for said power actuated means including a rotatable control rod extending substantially parallel to the reciprocatory path of said one support, means on said one support engageable with means on said rod for rocking the rod alternately into either of two angularly spaced positions as the support approaches respective opposite ends of its working stroke, reversing means actuated by said rod upon its operation to either of said positions to reverse the direction of movement of said one support, and auxiliary control means operable to render said reversing means when actuated ineffective to reverse the direction of movement of said one support as the support approaches one end of its working stroke whereby to effect movement of the support through an abnormally long stroke for disassociating the tool and work.

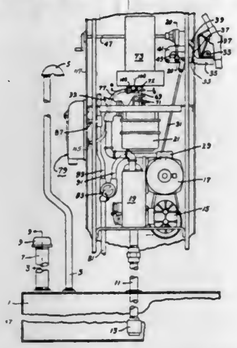
2,247,480

INVENTORY CONTROL SYSTEM AND APPARATUS

Robert H. Damon, Clarence F. Rogier, John W. Baur, and Thomas E. Kulo, Chicago, Ill., assignors to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana

Application November 6, 1939, Serial No. 303,036
19 Claims. (Cl. 194—66)

11. In an apparatus for dispensing liquid, a pump to produce a flow of said liquid, a device movable from an inoperative to an operative position for controlling said flow, a meter driven by the liquid flow, mechanism driven by the meter for moving said device to inoperative position, check controlled means for moving said device to operative position, and manually operable



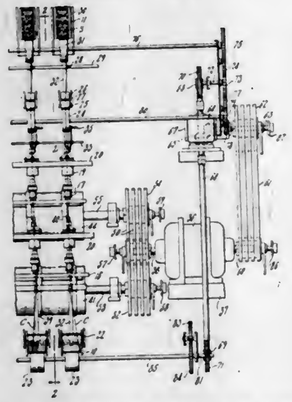
dispensing control means connected with said pump for rendering said pump repeatedly operative and inoperative at will when said device is in operative position.

2,247,481

CORE COVERING MACHINE

Harry E. Cooper, Providence, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application May 23, 1940, Serial No. 336,733
5 Claims. (Cl. 57—16)



1. In a core covering machine in combination, core covering units arranged one above the other in axially aligned pairs disposed lengthwise of the machine, each unit including a hollow spindle and a surrounding package adapted to wind a cover upon a core passing through said hollow spindle, a take-up means for advancing a core through aligned lower and upper spindles, a lower driving drum for rotating the lower packages in one direction and an upper driving drum for rotating the upper packages in the opposite direction, a single source of power, means for driving both drums and said take-up independently from said source of power so as to operate each therefrom, and independent manually-adjustable variable speed means for each drum and for said take-up and adjustable while the machine is in operation to vary the speed of the take-up alone or of either spindle alone relative to said source of power.

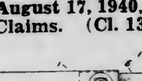
2,247,482

HALOGENATED ACETAL

Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 10, 1938, Serial No. 213,027
6 Claims. (Cl. 260—345)

5. A mixed halogenated acetal having the formula:



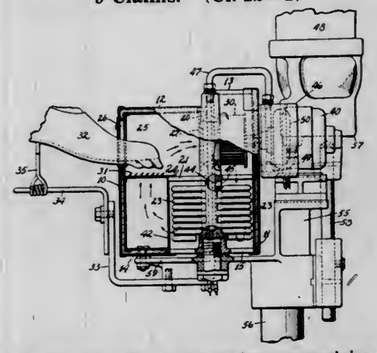
R being an alkyl group, R' being a member of the group consisting of tetrahydrofurfuryl and alkoxy alkyl groups, and X being a member of the group consisting of bromine and chlorine.

2,247,483

SHOE TREATING APPARATUS

Fred C. Eastman, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application December 15, 1939, Serial No. 309,433
9 Claims. (Cl. 12—1)



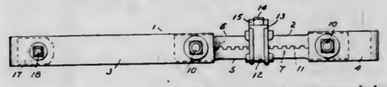
1. A shoe-treating apparatus comprising outer walls and heat-radiating inner walls forming a closed air-circuit including a heating chamber and a treatment chamber in series, a power-driven blower arranged to circulate the air in said circuit, one of said inner walls being hollow and located in said heating chamber to be enveloped in the air-stream, heating means located inside said hollow wall, and means arranged to supply hot moist vapor, said hollow wall having a duct through which the vapor flows and from which it is emitted into the air-stream.

2,247,484

LUG CONNECTION FOR LOOMS

Bartholomew F. Early, Lowell, Mass.

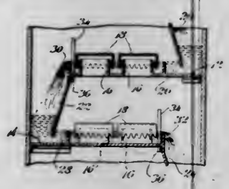
Application August 17, 1940, Serial No. 353,137
3 Claims. (Cl. 139—151)



1. A lug connection for looms comprising a connecting bar formed of a pair of metallic coupling members each having a solid rectangular jaw portion and a rectangular shank portion, said jaw portions being arranged in superposed and overlapping relationship and the opposed

relatively upper and lower faces of said jaw portions being provided with longitudinal rows of interlocking teeth, and said shank portions being formed with openings for passage of fastening members to connect the respective coupling members with picker stick and actuator engaging elements, a clamping sleeve slidably embracing the solid jaw portions of the coupling members, and a set screw carried by said sleeve and engageable with one of the jaw portions for clamping the jaw portions and sleeve together.

2,247,485
BUBBLE TOWER
Wayne C. Edmister and Doyon H. Pollock, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 17, 1940, Serial No. 330,020
3 Claims. (Cl. 261—114)



1. In a fractionation tower comprising a bubble plate, a bubble cap mounted on said bubble plate, a weir mounted on said bubble plate to control the liquid level thereon, and a downspout depending from said bubble plate and associated with said weir, the improvement comprising a vent line passing thru said bubble plate, terminating below said bubble plate within said downspout immediately adjacent to the bottom of said weir, and terminating above said bubble plate at a level above the top of said weir.

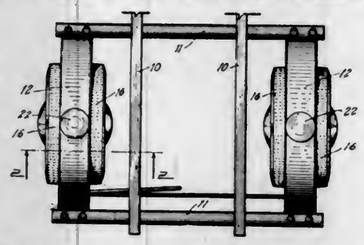
2,247,486
SHUTTLECOCK
George B. Emerson, Cambridge, Mass.
Application February 24, 1940, Serial No. 320,679
4 Claims. (Cl. 273—106)



3. A shuttlecock or like game device, comprising a body and a flexible sheet anchored to said body and folded upon itself to provide a plurality of flaring pleats, one set of corresponding sides of said pleats being of less area than the other set of sides to rotate the shuttlecock in flight.

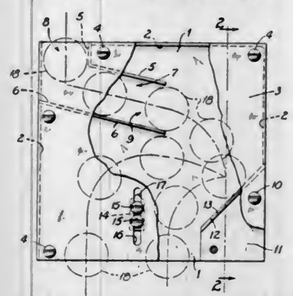
2,247,487
DUAL FRONT WHEEL MOUNTING
Edward V. Garnett and Vactor G. Garnett, Denver, Colo.
Application January 15, 1940, Serial No. 313,808
11 Claims. (Cl. 280—96.2)

1. Means for mounting steerable dual wheels on a truck chassis comprising: a pair of parallel beams extending laterally of said chassis and projecting therebeyond at each side thereof; an upwardly arched beam at each side of said chassis secured between the projecting lateral beams; a guide sleeve extending vertically downward from the apex of each arch beam; a steering post



rotatably mounted in each guide sleeve; axle studs extending oppositely outward from each side of said steering posts; wheels mounted on said axle studs; and means for rotating said steering posts in said guide sleeves.

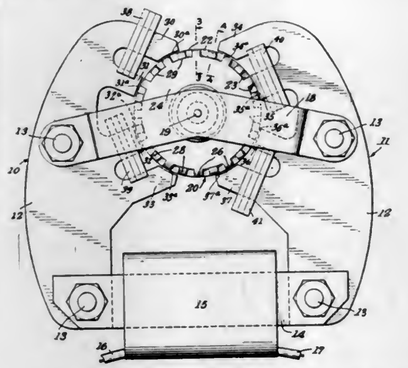
2,247,488
COIN SELECTOR
John Gottfried, St. Louis, and Benjamin W. Fry, University City, Mo.
Application August 21, 1939, Serial No. 291,176
2 Claims. (Cl. 194—100)



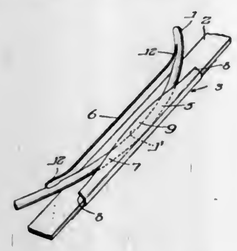
1. In a coin selector, means providing a coin passage slightly wider than the thickness of coins presented thereto and including coin guiding walls, an anvil member toward which coins move for contact and away from which they bounce, a contact face on said anvil member comprising an unbroken surface lying at an angle to the trajectory of a coin and extending at an angle other than perpendicular from said guiding walls, and comprising a plane of contact engageable only with a corner of a bouncing coin which engages the contact face of said anvil.

2,247,489
SELF-STARTING SYNCHRONOUS MOTOR
Joseph Gottlieb, Deal, and Louis Eickemeyer and Carl Woessner, Jersey City, N. J.; said Eickemeyer and said Woessner assignors to said Gottlieb
Application April 16, 1940, Serial No. 329,850
1 Claim. (Cl. 172—278)

In a self-starting synchronous motor, a squirrel cage rotor having alternate magnetic and conducting teeth of uniform width, a pair of oppositely disposed pole pieces each having a plurality of pole sections, and means associated with some of said pole sections to shade the flux therein whereby a revolving field is created, the terminal faces of the shaded pole sections having a length equivalent to the width of an integral number of said rotor teeth and the terminal faces of the remaining pole sections having a length equivalent to the width of a non-integral, lesser number of said rotor teeth.



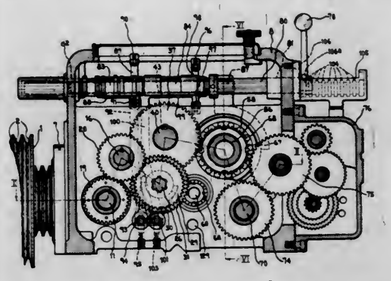
2,247,490
SPRING CLIP
Harold Greenhill, Chicago, Ill.
Application December 22, 1939, Serial No. 310,561
11 Claims. (Cl. 5—267)



1. In a fastening device, the combination of a base portion, side portions extending transversely to said base portion at opposite sides thereof, one of said side portions constructed to engage an intermediate part of a spring coil, and the other side portion having means overlying said spring coil on both sides of said intermediate part, said means being so positioned and inclined relative to the coil that the latter may be sprung over and interlocked with said means.

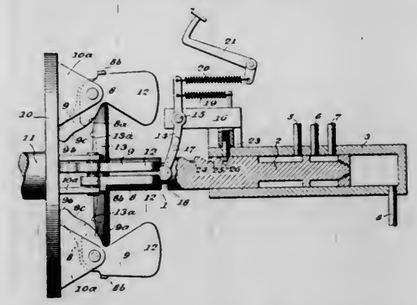
2,247,491
TRANSMISSION SHIFTER MECHANISM
William F. Groene, Harry C. Kemper, and Howard E. Darby, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Original application November 12, 1937, Serial No. 174,216. Divided and this application August 22, 1939, Serial No. 291,424
4 Claims. (Cl. 74—473)

1. In a change speed transmission having a plurality of shiftable elements, a single lever control mechanism for shifting said elements comprising a rock shaft slidably mounted in the housing for said transmission, cams on said shaft, and levers connected to the elements to be shifted and adapted to be actuated by said cams, and a lever on said shaft whereby axial movement and rotary movement of the lever in one direction effects preselection of the speed



change desired while swinging of said lever in the opposite direction renders the speed change selected effective.

2,247,492
SPEED RESPONSIVE MECHANISM
Jesse W. Hale, Newton, Mass.
Application August 20, 1938, Serial No. 225,963
15 Claims. (Cl. 264—3)



2. In a speed responsive mechanism, a movable control member, a rotatable driving member, a governor carried by said driving member adapted to cause movements of said control in substantially direct relation to the speed of rotation of said driving member, said driving member comprising sets of weighted members including control contacting lever portions, means to decrease the effectiveness of said governor as the speed of rotation of said driving means increases, said means comprising means to render the lever portions of one set of members ineffective, means to alter the effective leverage of the remaining lever portions, and tension means to oppose the action of said governor.

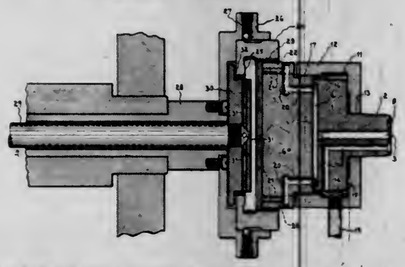
14. In a speed responsive mechanism to effect two predetermined movements of a control, a control actuating member, a driving member, and centrifugally operated members carried by said driving member, said centrifugally operated members including portions to contact said control actuating member at different predetermined speeds, said portions including a pair of spaced cam portions, one of said cam portions being effective at one of said predetermined speeds to give a greater leverage in effecting one of said predetermined movements and the other of said cam portions being effective at another of said predetermined speeds to give a lesser leverage in effecting the other of said predetermined movements.

2,247,493
MERCURY CONTACT RELAY
Henry C. Harrison, Port Washington, N. Y., and Charles E. Pollard, Hohokus, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1939, Serial No. 302,526
11 Claims. (Cl. 200—112)



1. In an electromagnetic structure having an electromagnetic field, a contact element comprising a sealed envelope, terminals extending into said envelope, a plunger of magnetic material responsive to said electromagnetic field and freely movable in said envelope and a globule of mercury supported on the end of said plunger in engagement with the inner wall of said envelope and movable thereby to control the bridging of said terminals.

2,247,494
FLAME HARDENING APPARATUS
Albert L. Hartley, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application June 18, 1940, Serial No. 341,174
2 Claims. (Cl. 158—27.4)



1. A flame hardening burner comprising, a circular burner body, a circular clamping ring surrounding said body, a circular burner tip adapted to be held on said burner body by said clamping ring, said clamping ring and said burner tip forming a coolant chamber around said burner body when said tip is held on said body by said clamping ring.

2,247,495
TERTIARY ALKYL UREA AND PROCESS FOR PREPARING SAME
Mortimer T. Harvey, East Orange, N. J., and Solomon Caplan, New York, N. Y., assignors to Harvel Research Corporation, a corporation of New Jersey
No Drawing. Application April 15, 1938, Serial No. 202,230
7 Claims. (Cl. 260—553)

1.

$$CH_3-\underset{\displaystyle C_2H_5}{\overset{\displaystyle C_2H_5}{\underset{|}{\overset{|}{C}}}}-NH\cdot CO\cdot NH_2$$

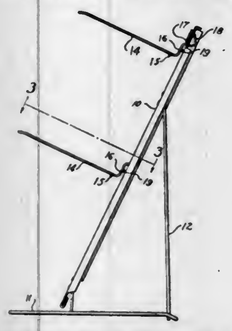
7. The method of making a mono tertiary alkyl urea which comprises reacting a tertiary alcohol, selected from the group consisting of tertiary butyl alcohol, tertiary amyl alcohol and methyl diethyl carbinol, with urea, with the aid of sulphuric acid, maintaining the temperature between about 15° C. and about 25° C.

2,247,496
PROCESS OF REFINING AND FRACTIONATION OF TALL OIL
Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware
No Drawing. Application March 29, 1939, Serial No. 264,780
4 Claims. (Cl. 260—97.5)

1. The process of refining and fractionating tall oil comprising the steps of dissolving tall oil in a mixture of liquefied, normally gaseous hydrocarbons; separating any insoluble material from the hydrocarbon solution; warming the clear hydrocarbon solution under pressure until substantially all the rosin acids have separated from the hydrocarbon solution; separating the rosin phase from the hydrocarbon phase; and distilling the hydrocarbon solution to recover the fatty acids.

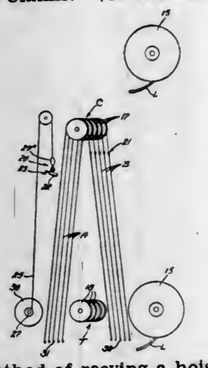
4. In the process of separating complex bodies such as tar, pitch and color bodies from tall oil, the steps of adding tall oil to a liequefied, normally gaseous, hydrocarbon and warming the resultant mixture until a small quantity of rosin is caused to precipitate and form a rosin phase in which the color bodies are concentrated; separating such lower phase from the upper phase and removing the solvent from each phase.

2,247,497
BAG DISPLAY HOLDER
Bernard C. Howell and Francis F. Melvin, Elwood, Ind., assignors to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York
Application March 20, 1940, Serial No. 324,954
4 Claims. (Cl. 211—59)



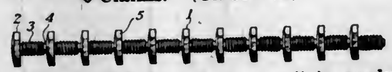
1. For a bag holder, a supporting member wall having a plurality of horizontally spaced apart holes therethrough, a plurality of bag carrier rods, and a cross-bar fixed to the rods to hold them in fixed alignment spaced one from another with the same spacing as said holes, each of said carrier rods having a rear end upturned to form a short leg then rearwardly turned for a short length and finally turned upwardly and slightly forwardly from that length, whereby the rear ends of the rods are entered through said holes to have said short lengths extending through the holes with said short legs dropping down therefrom on the front side of said wall and said final upturned ends extending above the holes on the rear side of the wall and into contact therewith.

2,247,498
METHOD FOR REEVING LINES
Gerald R. Hunt, Riverside, Calif.
Application October 17, 1939, Serial No. 299,836
6 Claims. (Cl. 254—188)



4. The method of reeving a hoist line through the crown block and traveling block of a well derrick comprising suspending two groups of light line sections in the derrick to be adjacent the crown block, threading portions of the sections of one group through the crown block so that each line section is engaged in a sheave of the block, connecting the upper ends of the sections of one group with the upper ends of the sections of the other group to form line units suspended from the sheaves of the crown block, each unit comprising a section of each group, threading one lower portion of each line unit through the traveling block to each engage in a sheave of the same, connecting the lower ends of the successive line units to form a single continuous stringing line which is reeved through the blocks and has two free ends, connecting one of said free ends with the hoist line, and then pulling on the other free end to pull the stringing line through the blocks and thus reeve the hoist line in the blocks.

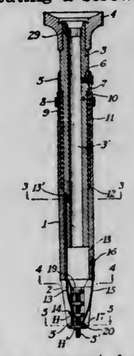
2,247,499
SCREW STICK
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 28, 1939, Serial No. 306,504
6 Claims. (Cl. 85—41)



4. A screw stick for use as a unit in applying one screw of the screw stick to work by a force applied to another screw of the stick and comprising a plurality of integrally connected coaxially arranged screws, each screw including a torsional driving head, a threaded portion and a neck connecting a threaded portion of one screw to the next adjacent torsional driving head of the next screw of the stick, the neck portion being so proportioned relative to the threaded portion of the screw that said neck portion may be broken when said screw thread is properly seated in a complementary threaded aperture.

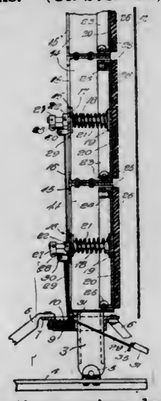
2,247,500
SCREW DRIVER FOR SCREW STICKS
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 28, 1939, Serial No. 306,505
6 Claims. (Cl. 145—50)

4. A screw driver for use with a stick of coaxially arranged screws each screw having a non-round head and each being connected to the adjacent screws by frangible necks, comprising a hollow handle adapted to receive said screw stick, a screw head clearance section at the extreme end of the hollow handle of a size to rotatably and slidably enclose the screw head of the end screw of the stick, a screw driving section adjacent the clearance section of the screw driver having an inside configuration substantially complemental to the shape of the screw heads and constituting a screw driving element,



said screw driving element being spaced from the end of the screw driver by said clearance section, whereby said driving section may be spaced from a screw being driven into the work and lying partially in said clearance section, said driving section being of sufficient length to engage a screw head next adjacent the driven screw lying in the clearance section whereby a torque applied to a screw head in the screw driving section may drive the end screw solely through the frangible neck, and means inside the hollow handle for advancing and holding one screw at a time.

2,247,501
GOLF PRACTICE SCORING DEVICE
Ransaeller J. Jenks and William F. Gilbert, Lewiston, Idaho
Application June 6, 1940, Serial No. 339,194
4 Claims. (Cl. 273—35)



1. In a golf practice scoring device, a frame having side posts, a target carried by said frame, base bars, lower ends of the side posts being pivoted to the base bars intermediate ends thereof with portions of the base bars extending forwardly and rearwardly from the posts, an elon-

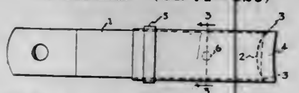
gated yoke extending horizontally with the posts passing vertically through its end portions, bracing bars extending diagonally between the yoke and the base bars to hold the yoke stationary, means confined between the posts and the rear portion of the yoke for yieldably resisting rearwardly tilting of the frame when the target is struck by a driven golf ball, and means actuated from the target for indicating the approximate distance a driven ball would travel without striking the target.

2,247,502
HONING MACHINE
Albert M. Johnson, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application December 30, 1938, Serial No. 248,393
13 Claims. (Cl. 51—34)



1. In a machine tool, in combination a reciprocatory support, a guideway for said support, means for reciprocating said support on the guideway comprising a drum rotatably supported at one end of the guideway, a bracket pivoted at the other end of the guideway, a sheave journaled on said bracket, a cable extending from said support directly to said drum, a second cable extending from said support and over said sheave to the drum, power actuated means for rotating the drum alternately in opposite directions to wind up and pay out said cables and thereby reciprocate said support, a hydraulic cylinder mounted adjacent said other end of the guideway, a piston in said cylinder operatively connected with said sheave supporting bracket, said piston being operative when shifted in one direction to rock the bracket so as to move said sheave away from the cable drum and thereby place said cables under tension, and means for supplying pressure fluid to the cylinder to shift said piston in said one direction.

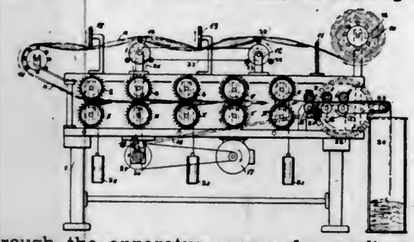
2,247,503
PADDED ARM
Emory D. Jones, Detroit, Mich.
Application November 13, 1939, Serial No. 304,210
5 Claims. (Cl. 74—526)



1. A padded, shock absorbing arm, comprising a length of sheet metal having one or more prongs formed at an extremity thereof, and a pad of yieldable strip material folded across said extremity and engaging said prong or prongs and having portions extending along opposite sides of the sheet metal.

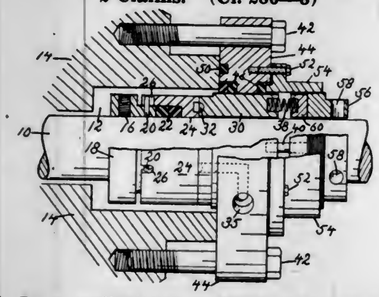
2,247,504
APPARATUS FOR PREPARING CONTINUOUS FILAMENTS
Rudolf Kern, Siegburg, Rheinland, Germany
Application September 18, 1939, Serial No. 295,526
In Germany September 17, 1938
4 Claims. (Cl. 19—65)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. An apparatus for progressively separating continuous grouped filaments comprising a frame, means for feeding grouped filaments through the apparatus, means for laterally separating the filaments as they are being fed



through the apparatus, means for carding the laterally separated filaments and means for stretching the laterally separated and carded filaments.

2,247,505
SEAL
Joseph H. Kohler, Calumet City, Ill.
Application January 13, 1939, Serial No. 250,731
2 Claims. (Cl. 286—8)

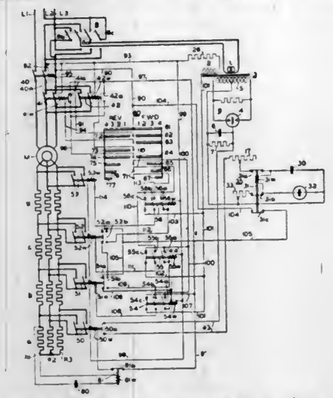


1. In a sealing means for a machine stuffing box on a rotatable shaft which sealing means comprises a stationary sealing member and a rotatable sealing member in end engagement, means for circulating a lubricant over portions of the opposed faces of said sealing members, said means comprising a segmental groove having an inlet and an outlet passageway in the stationary sealing member and a plurality of angularly disposed indentations in the face of the rotatable sealing member, the association of said groove and said angularly disposed indentations providing when the device is in operation centrifugal means for circulating a lubricant.

2,247,506
CONTROL SYSTEM FOR ELECTRIC TRANSLATING DEVICES
William J. Kutcher, East Cleveland, Ohio, and John D. Leitch, Manhasset, N. Y., assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 20, 1939, Serial No. 252,000
18 Claims. (Cl. 172—288)

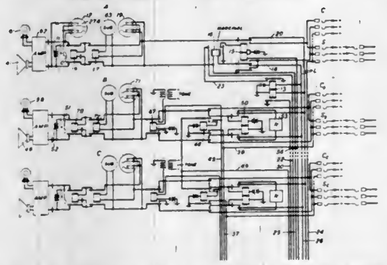
3. A control system for an electric motor comprising accelerating means for the motor, means to arrest for temporary periods the accelerating action of the accelerating means in different stages thereof, the arresting means including a control circuit adapted to be electrically associated with a motor circuit for energization thereby, a condenser, charging means for the condenser and connected to the condenser and to said control circuit in a manner to cause said

charging means to charge the condenser at a rate inversely related to the amount of current flowing to said motor when the control circuit is



electrically associated with said motor circuit, and means responsive to a predetermined charge on said condenser for operating said accelerating means.

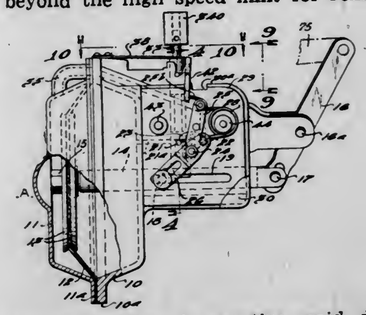
2,247,507
TELEPHONE SYSTEM
Edward H. Lanham, Notre Dame de Grace, Quebec, and Lee R. Waller, Montreal, Quebec, Canada, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 10, 1939, Serial No. 278,404
14 Claims. (Cl. 179—18)



1. In a combined automatic telephone exchange and loud-speaking intercommunicating system, a primary station having a loud-speaking telephone set including a call initiating key and a regular telephone set, an intercommunicating line, a link circuit extending to automatic switches at a central office, and means for discriminating between the use of said call initiating key and said regular telephone set at said primary station in originating a call, whereby a call originated at said primary station is automatically extended over said intercommunicating line or over said link circuit depending upon whether said call initiating key or said regular telephone set is employed in originating a call at said primary station.

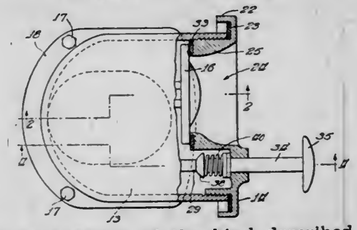
2,247,508
WINDSHIELD WIPER MECHANISM
Jack A. Lawler, Detroit, Mich., assignor to Marvel Equipment Corporation, Detroit, Mich., a corporation of Michigan
Application March 13, 1939, Serial No. 261,446
4 Claims. (Cl. 121—164)

1. In a wiping device, a movable wiping element having a substantially predetermined range of movement, a movable driving member operably connected to the wiping element, valve means comprising a plunger movable between substantially predetermined low and high speed limits to influence the speed of operation of the driving member and having an additional position beyond the high speed limit for rendering



the driving member inoperative, said driving member being adapted to cooperate with said plunger when the latter is placed in said additional position, yielding means urging the plunger toward the additional position, and manually operable means to enable said yielding means to move the plunger to the last said position when the driving member approaches a substantially predetermined position.

2,247,509
FILLER ATTACHMENT FOR GASOLINE TANKS
William A. Lebus, Chicago, Ill., assignor to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois
Application November 4, 1938, Serial No. 238,730
2 Claims. (Cl. 220—86)



1. A tank fitting of the kind described comprising a hollow cap member having one end closed, said member providing a port for insertion of a filler nozzle, a shaft oscillatable in said member, a valve disc operable by oscillation of the shaft to open and close said port, spring means yieldably maintaining the shaft in the closed position of the disc, an arm projecting laterally from said shaft, and a plunger rod projecting from the member having its inner end engaging said arm and operable to rotate the shaft from closed to open position of the disc.

2,247,510
PROCESS FOR THE MANUFACTURE OF BUILDING BLOCKS
Victor Lefebure, London, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application October 29, 1937, Serial No. 171,788
In Great Britain October 29, 1936
9 Claims. (Cl. 25—154)

1. A process for the manufacture of building

blocks which comprises filling a mould with unset calcium sulphate plaster and inserting into the unset plaster a sheet of pulp board folded substantially into a U shape about a temporary



support so that each limb of the U rests substantially parallel to and within half an inch of two opposing surfaces of the plaster and removing the temporary support before the plaster hardens.

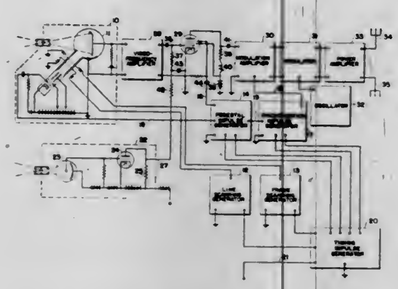
2,247,511

SIGNAL GENERATING SYSTEM

Harold M. Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application May 27, 1937, Serial No. 145,024

2 Claims. (Cl. 178—7.2)



1. In a television-transmitting system, a cathode-ray tube signal-generating system comprising means including a scanning system for effecting traces and retraces of the ray on the target of the tube for developing video-signal voltages, means for developing pedestal-signal voltages during retrace scanning periods, means for developing a separate aperiodic bias voltage having an amplitude varying solely in accordance with background-illumination, a vacuum-tube amplifier comprising a plurality of control electrodes and an output circuit, means for applying said video-signal voltages to one of said electrodes, means for applying said pedestal signals to one of said electrodes to reduce the conductance of said tube substantially to zero during periods corresponding to said retrace scanning periods, and means for applying said background-illumination voltage as a bias to said first one of said control electrodes to adjust the zero axis of the wave applied to said amplifier, thereby to develop in said output circuit a composite signal including said video-signal and background-illumination voltages.

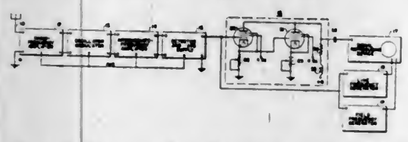
2,247,512

TELEVISION VIDEO-FREQUENCY SIGNAL-TRANSLATING SYSTEM

Harold M. Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application August 31, 1938, Serial No. 227,629

10 Claims. (Cl. 178—7.3)



1. A television video-frequency signal-translating channel comprising, a pair of vacuum-tube amplifiers, an input circuit for one of said amplifiers including an unbiased cathode resistor, an input circuit for the other of said tubes connected across said resistor, said tubes having mutual conductance characteristics and being so biased that said one tube repeats the signal input thereto over its entire amplitude range and said other tube repeats the signal input thereto over only a part of its amplitude range, means for adjusting said resistor simultaneously to adjust the negative regeneration of the first of said tubes and the signal input of the second of said tubes, and a common anode circuit for said amplifiers.

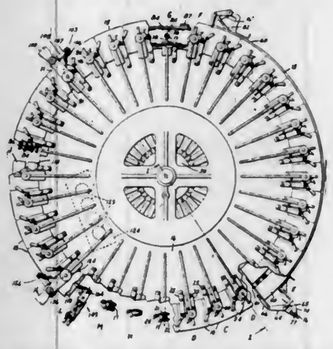
2,247,513

EXHAUSTING MACHINE

Anthony J. Marshaus, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application November 9, 1939, Serial No. 303,639

8 Claims. (Cl. 176—2)



1. Apparatus for exhausting and gas filling an electric discharge device comprising a plurality of heads each including an exhaust port for receiving and making a gas-tight connection to an exhaust tube extending from the device, a dispenser mounted on said exhaust port of each of said heads and arranged to introduce a quantity of vaporizable material therein, a carrier for supporting said heads and advancing the devices through a plurality of stations in turn, valving means connected to said exhaust port and adjusted by movements of said carrier for making the exhausting and gas filling connections thereto while said device moves from station to station, and means at one of the stations for operating said dispenser to cause a quantity of the vaporizable material to be discharged into said port and pass into the device.

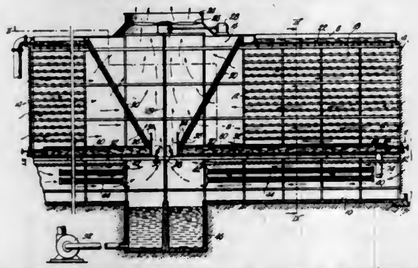
2,247,514

CENTER VENT DOUBLE FLOW COIL TOWER

Leon T. Mart, Mission Township, Johnson County, Kans., assignor to The Marley Company, Kansas City, Kans., a corporation of Missouri

Application July 22, 1940, Serial No. 346,765

10 Claims. (Cl. 261—11)



1. In a cooling tower of the character described, a casing formed with a discharge chamber and having the top, bottom and sides thereof closed to form a horizontal air guiding conduit in communication with the discharge chamber; water distributing means for discharging water at the top of the conduit for gravitating downwardly therethrough; a fan in the discharge chamber for forcibly propelling air through the conduit; a water collecting tray vertically spaced above the bottom of the conduit, provided with downwardly directed openings and setting off an upper and lower compartment in the conduit; a water collecting basin at the bottom of said conduit; condenser tubes arranged in horizontally spaced apart banks in the lower compartment spaced above the water in said collecting basin and below said tray to be wetted by the water falling from the tray to the basin; and a pump for returning water from the basin to the said water distributing means at the top of the conduit said openings in the tray being arranged in groups above each bank of condenser tubes respectively, each of said groups of openings having means for controlling the flow of water through all the openings thereof.

2,247,515

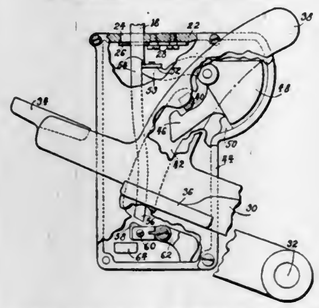
SAFETY DEVICE FOR PRESSES AND THE LIKE

Wilfrid Thomas Minett, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application February 20, 1939, Serial No. 257,431

In Great Britain May 12, 1938

5 Claims. (Cl. 192—129)



1. A safety device for presses and the like comprising a starting treadle, means for locking said treadle in inoperative position, manually operated means for releasing said locking means, and means for holding said releasing means out of cooperative relation to the locking means, from the time the releasing means is operated, until the latter is returned to its initial position.

2,247,516

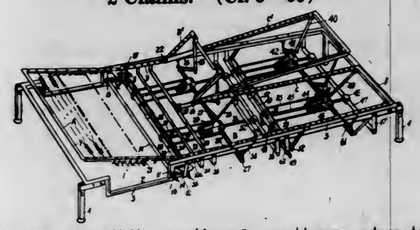
SECTIONAL MATTRESS

Jane Loudon Walker Murray, Edinburgh, Scotland

Application July 27, 1938, Serial No. 221,500

In Great Britain August 23, 1937

2 Claims. (Cl. 5—69)



1. An invalid's sectional mattress structure comprising an outer rectangular frame, a mattress made in sections adapted to rest horizontally in and to fill said frame, said mattress sections including a trunk section hinged at one end to said frame intermediate the length thereof so as to occupy a portion of said frame, twin leg-rest sections disposed side by side and each independently hinged at one end to said frame to occupy another portion of said frame, the hinge of each leg-rest section being at the end of said section nearer the trunk section, independently adjustable winding mechanisms operable from the sides of the mattress for individually raising each of said sections into a position inclined to and above the outer frame, thereby to raise the leg-sections independently of one another and independently of the trunk section to an angle of less than 180 degrees to the latter, twin thigh-rest sections each overlapping and adapted to rest upon a portion of one of the leg-rest sections at the end thereof nearer the trunk section, each thigh rest section being hinged at its end nearer the trunk section and having its pivotal axis coincident with the pivotal axis of the underlying leg-rest section, and independently adjustable winding mechanism operable to raise each of said thigh-rest sections individually into an acutely inclined position relatively to its underlying thigh-rest section.

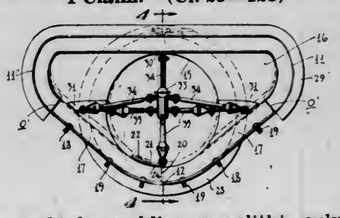
2,247,517

MOLD CORE

Irve E. Odendahl, Minneapolis, Minn., assignor to Elk River Concrete Products Company, Elk River, Minn., a corporation of Minnesota

Application March 9, 1940, Serial No. 323,221

1 Claim. (Cl. 25—128)



In a mold for molding monolithic culvert ter-

minals, a contractable shell-like mold core comprising a tubular portion and a trough-like apron portion extending from and forming an uninterrupted continuation of said tubular portion; said apron portion having a transversely relatively flat side that flares outwardly toward the free end of the apron portion and having two opposed outwardly diverging sides defining an opening therebetween in the side thereof opposite the said flat side and which opening flares toward the free end of the apron portion, and a slit extending longitudinally through the tubular end intersecting the apex portion of the flaring opening of said apron portion.

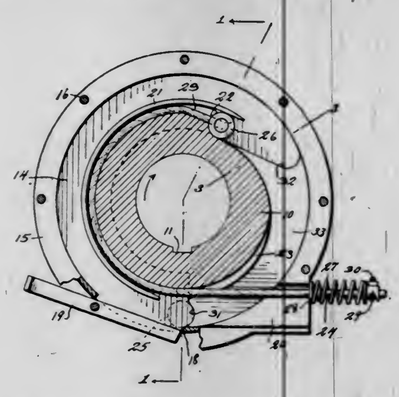
2,247,518

RECIPROCATING MEANS FOR CATHEADS

Frank M. Owen, Houston, Tex.

Substituted for abandoned application Serial No. 95,934, August 13, 1936. This application October 13, 1939, Serial No. 299,301

7 Claims. (Cl. 254—173)



1. A structure of the character described, including a sheave adapted to be mounted upon a shaft for rotation therewith and having a radially extending shoulder, the peripheral face of the sheave being circumferentially grooved, the bottom of the groove being in the form of a volute extending from the apex of the shoulder around the sheave to the base of the shoulder, a housing surrounding the sheave and mounted thereon and having a tangential passage at one point, a line extending into said passage and provided with a runner at its inner end, means urging said line outward, the side walls of the housing being formed with a seat for said runner and against which the runner engages when the line is fully retracted by the urging means, a lever pivoted on the housing and having its inner end engageable with the runner to shift it into the path of movement of the shoulder on the sheave whereby the line will be wound upon the sheave, tracks on the side walls of the housing extending outward and in the direction of rotation of the sheave, said tracks engageable with the runner to cause it to move outward out of the path of the shoulder, and guard flanges extending inward from the side walls of the housing and adjacent the flanged periphery of the sheave, said guard flanges extending from said tracks around the sheave nearly to the seat and acting to hold the line in its groove on the sheave and to act as a track for the runner upon the reverse movement of the runner after its release from the shoulder.

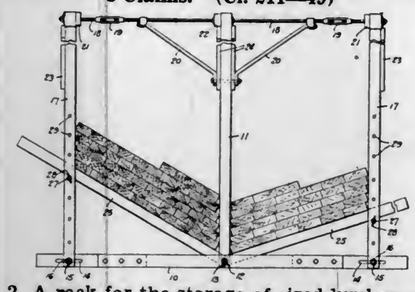
2,247,519

METHOD OF AND RACK FOR STORING LUMBER

Leland A. Pace, El Monte, Calif.

Application December 26, 1939, Serial No. 310,870

3 Claims. (Cl. 211—49)



2. A rack for the storage of sized lumber comprising: a plurality of vertical members arranged in pairs; a second plurality of vertical members spaced from the first said members; base members connecting the pluralities of members; upper members connecting the pluralities of members; bottom forming members spanning said pluralities of members and having one end projecting between said pairs of the latter; means pivotally mounting the other end of the bottom forming members; means for supporting said one end of the bottom forming members to dispose the latter at a precalculated angle for the purpose described; and means by which said pluralities of vertical members are rendered adjustable towards and away from each other to accommodate a predetermined number of pieces of lumber on the bottom forming members.

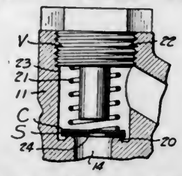
2,247,520

CHECK VALVE

Dewey M. Paxton, Los Angeles, Calif., assignor, by mesne assignments, to Curtis - Anti - Vapor Pumps, Inc., Los Angeles, Calif., a corporation of California

Application June 13, 1939, Serial No. 278,817

2 Claims. (Cl. 251—144)



1. In mechanism of the class described, a check valve comprising a cylindrical chamber having a port and an annular seat bounding same; a sealing element of yieldable material adapted for fluid sealing engagement with said seat and being of such diameter to be guided solely by the wall of the chamber and be maintained in radial directions thereby in a fluid-tight sealing relationship to said seat throughout its circumference, the minimum permissible diameter of the sealing element to maintain its aforestated relationship to the seat being greater than will prevent the sealing element when subjected to a normal temperature, from expanding radially into sticking engagement with the chamber wall; and means co-acting with the sealing element to permit the flow of fluid through said port and past the sealing element should the latter become stuck in the chamber from excessive temperature.

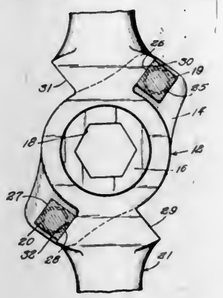
2,247,521

WRENCH

Bert H. Pierce, Oak Park, Ill.

Application March 11, 1939, Serial No. 261,295

2 Claims. (Cl. 81—53)



1. Apparatus of the character described for rotating a nut or similar piece, including: a wrench member adapted to non-rotatably engage the piece, the wrench member including a polygonal bar portion; a yoke member having a polygonal opening therein adapted to receive the bar portion, whereby the last mentioned member is slidably but non-rotatably mounted on the bar portion, said member having a continuous external round bearing surface, concentric with said polygonal opening, and a pair of shoulder portions spaced from said bearing surface each shoulder portion having two shoulder surfaces on opposite sides thereof; and a handle member having a continuous bearing portion journalled on said bearing surface for rotation about the yoke member through a given range only and having four stop surfaces, two of said stop surfaces being adapted to contact two cooperating shoulder surfaces at one end of said range and the other two stop surfaces being adapted to contact the other two shoulder surfaces at the other end of said range.

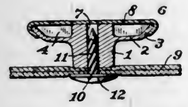
2,247,522

TACK BUTTON

Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut

Application April 15, 1939, Serial No. 268,072

1 Claim. (Cl. 24—101)



A metal button head of the tack-fastening type including a relatively thick central hub, a relatively thin shell forming the body portion and the said body portion formed integral with the hub and extending outwardly from the hub at a point remote from the upper end of the hub, said body portion also extending slightly upwardly to form a supporting peripheral rim, radiating ribs formed integral with the body portion, rim and hub, the upper edges of said ribs being coextensive with the upper edge of the said rim and the upper end of the hub extending slightly above the upper edges of the ribs to form a central support for a cap, a cap provided with insignia thereon fitting about said rim and also supported centrally by the aforementioned upper edge of said hub and held against being depressed by the upper edges of said ribs, and the hub being provided with a central bore.

2,247,523

PROCESS FOR REFINING PHENOLS

Friedrich Schick, Berlin-Dahlem, and Helmut Schramm, Berlin-Lichtenrade, Germany, assignors to the firm Deutsche Erdöl-Aktiengesellschaft, Berlin-Schoeneberg, Germany

No Drawing. Application April 15, 1938, Serial No. 202,218. In Germany April 27, 1937

15 Claims. (Cl. 260—627)

1. A process for refining phenols especially from oils, extracts and tarry liquors of lignite tar, from crude tar acids, and fractions thereof, which comprises first enriching the content of low boiling phenol fractions in the starting material, then extracting said material with an alkali metal hydroxide solution, hereafter treating the phenolate solution thus obtained with adsorbing means, and finally setting free the phenols from the remaining phenolate solution.

2,247,524

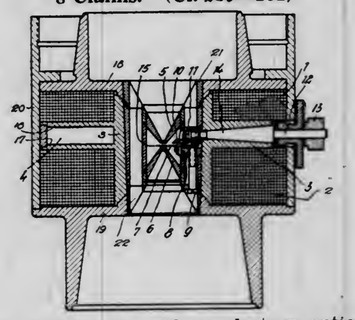
ELECTRONIC MICROSCOPE

Hans Schuchmann, Berlin-Spandau, and Ulrich Neubert, Brunswick, Germany, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung," Berlin, Germany, a corporation of Germany

Application December 27, 1939, Serial No. 311,132

In Germany November 5, 1938

8 Claims. (Cl. 250—161)



1. In combination with an electron-optical device for producing magnified images of objects by subjecting an electron beam to electron-optical lens fields, a magnetic lens structure having two pole pieces spaced from each other in the axial direction of the beam and provided each with an opening on the electron-optical axis for the passage of the beam, diaphragm means of adjustable aperture, said means being arranged between said spaced pole pieces, and adjusting means adjustable exteriorly of the electron-optical device and operatively connected with said diaphragm means for varying said aperture independent of the position of the object.

2,247,525

WATER INLET VALVE FOR TANKS

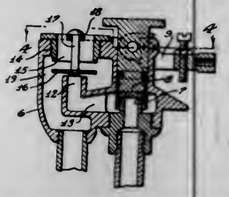
David Sherwood, Detroit, Mich., assignor to Sherwood Brass Works, Detroit, Mich., a corporation of Michigan

Application October 14, 1937, Serial No. 168,859

3 Claims. (Cl. 251—127)

1. In a device of the character described, a hol-

low valve body having an outlet chamber and having an air vent leading out of the upper end of said chamber to outside atmosphere, an inlet duct extending transversely into said chamber below said vent, said inlet duct turning upward within said chamber and having an opening directed upwardly toward and in spaced relation to said vent, a pressure responsive valve to control



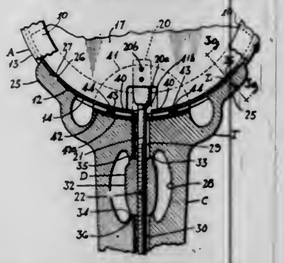
said vent and interposed between said inlet opening and said vent, a stem for said valve and extending vertically upward and projecting externally of said casing, means slidably receiving and guiding said stem, said means and said stem having cooperating stop means to limit downward movement of said valve to a position slightly spaced from and above said inlet.

2,247,526

FRAME AND HANDLE ASSEMBLAGE FOR MIRRORS, BRUSHES, AND OTHER DEVICES FORMING PARTS OF TOILET AND DRESSER SETS

William Steinen, South Orange, N. J.

Application April 7, 1939, Serial No. 266,497
2 Claims. (Cl. 88—102)



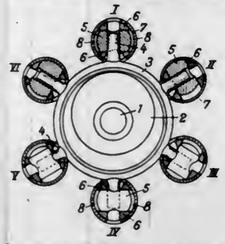
1. In a mirror, brush or similar construction, a frame and handle assemblage to receive a mirror or brush element comprising a split resilient sheet metal channel rim and U-shaped cross section constituting the periphery of the frame, a separate handle member having a throat portion connected to said frame at the split in said channel rim, a backing member having an enlarged portion of the same shape and outline as the mirror and back of the brush element, the edges of said mirror or brush element and said backing member being tightly held within said channel rim and between the side flanges and drawn tightly up and resiliently wedged between said side flanges, said handle member being provided with an axial bore adjacent the frame and said backing member being provided with a threaded extension extending into said bore, said handle member being laterally pierced and said piercing being provided with parallel upper and lower faces and an elongated nut member fitted into said piercing also having upper and lower parallel end faces closely abutting the faces of said piercing and threaded upon said threaded extension and serving to draw up said handle upon said frame.

2,247,527

SWASH-RING DRIVING MECHANISM

Hanns Heinz Stinnes, Berlin, Germany

Application November 10, 1939, Serial No. 303,916
In Germany November 21, 1938
3 Claims. (Cl. 74—60)



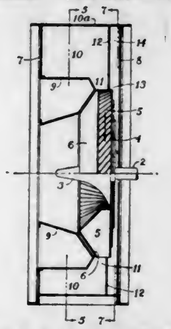
1. A swash-ring driving mechanism comprising a rotary oblique disc, a swash-ring rotatably mounted thereon, studs projecting from the ring, stationary cylinders arranged around the swash-ring with their axes parallel with the axis of rotation of the disc, pistons in the cylinders, cross heads on the pistons, transmission members provided on the studs all having lateral play in the cross heads all transmitting power between the studs and pistons, stationary abutment surfaces with which all the transmission members successively abut for determining the lateral play of the transmission members and diminishing the said lateral play in each direction from the central position of the transmission members to one-fourth of those total lateral movements which were produced by a stud which were displaced 90° relative to a rectilinear guided stud in a swash-ring driving mechanism which would have the same swash disc angle and ring diameter if there were a master stud provided with rectilinear guidance.

2,247,528

ROTARY DUST SEPARATOR

Stig G:Son Sylvan, Stockholm, Sweden, assignor to American Air Filter Company, Inc., Louisville, Ky., a corporation of Delaware

Application April 7, 1936, Serial No. 73,142
8 Claims. (Cl. 183—77)



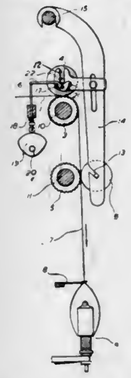
1. A device of the class described comprising: a housing having a volute chamber; an impeller rotatably mounted within said chamber to receive gas axially and discharge it more or less radially; and a partition dividing the chamber into a clean gas scroll and a dust-laden gas scroll, said partition being interposed between the housing and the periphery of the impeller in position to separate the clean from the dust-laden gas.

2,247,529

PRODUCTION FROM CONTINUOUS FILAMENTS OF YARNS EXHIBITING THE CHARACTERISTICS OF STAPLE FIBER YARNS

William Ivan Taylor, Leslie Brisbane Gibbins, and Alfred Herbert Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application July 29, 1937, Serial No. 156,298
In Great Britain August 6, 1936
14 Claims. (Cl. 19—1)



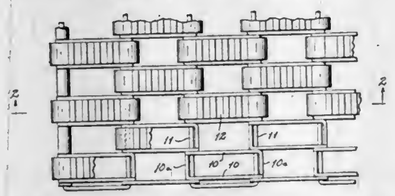
1. Method of converting a bundle of continuous filaments into a continuous product containing staple fibers, said method comprising passing a bundle of continuous filaments in sliding contact with a moving cutting surface, pressing said bundle against said cutting surface so as to cause filaments in the bundle to be severed and at frequent intervals to form staple fibers, and intermittently and at substantial intervals varying the cutting effect of said cutting surface whereby such severance of the filaments takes place only at said substantial intervals along the length of the continuous filament bundle, so that said bundle is converted into a continuous product that at substantial intervals along its length alternately consists of continuous filaments and contains staple fibers.

2,247,530

LINK MAT STRUCTURE AND PARTS THEREOF

Albert C. Thomas and Alfred V. McFerron, Cleveland, Ohio

Application June 8, 1939, Serial No. 278,872
5 Claims. (Cl. 20—78)



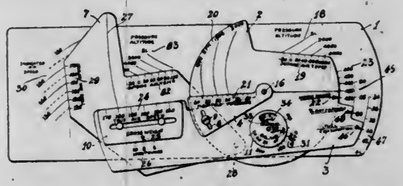
1. A foldable link mat structure, comprising a mat frame formed of rigid link members having transversely extending abutting portions, resilient tread members embracing the abutting portions of the link members and pivot rods extending through the link members and the tread members.

2,247,531

CALCULATOR

Arthur L. Thurston, Wantagh, and Beauregard Sweeney, Great Neck, N. Y.

Application August 29, 1939, Serial No. 292,380
23 Claims. (Cl. 235—61)



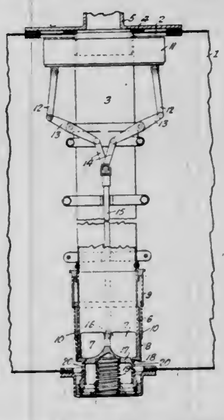
1. In a calculator, a first member having inscribed thereon a family of curves and a scale, a second member mounted on and movable relatively to said first member, said second member also having inscribed thereon a curve and a scale, said scale being adapted for cooperation with the curves inscribed on said first member, and a third member mounted on and movable relatively to said first member, said third member having markings inscribed thereon for cooperation with the curve inscribed on said second member and also an index for cooperation with said scale on said first member whereby when all of the aforesaid members occupy a particular position the markings thereon indicate the relationship between several factors of a given problem.

2,247,532

DELIVERY MECHANISM FOR DELIVERING LIQUID SUCH AS FUEL TO TANKS

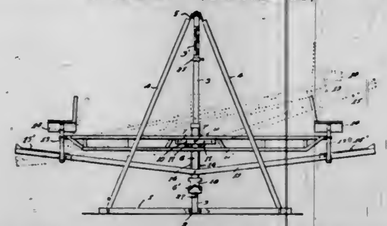
Edward James Tripp, Hillcroft, Stone Hill, Hanham, England, assignor to Flight Refuelling Limited, London, England

Application August 23, 1940, Serial No. 353,979
In Great Britain August 19, 1939
6 Claims. (Cl. 137—68)



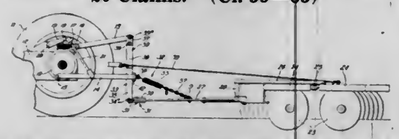
1. Delivery mechanism for delivering liquid to a tank comprising in combination with said tank a pipe extending downwards in said tank, a valve body constituted by a lower portion provided on said pipe and having a delivery outlet, a sleeve slidable over said valve body to cover and uncover said delivery outlet, a float surrounding an upper portion of said pipe, and a linkage system connecting said float to said sleeve so that said float and sleeve move in opposite directions.

2,247,533
AMUSEMENT APPARATUS
Frederick Cicero Twist, Weldon, Ill.
Application September 1, 1939, Serial No. 293,093
8 Claims. (Cl. 272—54)



1. In an amusement apparatus, a structure including an upright support, a second structure adapted for raising and lowering shifting movement with respect thereto, a teeter-board pivoted at its middle on the second named structure and maintained in a fixed vertical plane in its shifting movement with the latter, a pawl carried by said teeter-board at each side of the pivot point thereof, and a stepped portion carried by the first named structure with which the pawls alternately engage in the rocking movement of said teeter-board in either direction of shifting movement of said second structure.

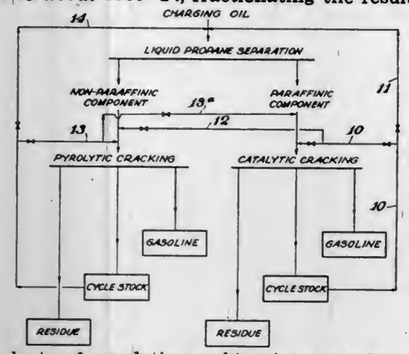
2,247,534
TRACTOR HITCH
Frederick von Schlegell, Pasadena, Calif.
Application November 30, 1939, Serial No. 306,906
20 Claims. (Cl. 55—83)



1. In combination, a tractor, a drawn implement unsupported by the tractor so that its weight is imposed on the ground, a draft tongue for the implement pivotally connected at its forward part with the tractor and a resilient coupling between the tractor and the tongue urging the tongue to swing upwardly about its point of pivotal connection with the tractor to exert a lifting force on the implement and a downward force on the tractor.

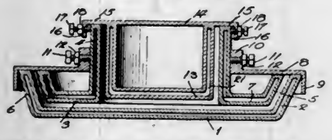
2,247,535
PROCESS FOR THE TREATMENT OF HYDROCARBON OIL
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 16, 1937, Serial No. 148,555
3 Claims. (Cl. 196—13)

3. In the process of converting heavy hydrocarbon oils into gasoline wherein said oils are subjected at an elevated temperature to the action of a solid cracking catalyst, wherein the activity of said catalyst is progressively diminished by the deposition of carbonaceous material thereon, the improvement comprising initially subjecting said heavy hydrocarbon oil to separation by a liquefied normally gaseous hydrocarbon into a soluble and an insoluble fraction, subjecting said soluble fraction to the action of said solid catalyst at a temperature above about 750° F., subsequently fractionating the resulting products into gasoline and a heavier than gasoline fraction, subjecting said insoluble fraction to pyrolytic cracking substantially without catalysts at a temperature in the range of about 800 to about 1000° F., fractionating the resulting



products of pyrolytic cracking into gasoline and a heavier than gasoline fraction, and recycling the heavier than gasoline fraction from both the catalytic and pyrolytic cracking operations directly to the pyrolytic cracking operation for further conversion into gasoline therein.

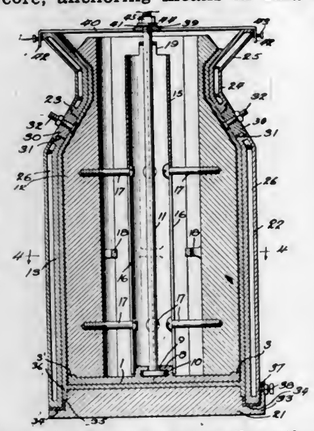
2,247,536
APPARATUS FOR FORMING SEAMLESS MILK CAN COVERS
Calvin C. Warren, Rochester, N. Y., assignor of one-fourth to Ronald G. Saunders and one-half to J. Arthur Jennings, both of Irondequoit, N. Y.
Application June 6, 1940, Serial No. 339,185
4 Claims. (Cl. 22—113)



1. Apparatus for molding seamless container covers comprising an outer pan-like receiving section having a bottom and upstanding marginal walls, an annular inner section fitting into the outer section and having an upstanding annular wall surrounded by the wall of the outer section and an annular sleeve extending upwardly about its inner periphery, an annular disc resting upon the upper edge of the wall of the outer section, an upstanding collar about the inner periphery of said disc fitting snugly about said sleeve, means carried by said collar for engaging the sleeve and supporting the inner section in spaced relation to the outer section with the upper edge of its wall in contact with the under face of the disc, and a core removably mounted in said sleeve in spaced relation to the sleeve and the bottom of the outer section.

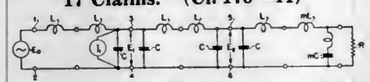
2,247,537
APPARATUS FOR MOLDING SEAMLESS HOLLOW OBJECTS
Calvin C. Warren, Rochester, N. Y., assignor of one-fourth to Ronald G. Saunders and one-half to J. Arthur Jennings, both of Irondequoit, N. Y.
Application June 6, 1940, Serial No. 339,186
5 Claims. (Cl. 22—152)

1. Molding apparatus for forming seamless hollow objects which comprises an inner hollow core, and an outer shell, each consisting of a base and an annular wall formed of segmental sections having side edge faces in face to face engagement with each other, a rod extending longitudinally in said core axially thereof and having its lower end detachably connected with the base of the core, a sleeve surrounding the rod in concentric spaced relation to the rod and the wall of the core, anchoring means in said core ex-



tending inwardly from the wall sections of the core radially thereof and detachably engaging the sleeve to releasably hold the wall sections in assembled relation to each other, a support over said core detachably carried by the outer shell, and means for adjustably suspending said rod from said support and shifting the rod longitudinally in the core to dispose the core in predetermined spaced relation to the base and walls of the shell.

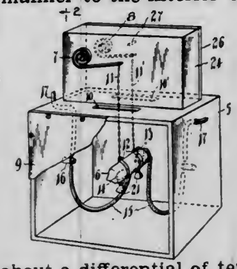
2,247,538
DEAD-END FILTER CIRCUIT
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application January 11, 1940, Serial No. 313,360
17 Claims. (Cl. 178—44)



1. A coupling network comprising, a dead-end filter including an arm of series type and an arm of shunt type adjacent each other and remote from said dead end, one of said arms being coupled in the circuit of said filter in the manner which is normal for arms of its type and the other of said arms being an arm of a full-filter section and comprising a reactive element coupled in the circuit of said filter in the same manner as said one of said arms, and input and output circuits so coupled with said filter that the transfer characteristic of said filter between said circuits varies substantially as the first power of the frequency over the pass band of said filter.

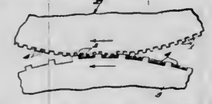
2,247,539
AUTOMATIC FIRE ALARM
Edwin Winfield, Willowdale, Ontario, Canada
Application February 6, 1939, Serial No. 254,773
6 Claims. (Cl. 200—138)

1. A thermostat quick change temperature detector for operating alarms, comprising a casing having a vertical chamber of which the walls thereof are composed of heat insulating material, said chamber being closed to the ambient atmosphere with the exception of a restricted passage at the base portion communicating with the ambient atmosphere for admittance of heat to the interior in upward direction by convection current, said passage being so proportioned that an abrupt change in temperature is communicated in retarded manner to the interior of the chamber



to bring about a differential of temperatures between that of the chamber and that of the exterior atmosphere, a pair of heat responsive agents operably supported on the casing aforesaid, one of which is freely exposed to the ambient atmosphere outside of said chamber and the other of which is disposed in said chamber free of the walls thereof, and a mercury contactor tube disposed below said chamber and tiltably suspended by the heat responsive agents and operable thereby with quick temperature change.

2,247,540
METHOD AND MEANS FOR TRANSFERRING LIQUID OR SOFT INK VALUES
Francisco G. Yanes, New York, N. Y.
Application February 14, 1940, Serial No. 318,818
4 Claims. (Cl. 101—170)



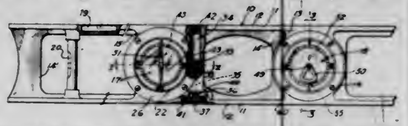
1. For the transferring of fluid ink values, a rubber transferring element consisting of a body provided on its surface with a plurality of substantially uniform thin walled gravure cells, the thin walls separating the cells being also of rubber and forming part of said body.

4. The method of transferring soft ink values on a blank without smearing the ink and without resorting to the usual strong pressure, which consists in picking up said values in a resilient and durable body having a surface formed by substantially uniform cells separated by minute walls also durable and resilient, and then applying the cellular value-carrying-body against a blank with just the light pressure required to force the fluid ink out of the cells, the walls of the same when contacting the blank bottling the values and preventing the smearing of the soft ink.

2,247,541
CONSTRUCTOR'S LEVEL AND GAUGE
Harold A. Adams, Bakersfield, Calif., assignor of one-half to E. Roscoe Arnold, Bakersfield, Calif.
Application November 13, 1939, Serial No. 304,113
4 Claims. (Cl. 33—222)

1. In a combination constructor's gauge of the character described, the combination of: a bar

element having top, bottom and side faces, there being a recess leading down into said bar element from the top face thereof and an opening leading in from one of said side faces thereof to meet a side portion of said recess; a compass element disposed in said recess so as to rotate on an axis perpendicular to said top face, said compass element having a peripheral worm gear, a dial in



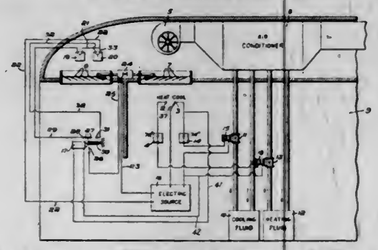
said casing and a compass needle pivotally mounted in said casing so as to traverse said dial; and a screw element in said opening to engage said worm gear, said screw element having a manually engageable portion placed so that at least a part thereof will be exposed for manual engagement whereby screw element may be rotated so as to turn said casing and said dial relative to said bar element.

2,247,542

THERMOSTATIC AIR CONDITIONING CONTROL

Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass.

Application February 15, 1939, Serial No. 256,467
2 Claims. (Cl. 257—3)



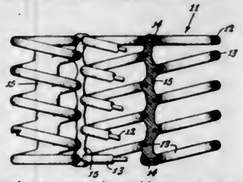
1. An air conditioning system including a heat exchanger, means for supplying outdoor air and recirculated air to said exchanger, cooling means for supplying a cooling fluid to said exchanger, heating means for supplying a heating fluid to said exchanger, means including a first indoor thermostat for adjusting said cooling means, means including a second indoor thermostat for adjusting said heating means, a seasonal control for rendering one of said thermostats ineffective and the other effective, dampers in said first mentioned means, means including a first wet bulb thermostat exposed to outdoor air for adjusting said dampers to increase the proportion of outdoor air to said exchanger when the wet bulb temperature is below a predetermined point and to decrease the proportion of outdoor air to said exchanger when the outdoor wet bulb temperature is above said point, means for rendering said wet bulb thermostat effective when said first indoor thermostat has been rendered effective by said control, means including a second wet bulb thermostat exposed to outdoor air for adjusting said dampers to increase the proportion of outdoor air to said exchanger when the wet bulb temperature of the outdoor air is above a predetermined lower temperature and for decreasing the proportion of outdoor air to said exchanger when the wet bulb temperature of the outdoor air is below said lower predetermined temperature, and means for rendering said second wet bulb thermostat effective and for rendering said first wet bulb thermostat ineffective when said control has rendered said second indoor thermostat effective.

2,247,543

RUBBERIZED SPRING CONSTRUCTION

Samuel S. Bernstein, Los Angeles, Calif.

Application June 9, 1939, Serial No. 278,244
2 Claims. (Cl. 5—254)



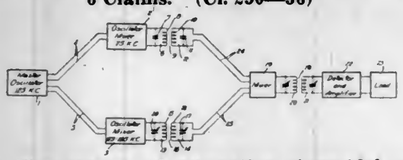
1. In a spring construction, a group of coil springs in which the individual springs are arranged in side by side relation, a coating of rubber covering the individual convolutions of said springs, said rubber extending to the convolutions of adjacent springs in the region where adjacent springs are in proximity and forming columns at said regions whereby said springs are joined together.

2,247,544

APPARATUS AND PROCESS FOR GENERATING SINUSOIDAL CURRENTS

Harold C. Daily, Monterey Park, Calif.

Application November 29, 1938, Serial No. 242,961
6 Claims. (Cl. 250—36)



1. The process of generating sinusoidal currents of any desired frequency within the audible range, which comprises generating master oscillations at a fixed frequency, generating oscillations at fixed frequency differing from the frequency of the master oscillations by an amount substantially greater than the desired frequency, generating oscillations at an adjustable frequency and differing in an opposite sense from the frequency of the master oscillations and by an amount substantially greater than the desired frequency, independently, combining the master oscillations and the oscillations at fixed frequency to obtain fixed beat frequency oscillations, combining the master oscillations and the oscillations of adjustable frequency to obtain adjustable beat frequency oscillations, differing by a desired amount from the fixed beat frequency, and combining the two beat frequency oscillations to produce an adjustable resultant beat frequency of oscillations at the desired value.

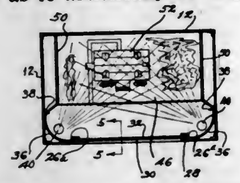
2,247,545

DISPLAY APPARATUS

James Deck, Los Angeles, and Harry Grundstrom, North Hollywood, Calif.

Application July 29, 1938, Serial No. 221,996
1 Claim. (Cl. 40—132)

A display apparatus comprising a housing structure having a translucent mirror forming a substantial portion of one side of said structure, a space within said housing to receive an article for display therein and a shield placed rearwardly of and along the sides of the article on display and in harmony with the theme thereof so as to artistically develop the display,



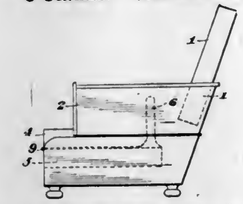
and elongated concave reflectors positioned forwardly and laterally of the display to diffuse light of substantial equal intensity over the whole of the display, and means to illuminate the interior of said housing.

2,247,546

CONVERTIBLE BEDCHAIR

Guy W. Donoho, Brookline, Mass.

Application January 16, 1939, Serial No. 251,251
3 Claims. (Cl. 155—49)



1. In a convertible bed-chair, in combination, a base, arm rests supported upon said base and pivoted along their rear bottom edges to said base for rearward pivotal movement into position rearwardly of said base and in horizontal alignment therewith, means releasably securing said arm rests to said base against rearward pivotal movement; a back rest, sockets in said arm rests removably receiving said back rest; a seat cushion, pivoted along its rear bottom edge to said base for upward pivotal movement, and interengageable means on said seat cushion and said base forwardly of said seat pivot for maintaining said seat cushion in horizontal relation upon said base; a foot rest, inverted within the bottom of said base, and pivoted to the forward bottom edge of said seat cushion for forward pivotal movement into position forwardly of said seat cushion; means on said foot rest for supporting said foot rest above the floor in horizontal alignment with said seat cushion when extended into position forwardly of said seat cushion; said back rest being removed from said arm rests and supported upon the inverted arm rests when said arm rests are moved into rearward position to form a portion of a bed in alignment with said seat.

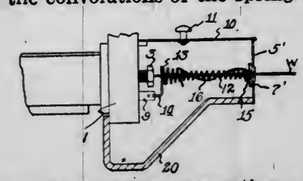
2,247,547

WIPER FOR COATING MACHINES

Richard L. Fearn, Rockville, Md., assignor to Syncro Machine Company, Rahway, N. J., a corporation of New Jersey

Original application January 19, 1939, Serial No. 251,759. Divided and this application August 2, 1939, Serial No. 287,982
4 Claims. (Cl. 91—59.4)

2. In a device for wiping a coated strand, the combination including a support, a coiled spring mounted on said support to form a passage through which the strand may be moved in contact with the convolutions of the spring forming



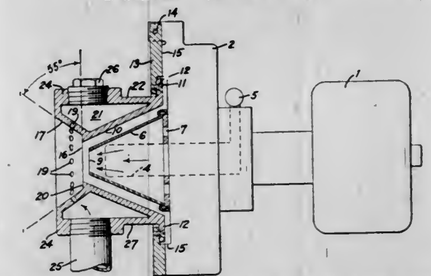
the passage, and means cooperating with one end of the spring by which it may be adjusted to vary the diameter of the passage therethrough.

2,247,548

OIL BURNER ADAPTER

Percy M. Forster, Berkeley, Calif.

Application February 3, 1939, Serial No. 254,449
1 Claim. (Cl. 158—99)



A Venturi-type forced draft burner head comprising an annular burner body having a truncated conical throat therein with the truncated end of the throat provided with an annular planar outer face normal to the axis of the throat, a truncated conical primary air nozzle of less diameter than said throat within and co-extensive with the latter providing an annular secondary air passage therebetween, an end of said truncated conical nozzle terminating inwardly of said planar face to provide a Venturi passage for the secondary air, said burner body having an oppositely flaring truncated conical burner face with the truncated end thereof joined to the periphery of said annular planar face, said conical burner face having burner apertures axially spaced from said planar face providing an annular expansion chamber for said secondary air between said inlet apertures and said truncated end of the primary air nozzle.

2,247,549

VACUUM CLEANER

John Frederick, New York, N. Y.

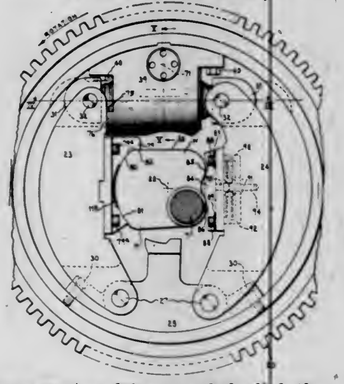
Original application November 4, 1937, Serial No. 172,667. Divided and this application December 12, 1939, Serial No. 308,765
2 Claims. (Cl. 15—4)



1. In a vacuum cleaner, a casing having a shallow projecting front portion of substantially uniform thickness, a downwardly facing suction inlet formed in the bottom of said front portion

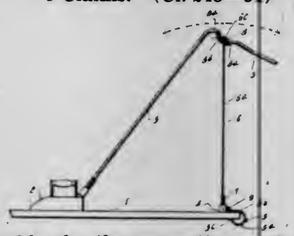
and at the forward end thereof, said shallow front portion adapted to be applied directly to and moved over the surface to be cleaned, the height of said front portion being such as to permit it to be passed under relatively low furniture, an upwardly facing suction inlet formed in the top of said shallow front portion and within the confines of said front portion, and a mop cleaning grid covering said upwardly facing suction inlet.

2,247,550
CRANKSHAFT CHUCK
William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application January 2, 1940, Serial No. 312,066
17 Claims. (Cl. 82—40)



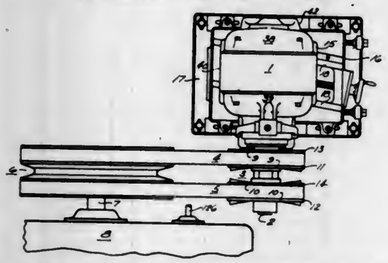
1. In a center drive crankshaft lathe, centers for supporting the ends of the crankshaft in prelocated axial position in the lathe, a center drive ring gear rotatably mounted intermediate said centers, chucking mechanism in said ring gear comprising a movable abutment member adapted to be moved to a predetermined position relative to the axis of rotation of said lathe, arcuate abutment surfaces on said abutment member adapted to engage a premachined peripheral locating surface on the web of said crankshaft, a driving abutment associated with said arcuate abutment for rotating said crankshaft by the rotation of said ring gear, and clamping means associated with said abutment means to effect proper positioning of said crankshaft on said abutment means while maintaining it accurately on the axis of rotation of said lathe.

2,247,551
SUPPORT FOR CONNECTION CORDS OF ELECTRIC IRONS
Edward S. Halsey, North Miami, Fla.
Application November 24, 1939, Serial No. 305,970
5 Claims. (Cl. 248—51)



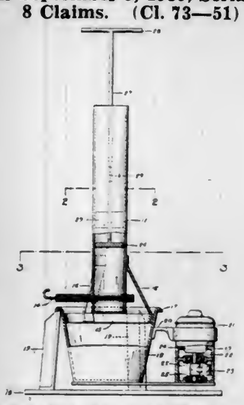
1. A holder for the connecting cord of an electric iron comprising a horizontal base, a substantially parallel pair of distantly separated helical retrieving springs projecting perpendicularly from said base with their base ends rigidly fixed thereto, an upwardly projected arm having upwardy converging side members connected together at their upper ends and having their lower ends securely fixed to the two projecting ends of said springs, means for connecting the cord to the upper end of said arm, and a clamp fixed to said base for securing the base to an ironing board.

2,247,552
MULTIPLE BELT VARIABLE SPEED DRIVE SYSTEM
Don Heyer, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., a corporation of California
Application November 12, 1934, Serial No. 752,657
12 Claims. (Cl. 74—230.17)



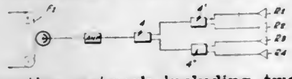
1. In a multiple belt adjustable speed drive having a plurality of belts in active driving relation to a pair of multiple belt pulleys, one of said multiple belt pulleys including a plurality of coaxial adjustable diameter pulley structures, each of said pulley structures having a pair of pulley sections with opposed inclined faces forming by relative axial adjustment variable effective pulley diameters, and the center distance between the axes of said multiple belt pulleys being adjustable, the combination therewith of means for adjusting the center distance between the axes of said pulleys and for adjusting the relative axial position of the pulley sections forming each of said adjustable pulley structures, and supplementary means for simultaneously adjusting the relative axial position of the pulley sections of each of said adjustable pulley structures to accommodate belts of various widths.

2,247,553
CONCRETE TESTING APPARATUS
George W. Hutchinson, Raleigh, N. C.
Application September 5, 1939, Serial No. 293,344
8 Claims. (Cl. 73—51)



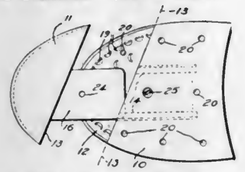
1. An apparatus for measuring properties of unset concrete comprising an elongated discharge hopper of substantially uniform cross-section, gate means for closing and opening said hopper near its lower end, means for supporting said hopper so that concrete therein may be discharged freely through said gate means, and means for vibrating said hopper.

2,247,554
METHOD OF RECORDING AND REPRODUCTION OF SOUND AND APPARATUS THEREFOR
William E. Garity and John N. A. Hawkins, Los Angeles, Calif., assignors to Walt Disney Productions, Los Angeles, Calif., a corporation of California
Application April 12, 1939, Serial No. 267,416
23 Claims. (Cl. 179—100.3)



1. A junction network including two branch legs and a common leg, an attenuator in each branch leg, said two attenuators being connected to a common ground, each of said attenuators having a series of contacts, the attenuation increment between contacts at the high loss end of the series being greater than and different from the attenuation increment between contacts at the low loss end of the series, a movable element cooperating with a series of contacts on each attenuator, each of said movable elements being connected to a branch leg, said movable elements being operably associated to vary inversely, the attenuation increments of said attenuators and the association of said movable elements being correlated so as to produce a substantially constant total attenuation, expressed as sum of power ratios, along the series of contacts.

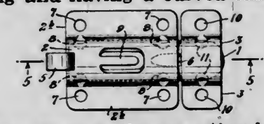
2,247,555
REMOVABLE WEARING SURFACE FOR RUBBER HEELS
Frederick A. W. Kelley, Pawtucket, R. I.
Application January 23, 1940, Serial No. 315,178
3 Claims. (Cl. 36—36)



1. An improved rubber heel comprising in combination, a fixed front portion having a rigid member imbedded therein with a slideway formed therefrom, a removable back portion having a rigid tongue member engaging in said slideway, means for locking said portions together.

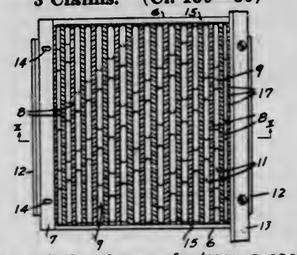
2,247,556
DOOR BOLT
Platon Lazarides, New York, N. Y.
Application August 9, 1938, Serial No. 223,795
3 Claims. (Cl. 292—152)

1. In a door bolt, the combination of a casing and bolt made of sheet metal, the casing having a semi-cylindrical body and laterally projecting fastening flanges, a tongue forming a pressure spring and detent integral with said body, and lugs integral with the body to form bearings for the bolt, and the bolt shaped into semi-cylindrical form enclosed by and having a sliding fit within the casing and having a curved leading edge, a



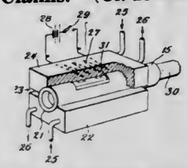
tail piece to serve as the operating knob, and an indentation positioned for engagement by said tongue to check withdrawal of the bolt from the casing.

2,247,557
PEANUT SHELLING GRATE
Clarence R. Medley, Columbus, Ga.
Application January 20, 1939, Serial No. 251,991
3 Claims. (Cl. 130—30)



1. As an article of manufacture, a cast concave grate section adapted to form a segment of the shelling concave for peanut shelling machines and the like, comprising marginal side and end walls forming a frame, spaced parallel ribs connecting the end walls and arranged with their upper edges forming a concave, diamond shaped abrading shoulders defined by grooves extending diagonally from edge to edge across the upper face of said ribs, and webs connecting adjacent ribs and lying below the surface level of said abrading shoulders in parallel rows diagonally across the grate ribs and being reinforced by diagonal bottom brace ribs tied to the frame sides, the walls, ribs, and webs being relatively disposed and shaped to provide draft for casting the grate section and to form outwardly flaring openings for the escape of shelled kernels, which openings at their smaller intake ends are restricted to a size not materially wider than is requisite for the free escape therethrough of the kernels as soon as shelled.

2,247,558
METHOD OF INLAYING
Edgar B. Nichols, Moorestown, N. J.
Application May 12, 1937, Serial No. 142,174
5 Claims. (Cl. 18—59)



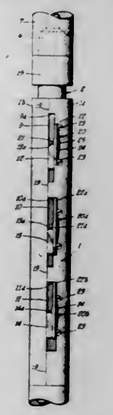
2. The method of securing an inlay to a member of normally hard, plastic material which comprises forming anchoring means on said inlay, placing said inlay against said member with said anchoring means in contact with said member, applying sufficient heat to said member only locally in the vicinity of said inlay to cause said

member to soften in said vicinity, pressing said inlay into the softened portion of said member to cause said anchoring means to become embedded therein, and finally cooling said member to restore it to hardened condition whereby said inlay becomes anchored to said member.

2,247,559
WIPING SOLDER
George S. Phipps, Chatham, and Earle E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 10, 1940, Serial No. 356,193
6 Claims. (Cl. 75—166)

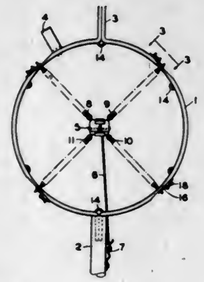
1. A wiping solder containing an amount of tin between about 30 per cent and about 40 per cent by weight, an amount of arsenic between about .02 per cent and about .15 per cent by weight, an appreciable amount of antimony less than about .5 per cent and the remainder lead, together with incidental impurities.

2,247,560
JAR
John T. Phipps, Huntington Park, Calif., assignor to S. R. Bowen Co., Huntington Park, Calif., a corporation of California
Application May 27, 1940, Serial No. 337,434
8 Claims. (Cl. 255—27)



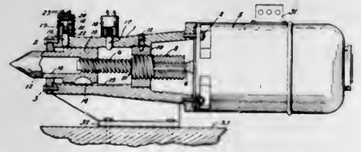
1. In a jar construction, the combination of a shell member and a mandrel member telescopically assembled together for longitudinal movement relative to each other between a contracted and an extended position, a plurality of radially disposed slots formed through the walls of said shell members and elongated in the direction of the longitudinal axis of said shell member, splines formed on said mandrel member and extending radially therefrom through said slots, said splines having a width substantially equal to the width of said slots to prevent relative rotary movement between said shell and said mandrel members and said splines having a length disposed longitudinally of said slots of less than the length of said slots to permit relative longitudinal movement between said mandrel and shell members before abutment of said splines with the ends of said slots may occur; and friction release means associated with each of said slots and extending into said slots to engage said splines when said splines are spaced away from the abutment ends of said slots to hold said splines out of abutting relation with said ends of said slots until a longitudinal strain is exerted between said mandrel and said shell member sufficient to overcome said friction release means.

2,247,561
APPARATUS FOR CASTING
Sidney M. Rowe, Montgomery, Ala., assignor of forty per cent to Floyd H. Mooneyham, Montgomery, Ala.
Application April 21, 1939, Serial No. 269,222
16 Claims. (Cl. 43—19)



1. Apparatus of the class described comprising a support, a container for bait, a rod including a fishing line, said fishing line having one end attached to said rod and the other end attached to said bait, means for holding said rod on said support, resilient means having one end attached to said support and the other end attached to said container, said container being adapted to be moved against the tension of said resilient means to provide a potential force which hurls the bait from said container upon release of the container.

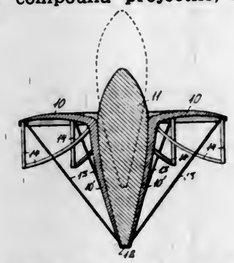
2,247,562
THRUSTER
Louis J. Santen, Bellevue, Ky., assignor to The B. A. Wesche Electric Company, Cincinnati, Ohio, a corporation of Ohio
Application May 28, 1940, Serial No. 337,687
9 Claims. (Cl. 74—59)



1. A thruster comprising a housing, a shaft in the housing having one section of its outer surface of relatively great diameter and formed with a relatively slow thread and another section of said surface of relatively smaller diameter formed with a relatively fast thread, a fixed block in the housing and threadedly engaging said larger section, a thrust member mounted for slidable nonrotatable movement inwardly and outwardly of said housing and threadedly engaged by said smaller shaft section, and means applying reciprocatory motion to said larger shaft section to effect said inward and outward movement of the thrust member and at an increased power ratio, by virtue of said thread differentials.

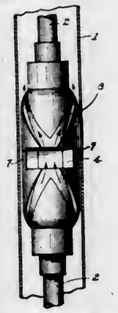
2,247,563
PROJECTILE
Robert S. Spalding, Denver, Colo.
Application October 18, 1939, Serial No. 300,039
4 Claims. (Cl. 102—40)

1. In a compound projectile, a rearwardly-



tapered bullet and a carrier in separable association therewith, said carrier comprising, in a unitary assembly, a circular web, an integral, axially-disposed, retroceding socket opening forwardly through said web and adapted to receive and seat the tapered rear portion of a bullet, tension members fixedly engaging between points on the margin of said web and the rearward end of said socket, and stays fixed to and extending rearwardly from said web margin in parallel relation with the web axis.

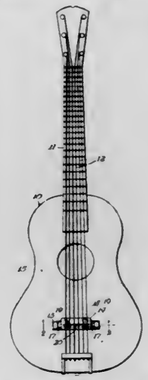
2,247,564
COUPLING PROTECTOR
Percy R. Turner, Fort Worth, Tex.
Application July 18, 1938, Serial No. 219,868
2 Claims. (Cl. 308—4)



2. A protector comprising a substantially cylindrical-shaped body to encase a pump rod coupler, said body having opposed ends of conical formation, opposed sides of the intermediate portion of said body having cut out portions to provide wrench-engaging faces for the coupler, the other opposed sides of said body presenting web portions for uniting said upper and lower conical ends, and each end portion having spiral pitch grooves extending from one end to the cut out portion whereby the grooves of one end will terminate adjacent the grooves of the other end.

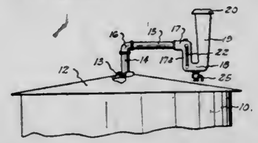
2,247,565
BRIDGE FOR STRINGED MUSICAL INSTRUMENTS
Charles W. Wagner, Chicago, Ill.
Application October 17, 1940, Serial No. 361,469
4 Claims. (Cl. 84—299)

1. In a bridge for stringed musical instruments, a base, and a top bar separate from, mounted upon and unanchored with respect to the said base and slidable across the base, the strings of the instrument constituting the sole means for main-



taining the top bar for free sliding movement across said base, said bar being free from operating attachments.

2,247,566
FLUID TRAP FOR STORAGE TANKS
David H. Walton, Hobbs, N. Mex.
Application September 29, 1938, Serial No. 232,285
2 Claims. (Cl. 220—85)



1. A gas trap including, a one piece housing angular in cross-section having an upright chamber connected with a fluid line and having a second upright chamber which has its lower end communicating with the lower end of the first chamber, the chambers being adapted to receive a liquid which finds its level in the chambers to act as a seal to prevent passage of fluid through the housing, the second chamber being of a larger cross-sectional area than the first chamber and being flared toward its upper end which is open to atmosphere, and a plurality of baffles secured to the inner wall of the second chamber and extending inwardly toward the center thereof, said baffles having their inner ends inclined upwardly so as to conduct liquids falling thereon toward the wall of the chamber and away from the center thereof.

2,247,567
MANICURING INSTRUMENT
Raymond J. Wendell, Denver, Colo.
Application November 17, 1939, Serial No. 304,905
4 Claims. (Cl. 132—76.4)



1. A manicuring instrument comprising a flat metal disk having its periphery provided with a

circular notch whose edge is file cut, the file cut surface being substantially perpendicular to the plane of the disk at the center of the notch and gradually increasingly inclined thereto to both sides of the center, and a flange extending outwardly along one side of the file cut edge, said flange having the surface adjacent the file cut edge and its outer edge smooth, the flange serving as a guide and depth limit gauge.

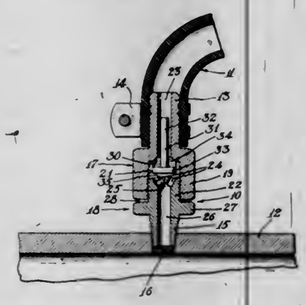
2,247,568

INJECTION NOZZLE

Henry N. Armbrust, Providence, R. I., assignor to Proportioneers, Inc., Providence, R. I., a corporation of Rhode Island

Application May 13, 1938, Serial No. 207,799

1 Claim. (Cl. 251—127)



A valved injection nozzle of the character described adapted for use with corrosive fluids, said injection nozzle comprising a pair of members formed from corrosion resistant metal, one of said members having a recess formed in one end to provide a valve chamber, and the other of said members having a plug-like element formed thereon threaded into said threaded recess of said one member to form a closed valve chamber, said one member having an elongated nipple projecting from its other end with an elongated inlet passage therethrough opening into the inner end of said recess and being formed with a valve seat bordering said passage on the inner end of said recess, valve means in said chamber comprising a rigid member formed from hard corrosion resistant material to provide a guiding stem freely slidable in said inlet passage and a rigid head integral with said guide stem and maintained in opposed relation to said seat by said guide stem, said rigid member having a replaceable collar of soft corrosion resistant resilient material carried on said stem and backed by said rigid head of the valve member, said plug having an outlet passage formed therein and being shaped to provide a point contact abutment lying in the path of said head to limit its movement away from said seat and maintain said head in spaced relation to said outlet passage, an externally screw threaded attachment nipple formed in an integral axial relation to said plug and through which said outlet passage extends, an integral outwardly extending flange located between said plug and its attachment nipple and formed integral therewith to oppose the border surface about the outer end of said recess and limit the projection of the plug into said recess, and a soft rubber washer clamped between said flange and said border surface, the outer peripheral surfaces of said flange and said recessed member being formed with wrench-engaging surfaces.

2,247,569

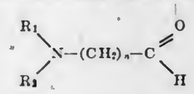
PROCESS OF HARDENING AND SIMULTANEOUSLY INCREASING THE SENSITIVITY OF PHOTOGRAPHIC SILVER HALIDE EMULSIONS

Johannes Brunken, Dessau-Ziebigk, and Hans Fricke and Gustav Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

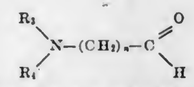
No Drawing. Application February 28, 1940, Serial No. 321,208. In Germany February 9, 1939

4 Claims. (Cl. 95—7)

1. A process of hardening photographic emulsions which comprises adding to a photographic silver halide gelatin emulsion an aliphatic aminoaldehyde selected from the group consisting of a compound corresponding to the following formulas



and



wherein R_1 and R_2 are selected from the class consisting of H and alkyl, R_3 and R_4 are alkylene and n stands for the numbers 1 and 2.

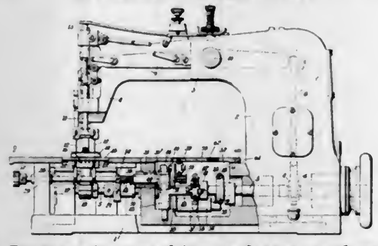
2,247,570

LOOPER MECHANISM FOR SEWING MACHINES

Andrew B. Clayton, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application February 2, 1939, Serial No. 254,139

11 Claims. (Cl. 112—200)



1. In a sewing machine, a frame, a closed lubricant-chamber supported thereby, an actuating shaft extending through at least one wall of said chamber, mechanism disposed within said chamber and actuated by said shaft, a bushing extending through at least one wall of said chamber and adapted to be actuated by the mechanism within said chamber, and a shaft journaled in said bushing and releasably connected thereto so that said shaft may be shifted relative to said bushing.

2,247,571

DENTAL INVESTMENT COMPOSITION

Paul Francis Collins, Columbus, Ohio, assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio, a corporation

No Drawing. Application December 17, 1935, Serial No. 54,937

2 Claims. (Cl. 22—188)

2. An investment composition for casting precious metals and their alloys, consisting principally of a siliceous refractory material and a calcium sulphate binder in such proportions as to give a dental investment composition and containing from .1 to 2.0 per cent barium chloride.

2,247,572

DENTAL INVESTMENT COMPOSITION

Paul Francis Collins, Columbus, Ohio, assignor, by mesne assignments, to Edmund A. Steinbock, Louisville, Ky.

No Drawing. Original application December 17, 1935, Serial No. 54,937. Divided and this application April 8, 1941, Serial No. 387,481

2 Claims. (Cl. 22—188)

1. An investment composition for casting precious metals and their alloys, consisting principally of a siliceous refractory material and a calcium sulfate binder in such proportions as to give a dental investment composition and containing from .1 to 2.0 per cent calcium chloride.

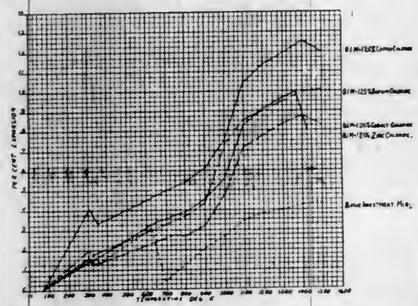
2,247,573

DENTAL INVESTMENT COMPOSITION

Paul Francis Collins, Columbus, Ohio, assignor, by mesne assignments, to Edmund A. Steinbock, Louisville, Ky.

Application April 8, 1941, Serial No. 387,482

2 Claims. (Cl. 22—188)



1. An investment composition for casting precious metals and their alloys, consisting principally of a siliceous refractory material and a calcium sulfate binder in such proportions as to give a dental investment composition and containing from .1 to 2.0 per cent zinc chloride.

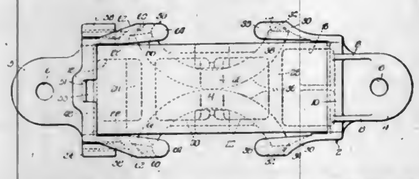
2,247,574

SIDE BEARING

Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application February 17, 1939, Serial No. 256,971

22 Claims. (Cl. 267—3)



1. A shock absorber comprising a substantially flat base plate, an integral transverse abutment adjacent one end of said plate, vertical shoulders adjacent opposite ends of said abutment, a slidable transverse abutment supported on said plate adjacent the opposite end thereof, vertical shoulders integrally formed with said slidable abutment, truss springs supported on said plate and having their opposite ends in engagement with the shoulders associated with said abutments respectively, an arch spring flexed between and serving to spread said abutments and to flex said truss springs, and means on said plate and on said sliding abutment serving to limit the relative movement therebetween and to retain said parts in assembly in case of loss or breakage of said arch spring, said means comprising lateral flanges on said sliding abutment, shoulders on said last mentioned abutment inwardly of said flanges, and channels on said base plate receiving said lateral flanges and having walls engageable with said shoulders.

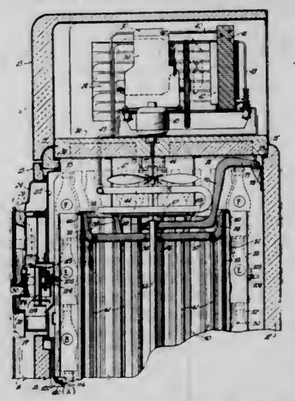
2,247,575

DISPENSING APPARATUS

Tully De Stefani, Chicago, Ill., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application March 25, 1938, Serial No. 198,155

8 Claims. (Cl. 62—102)



1. In a dispensing machine having a cabinet with refrigerating heat exchange means suspended from its top and a fan above the heat exchange means for directing air downwardly therepast, the combination with said cabinet and heat exchange means of a dispensing drum of skeletonized construction with means for retaining articles about its outer periphery and mounted in said cabinet for rotation about a vertical axis by journal means situated near the opposite axial ends of the drum, the journal means near the upper end of the drum being attached to said cabinet at a point offset from said heat exchange means and the axis of the drum and being further offset inwardly of the drum so as not to obstruct the upper end of the latter with respect to the heat exchange means, said upper end of the drum being mounted in close proximity to said heat exchange means.

2,247,576

DISPENSING APPARATUS

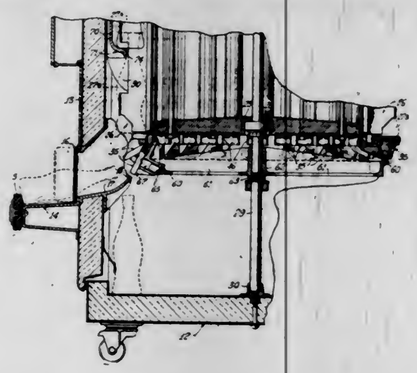
Tully De Stefani, Chicago, Ill., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois

Application March 25, 1938, Serial No. 198,156

16 Claims. (Cl. 312—36)

1. Dispensing apparatus including a cyclically movable magazine having a plurality of upright

open bottom article compartments adapted to have articles stacked one upon another therein, each of said compartments having a carriage member pivotally mounted therebelow for movement into raised and lowered positions, said carriages being effective when in raised position to support the lowermost article in a corresponding compartment, a discontinuous track arranged below said carriages and upon which the same ride in raised position throughout the major portion of their travel, said carriages dropping into lowered position when the same approach the discontinuous portion of said track whereby articles supported thereon are discharged, said track being provided with means engaged by



carriages lowered as aforesaid and effective to pivot the same back into normally raised position responsive to subsequent movement of the magazine, stationary means arranged to underlie the bottoms of higher-level articles immediately above the lowermost articles in each compartment during movement of said compartments past the discontinuous portion of the track, and means for lowering articles one by one from said stationary means down onto restored carriages responsive to subsequent movements of the magazine, and means for moving said magazine in steps in a particular direction, each step moving said magazine a distance adequate to move said carriages one by one into said discontinuous track portion.

2,247,577

LIQUID GREASE AND LUBRICANT

Marcellus T. Flaxman, Wilmington, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application March 14, 1938, Serial No. 195,819

15 Claims. (Cl. 252—34)

1. Mineral lubricating oil containing between about 1% and 10% of an oil-soluble aluminum soap, and between about 0.5% and 3% of an organic normally liquid amine having high vapor pressure at normal temperatures and having fluidizing and spreading properties for the oil-soap mixture, the vapor pressure of the amine being high enough to volatilize from the lubricant in places of use at normal temperatures, the proportion of amine being sufficient to impart fluidity to the lubricant.

3. A lubricant comprising mineral lubricating oil, and aluminum soap to thicken the oil and a small proportion of morpholine to render the oil-soap mixture liquid.

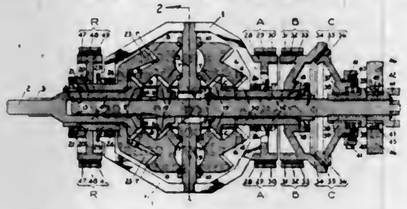
2,247,578

DIFFERENTIAL TRANSMISSION

Francisco Felipe Lázaga Giroud, La Víbora, Habana, and Baudilio Jesús Piqué Giroud, Reparto Ampliacion de Almendares, Marianao, Cuba

Application February 21, 1940, Serial No. 320,076

20 Claims. (Cl. 74—265)



1. In a differential transmission the combination of a drive shaft, a transmission shaft laid in the same axis as the drive shaft, supporting means applied at two points within the length of the transmission shaft, a transmission case independently rotatable upon the shafts, bevel gears rotatable in the transmission case on axes arranged at right angle to the axis of the shafts, bevel gears of lesser diameter attached on the inner side of the first bevel gears for rotation therewith, a bevel pinion carried by the drive shaft in meshing relation with the large bevel gears for drive of the same, a bevel pinion carried by the transmission shaft in meshing relation with the small bevel gears, all meshings being at same side of their axes of rotation, a brake drum attached on the outside of the transmission case, a brake band adapted to act upon the brake drum for releasably holding the transmission case stationary against any rotation for effecting low speed drive.

2,247,579

RECOVERY OF HEAT TREATING SALTS

Donald A. Holt, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 10, 1940, Serial No. 328,875

7 Claims. (Cl. 148—15)

1. A process for heat treating a metal article to a predetermined temperature which comprises immersing said article in a salt bath, the melting point of which is higher than said predetermined temperature, the temperature of said bath being higher than said melting point, removing said article from said bath when the temperature of said article has risen to said predetermined temperature, cooling said article and removing loosely adhering solid salt from the surface thereof.

2,247,580

PROCESS OF PRODUCING BLACK-COLORED ALUMINUM OR ALUMINUM ALLOYS

Otto Jauch, Ludwigsburg, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

No Drawing. Application March 1, 1940, Serial No. 321,791. In Germany March 11, 1939

7 Claims. (Cl. 148—6)

1. The process of producing black-colored corrosion-resisting protective layers on the surface of aluminum and aluminum alloys, consisting in preliminarily treating the metal with an aqueous aluminum chloride solution at increased temperature, then imparting a black color to it by immersing it in a heated potassium permanganate solution acidified with sulfuric acid, and then subjecting it to an after-treatment by immersing it in an alkaline chromate solution at increased temperature.

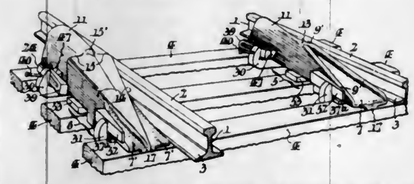
2,247,581

RERAILING FROG

Lloyd B. Jones, Hollidaysburg, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 11, 1941, Serial No. 378,337

10 Claims. (Cl. 104—269)



1. Re-railing frog formed symmetrical with respect to the longitudinal axis, for right or left-hand application to track rails in either direction, and embodying an upwardly inclined wheel engaging portion with an arched extension at the higher end; means on the inclined portion as well as the arched extension for coaction with the rim of a passing wheel to force the latter across the head of adjoining rail; an angularly adjustable support within the arched extension with flanking grooves for seating reception of either side edge of said extension, the opposing side edge of the extension being sustained by the rail base; means embodied in the frog for abutment with the side of a rail tie to prevent longitudinal movement of said frog; and clamp means for securing the frog to the rail.

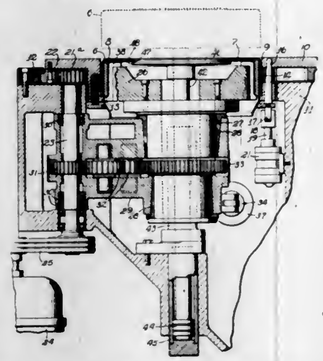
2,247,582

METHOD OF AND MACHINE FOR MILLING

Charles E. Kraus, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois

Application June 19, 1940, Serial No. 341,301

22 Claims. (Cl. 90—20)



1. A machine for milling an annular layer of metal from a work piece to form a circular surface or arc thereof on the work piece, said machine having, in combination, a power driven rotary cutter carrying an annular series of cutting edges defining a cutting face of a diameter such that the radius of said finished work surface is more than seventeen times the sum of the thickness of said layer plus the clearance between said cutting face and the rough work surface when the work and cutter axes are coincident, means for supporting a work piece for operation thereon by said cutter with the circle defined by said edges disposed tangent to the circle including the finished surface of the work piece and with one of such circles disposed within the other, and power actuated means to relatively rotate the work piece and the rotating cutter about the axis of the work circle and traverse the point of tangency across the work piece.

13. The method of removing a layer of metal from an annular surface on a work piece which comprises rotating a series of cutting edges in a circle differing in size from but approaching a circle including the rough work surface so closely that the radius of the finished work surface is at least seventeen times the sum of the thickness of said layer plus the radial clearance between said circle and the rough work surface when the work and cutter axes are coincident, relatively moving said work piece and edges axially with their axes substantially coincident whereby to bring the edges and said rough surface into a common plane of rotation, relatively moving the work piece and said edges radially to feed the edges into the work to the desired depth, and finally bodily rotating the work piece and the rotating edges relative to each other about the work axis and through at least one revolution.

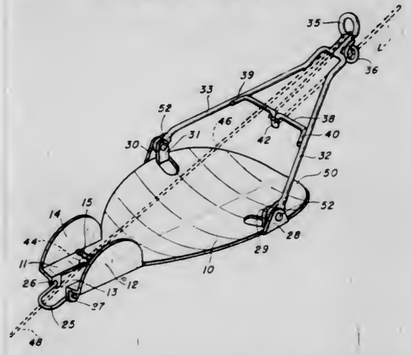
2,247,583

KITELIKE TROLLING SINKER

Clissolde L. Louthan, Seattle, Wash., assignor of fifty per cent to Mary Elizabeth Henry, Lakeside, Wash.

Application March 11, 1940, Serial No. 323,339

14 Claims. (Cl. 43—52)

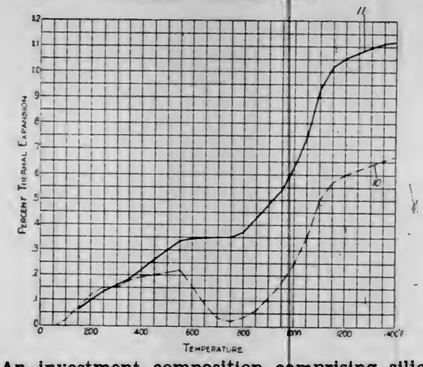


1. A trolling device comprising a body portion provided with a tail extension having a rear U-shaped slot, upstanding longitudinally disposed rudder fins at the rear of said body portion, a line stop member adjacent the forward end of said slot and having a V-shaped opening for engaging an obstacle on a trolling line, a pivoted bail at the rear end of said slot, an A-shaped bridle pivoted adjacent the forward end of said body portion and comprising a pair of converging legs and a cross-bar between said legs, said cross-bar having a depending stud for engagement by a bight in the trolling line, said bridle having an eye at its apex, and friction means associated with said bridle for gripping the standing part of a trolling line.

2,247,584
PROCESS OF RECOVERING CHEMICAL FROM WASTE PULPING LIQUOR
Harold R. Murdock, Canton, N. C., assignor to The Champion Paper and Fibre Company, Canton, N. C., a corporation of Ohio
No Drawing. Application June 17, 1937, Serial No. 148,815
3 Claims. (Cl. 92—2)

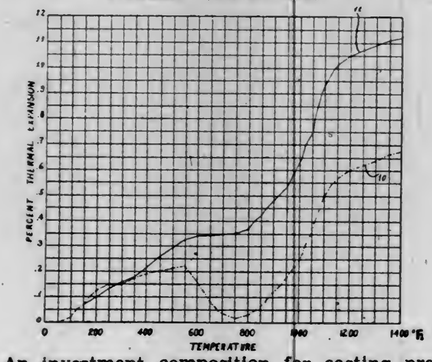
1. In the process of recovering pulping chemical from the waste pulping liquor of the sulphate process involving incineration of the solids content of such waste liquor and smelting of the incinerated solids, the step which consists in adding to such waste liquor, prior to actual incineration, a sulphur- and sodium-containing by-product spent caustic from the treatment of oil, in an amount sufficient to make up the sodium content of the original pulping liquor.

2,247,585
INVESTMENT COMPOSITION
Robert Neiman, Louisville, Ky., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application January 16, 1939, Serial No. 251,275
1 Claim. (Cl. 22—188)



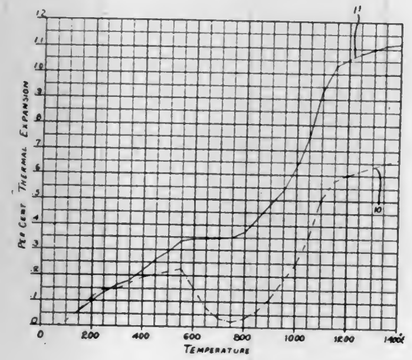
An investment composition comprising silica, plaster of Paris and from 0.25% to 3% of ammonium chloride.

2,247,586
INVESTMENT COMPOSITION
Robert Neiman, Louisville, Ky., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application November 4, 1940, Serial No. 364,234
1 Claim. (Cl. 22—188)



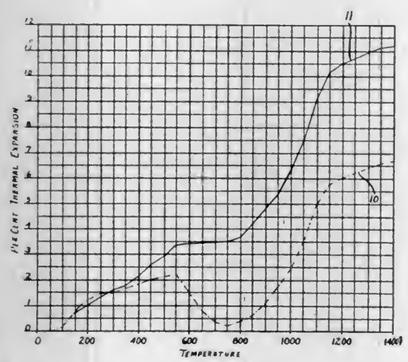
An investment composition for casting precious metals and their alloys, consisting principally of a siliceous refractory material and a calcium sulfate binder in such proportion as to give a dental investment composition, and containing from .1 to 2 percent magnesium chloride.

2,247,587
INVESTMENT COMPOSITION
Robert Neiman, Louisville, Ky., assignor to Edmund A. Steinbock, Louisville, Ky.
Application April 9, 1941, Serial No. 387,703
2 Claims. (Cl. 22—188)



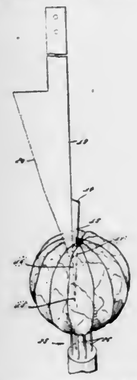
1. An investment composition for casting precious metals and their alloys, consisting principally of a siliceous refractory material and a calcium sulfate binder in such proportions as to give a dental investment composition and containing from .1 to 2.0 per cent cadmium chloride.

2,247,588
INVESTMENT COMPOSITION
Robert Neiman, Louisville, Ky., assignor to Edmund A. Steinbock, Louisville, Ky.
Application April 9, 1941, Serial No. 387,704
2 Claims. (Cl. 22—188)



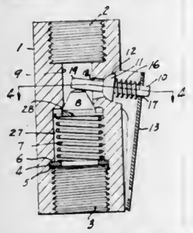
1. An investment composition for casting precious metals and their alloys, consisting principally of a siliceous refractory material and a calcium sulfate binder in such proportions as to give a dental investment composition and containing from .1 to 2.0 per cent aluminum chloride.

2,247,589
TOOL FOR SEGMENTING CITRUS FRUITS
Ralph Polk, Sr., Miami, and Ralph Polk, Jr., Haines City, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership
Original application April 13, 1938, Serial No. 201,732. Divided and this application June 7, 1939, Serial No. 277,847
3 Claims. (Cl. 146—3)



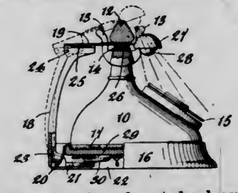
1. A tool for rupturing the natural bond between one radial face of a juice-cell-group of a fruit of the citrus type and the adherent radial integument, comprising a thin main blade and a supplemental blade adjacent the tip of the main blade, said main blade and supplemental blades being parallel to a common straight axis with their two planes in the neighborhood of 90° apart, the main blade having a maximum width approximating radial dimension of citrus fruit and a length greater than the diameter of such fruit, and the supplemental blade having a width slightly less than the distance between the two radial integuments of a fruit segment closely outside the normal seed area, whereby said supplemental blade may enter polarwise into said fruit segment without rupture of said integuments.

2,247,590
VALVE
Charles W. Strong, Portland, Oreg.
Substitute for abandoned application Serial No. 288,020, August 2, 1939. This application April 7, 1941, Serial No. 387,284
3 Claims. (Cl. 251—134)



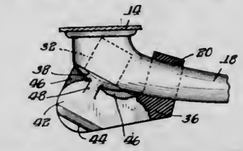
1. A valve comprising, a tubular body formed interiorly with a valve-seat and exteriorly with a pivot-seat forming an aperture in said tubular body, a valve for said valve-seat, a valve lever extending through said aperture and pivotally engaging said pivot-seat, exterior link-means pivotally attached to said body extending to slidably engage the exterior extremity of said valve-lever, and a spring extending between the free end of said link-means and the pivotal engagement of said valve-lever.

2,247,591
DIAL ILLUMINATOR FOR TELEPHONES
John R. Sundee, Buffalo, N. Y., assignor to John S. Steigerwald, Buffalo, N. Y.
Application May 4, 1939, Serial No. 271,752
6 Claims. (Cl. 240—2.17)



1. A dial illuminator for telephones having a displaceable switch bar and a receiver, comprising a holder adapted to detachably receive a telephone, a jointed bracket rising from one side of said holder and in spaced relation to the telephone for movement to and from a predetermined position and having a lamp-bearing portion at its upper end disposed for operative bearing engagement with and governed in its movements by the joint action of the switch bar and receiver to operative and inoperative positions, and a switch included in the circuit of the lamp and disposed in operative relation with said bracket for closing the switch in one position thereof and opening it in the other position thereof.

2,247,592
PROTECTIVE DEVICE
George L. Swift, Chicago, Ill.
Application February 9, 1939, Serial No. 255,381
5 Claims. (Cl. 70—455)

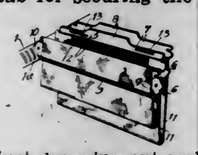


1. A protective buffer device for a handle structure or the like comprising a generally tubular portion adapted to be received by a longitudinally extending part of said handle to grasp the said part for retaining the buffer in operative relationship upon the handle, an arm extending generally axially from the tubular portion and adapted to lie adjacent the outer surface of said handle, and an inwardly facing cup-shaped member mounted on the arm at a point substantially spaced from said tubular portion for permitting flexure of the arm intermediate of the space, said cup-shaped member extending laterally therefrom on both sides to protectively cover adjacent surfaces of the handle mechanism.

2,247,593
DEVICE FOR EXHIBITING AND SHIPPING PROSPECTUSES AND LIKE PRINTED MATTER, SAMPLES, AND THE LIKE
Henry Weber, Zurich, Switzerland
Application January 31, 1938, Serial No. 187,988
In Switzerland February 5, 1937
1 Claim. (Cl. 129—16)

A mailing wrapper for printed display sheets,

samples and the like comprising a flexible strip having an edge rail at each end, said strip being adapted to be wrapped around the said sheets, the size of the wrapper being variable to suit the size of the contents by winding part of the strip on one of the edge rails, one of said edge rails of the wrapper being provided with a display tab, and an elastic strip secured on the edge rail having the tab for securing the contents of its



wrapper against dropping out and for connecting the rail to which it is secured to an edge rail at the opposite end of another wrapper with the display tab projecting above the rails so as to be visible, the elastic strip being secured to its edge rail beneath the flexible strip so as to be covered thereby so that the contents of the wrapper is prevented from becoming tangled with the elastic strip when being removed from the wrapper.

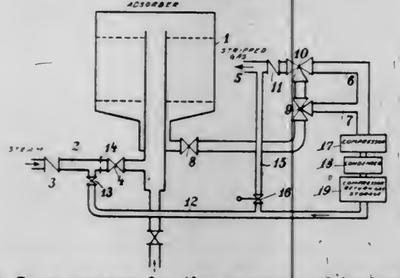
2,247,594

PROCESS FOR THE RECOVERY OF HYDROCARBONS

Victor Bayerl, Berlin, Germany, assignor to Carbo-Norit-Union Verwaltungs - Gesellschaft m. b. H., Frankfort-on-the-Main, Germany, a corporation of Germany

Application July 5, 1939, Serial No. 282,854

2 Claims. (Cl. 183—4)



1. In a process for the recovery of hydrocarbons from a gaseous mixture containing the same and fixed gas involving passing the mixture through an adsorber for the hydrocarbons, discharging the unadsorbed fixed gas, expelling the adsorbed hydrocarbons from the adsorber by the introduction of steam, compressing and condensing hydrocarbons from the gas mixture expelled from the adsorber, and recovering hydrocarbons from the uncondensed portion of said expelled gas mixture by passing it through the adsorber, the step which consists in introducing said uncondensed portion of said expelled gas mixture into the adsorber with the steam before the beginning of the expulsion of adsorbed hydrocarbons from the adsorber.

2,247,595

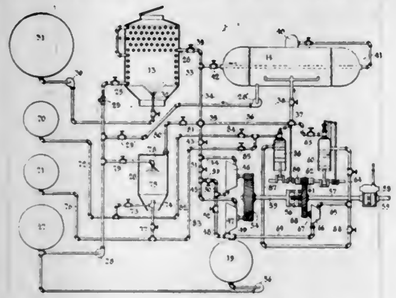
MARINE PROPULSION SYSTEM

William J. Besler, Plainfield, N. J.

Application December 23, 1938, Serial No. 247,502

3 Claims. (Cl. 60—6)

1. In apparatus for the propulsion of submarine vessels, the combination comprising a high pressure steam boiler, steam engines and means connecting said engines with said boiler for operation of the engines by steam from said boiler for the propulsion of said vessel on the surface, an accumulator for the storage of heated water under pressure, means for charging said accumulator from said boiler, means for operating said engines with steam furnished by said ac-



cumulator when the vessel is submerged, and means including a combustion chamber for generating steam for operating at least one of said engines when the vessel is submerged and said accumulator discharged, steam being generated in said combustion chamber by the combustion of gases therein.

2,247,596

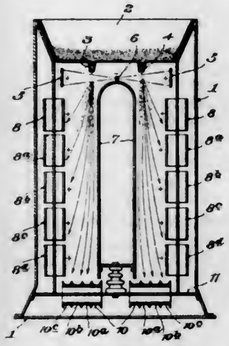
APPARATUS FOR THE ELECTRICAL SEPARATION OF COMMINUTED MATERIALS

Arpad Boer, Martinez, Argentina

Application April 24, 1939, Serial No. 269,775

In Rumania May 3, 1938

9 Claims. (Cl. 209—130)



1. In an apparatus for sorting mixed comminuted materials, a hopper for containing said materials and being provided with a base orifice for discharging said materials in a stream falling downwardly therefrom, a pair of ionizing electrodes positioned on opposite sides of said falling stream below said orifice, a common long vertical separating electrode positioned on one side of said falling stream of materials, a plurality of individual separating electrodes arranged in a vertical row on the side of said stream opposite said common separating electrode and comprising means for removing materials electrostatically adhering thereto, and means for applying a high electrical voltage between said ionizing electrodes and between said separating electrodes, said separating electrodes being positioned below said ionizing electrodes.

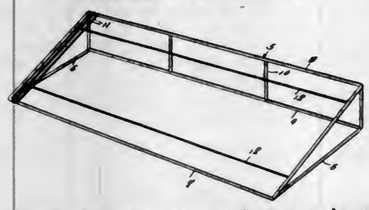
2,247,597

DISPLAY RACK

Frank W. Bofenkamp and James W. Sabino, Albuquerque, N. Mex.

Application September 8, 1939, Serial No. 294,020

2 Claims. (Cl. 211—71)



1. A display rack comprising a pair of end members including a straight horizontally arranged bottom bar for resting on a surface, a short vertically arranged end bar having its lower end connected to the rear end of the horizontal bar and a top bar having its rear end connected with the top of the vertical bar and its front end connected with the front end of the bottom bar, a front bar connecting the front ends of the two end members together, a rear bottom bar connecting the lower rear corners of the two end members together, a top rear bar connecting the upper corners of the two end members together, a plurality of spaced supporting bars paralleling each other and having their rear ends connected with the top and rear bar and the front ends with the front bar.

2,247,598

BED

Ovid L. Bohlen, Los Angeles, Calif.

Application January 11, 1940, Serial No. 313,448

1 Claim. (Cl. 5—93)



In a bed including a body, hollow corner posts on said body, legs extending from said posts and endwise slidable therein, coil springs in said posts cushioning the posts against the legs whereby the body may be vibrated vertically on said legs, means on said posts for varying the cushioning action of said springs from the outside of said posts, and set screws in said posts for locking the legs thereto to prevent vibration of said body at will.

2,247,599

MEMORANDUM DEVICE OR THE LIKE

Gerald Clark Brant, Jr., Alexandria, Va.

Application June 1, 1939, Serial No. 276,907

18 Claims. (Cl. 281—7)

1. Mechanism of the class described comprising, in combination, a pair of oppositely disposed bearing members, strip winding rolls, each including a spindle and guide discs fixedly associated with the ends thereof, rotatably journaled in said bearing members, guide means on each bearing member adjacent the periphery of the spindle guide discs, a spring member having an



inherent tendency to coil extending through each said guide means and adapted to coil about the guide discs of each respective winding roll, and stop means at each end of the spring member cooperable with the respective guide means for limiting the movement of said bearing members away from one another.

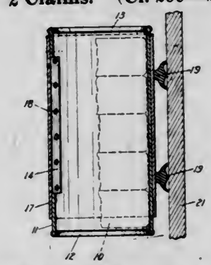
2,247,600

MEANS FOR HOUSING AND CONTROLLING THE EVAPORATION OF ODOR BLOCKS

Frank C. Brennan and John S. Brennan, St. Louis, Mo., and Lester J. Reysa, Cedar Rapids, Iowa, assignors to J. S. Costello & Son Brush Co., St. Louis, Mo., a corporation of Missouri

Application June 14, 1939, Serial No. 279,032

2 Claims. (Cl. 299—24)



1. In a means for controlling evaporation of odor blocks, an inner housing, a regulating casing partially enclosing the inner housing, the inner housing and casing having discontinuous openings therethrough, the inner housing being closed by permanently affixed caps to prevent refilling of the inner housing, the inner housing having a rim projecting below the regulating casing to provide for turning of the housing with reference to the regulating casing, and means attached to the regulating casing for supporting it and the housing with reference to a wall or the like.

2,247,601

ANCHOR BAND FOR CORSETS OR THE LIKE

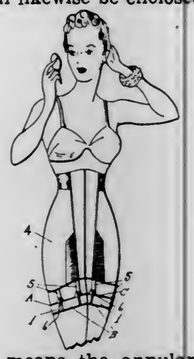
Jane T. Buhrle, Great Bend, Kans.

Application August 10, 1939, Serial No. 289,415

2 Claims. (Cl. 241—1)

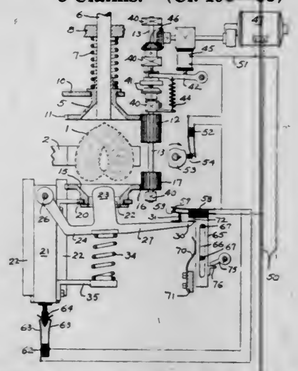
1. In anchor bands for corsets or the like, in combination, an elastic band of the class described for the thigh of a leg, the band prior to forming the same angularly being arcuate edgewise thereof to form a frusto-conical band to conform to the upper divergence of the thigh, a single row of hooks secured to the band adjacent one end thereof, a plurality of rows of eyes, the rows spaced apart, beginning at the other end of the band and secured thereto, the eyes of each row being spaced to correspond with the spacing of the hooks, a flap for each row of the eyes and having one edge and each end stitched to the band, whereby a pocket is formed and in which the eyes are concealed so that the

row of hooks engaging with the rows of eyes, selectively, will likewise be enclosed in the pock-



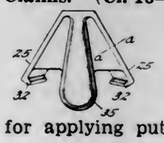
et, by which means the annular band is adjustable for snug engagement on the thigh.

2,247,602
MEANS FOR ORIENTATING SEAMED FRUIT
Ellsworth W. Carroll, San Francisco, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application June 17, 1940, Serial No. 340,986
8 Claims. (Cl. 198—33)



1. Means for orientating seamed fruit having a stem indent elongated laterally in the plane of the seam comprising driving means for rotating said fruit about an axis passing through the stem indent, a pilot member having a terminal contour fitting the elongation of said indent, means for urging said pilot against said stem indent area during fruit rotation, and means operated by the motion of said pilot member when fully entering said stem indent for stopping rotation of said fruit by said driving means.

2,247,603
PUTTY APPLICATOR
John M. Christman, Detroit, Mich., assignor to Simplex Putty Applicator Co., Detroit, Mich.
Application November 4, 1938, Serial No. 238,876
13 Claims. (Cl. 18—3.5)



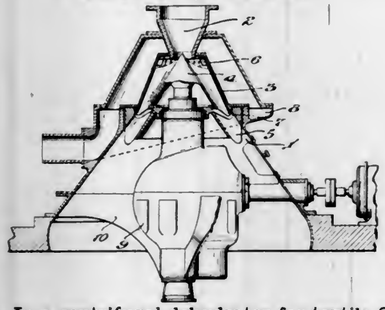
1. A device for applying putty to a window, said device being formed to provide means defining a positioning plane surface for engaging a window surface, means defining a putty smoothing surface inclined at an obtuse angle to said positioning surface, and means defining a surface extending from said smoothing surface in the direction in which the device is moved, and of greater length than the width of the applied putty strip, said last named surface being deflected outwardly in the direction of movement of the device to afford a gradually divergent throat, whereby the putty is crowded beneath said smoothing surface.

2,247,604
PUTTY APPLICATOR
John M. Christman, Detroit, Mich., assignor to Simplex Putty Applicator Co., Detroit, Mich.
Application December 2, 1938, Serial No. 243,651
10 Claims. (Cl. 18—3.5)



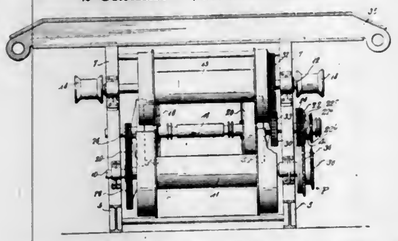
1. A device for applying putty to a window, said device being formed to provide means defining a putty engaging surface having a relieved throat portion provided with an edge formed to engage the window pane, said surface having a crowned configuration in a plane parallel to the window pane and having a crowned configuration in a plane perpendicular to the window pane and to the said surface, the crowning of said putty engaging surface in a plane perpendicular to the window pane being insufficient to establish substantial concavity in the finished putty strip, but being sufficient to prevent the device from riding up on a shallow sash when the tool is urged toward the sash, while maintaining a conventional angle with the pane adjacent the latter.

2,247,605
CENTRIFUGAL DRIER FOR TEXTILE FIBERS
Aldo Casagrande, Milan, Italy
Application April 4, 1938, Serial No. 200,035
In Italy April 15, 1937
4 Claims. (Cl. 210—69)



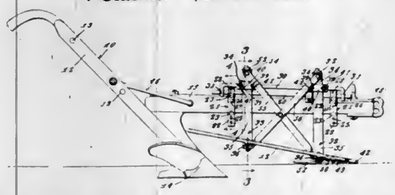
1. In a centrifugal dehydrator for textile fibers of the type including a truncated conical basket member, a truncated conical screw member disposed within said basket, means for rotating both of said members in the same direction but at different speeds relatively to one another, an inlet for textile fibers in one end of said basket, and an outlet for dehydrated fibers in the other end of said basket, a plurality of varying spiral means on the periphery of said truncated conical screw member, the slope defined by said spiral means gradually decreasing from the top of said screw member adjacent said inlet to the bottom of said member, whereby the textile fibers introduced in said inlet are first drawn downwardly and gradually outwardly in sliding engagement with the inner surface of said basket.

2,247,606
DRAW WORKS
Harland W. Cardwell, Wichita, Kans., assignor to Cardwell Manufacturing Company, Inc., a corporation of Kansas
Application February 25, 1938, Serial No. 192,621
2 Claims. (Cl. 254—185)



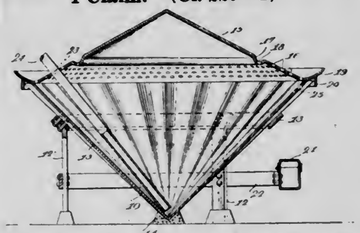
1. In a draw works, the combination of a countershaft, a friction clutch mounted upon said countershaft adjacent one end thereof, a sprocket associated with said friction clutch, a lower drum shaft, a drum secured to said lower drum shaft, a sprocket fixed to said lower drum shaft, a chain for driving the sprocket on said lower drum shaft from the sprocket associated with said friction clutch, a second friction clutch on said countershaft adjacent the opposite end thereof, a sprocket associated with said second friction clutch, an upper drum shaft, a drum secured to said upper drum shaft, a sprocket fixed to said upper drum shaft, and a chain for driving said sprocket from the sprocket associated with said second friction clutch, a sprocket fixed on said countershaft, a power takeoff rotatably mounted on said lower drum shaft, and means for driving said power takeoff from the sprocket fixed on said countershaft, whereby said power takeoff may be utilized for driving a rotary drilling assembly and said drum shafts may be selectively operated during the driving of said drilling assembly without interrupting the drive to said power takeoff.

2,247,607
LEAF LIFTER
William Shelton Cottle, Beulaville, N. C.
Application January 23, 1940, Serial No. 315,248
7 Claims. (Cl. 97—192)



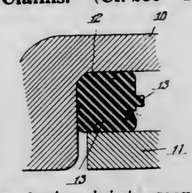
1. A leaf lifting attachment for plows comprising guide members carried by and disposed laterally of the plow beam, guide rods rockably mounted on the guides and having a limited axial sliding movement thereon, vertically adjustable supporting arms secured to the guide rods, and lifters held in forwardly and downwardly inclined relation to the ground by the said supporting arms.

2,247,608
RAIN WATER CONTAINER
Andrew H. De Groff, Little Genesee, N. Y.
Application February 16, 1939, Serial No. 256,800
1 Claim. (Cl. 220—1)



A rain water storage container for forest fire fighting comprising, a tank in the form of an inverted cone, the wall of which is formed with a plurality of longitudinal corrugations extending from the apex to the upper edge of the tank to allow for expansion and contraction, a cover in the form of a shallow cone closing the open top of the tank provided with perforations near the lowest peripheral portion thereof, a struck-out trough in the cover concentric with the apex of the cover reinforcing the cover against distortion, there being perforations in the bottom of the trough, the perforations in the trough and in the cover permitting straining of rain water from the cover into the tank through branches or other debris which may accumulate on the cover in the forest, a second trough formed by a curved peripheral edge portion of the cover resting upon the top edge of the tank, and a depending flange on the second-named trough surrounding and overlapping the top edge of the tank to prevent accidental dislodgement of the cover from high winds or other causes.

2,247,609
SANITARY PIPE JOINT
Howard R. Devilbiss, Riverdale, Md.
Application February 6, 1941, Serial No. 377,724
2 Claims. (Cl. 285—163)

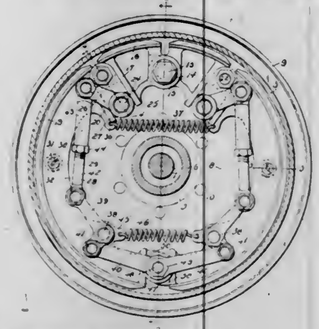


1. A fluid seal pipe joint assembly comprising inner and outer pipe members defining between them an annular space, a deformable packing ring in said space, said ring having a transverse dimension substantially equal to the breadth of said space, and fins integral with said ring normally projecting outwardly from opposite sides of said ring but adapted to be deformed into the confines of the body of the ring when the latter is properly positioned between said pipe members.

2,247,610
BRAKE MECHANISM
Clayton Erasmus Frederickson, Chicago, Ill.
Application October 17, 1939, Serial No. 299,889
14 Claims. (Cl. 188—78)

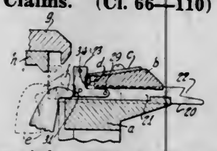
1. In a wheel brake, a rotatable drum, a non-

rotatable brake mounting plate, a pair of articulated brake shoes each comprising a long section and a short section hingedly joined together, the short sections having their outer ends pivoted at one end of each to said plate, spring



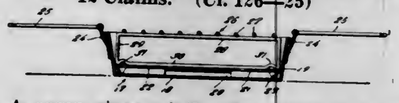
means for holding said shoes in brake-off position, combined with means for applying the short sections of said shoes to the drum first and then applying the remainder of the braking surfaces of the shoes to the drum.

2,247,611
KNITTING MACHINE SINKER
Hans M. Frischman, Palisade, N. J., assignor to Alfred Hofmann, Inc., West New York, N. J., a corporation of New Jersey
Application December 12, 1939, Serial No. 308,754
6 Claims. (Cl. 66—110)



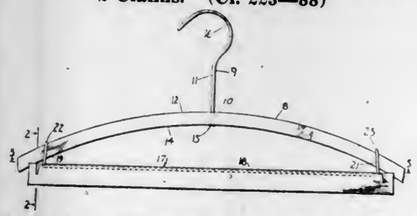
1. A knitting sinker with butt and comprising as metallic components the relatively hard and thin central blade the butt portion of which is confined and stiffened between the opposite pair of relatively soft and thick enclosing cleats of high strength; the said sinker characterized in that at a mechanical wearing spot at an edge of the butt portion the two cleats are spot-hardened to have a local hardness substantially greater than that of the unhardened strong general portion of the cleats and substantially approaching the hardness of the blade; whereby the wear upon the sinker by a cooperating metal part, by impact or rubbing contact upon the edge of the sinker butt, is not only materially reduced but is rendered substantially uniform across the thickness of such edge.

2,247,612
CAMP STOVE
Albert S. Haislip, Fredericksburg, Va., assignor of one-half to F. W. Feuerherd, Fredericksburg, Va.
Application January 7, 1939, Serial No. 249,815
12 Claims. (Cl. 126—25)



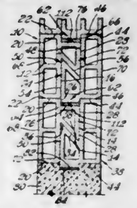
1. A camp stove of the class described comprising a relatively shallow pan having an imperforate rim and a perforated bottom, brackets secured to the end walls, a pair of bail-like leg frames hingedly attached to the brackets, said leg frames being of an equal length and the combined length thereof when folded over the top of the pan being equal to the length of the pan, the rim of the pan being inclined and the legs being swingable downwardly into converging relationship with the pan resting on the intermediate portions of the thus converging leg frames to facilitate holding the leg frames in supporting position.

2,247,613
GARMENT HANGER
Casimir W. Jan Johnson, Oakland, and Carl L. Bottino, Alameda, Calif.; said Johnson assignor to said Bottino
Application October 29, 1938, Serial No. 237,716
2 Claims. (Cl. 223—88)



1. A garment-hanger comprising, a wooden bar, a hook carried thereby for suspending said bar from a rack or the like, a wire pants supporting section depending from and detachably secured to said bar and including a straight intermediate portion and transversely and convergently bent end portions said end portions being provided with inverted loops for engaging over said bar, and an elongated strip of relatively stiff material folded centrally and longitudinally thereof and adapted to be hung on said straight wire portion, said strip having a length greater than said straight wire portion and being formed with T-shaped cut-out portions adjacent the opposite ends thereof for slipping over said loops and end portions and for engaging said end portions for locking said strip on said straight portion against rotation thereof.

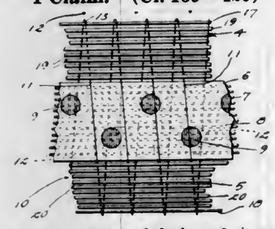
2,247,614
BUILDING BLOCK
James D. Lingenfelter, Fredonia, Kans.
Application January 2, 1940, Serial No. 312,117
4 Claims. (Cl. 72—42)



1. In a masonry wall, blocks adapted to be arranged in contacting superposed courses in the wall, the blocks in each course having top and bottom key formations respectively interlocking with the corresponding bottom and top key formations of the next higher and lower courses, said key formations being in the nature of a channel extending longitudinally of the wall along the tops of the blocks in each course and

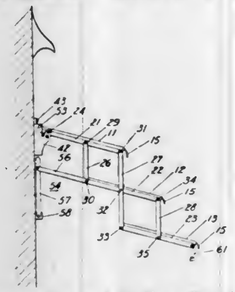
lugs extending longitudinally of the wall at the bottoms of the blocks in each course for reception within the channels of the next lower courses, said channels being deeper than the lugs disposed therein to receive a bonding material and reinforcing rods.

2,247,615
WOVEN FABRIC
Edward P. Lord, Norwich, Conn.
Application July 14, 1939, Serial No. 284,565
1 Claim. (Cl. 139—420)



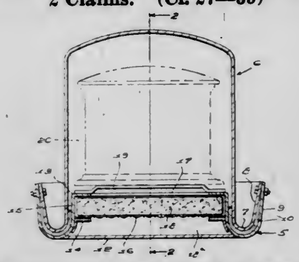
A woven decorated fabric of tape-like form comprising a central warp member formed of a relatively wide imperforate strip of paper having embedded therein, lengthwise thereof spaced parallel continuous threads constituting reinforcing means therefor and having its outer face provided with impressed means constituting a decoration for said face, two series of parallel lustrous warp threads each arranged at a side of the central warp member, and a weft interwoven with all of the said warp members with the picks of the weft relative widely spaced apart, said strip being transversely corrugated throughout.

2,247,616
AWNING
Monroe D. McNelly, Cedar Rapids, Iowa
Application September 19, 1938, Serial No. 230,547
3 Claims. (Cl. 156—43)



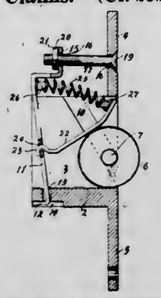
3. An awning for a building front comprising a plurality of parallel panels, a plurality of parallel spacing members pivotally connected thereto, mounting brackets, means for pivotally supporting the awning near the inner edge of the uppermost panel on the brackets, a stop means for limiting movement in one direction about the pivotal support means, the weight of the panels adapted to maintain the spacing members in substantially vertical relation, said panels thus adapted to lie flat against each other and up against the building when in closed position and adapted to take a partially extended position due to the weight of the panels when the awning is rotated downwardly about the pivotal support means, and a means for causing the awning to take a fully extended position comprising a two position foldable strut pivotally attached at one end adjacent the building front and at the other end to a panel.

2,247,617
BURIAL VAULT
Haskell E. Metz, Marion, Ohio
Application November 30, 1939, Serial No. 306,936
2 Claims. (Cl. 27—35)



1. A burial vault comprising a case having a closure, a riser formation in the lower portion of the case, supporting means for a casket bridging the riser formation, said riser formation being provided with an internal shoulder construction spaced upwardly from the bottom of the case, a perforate sheet horizontally spanning the shoulder construction and a cake of absorbing material disposed on the said perforate sheet and below the casket supporting means.

2,247,618
SASH HOLDER
Laurence Francis Moroney, Moonee Ponds, near Melbourne, Victoria, Australia
Application October 8, 1938, Serial No. 234,028
In Australia January 24, 1938
10 Claims. (Cl. 292—73)

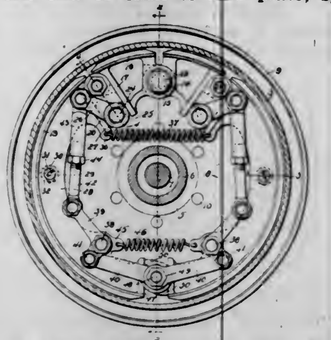


1. Means for sustaining slidable window sashes comprising a casing adapted to be fitted within a mortise in a side member of a window frame, a roller having an axle and mounted in said casing adapted to exert gripping pressure on the sash stile and to be retracted within said casing upon upward movement of the sash, guides in said casing for said axle, a braking element pressing upon said roller, a spring exerting pressure on said braking element, and means for regulating the pressure of said spring.

2,247,619
TOY EXCAVATING SHOVEL
Joseph Penica, Billings, Mont.
Application February 9, 1940, Serial No. 318,155
1 Claim. (Cl. 214—138)

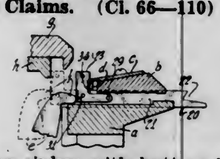
A toy of the character described comprising a

rotatable brake mounting plate, a pair of articulated brake shoes each comprising a long section and a short section hingedly joined together, the short sections having their outer ends pivoted at one end of each to said plate, spring



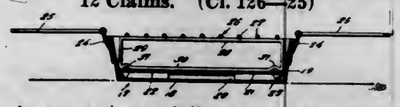
means for holding said shoes in brake-off position, combined with means for applying the short sections of said shoes to the drum first and then applying the remainder of the braking surfaces of the shoes to the drum.

2,247,611
KNITTING MACHINE SINKER
Hans M. Frischman, Palisade, N. J., assignor to Alfred Hofmann, Inc., West New York, N. J., a corporation of New Jersey
Application December 12, 1939, Serial No. 308,754
6 Claims. (Cl. 66—110)



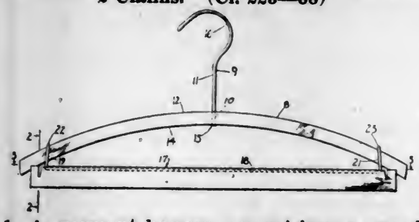
1. A knitting sinker with butt and comprising as metallic components the relatively hard and thin central blade the butt portion of which is confined and stiffened between the opposite pair of relatively soft and thick enclosing cleats of high strength; the said sinker characterized in that at a mechanical wearing spot at an edge of the butt portion the two cleats are spot-hardened to have a local hardness substantially greater than that of the unhardened strong general portion of the cleats and substantially approaching the hardness of the blade; whereby the wear upon the sinker by a cooperating metal part, by impact or rubbing contact upon the edge of the sinker butt, is not only materially reduced but is rendered substantially uniform across the thickness of such edge.

2,247,612
CAMP STOVE
Albert S. Haislip, Fredericksburg, Va., assignor of one-half to F. W. Feuerherd, Fredericksburg, Va.
Application January 7, 1939, Serial No. 249,815
12 Claims. (Cl. 126—25)



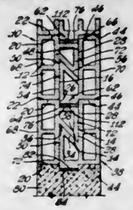
1. A camp stove of the class described comprising a relatively shallow pan having an imperforate rim and a perforated bottom, brackets secured to the end walls, a pair of bail-like leg frames hingedly attached to the brackets, said leg frames being of an equal length and the combined length thereof when folded over the top of the pan being equal to the length of the pan, the rim of the pan being inclined and the legs being swingable downwardly into converging relationship with the pan resting on the intermediate portions of the thus converging leg frames to facilitate holding the leg frames in supporting position.

2,247,613
GARMENT HANGER
Casimir W. Jan Johnson, Oakland, and Carl L. Bottino, Alameda, Calif.; said Johnson assignor to said Bottino
Application October 29, 1938, Serial No. 237,716
2 Claims. (Cl. 223—88)



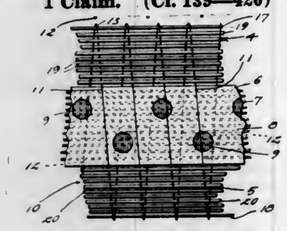
1. A garment-hanger comprising, a wooden bar, a hook carried thereby for suspending said bar from a rack or the like, a wire pants supporting section depending from and detachably secured to said bar and including a straight intermediate portion and transversely and convergently bent end portions said end portions being provided with inverted loops for engaging over said bar, and an elongated strip of relatively stiff material folded centrally and longitudinally thereof and adapted to be hung on said straight wire portion, said strip having a length greater than said straight wire portion and being formed with T-shaped cut-out portions adjacent the opposite ends thereof for slipping over said loops and end portions and for engaging said end portions for locking said strip on said straight portion against rotation thereof.

2,247,614
BUILDING BLOCK
James D. Lingenfelter, Fredonia, Kans.
Application January 2, 1940, Serial No. 312,117
4 Claims. (Cl. 72—42)



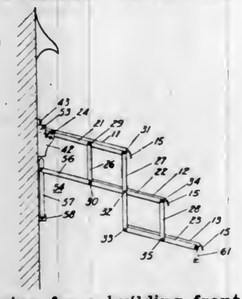
1. In a masonry wall, blocks adapted to be arranged in contacting superposed courses in the wall, the blocks in each course having top and bottom key formations respectively interlocking with the corresponding bottom and top key formations of the next higher and lower courses, said key formations being in the nature of a channel extending longitudinally of the wall along the tops of the blocks in each course and lugs extending longitudinally of the wall at the bottoms of the blocks in each course for reception within the channels of the next lower courses, said channels being deeper than the lugs disposed therein to receive a bonding material and reinforcing rods.

2,247,615
WOVEN FABRIC
Edward P. Lord, Norwich, Conn.
Application July 14, 1939, Serial No. 284,565
1 Claim. (Cl. 139—420)



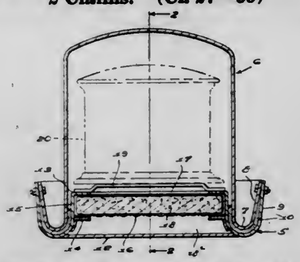
A woven decorated fabric of tape-like form comprising a central warp member formed of a relatively wide imperforate strip of paper having embedded therein, lengthwise thereof spaced parallel continuous threads constituting reinforcing means therefor and having its outer face provided with impressed means constituting a decoration for said face, two series of parallel lustrous warp threads each arranged at a side of the central warp member, and a weft interwoven with all of the said warp members with the picks of the weft relative widely spaced apart, said strip being transversely corrugated throughout.

2,247,616
AWNING
Monroe D. McNelly, Cedar Rapids, Iowa
Application September 19, 1938, Serial No. 230,547
3 Claims. (Cl. 156—43)



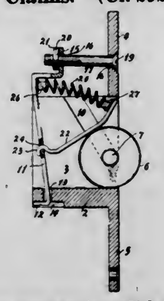
3. An awning for a building front comprising a plurality of parallel panels, a plurality of parallel spacing members pivotally connected thereto, mounting brackets, means for pivotally supporting the awning near the inner edge of the uppermost panel on the brackets, a stop means for limiting movement in one direction about the pivotal support means, the weight of the panels adapted to maintain the spacing members in substantially vertical relation, said panels thus adapted to lie flat against each other and up against the building when in closed position and adapted to take a partially extended position due to the weight of the panels when the awning is rotated downwardly about the pivotal support means, and a means for causing the awning to take a fully extended position comprising a two position foldable strut pivotally attached at one end adjacent the building front and at the other end to a panel.

2,247,617
BURIAL VAULT
Haskell E. Metz, Marion, Ohio
Application November 30, 1939, Serial No. 306,936
2 Claims. (Cl. 27—35)



1. A burial vault comprising a case having a closure, a riser formation in the lower portion of the case, supporting means for a casket bridging the riser formation, said riser formation being provided with an internal shoulder construction spaced upwardly from the bottom of the case, a perforate sheet horizontally spanning the shoulder construction and a cake of absorbing material disposed on the said perforate sheet and below the casket supporting means.

2,247,618
SASH HOLDER
Laurence Francis Moroney, Moonee Ponds, near Melbourne, Victoria, Australia
Application October 8, 1938, Serial No. 234,028
In Australia January 24, 1938
10 Claims. (Cl. 292—73)

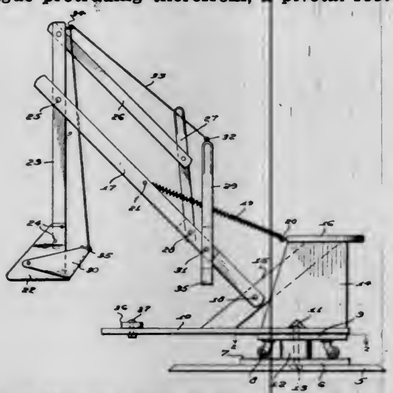


1. Means for sustaining slidable window sashes comprising a casing adapted to be fitted within a mortise in a side member of a window frame, a roller having an axle and mounted in said casing adapted to exert gripping pressure on the sash stile and to be retracted within said casing upon upward movement of the sash, guides in said casing for said axle, a braking element pressing upon said roller, a spring exerting pressure on said braking element, and means for regulating the pressure of said spring.

2,247,619
TOY EXCAVATING SHOVEL
Joseph Penica, Billings, Mont.
Application February 9, 1940, Serial No. 318,155
1 Claim. (Cl. 214—138)

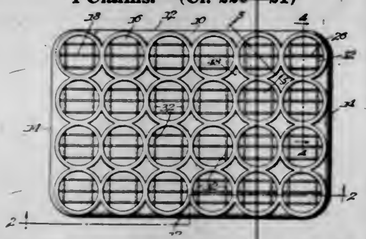
A toy of the character described comprising a

base, a rotatable structure on the base, a riser on the base, a seat mounted on the rotatable structure and having a horizontally extending tongue protruding therefrom, a pivotal foot bar



on the free end portion of the tongue, and an elongated member having one end pivotally secured to the riser and the other end to one end of the foot bar.

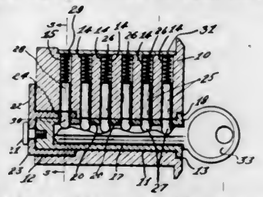
2,247,620
BOTTLE CRATE
William W. Robinson, Chattanooga, Tenn., assignor to Cumberland Case Company, Chattanooga, Tenn., a corporation of Tennessee
Application January 18, 1938, Serial No. 185,616
4 Claims. (Cl. 220—21)



1. A bottle crate comprising a casing having a top plate of metal, said casing having a bottom formed of a plurality of parallel rods spaced from said top plate and rigidly secured at their ends to said casing, said top plate having a plurality of bottle guiding openings therein, a plurality of metal tongues extending downwardly from said plate into the interior of said casing from each of said openings, and a pair of bottle pocket forming elements associated with each of said openings, said elements comprising a pair of upright members attached at their lower ends by a connecting member, said connecting members extending transversely of the parallel rods of said base and being rigidly secured thereto, the upper end of each of the upright members of said pocket forming elements being rigidly secured to one of said tongues.

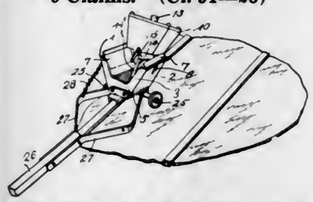
2,247,621
LOCK MECHANISM
Robert A. Speer, Detroit, Mich.
Application July 30, 1940, Serial No. 348,510
5 Claims. (Cl. 70—364)

1. In a device of the character described, a lock mechanism including a body member having a longitudinal bore terminating in counter bores therein and further having vertical bores therein, a flanged key guide mounted in said longitudinal bore with the flange in one of said counter bores,



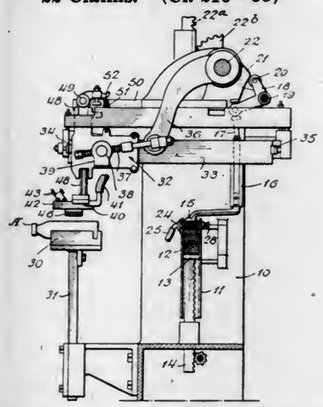
a cup-shaped member rotatably secured to said key guide and engaged in said other counter bore and a lever extending from said cup-shaped member.

2,247,622
PAINTING APPARATUS
Roy S. Thompson, Bay Village, Ohio
Application September 11, 1939, Serial No. 294,355
9 Claims. (Cl. 91—25)



1. In apparatus for applying paint to long narrow bars, a paint reservoir, and a receptacle carriage for receiving paint from said reservoir provided with side and end walls defining a narrow rectangular opening through which paint applying devices may contact the bar being painted, paint applying devices for said receptacle, the said side walls being mounted for movement relative to each other and with respect to the end walls to permit movement of the lower edges thereof toward or away from each other for adjusting the width of said opening for use with bars of various widths.

2,247,623
LABEL APPLYING MACHINE
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Application August 2, 1938, Serial No. 222,605
22 Claims. (Cl. 216—55)



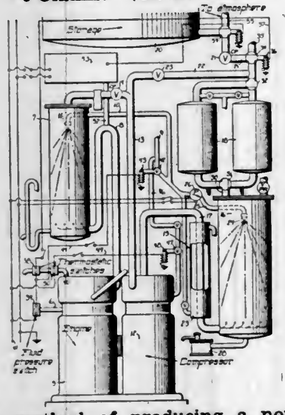
5. In a machine of the kind described, the combination of a support for articles to be labeled, a hopper for confining a supply stack of adhesively coated labels, heated means for removing successive terminal labels from the stack in said hopper and applying the same to successive articles on said support and means co-operating with said hopper to develop confined insulating air cushions interiorly of said hopper whereby penetration of heat from said heated means into said hopper is prevented.

18. In a labeling machine for applying thermoplastic coated labels, a suction head for carrying and applying said labels, and a heated resilient pad carried by said head for heating the thermoplastic coatings through the labels provided with said coatings.

2,247,624
ALUMINUM HYDRATE
James R. Wall, Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 31, 1939, Serial No. 276,556
13 Claims. (Cl. 23—143)

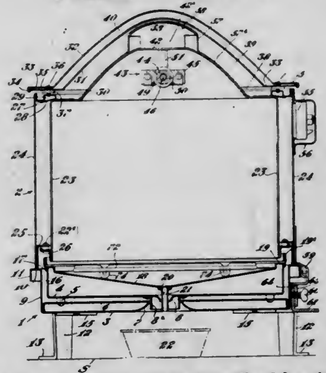
1. A method of producing fine aluminum hydate from an alkaline aluminous solution, which consists in partially neutralizing said solution at a rapid rate while maintaining the temperature below about 40° C. to effect a precipitation of aluminum hydrate, aging the precipitated aluminum hydrate in an alkaline solution at a temperature below about 40° C., and subsequently digesting the aluminum hydate at a temperature above about 60° C.

2,247,625
PRODUCTION OF INERT GAS
Walter J. Willenborg, Weehawken, N. J., assignor to Charles L. Coughlin, Milwaukee, Wis.
Continuation of application Serial No. 77,742, May 4, 1936. This application January 5, 1940, Serial No. 312,509
6 Claims. (Cl. 252—372)



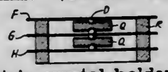
1. The method of producing a noncorrosive inert gas containing a major proportion of nitrogen from combustion gases containing traces of oxygen and nitrogen oxide which comprises, the successive steps of quickly oxidizing the nitrogen oxide content of the combustion gases by subjecting the same to high pressure of not less than one hundred and eighty pounds per square inch gauge for a period sufficient to oxidize the nitrogen oxide to nitrogen peroxide, washing the combustion gases to remove therefrom the nitrogen peroxide formed as a result of the oxidation step, and storing the resulting inert gas under pressure.

2,247,626
COOKING APPARATUS
Butler Ames, Boston, Mass.
Application November 9, 1938, Serial No. 239,613
8 Claims. (Cl. 219—35)



6. A cooker of the class described having a base and a cover therefor, said base and cover defining a cooking chamber, a heating element within the chamber, said cover comprising an inner and an outer wall spaced apart, means providing an exit opening in the outer wall leading from the space between such walls, an aperture in the inner wall through which gases may flow from the cooking chamber into the space between the inner and outer walls, and valve means carried by the inner wall and normally resting thereagainst to prevent the escape of such gases through the exit opening.

2,247,627
PIEZOELECTRIC CRYSTAL HOLDER
John Boyd Atwood and De Witt Rugg Goddard, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application March 9, 1938, Serial No. 194,790
9 Claims. (Cl. 171—327)

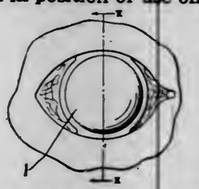


3. A piezo-electric crystal holder comprising a piezo-electric crystal, a ring of insulating material surrounding said crystal, a plurality of metallic disc-like spring members supported by said ring, each spring member having means for retaining said crystal at its nodal point.

2,247,628
OPHTHALMIC LENS
Robert J. Beitel, Jr., Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 17, 1938, Serial No. 185,288
Renewed July 5, 1940
4 Claims. (Cl. 88—54.5)

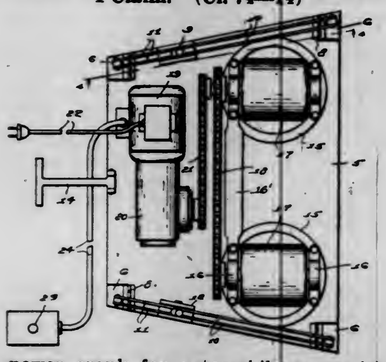
1. In a contact type ophthalmic lens, a main lens portion and a plurality of scleral portions on said main lens portion in the vicinity of the top and bottom edges thereof and extending outwardly of said edge portions an amount less than

the diameter of the main lens portion with end edges substantially concentric with the adjacent edge of the main lens portion and shaped to fit beneath the upper and lower lids of the eye with the outwardly extending portions confined within the limits of the central areas of said upper and lower lids when in position of use on the eye and



having portions cut away at the sides of the lens structure between the upper and lower scleral portions and provided with edge contours substantially concentric with the adjacent edges of said main lens portion whereby free and easy lateral movement of an eye wearing said lens may be accomplished.

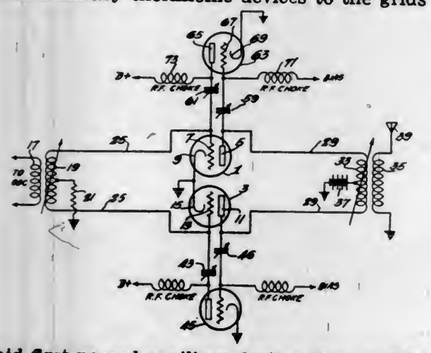
2,247,629
POWER CRANK
Fernando C. Chiappetti, Flagstaff, Ariz., assignor of one-half to Jeff M. Ferris, Flagstaff, Ariz.
Application July 9, 1940, Serial No. 344,582
1 Claim. (Cl. 74—14)



A power crank for automobiles comprising a truck, a pair of circular pedestals on the truck adjacent one side edge thereof, a pair of bearing members on each pedestal, said bearing members being oppositely arranged, a shaft journaled in each pair of bearing members and extending at right angles to said side edge of the truck, a roller carried by each shaft and having a portion extending into the space formed by the pedestal, sprockets on the inner ends of the shafts, a chain passing over the sprockets, one shaft being extended, a motor on the truck adjacent the other side edge thereof, means for connecting the motor with the extended end of said one shaft, said motor being a reversable one, and a brace bar extending across the space between the pedestals and connected with the inner ends of the inner bearing members.

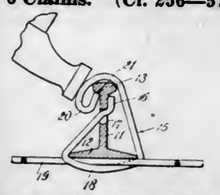
2,247,630
RADIO FREQUENCY AMPLIFIER
John Evans, Palmyra, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 22, 1938, Serial No. 197,366
7 Claims. (Cl. 179—171)

1. In a radio frequency amplifier, a pair of thermionic devices, said amplifier including input and output circuits connected to said thermionic devices in push-pull relation, a pair of auxiliary thermionic devices, means respectively coupling the grids of said auxiliary thermionic devices to the anodes of said first named thermionic devices, and means respectively coupling the anodes of said auxiliary thermionic devices to the grids of



said first named auxiliary devices, the amplification of said auxiliary devices being so adjusted that a voltage is impressed on the respective grids of each of said first named thermionic devices which is equal in amplitude and opposite in phase to the voltage fed back to said grids by the grid-anode capacitance of said thermionic devices.

2,247,631
FENCE POST CLIP
Donald C. Gardner, Salt Lake City, Utah, assignor to The Colorado Fuel & Iron Corporation, a corporation of Colorado
Application August 22, 1939, Serial No. 291,311
6 Claims. (Cl. 256—57)

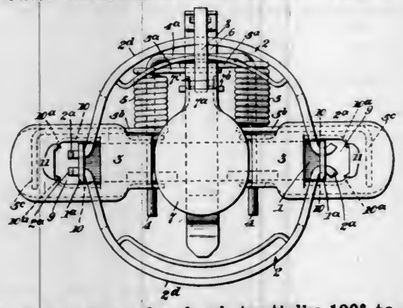


1. A fence comprising a post having a vertical web and vertical flanges at opposite ends of the web extending generally perpendicular thereto, a fence wire lying against the outer face of one flange, and a clip having a hook at one end projecting through an opening in the web, the clip extending from the hook along one side of the web and along said face over the fence wire and then along the opposite side of the web and over the other flange, the clip having another hook at the opposite end engaged with the inner face of the second flange and bent around said last flange toward the first flange on the end of the hook as a pivot.

2,247,632
ANIMAL TRAP
Hershey Roy Graybill, Manheim, Pa., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application December 15, 1939, Serial No. 309,365
9 Claims. (Cl. 43—88)

7. In a trap, the combination with a base and a pair of opposed pivotally mounted jaws having

curved portions adjacent to their pivots, and a spring actuated closing arm pivoted to the base at a point eccentric with respect to the adjacent curved portions of the jaws, said arm having a closing aperture, the opposite lateral edges of the aperture engaging and applying pressure to the outer lateral faces of the jaws in opposite di-

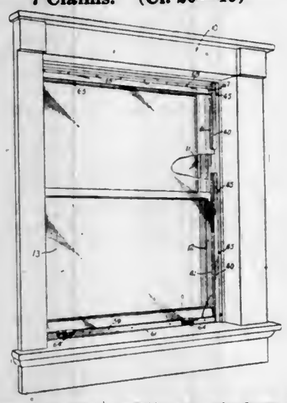


rections at an angle of substantially 180° to one another as the jaws approach closed position, the edges of said aperture having inwardly extending portions for engaging the jaws when the latter are in completely closed position and applying pressure thereto in opposite directions at an angle less than 180° the one to the other when the jaws are in completely closed position.

2,247,633
FIREPROOFING PAINT
William K. Hearn, Seattle, Wash.
No Drawing. Application January 16, 1939, Serial No. 251,233
2 Claims. (Cl. 134—44)

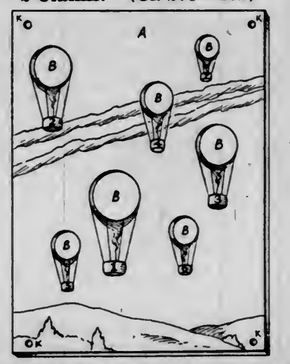
1. A paint as described comprising 5 gallons of cold, soft water; 5 ounces of antimony chloride; 2½ pounds of glue powder; 10 pounds of mineral coloring, and 2½ pounds of diatomaceous earth.

2,247,634
WINDOW CONSTRUCTION
David Tullis Houston, Maplewood, N. J.
Application December 9, 1936, Serial No. 114,891
7 Claims. (Cl. 20—40)



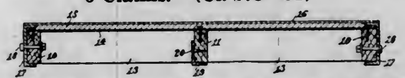
1. In combination with a window frame, a storm window comprising a transparent, colorless, flexible sheet, roll means mounted in the window frame on which the sheet may be rolled, guide means at the sides of the window frame for receiving the side edge portions of the sheet material to provide an air seal, means along the lower edge portion of said sheet material to provide an air seal, means between the top edge of the window frame and the roll means for providing an air seal, said window being readily drawn across said window frame and retractable therefrom, and roll means associated with said first roll for winding and unwinding protective material adapted to wind and unwind on the roll with the sheet means.

2,247,635
DART GAME
Charles C. Illers, West New Brighton, Staten Island, N. Y.
Application February 23, 1939, Serial No. 257,887
2 Claims. (Cl. 273—102)



2. In a game of the character described, a target comprising a front board upon which is depicted a representation of balloons in ascension characterized by baskets or cars, suspended therefrom upon which are markers or value numbers fixed thereon, said target having balloons of various sizes spaced apart in scattered relation therewith, and means for supporting said target in an upright position, substantially as described.

2,247,636
BOWLING ALLEY
Alfred H. Lewis, Lynn, Mass.
Application August 19, 1938, Serial No. 225,715
6 Claims. (Cl. 273—51)



1. A bowling alley comprising a supporting structure composed of a plurality of individual units, channel irons secured to the outer edges of the units forming the body of the alley and locking them in alinement with their ends slightly spaced apart, the flanges of said channel irons extending over upper and lower faces of said units, boards superimposed upon and extending transversely of each unit, and a level coating of hardened waterproof composition of equal consistency throughout superimposed upon and in contact with the upper surface of said boards and adhering thereto.

2,247,637
FILING DEVICE
Luigi Lombardini, Turin, Italy
Application December 22, 1938, Serial No. 247,176
In Italy May 20, 1938
2 Claims. (Cl. 129—16)

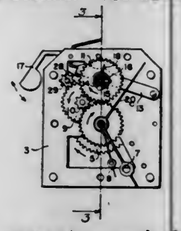
2. In a filing device having partitions hingedly

supported along one edge in said device, the combination of a pair of guide-ways extending longitudinally along the opposite sides of said filing device, slidable members in each of said guide-ways, a plurality of spacing members for



said partitions fixed on each of said slidable members in spaced relationship, friction-reducing means carried by said spacing members and adapted to engage the opposing free edges of said partitions.

2,247,638
TIME-SETTING DEVICE
Carl Lurtz, Brooklyn, N. Y.
Application October 20, 1937, Serial No. 169,948
4 Claims. (Cl. 58—16)



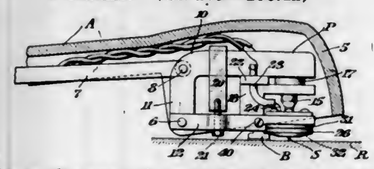
4. In an apparatus embodying exhibiting means, a setting device co-operative with said exhibiting means, whereby the particular operation for which the apparatus is adapted may be determined; a hollow shaft constituting one of the operating parts of the apparatus, a first setting shaft for the setting device, lying within the hollow shaft; indicia for said setting device, an indicator carried by said first setting shaft in front of said indicia, a second setting shaft having an indicator, and driving connection between the first and the second setting shaft adapted to cause both last named shafts to turn at different speed rates when either one of these two shafts is manually operated.

2,247,639
OPHTHALMIC MOUNTING
George E. Nerney, Attleboro, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 15, 1938, Serial No. 224,872
3 Claims. (Cl. 88—43)



1. An ophthalmic mounting comprising a pair of lens holding members connected by a bridge member, said bridge member having a central arch portion and relatively long and slender depending side portions all initially formed of sheet-like material, said central arch portion being bowed and having its ends and relatively long and slender depending side portions folded forwardly with a single bend to provide integrally angled side portions each lying in a plane substantially at right angles relative to the front central surface of said central arch portion, said relatively long and slender depending side portions being curved outwardly adjacent the lower ends thereof and being secured adjacent said ends to the lens holding members, the major part of each of said depending portions being located in spaced relation with the adjacent edge surfaces of lenses when in desired associated relation therewith and having relatively narrow edge surfaces disposed in a plane substantially parallel with the front central surface of said central arch portion and a side surface lying in a plane substantially normal to the front central surface of the central arch portion and of a width substantially greater than the width of the edge surfaces, nose pad supporting means secured adjacent the point of attachment of said depending portions to said lens holding members with said nose pad supporting members extending in a direction rearwardly of said depending side portions, said central arch having slotted portions located intermediate the angularly disposed depending side portions and the center of said arch producing bifurcated portions having spaced points of connection with said depending side portions, with one of said points of connection located intermediate the upper and lower ends of said depending side portions.

2,247,640
REPRODUCER
John F. Nielsen, Forest Hills, N. Y., assignor to Cinaudagraph Corporation, Stamford, Conn., a corporation of Delaware
Application November 14, 1939, Serial No. 304,293
6 Claims. (Cl. 179—100.41)

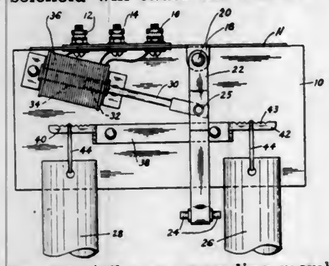


1. In a phonograph reproducer, the combination with a tone arm, of a pick-up unit carried thereby and having a stylus and voice coil, means adapted to rest on the surface of the record and support the downward pressure of the end of the tone arm from the record independently of the stylus during the entire operation of the device in reproducing, and a resilient mounting supporting the stylus and voice coil from the pick-up unit and acting to maintain the stylus point in operative reproducing contact in the record groove while the tone arm is so supported from the record.

2,247,641
ELECTRIC CHIME
Morris L. Pearl, Philadelphia, Pa., assignor to Pearlplan Mfg. Company, Philadelphia, Pa., a partnership composed of Lewis R. Levi and Morris L. Pearl
Application April 4, 1940, Serial No. 327,916
2 Claims. (Cl. 177—7)

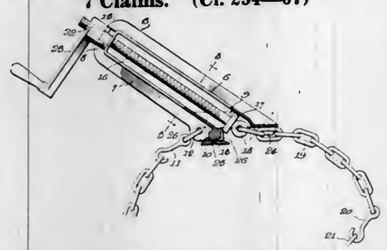
1. The combination of a base having a pivoted hammer or clapper having a striking tip at the free end thereof, said hammer lying freely in a vertical plane, an electric solenoid inclined at an angle of approximately 30° to the horizontal, a plunger having one end freely movable within said solenoid and the other end pivotally connected to a portion of said hammer intermediate the ends of said hammer, said plunger having its free end lying in a plane above its pivoted end, a plurality of sounding members

located opposite each side of said hammer and in the path of the swing of said hammer whereby the solenoid will cause the hammer to move



upwardly and strike one sounding member, and upon the de-energizing of said solenoid the attraction of gravity will result in the sounding of the other sounding member.

2,247,642
LOAD BINDER
Joseph F. Neville, Woodruff, Utah
Application November 25, 1940, Serial No. 367,089
7 Claims. (Cl. 254—67)



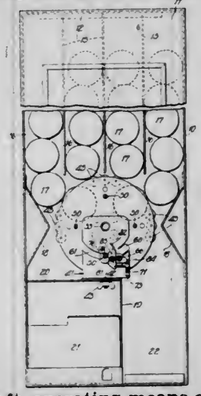
2. In a device of the class described, an elongated inclined frame whose lower end terminates at a substantially horizontal plane, a manually operable screw mounted longitudinally in said frame, means for connecting the ends of a load binder with the screw and the lower end of the frame respectively, and oppositely projecting lateral horns on said lower end of said frame and disposed on lines at substantially right angles to the length of said frame to rest upon the load and hold said frame against lateral tilting when tightening said screw to tighten the load binder.

2,247,643
HARDENING COBALT-NICKEL-CHROMIUM-IRON ALLOYS
Wilhelm Rohn, Hanau - on - the - Main, Franz Bollenrath, Berlin-Johannisthal, and Heinrich Cornelius, Berlin-Adlershof, Germany
No Drawing. Original application December 24, 1938, Serial No. 247,696. Divided and this application October 22, 1940, Serial No. 362,236. In Germany April 24, 1936
1 Claim. (Cl. 148—4)

Method of hardening an alloy consisting of from 14 to 17% chromium, 14 to 16% iron, 5 to 7% molybdenum, 0.05 to 7% tungsten, 15 to 27% cobalt, and 52 to 27% nickel, which method consists in cold working the said alloy.

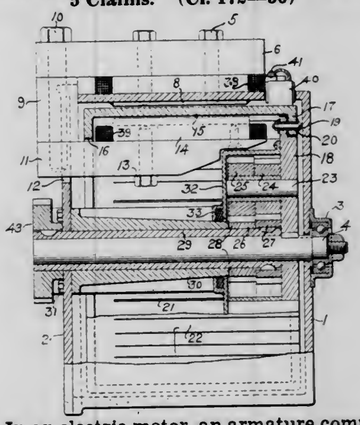
2,247,644
VENDING MACHINE
Jack E. Sellinger, Malverne, and Herman H. Richman, Brooklyn, N. Y., assignors to Naps Specialties Corporation, Brooklyn, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 300,114
5 Claims. (Cl. 312—48)

1. In a vending machine in combination, a cabinet having a movable front wall for closing the same, a plurality of article containing compartments within the cabinet, a rotary drum mounted beneath the article containing compartments and adapted to receive the articles singly therefrom, a drum supporting shaft rigidly carried by the rear wall of the cabinet and projecting forwardly therefrom, the forward end of said shaft having an axial recess therein, a bracket for supporting the forward end of said drum



supporting shaft, operating means carried by said movable front wall, said operating means including a stub shaft adapted for reception in the recess in the forward end of the drum supporting shaft when the movable front wall of the cabinet is in cabinet closing position, a drum operating arm carried by the stub shaft of the actuating means and movable into operative position to rotate the rotary drum when the movable front wall is in position to close the cabinet.

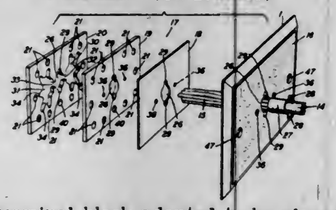
2,247,645
ELECTRIC STARTING MOTOR
Joseph W. Suydam, Bayport, N. Y.
Application May 13, 1940, Serial No. 334,883
5 Claims. (Cl. 172—36)



1. In an electric motor, an armature comprising a unitary hollow metal cylinder, a shaft revoluble axially with the said armature, an insulated disk secured to the open end of the said armature cylinder, a system of gearing connecting the said disk and shaft whereby the shaft is driven, the said armature being constructed with a series of slots extending lengthwise for a part of the length

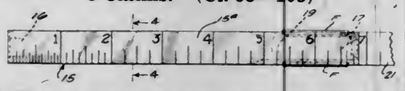
of said cylinder forming conducting bars, said disk being secured to the ends of said bars, field magnets having field coils with terminals adapted to be connected with a current source, field poles presented to the said bars, and brushes bearing on the said bars at different points around the slotted armature.

2,247,646
TERMINAL BLOCK
Roy V. Terry, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1940, Serial No. 334,327
2 Claims. (Cl. 174—59)



1. A terminal block adapted to be placed over an open end of a wire outlet receptacle in a building wall and comprising in combination an apertured face plate to cover an open end of the receptacle, an apertured slab of insulating material on the rear of said face plate, an indentation formed in the rear face of said slab, said indentation extending in the form of two narrow passageways from the aperture in said slab and then widening out in hand-like form on opposite sides of the aperture in the slab, terminals supported in spaced relation on said slab, finger-like extensions of said indentation extending toward said terminals and a bifurcated stop member supported on said slab and having leg portions extending over said passageways.

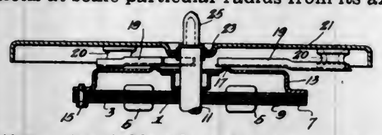
2,247,647
FOLDING RULE CONSTRUCTION
Chester West, Brooklyn, N. Y.
Application January 10, 1941, Serial No. 373,868
8 Claims. (Cl. 33—105)



1. The combination with a sectionalized rule of an indicia-bearing sheet-like device for protecting against wear a face of an end section of the rule or for replacing worn indicia of said face, said device being relatively thin as compared to the thickness of said end section and dimensioned to rest against and cover said face of said end section of the rule and having securing means operative at its ends for readily assembling and attaching it to the said end section, said securing means holding said relatively thin device flatwise against said face with the respective indicia thereof in registry.

2,247,648
MOTOR
Gregory W. Blessing, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 1, 1939, Serial No. 292,997
3 Claims. (Cl. 274—9)

1. In a phonograph, the combination of a prime mover including a rotary member subject to varying vibrations in a direction normal to its plane of rotation at different radii from its axis of rotation and having a minimum of such vibrations at some particular radius from its axis of



rotation, a turntable adapted to support a record for playing, a plurality of radially extending members secured to said rotary member at said particular radius circumferentially about said rotary member, and means coupling said turntable to said radially extending members.

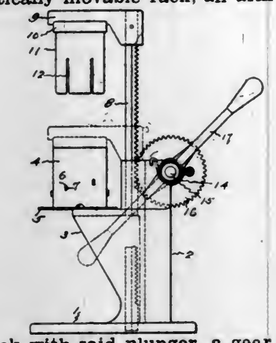
2,247,649
ARCHERY BOW
Frank T. Brooke, Staunton, Va., assignor of one-third to George Cottrell and one-third to Gilpin Willson, Jr., both of Staunton, Va.
Application December 7, 1939, Serial No. 307,947
4 Claims. (Cl. 124—23)



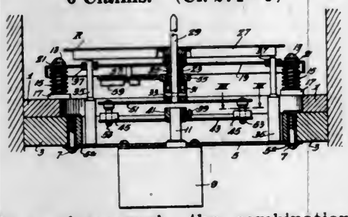
4. A bow for use in archery, comprising a bow stave having the periphery of its cross-section in the form of a continuous curve, a pair of pins having rounded peripheries projecting substantially diametrically and laterally outward from said bow stave near each end thereof, a bow string, loops of soft material of substantial thickness secured at each end to said bow string, and endless rubber bands passed through said loops, to form two loop portions of equal lengths, said loop portions being joined together and looped over the ends of said bow stave, and resting on and passing over the outer sides of said pins.

2,247,650
LEMON SLICER
Adolph E. Carlson, Farmington, Conn., assignor of one-half to Donald H. Rapelye, Farmington, Conn.
Application September 14, 1940, Serial No. 356,769
5 Claims. (Cl. 146—169)

1. A slicing machine which comprises a frame, a tubular casing for receiving and surrounding the fruit to be cut supported by the frame, a plurality of thin sharp blades with cutting edges extending horizontally across the interior of the casing and with their ends retained by the casing, a tubular plunger with inwardly and upwardly extending concaved fingers in its lower end, a vertically movable rack, an arm connecting the rack with said plunger, a gear rotatably supported by the frame and meshing with the rack, and means for rotating the gear.



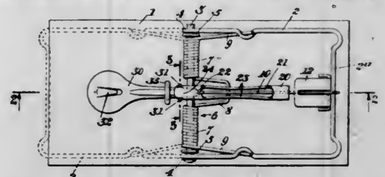
2,247,651
PHONOGRAPH
Benjamin R. Carson, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1939, Serial No. 276,685
6 Claims. (Cl. 274—9)



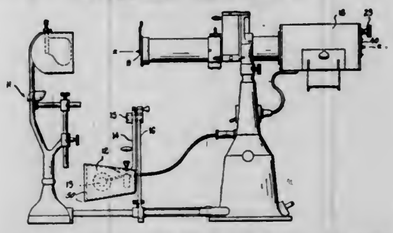
5. In a phonograph, the combination of a motor board, a motor plate carried thereby, a motor carried by said motor plate and having a driving shaft extending above said plate, a second plate resiliently supported on said motor board in spaced relation to said motor plate, a turntable spindle rotatably mounted on said second plate, means including shock absorbing elements connecting said plates to bring said shaft and said spindle into substantial alignment with each other, a pair of diametrically extending, superposed arms, one on each of said driving shaft and said turntable spindle, and resilient coupling elements connecting the ends of said arms whereby to provide a driving connection between said shaft and said spindle, said resilient elements and said shock absorbing elements serving to absorb vibrations originating in said motor to prevent their transference to said spindle.

2,247,652
ANIMAL TRAP
Frank H. Dougherty, Lancaster, Pa., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application June 12, 1937, Serial No. 147,844
18 Claims. (Cl. 43—83.5)

1. In an animal trap having a base, a spring actuated jaw pivotally supported thereon, a locking member, and a counterbalanced trip lever carrying a trigger positioned for engagement by said locking member in the set position of the trap, that improvement which consists in providing the trip lever with separate bait holding and counterweight portions interengaged to turn in the same direction when the bait holding portion is depressed and their engagement being pivotal for relative movement of the bait holding portion when raised.



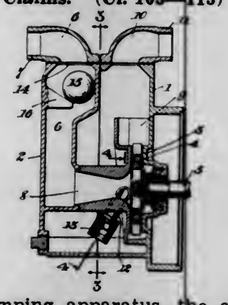
2,247,653
METHOD OF TESTING EYES
Jacob B. Feldman, Philadelphia, Pa.
Application January 24, 1938, Serial No. 186,574
4 Claims. (Cl. 88—20)



1. The method of examining an individual for pathological conditions including the steps of exposing the eyes of said individual to a source of illumination of a controlled given relatively high intensity for a given period of time sufficient to use up a substantial portion of the visual purple of the eyes and for a duration to establish a substantially stable physiological state, shutting off said relatively high source of illumination, waiting a given spaced time interval, exposing at the end of said given time interval a normally very low intensity source of illumination within the field of vision of the eyes and initially increasing the intensity of said relatively low source of illumination until an intensity is reached wherein the individual reports vision of said low intensity source of illumination, reducing said low intensity source of illumination below the threshold of vision for a given period of time substantially equal to the first time interval, observing the initial time lapse and the particular intensity required in order to render said low intensity source of illumination initially visible to the eyes of the individual, again waiting a given period of time substantially equal to the first time interval and again increasing the low intensity source of illumination at the lapse of said given time interval with said low intensity source of illumination being first reduced below the threshold of vision and then increasing the intensity of said source of illumination until the individual again reports visibility thereof, observing the time lapse for the particular intensity required in order to render said low intensity source of illumination visible for the second exposure and repeating said substantially equal time lapses and exposures until the threshold of vision becomes constant, plotting a dark adaptation graph from observations of the time-light study and comparing same with standard graphs prepared from similar tests of known pathological patients to determine the presence of a pathological condition in the individual as indi-

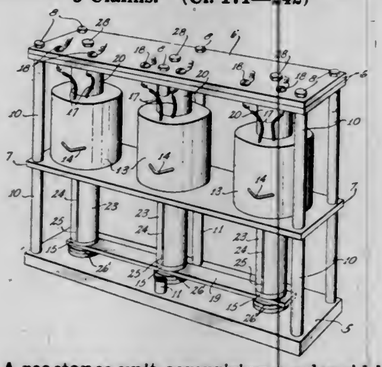
cated by the similarity of the individual's graph with that of a patient having a known pathological condition.

2,247,654
PUMPING APPARATUS
Charles Hiram Ferguson, Valhalla, N. Y.
Application December 29, 1938, Serial No. 248,220
6 Claims. (Cl. 103—113)



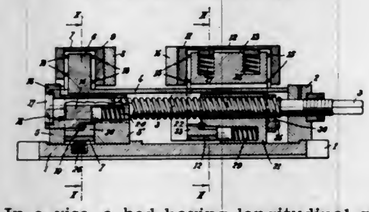
4. In a pumping apparatus, the combination with a priming reservoir, of a centrifugal pump comprising a casing and rotor, a main inlet communicating with the pump casing by a Venturi passage substantially coaxial with the axis of the rotor, said pump casing having a discharge passage and a communication therefrom to the priming reservoir, a priming passage connecting the priming reservoir with the zone of low pressure of said Venturi passage, at one side of the same, and closely adjacent the pump casing, the axis of the priming passage being offset from the axis of the Venturi passage in the direction of rotation of the rotor, said priming passage comprising a collapsible tube, the walls of which are formed of elastic material capable of collapsing together to close the priming passage by the suction of the pump when fully primed, to prevent further recirculation through the priming passage and secure maximum delivery from the pump.

2,247,655
VOLTAGE CONTROL FOR SYNCHRONOUS MOTORS
James L. Fields, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application June 26, 1937, Serial No. 150,562
3 Claims. (Cl. 171—242)



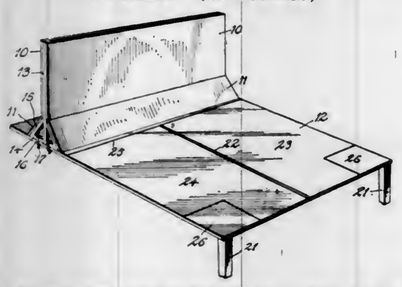
1. A reactance unit comprising a solenoid having a vertically disposed opening therein, a rack having upper and lower cross members, means intermediate said cross members for supporting said solenoid, a cylindrical casing in said opening in said solenoid, a centrally disposed rod in said casing, and a magnetic core surrounding said rod and normally disposed externally of said casing, said core being adapted to be rapidly drawn within said casing, said upper cross member limiting the movement of said core in a position within said casing providing the greatest reactance to currents through said solenoid, and said lower cross member limiting the movement of said core in its position externally of said casing.

2,247,656
VISE
Bruno Friedrich, Vienna, Germany
Application December 8, 1938, Serial No. 244,527
In Austria December 9, 1937
5 Claims. (Cl. 90—60)



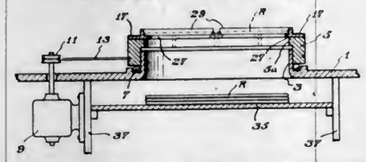
1. In a vise, a bed having longitudinal guides, jaw members for clamping pieces of work, jaw member holders rigidly connected with said jaw members, jaw carriers movably connected with said jaw member holders and comprising guide means providing for motion of said jaw member holders relatively to said carriers in a direction at a right angle to said bed, slide members connected with said carriers and being movably connected with said bed and being guided by said longitudinal guides, a threaded spindle revolvably connected with said bed and with said slide members and effecting relative movement of said slide members with respect to one another and to said bed upon rotation of said spindle, tilting members interposed between said slide members and said jaw member holders and affording a movement of said jaw member holders relatively to said slide members and said carriers and towards said bed upon exertion of pressure on said jaw members.

2,247,657
GAME APPARATUS
Barney B. Girden, Lebanon, Conn.
Application April 2, 1940, Serial No. 327,433
2 Claims. (Cl. 273—30)



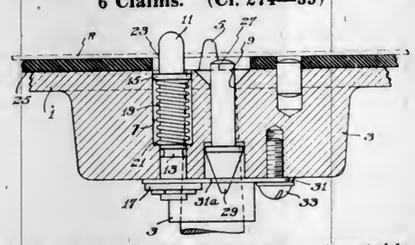
1. In a game apparatus, the combination of a horizontal member having a horizontal playing surface, a back member having a playing surface in upright relation to said horizontal playing surface of the horizontal member, and an angle member having an unobstructed inclined playing surface projecting from said upright playing surface into contact with said horizontal playing surface of said horizontal member to provide an inclined continuous surface between and in contact with said horizontal playing surface and said upright playing surface.

2,247,658
PHONOGRAPH
Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 7, 1938, Serial No. 233,733
16 Claims. (Cl. 274—39)



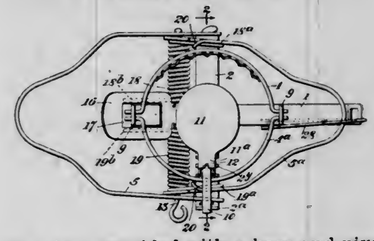
4. In combination, a phonograph turntable for supporting a record during playing comprising a plurality of substantially contiguous parts pivotally connected to each other and relatively movable to and from contiguous relation, said parts including record supporting members spaced apart less than the diameter of a record when said parts are in contiguous relation whereby they are adapted to support a record and being spaced apart more than the diameter of a record when said parts are in separated relation whereby they are then adapted to release a record, means constantly urging said parts into record supporting relation, means on said parts adapted to coact with the periphery of a record to center the record on the turntable, means adapted to move said parts from record supporting to record releasing relation, and means supporting said turntable for rotation in its own plane.

2,247,659
PHONOGRAPHIC APPARATUS
John J. Hoehn, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application May 7, 1940, Serial No. 333,705
6 Claims. (Cl. 274—39)



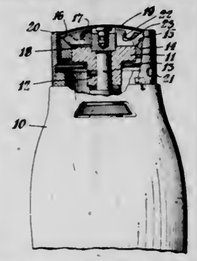
1. In phonographic apparatus, a turntable for supporting a record in operative position, said turntable including a driving pin arranged eccentrically with respect to the turntable center and adapted to be received in a corresponding eccentric opening in the record to provide driving engagement therewith, said driving pin being movably mounted on said turntable for movement between an elevated position wherein said driving pin extends above the record-supporting surface of said turntable and a lowered position wherein the tip of said driving pin is substantially flush with said surface, yieldable means constantly urging said driving pin to said elevated position, said means being adapted to yield under the weight of a record on said turntable whereby to effect lowering of said driving pin to said lowered position when a record is placed thereon which has no corresponding eccentric opening to receive said pin, and means for releasably locking said driving pin in said lowered position.

2,247,660
ANIMAL TRAP
John U. Lehn, Lititz, Pa., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application September 23, 1939, Serial No. 296,229
3 Claims. (Cl. 43—92)



1. In a trap provided with a base and pivotally mounted spring actuated opposed jaws, a pan having parallel ears, pivotally connected with the base, and a trigger portion between said ears, and a latch pivoted to said base, and having its free end adapted to engage the under surface of the trigger portion, said trigger portion being provided with a sight aperture of less width than the latch through which the trigger engaging portion of the latch may be viewed in setting the trap to predetermine the distance of the point of engagement of the latch with the trigger portion from the outer end of the latter, to regulate the distance of travel of the pan to effect the springing of the trap and to prevent premature and accidental springing thereof.

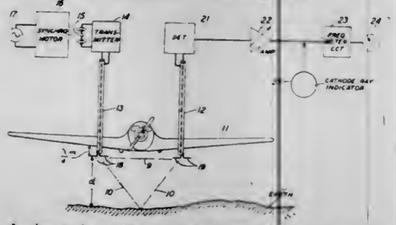
2,247,661
SHAVING DEVICE
Frederick E. Moskovics, Greenwich, Conn., and Victor R. Abrams, Maplewood, N. J., assignor, by direct and mesne assignments, to Eleanor U. Andrews, Greenwich, Conn.
Application August 24, 1938, Serial No. 226,410
7 Claims. (Cl. 30—43)



1. In a shaving device, the combination of a thin shear plate having a curved surface formed as at least a part of a surface of revolution and having a multiplicity of perforations therein, a blade supporting member movable about an axis

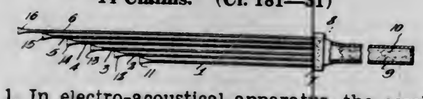
coincident with the axis of revolution of the shear plate, at least one guide on said member extending substantially radially to the axis of movement thereof, a blade in and movable radially of the guide into cutting engagement with said shear plate in response to movement of said member, said blade comprising a body member maintained and movable in substantially constant angular relationship to said member, and a portion extending laterally from said body member in the direction of movement of said blade supporting member and having a sharp cutting edge formed by at least two intersecting surface portions, one of which engages and is symmetric with the shear plate and the other is inclined at an angle thereto.

2,247,662
RADIANT ENERGY DISTANCE MEASURING SYSTEM
Russell C. Newhouse, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 16, 1938, Serial No. 240,739
19 Claims. (Cl. 250—1)



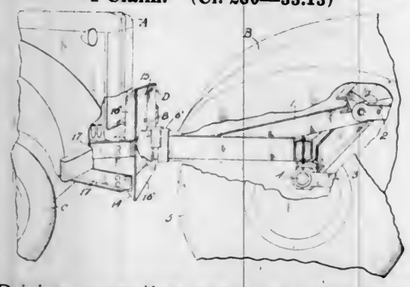
1. A terrain clearance indicating system for rapidly moving aircraft comprising means for radiating an electromagnetic wave of varying wavelength from the craft toward the earth, means for directly receiving the instantly transmitted wave on said craft and means for receiving said wave on the craft after it has been reflected from the earth, means responsive to the reflected wave received upon the craft and the instant wave received upon the craft for producing a current having a fequency which is dependent upon the time interval required for said wave to travel to the earth and back, means for amplifying said current, means comprising an electrical equalizing circuit operatively coupled with said amplifying means for causing the over-all frequency-gain characteristic of said equalizing circuit and said amplifying means to compensate for the normal variation of attenuation of said reflected wave with the variation in the distance being measured, and means responsive to said amplified current for indicating the clearance of said aircraft with respect to the surface of the earth beneath it.

2,247,663
ELECTROACOUSTICAL APPARATUS
Harry F. Olson, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application October 31, 1938, Serial No. 237,960. Divided and this application May 22, 1940, Serial No. 336,542
14 Claims. (Cl. 181—31)



1. In electro-acoustical apparatus, the combination of a vibratile member adapted to be actuated by acoustical waves, a plurality of open-ended tubular elements adapted to receive acoustical waves and transmit said waves along their lengths, said elements being coupled to one side of said member whereby to direct acoustical waves to said member, and means providing an acoustical resistance coupled to the opposite side of said member and terminating said member, said tubular elements including means differentially responsive to different sound frequencies for discriminating with respect to certain predetermined frequencies.

2,247,664
PUSH CONNECTOR FOR VEHICLES
Ralph T. Osman, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application March 25, 1940, Serial No. 325,917
1 Claim. (Cl. 280—33.13)

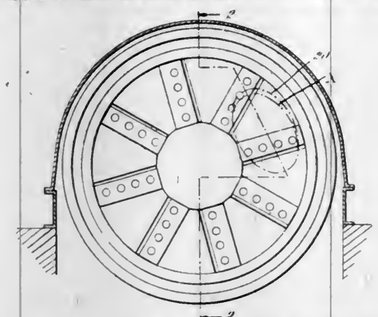


Driving connecting means for transmitting a driving force between a driving and driven vehicle comprising a pushing device including a substantially flat perpendicular plate provided with an outer flat pushing surface, a bumper member adapted to be supported by a driven vehicle and having a portion adapted to engage and shift over the surface of the flat plate incident to the pushing action of the latter when carried by a driving vehicle, supporting means for the said flat plate structure to carry same upon a driving vehicle, said flat plate structure being provided at its edges with flange portions to resist the disengagement of the bumper member from the flat pushing surface of the flat plate, said flat plate being of many times the area of the bumper member so that the latter may freely shift over the surface of the plate in the pushing action of the latter without tendency of the plate to shift the bumper member in a vertical or horizontal direction or combinations of such directions.

2,247,665
CHIPPER
Peter N. Ottersland, Watertown, N. Y.
Application July 13, 1938, Serial No. 219,103
3 Claims. (Cl. 144—176)

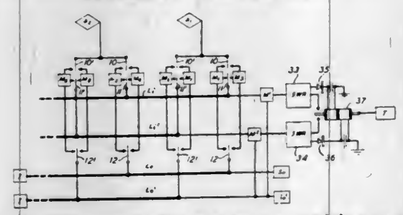
1. In combination, a log chipper comprising a rotatable disk, a plurality of cutting knives carried thereby and symmetrically arranged thereon, said disk having a chip discharge slot in front of each knife in the direction of rotation of the disk, an inclined chute for supporting and feeding logs by gravity to the chipper and guiding logs to the chipper at an angle thereto, said knives being so arranged on the disk that each knife will extend across the full width of the discharge end of the chute and cut for the full width of the log from the top to the bottom thereof and

said knives being so disposed on the disk that the spacing of the knives on the disk is less than the diameter of the discharge end of the chute and a



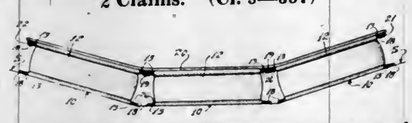
plurality of knives will register simultaneously with the discharge end of the chute and be in simultaneous cutting operation on a log, said knives being inclined away from the plane of the disk.

2,247,666
DIRECTIONAL ANTENNA SYSTEM
Ralph K. Potter, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 2, 1939, Serial No. 287,911
14 Claims. (Cl. 250—11)



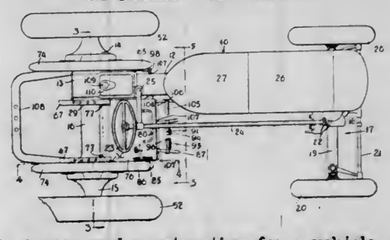
1. A directive radio system comprising a plurality of spaced antenna units constituting an array and a corresponding plurality of similarly spaced modulators each positioned at and directly connected through a path of negligible length to a different unit, a transmission line, a high frequency oscillator connected to said line, said modulators being connected to said line at points separated a distance substantially equal to the spacing between said units, a translation device at a terminal station, and a common intermediate frequency line extending to said device and having connection at each of the antenna unit locations with the associated modulator.

2,247,667
MATTRESS
Max Rosberger, Newark, N. J.
Application January 24, 1941, Serial No. 375,721
2 Claims. (Cl. 5—357)



1. A mattress comprising two or more elongated sectional members of rectangular configuration, each member being provided with side and end walls and corners, said member having secured to the side walls at the upper edges thereof elongated fabric strips protruding beyond the planes of the sides thereof, said strips being secured, at one edge, to the mattress section, providing for the free flexing and pivoting of the fabric strips, separable fastener units secured to and coextensive with the free ends of the fabric strips, whereby, by aligning said sectional members in parallel relation with the fastener units in abutment, said sections may be secured together at their upper longitudinal edges with the abutting separable fastener units intermediate and pivotally connecting the mattress sections at their upper longitudinal edges, to enable movement of the sections angularly relatively to each other while presenting a substantially continuous upper surface and with separable fastener units along the outer transverse edges of the end mattress sections, a pad member, and fabric strips curled upon themselves and secured at one edge along the under side of the pad member adjacent the outer transverse edges thereof, the free edges of the fabric strips being disposed in a plane substantially parallel with the pad member and being provided with separable fastener elements adapted to be engaged with the fastener elements along the outer transverse edges of the end mattress sections whereby the pad may be superimposed on and cover the mattress section members and the fastener units therebetween.

2,247,668
VEHICLE
William C. Rosenthal, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 8, 1940, Serial No. 339,428
34 Claims. (Cl. 180—1)

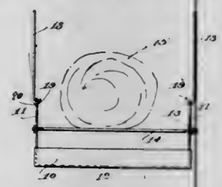


1. A rear end construction for a vehicle, comprising a longitudinal frame, a housing carried at and closely adjacent one side of the frame, a ground support carried by said housing, a second housing carried at and spaced a substantial distance transversely from the other side of the frame, a ground support carried by said second housing, an operator's platform disposed between the frame and the second housing and including a supporting part, means carrying one side of the platform on the frame, means carrying the other side of the platform on the second housing, and a control shaft carried by the supporting part and by the frame.

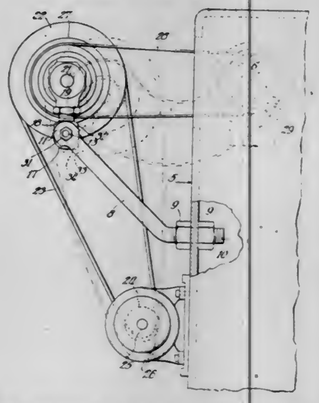
2,247,669
BARBECUE ROASTER
Martin Salnich, Livingston, Mont.
Application August 19, 1940, Serial No. 353,295
4 Claims. (Cl. 53—5)

1. A barbecue roaster comprising a substantially rectangular pan having two opposite walls of greater height than the two other opposite walls, parallel rods removably disposed in oppositely alined rows of openings in said higher

walls above the lower walls to permit access to the pan below the rods, and means for preventing accidental endwise displacement of the rods in one direction.



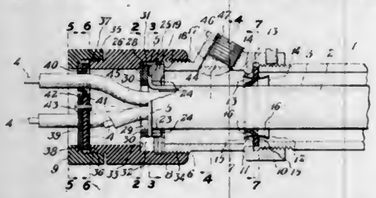
2,247,670
POWER TRANSMITTING MEANS
John H. Sharp, Chicago, Ill.
Application April 17, 1940, Serial No. 330,079
2 Claims. (Cl. 74—242.15)



1. In a device of the class described and in combination, a frame, a driving shaft and a driven shaft mounted thereon, spaced brackets mounted on said frame, said brackets having apertures therein, a rod mounted in said apertures, supporting members pivotally mounted on said rod adjacent each bracket, a counter-shaft rotatably mounted in said members, pulleys on the respective shafts, belts operatively related to said pulleys, spacing means on said rod for retaining the upper end portions of said brackets in relatively fixed relationship, and releasable means on said rod and cooperable with said spacing means for securing said members in fixed position with respect to said brackets.

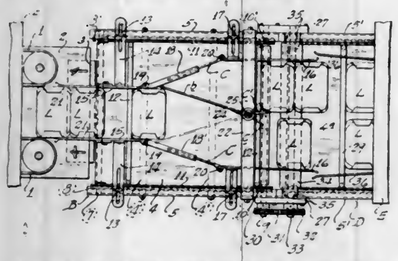
2,247,671
CABLE SEAL
Herman A. Tepel, Cleveland Heights, Ohio, assignor of one-half to John C. Boyton, Cleveland, Ohio
Application September 14, 1938, Serial No. 229,803
8 Claims. (Cl. 174—76)

6. A sealing structure for sealing electric cable means including at least one cable unit extending outwardly from a conduit, a sheath for the unit and at least one conductor extending outwardly from the unit beyond the end of the sheath, said structure comprising an inner casing mounted at its inner end upon the conduit and enclosing and forming an inner chamber around the outwardly extending sheathed cable unit, an extension casing mounted upon the outer end of the inner casing and enclosing and forming an outer chamber around a portion of the outwardly extending conductor, a ring bushing mounted upon the outer end of the extension casing, a partition interposed between the end of the conduit and the inner casing having an aperture for embracing the said unit in substantially liquid tight relation, whereby the inner chamber is sealed from the conduit, a pair of plates interposed between the inner casing and the extension casing, formed with opposed shoulders clamping



a portion of the sheath and provided with an aperture establishing communication between the inner chamber and the outer chamber, and a second partition interposed between the extension casing and the ring bushing having an aperture for embracing the conductor in substantially liquid tight relation, whereby the outer chamber is externally sealed, and at least one of said casings being provided with a filling opening adapted to receive molten sealing compound.

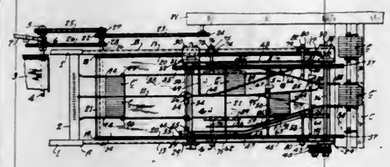
2,247,672
ARTICLE HANDLING MACHINERY
Walter A. Thum, St. Louis, Mo., assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application January 5, 1939, Serial No. 249,373
4 Claims. (Cl. 198—31)



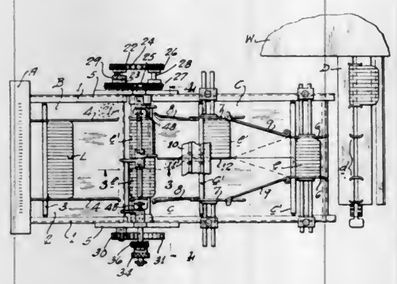
1. Article handling mechanism including a pair of trackway defining members, said members including first parallel portions adjustably spaced for accommodating therebetween merely a single row of the articles being handled, second parallel portions adjustably spaced for accommodating therebetween a plurality of rows of said articles, and oppositely oblique lengthwise extensible intermediate portions connecting the first and second portions.

2,247,673
BREAD-LOAF FRACTIONATING MECHANISM
Walter A. Thum, St. Louis, Mo., assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application June 21, 1939, Serial No. 280,395
20 Claims. (Cl. 146—153)

1. Bread-loaf fractionating mechanism comprising, in combination, means for continuously progressing a sliced loaf along a first path, means engageable with a fractional portion of the loaf for advancing said portion at an accelerated rate of speed away from the remainder of the progressing loaf and along a path obliquely disposed to the first path, and means for subsequently shifting the remainder of the progressing loaf for continuing travel by said first means along a third path.



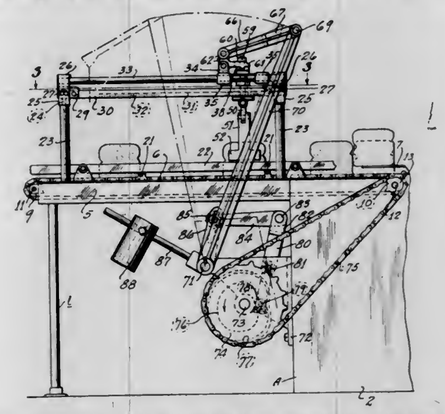
2,247,674
MECHANISM FOR SUBDIVIDING SLICED BAKED BREAD LOAVES
Walter A. Thum, St. Louis, Mo., assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application June 21, 1939, Serial No. 280,396
15 Claims. (Cl. 146—153)



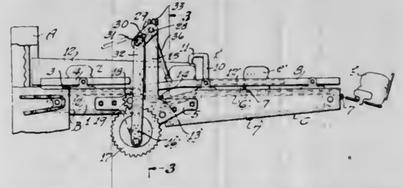
1. Sliced bread loaf handling mechanism comprising, in combination, first conveyor means, second conveyor means spaced forwardly from and in longitudinal alignment with the first conveyor means, a dead plate disposed intermediate said conveyor means for successively receiving the sliced loaves from the first conveyor means, and means including pusher arms axially rotatable over the plate in timed relation with movement of the second conveyor means for transferring the loaves from said plate to, and for movement by, the second conveyor means.

2,247,675
BAKED BREAD LOAF HANDLING EQUIPMENT
Walter A. Thum, St. Louis, Mo., assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application April 22, 1940, Serial No. 330,965
18 Claims. (Cl. 198—33)

1. Bread loaf handling mechanism comprising a conveyor for progressing a bread loaf, in combination with means including co-operable arms having faces disposed at right angles to the longitudinal axis of the loaf for gripping said loaf and turning the same end for end.



2,247,676
SLICED BAKED BREAD LOAF HANDLING MECHANISM
Walter A. Thum, St. Louis, Mo., assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application April 22, 1940, Serial No. 330,966
5 Claims. (Cl. 146—153)

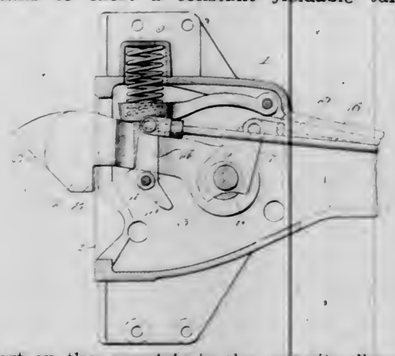


1. Sliced bread loaf fractionating mechanism comprising, in combination, first conveyor means, second conveyor means spaced from and disposed in longitudinal alignment with the first conveyor means, dead plate disposed intermediate said conveyor means for successively receiving each sliced loaf from the first conveyor means and supporting the received loaf in stationary position, and means including an oscillatory member operable to engage a fractional portion of such loaf while in such stationary position and transfer such portion from said receiving means to the second conveyor means.

2,247,677
TIGHT-LOCK CAR, AIR, AND ELECTRIC COUPLER
Herbert E. Van Dorn, Chicago, Ill., assignor to Dornvan Corporation, a corporation of Illinois
Application November 5, 1938, Serial No. 239,028
10 Claims. (Cl. 213—104)

1. In combination, a car coupler head, a link arranged in the head and projecting therefrom for cooperation with a similar link on a companion coupler in the act of coupling, an eccentric mounted in the head for rotation about an axis transverse to the longitudinal axis of the head forming a pivot pin engaged with the inner end of the link, means to turn the eccentric in the direction to shift the link outwardly, and

means to exert a constant yieldable turning



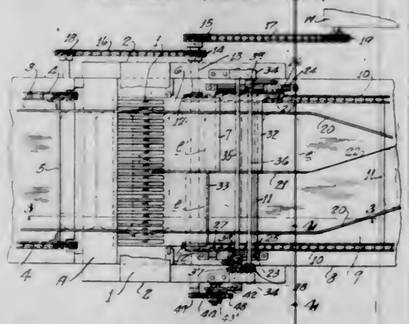
effort on the eccentric in the opposite direction while two couplers are coupled together.

2,247,678

SLICED BREAD LOAF FRACTIONATING MECHANISM

Anthony H. Wolf and Walter A. Thum, St. Louis, Mo., assignors to Papendick, Inc., St. Louis, Mo., a corporation of Missouri

Application June 21, 1939, Serial No. 280,398
14 Claims. (Cl. 146—153)



1. Bread loaf fractionating mechanism including, in combination, a stationary delivery-plate, a divider plate, a pair of movable plates disposed on opposite sides of the divider plate and shiftable from loaf-supporting position forwardly of the delivery plate to a position under the delivery-plate, and means for shifting the movable plates in predetermined timed relation to each other.

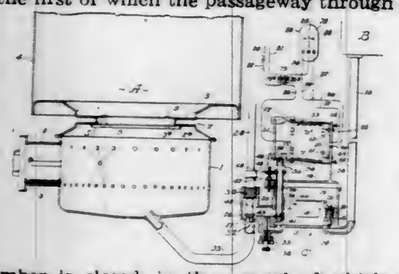
2,247,679

LIQUID FUEL BURNING APPARATUS

Theodore B. Focke, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application May 16, 1939, Serial No. 272,969
7 Claims. (Cl. 236—68)

5. In combination, a liquid fuel burner, a source of liquid fuel supply, and fuel feeding and governing means through which said source communicates with said burner including a delivery element functioning to continually deliver fuel from said source to said burner in sufficient quantity to sustain operation of the burner at low fire, said means comprising a casing enclosing a valve chamber interposed between said source and said burner independent of said delivery element, said chamber having a single through passageway, a pair of valve members operable within said chamber and cooperating to control the passage of fuel through said passageway, said valve members being movable to three different relative positions in the first of which the passageway through the



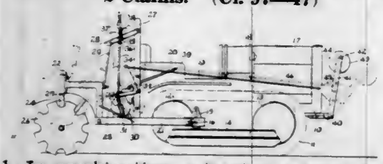
chamber is closed, in the second of which the passageway through the chamber is partially open, and in the third of which said passageway is entirely open, and thermostatically controlled means for moving said valve members.

2,247,680

AGRICULTURAL IMPLEMENT

William S. Graham, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application April 19, 1938, Serial No. 202,922
2 Claims. (Cl. 97—47)



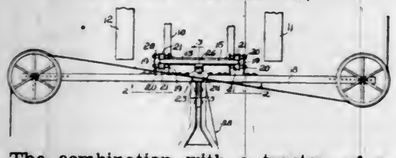
1. In combination, a tractor, a ground-engaging implement carried by the tractor for movement about a horizontal axis, an upstanding arm carried at a forward portion of the tractor for movement about a transverse horizontal axis, a weight pivotally carried at the upper end of the arm with a greater mass of the weight depending below the pivot, the weight and arm being thereby movable relative to the tractor, and the weight being movable relative to the arm, and means interconnecting the arm and the implement, movement of the implement from the ground moving the weight and arm forwardly to counterbalance the implement, the aforesaid pivotal connection between the weight and the arm providing for substantially maximum forward movement of the greater mass of the weight with respect to the arm and to the tractor.

2,247,681

CONNECTION FOR PLANTERS TO TRACTORS

Clarence C. Haas, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey

Application January 28, 1939, Serial No. 253,390
16 Claims. (Cl. 111—48)



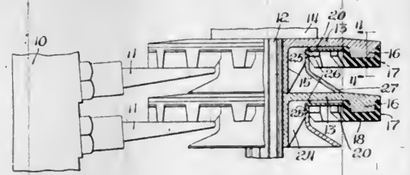
3. The combination with a tractor, of a U-shaped member having arcuate sides and connected by its ends to the tractor, a sheave-carrying beam loosely mounted at its center on the tractor, and pairs of rollers secured to the beam and embracing the arcuate sides of the U-shaped member.

2,247,682

COTTON PICKER

Clarence R. Hagen, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application March 18, 1939, Serial No. 262,751
7 Claims. (Cl. 56—41)



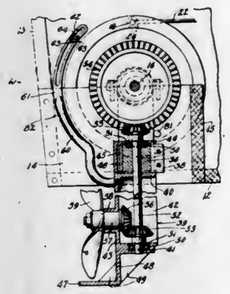
1. A doffing unit for a cotton picker of the rotating spindle type, comprising a disk-like support having a plurality of circumferentially spaced, axially projecting lugs, a doffer element of resilient material mounted on said support, said element having doffing portions fitted over said lugs and web-connecting portions joining said doffing portions, and a securing element for said doffing element consisting of an annular plate having projections extending between the doffing portions of the doffing element and fitting against the web-connecting portions.

2,247,683

BOAT AND PROPELLING MECHANISM THEREFOR

Edward F. Heise, Devon, Conn.

Application March 26, 1938, Serial No. 198,195
3 Claims. (Cl. 115—24)



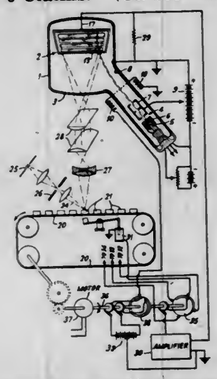
1. For use with a boat, the combination of a driving mechanism; propelling means actuated by said driving mechanism; steering means for turning said propelling mechanism relative to the longitudinal axis of the boat; and means for pivoting said propelling means freely about a normally horizontal axis independently of said steering means, said steering means including an arcuate post attached to said propelling means and extending around and above said horizontal axis and operating means attached to said post at an adjustable point of attachment.

2,247,684

PHOTOELECTRIC SORTING APPARATUS

Willard H. Hickok, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 31, 1940, Serial No. 363,668
6 Claims. (Cl. 209—111)



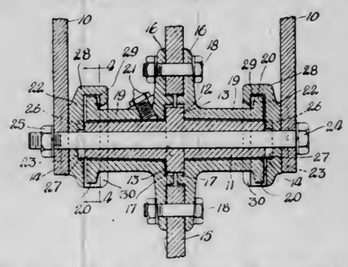
1. A photoelectric sorting apparatus comprising a photoelectrically sensitive tube including means to generate an electron beam, a target electrode having a plurality of elongated photosensitive charge storage elements, capacitive means associated with said charge storage elements, and means to scan said beam over said elements, a conveyor adapted to support a plurality of objects to be sorted corresponding in number to the number of said elements, a lens system between said conveyor and said target electrode to focus an elongated image of each of said objects on a corresponding charge storage element, to produce a stored electrostatic charge representative of the light received from said objects and means responsive to the stored charge on each of said charge storage elements to reject the objects from said conveyor failing to conform to a predetermined standard of light reflection from said objects.

2,247,685

WHEEL ASSEMBLY

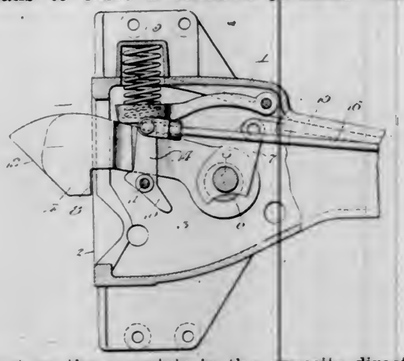
James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application December 1, 1938, Serial No. 243,465
8 Claims. (Cl. 308—19)



1. In a wheel construction, the combination with a pair of spaced supports, of a shaft disposed transversely therebetween and formed with a central thrust flange, a wheel rotatably carried by the shaft and having hubs disposed at opposite sides of the thrust flange, a pair of collars slidably associated respectively with the supports

means to exert a constant yieldable turning



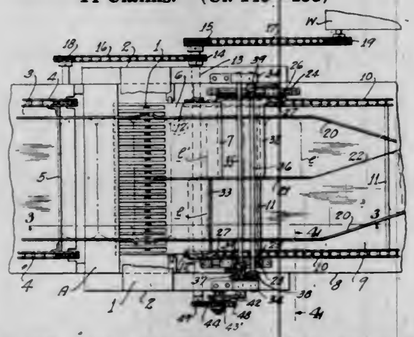
effort on the eccentric in the opposite direction while two couplers are coupled together.

2,247,678

SLICED BREAD LOAF FRACTIONATING MECHANISM

Anthony H. Wolf and Walter A. Thum, St. Louis, Mo., assignors to Papendick, Inc., St. Louis, Mo., a corporation of Missouri

Application June 21, 1939, Serial No. 280,398
14 Claims. (Cl. 146—153)



1. Bread loaf fractionating mechanism including, in combination, a stationary delivery-plate, a divider plate, a pair of movable plates disposed on opposite sides of the divider plate and shiftable from loaf-supporting position forwardly of the delivery plate to a position under the delivery-plate, and means for shifting the movable plates in predetermined timed relation to each other.

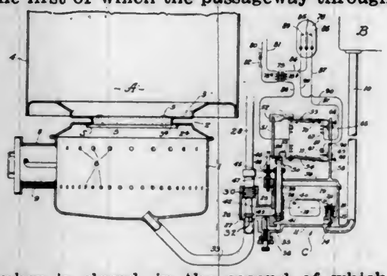
2,247,679

LIQUID FUEL BURNING APPARATUS

Theodore B. Focke, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application May 16, 1939, Serial No. 273,969
7 Claims. (Cl. 236—68)

5. In combination, a liquid fuel burner, a source of liquid fuel supply, and fuel feeding and governing means through which said source communicates with said burner including a delivery element functioning to continually deliver fuel from said source to said burner in sufficient quantity to sustain operation of the burner at low fire, said means comprising a casing enclosing a valve chamber interposed between said source and said burner independent of said delivery element, said chamber having a single through passageway, a pair of valve members operable within said chamber and cooperating to control the passage of fuel through said passageway, said valve members being movable to three different relative positions in the first of which the passageway through the



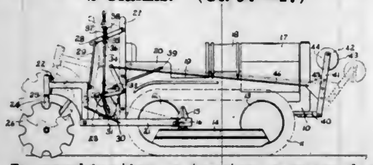
chamber is closed, in the second of which the passageway through the chamber is partially open, and in the third of which said passageway is entirely open, and thermostatically controlled means for moving said valve members.

2,247,680

AGRICULTURAL IMPLEMENT

William S. Graham, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application April 19, 1938, Serial No. 202,922
2 Claims. (Cl. 97—47)



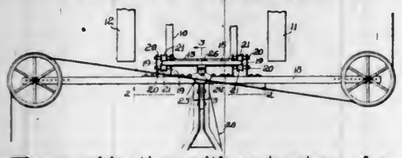
1. In combination, a tractor, a ground-engaging implement carried by the tractor for movement about a horizontal axis, an upstanding arm carried at a forward portion of the tractor for movement about a transverse horizontal axis, a weight pivotally carried at the upper end of the arm with a greater mass of the weight depending below the pivot, the weight and arm being thereby movable relative to the tractor, and the weight being movable relative to the arm, and means interconnecting the arm and the implement, movement of the implement from the ground moving the weight and arm forwardly to counterbalance the implement, the aforesaid pivotal connection between the weight and the arm providing for substantially maximum forward movement of the greater mass of the weight with respect to the arm and to the tractor.

2,247,681

CONNECTION FOR PLANTERS TO TRACTORS

Clarence C. Haas, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey

Application January 28, 1939, Serial No. 253,390
16 Claims. (Cl. 111—48)



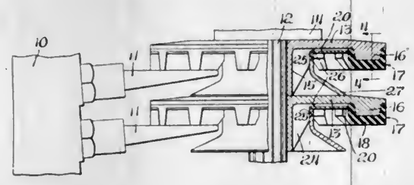
3. The combination with a tractor, of a U-shaped member having arcuate sides and connected by its ends to the tractor, a sheave-carrying beam loosely mounted at its center on the tractor, and pairs of rollers secured to the beam and embracing the arcuate sides of the U-shaped member.

2,247,682

COTTON PICKER

Clarence R. Hagen, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application March 18, 1939, Serial No. 262,751
7 Claims. (Cl. 56—41)



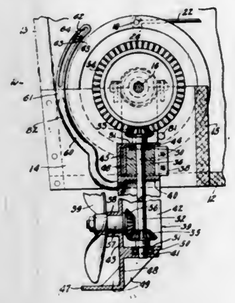
1. A doffing unit for a cotton picker of the rotating spindle type, comprising a disk-like support having a plurality of circumferentially spaced, axially projecting lugs, a doffer element of resilient material mounted on said support, said element having doffing portions fitted over said lugs and web-connecting portions joining said doffing portions, and a securing element for said doffing element consisting of an annular plate having projections extending between the doffing portions of the doffing element and fitting against the web-connecting portions.

2,247,683

BOAT AND PROPELLING MECHANISM THEREFOR

Edward F. Heise, Devon, Conn.

Application March 26, 1938, Serial No. 198,195
3 Claims. (Cl. 115—24)



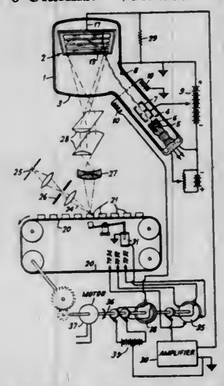
1. For use with a boat, the combination of a driving mechanism; propelling means actuated by said driving mechanism; steering means for turning said propelling mechanism relative to the longitudinal axis of the boat; and means for pivoting said propelling means freely about a normally horizontal axis independently of said steering means, said steering means including an arcuate post attached to said propelling means and extending around and above said horizontal axis and operating means attached to said post at an adjustable point of attachment.

2,247,684

PHOTOELECTRIC SORTING APPARATUS

Willard H. Hickok, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 31, 1940, Serial No. 363,668
6 Claims. (Cl. 209—111)



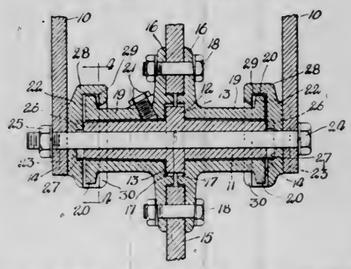
1. A photoelectric sorting apparatus comprising a photoelectrically sensitive tube including means to generate an electron beam, a target electrode having a plurality of elongated photosensitive charge storage elements, capacitive means associated with said charge storage elements, and means to scan said beam over said elements, a conveyor adapted to support a plurality of objects to be sorted corresponding in number to the number of said elements, a lens system between said conveyor and said target electrode to focus an elongated image of each of said objects on a corresponding charge storage element, to produce a stored electrostatic charge representative of the light received from said objects and means responsive to the stored charge on each of said charge storage elements to reject the objects from said conveyor failing to conform to a predetermined standard of light reflection from said objects.

2,247,685

WHEEL ASSEMBLY

James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey

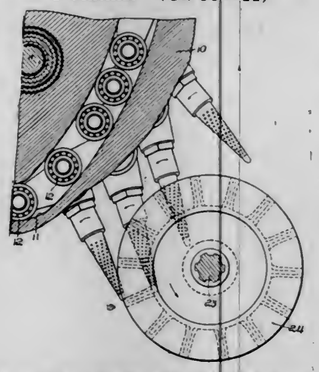
Application December 1, 1938, Serial No. 243,465
8 Claims. (Cl. 308—19)



1. In a wheel construction, the combination with a pair of spaced supports, of a shaft disposed transversely therebetween and formed with a central thrust flange, a wheel rotatably carried by the shaft and having hubs disposed at opposite sides of the thrust flange, a pair of collars slidably associated respectively with the supports

and slidably removable therefrom in a direction generally radially of the shaft, each having a recess therein for supporting the proximate end of the shaft, each collar further having a portion formed with a second recess surrounding the proximate end of the respective hub, means between the shaft and the collar for holding said parts against relative rotation, and means between the collars and the supports normally holding the collars against sliding movement with respect to the supports.

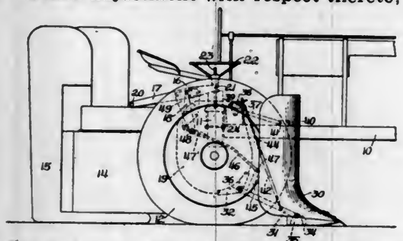
2,247,686
COTTON PICKER
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 25, 1938, Serial No. 242,238
4 Claims. (Cl. 56—44)



1. In a cotton picker having rotatable conical picking spindles, means for bodily moving said spindles through a doffing area, said spindles being tilted at an angle such that one edge of each moves through a plane, said spindle being formed with steep spiral rows of teeth, said rows being at a small angle with respect to the axis of the spindles, and a circular rotatable doffer element arranged with the doffing surface in a plane at right angles to the axis of rotation, said doffing element being rotatable in a direction such that the doffing surface moves in a direction opposite to the bodily movement of the spindle, said spindle being rotated in a direction with the surface adjacent the doffing element moving in the same direction as said element, the direction of the spirals of said teeth being such that adjacent teeth of a row by rotation of the spindle are brought into contact with the doffing element moving successively from the outer end towards the base and substantially parallel to the row.

2,247,687
TRACTOR MOUNTED HARVESTER
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 15, 1939, Serial No. 256,445
16 Claims. (Cl. 56—11)

1. In a tractor harvester, said tractor having an extended rear axle structure and said harvester comprising a unit mounted directly at the rear of the rear axle, and inner and outer plant-lifting and guiding means mounted on the tractor and positioned forwardly of the rear axle, the combination therewith of adjusting means connecting the harvester to the tractor for vertical adjustment with respect thereto, means connecting each of the plant-guiding means to the tractor for vertical adjustment with respect thereto, and



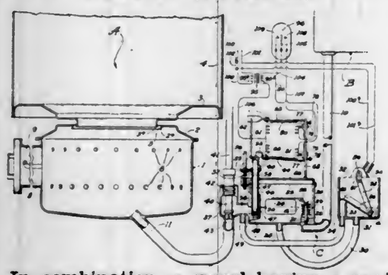
means interconnecting the adjusting means whereby the plant-guiding means moves at the same time and substantially the same amount as the harvester.

2,247,688
METHOD OF MAKING ELECTRON DISCHARGE DEVICES
Brice W. Kinyon, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 19, 1940, Serial No. 357,349
3 Claims. (Cl. 250—27.5)



1. The method of making electron discharge devices with a filament connected at its ends to lead-in conductors and having an insulating film deposited in the junction between one lead-in conductor and one end of the filament comprising applying a voltage, high compared to the operating voltage of the filament, to the external ends of said conductors and limiting the flow of current to the current carrying capacity of said filament.

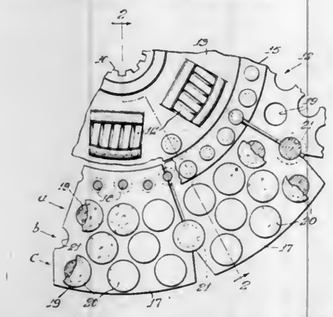
2,247,689
LIQUID FUEL BURNING APPARATUS
Joseph R. Kirkpatrick, South Euclid, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application April 15, 1939, Serial No. 268,138
5 Claims. (Cl. 158—36)



1. In combination, a vessel having a projecting arm provided with a transverse horizontal through passage and a port establishing communication between said passage and the interior of the vessel so arranged that liquid may gravitate from the vessel to said passage, a liquid level control means including a chamber having a

lateral hollow boss joined to one side of said arm with its opening communicating with said passage, a valve casing whose inlet branch is joined to the opposite side of said arm in communication with said passage, a partition dividing the vessel into a receiving compartment and a delivery compartment with the latter of which the aforesaid port communicates, the partition extending from the bottom of the vessel to above the maximum liquid level therein, communicative connections between the chamber of the liquid level control means and said receiving compartment so arranged that the same liquid level prevails in both, means for transferring measured quantities of liquid from the receiving compartment to the delivery compartment, and valve means through which communication is established and controlled between said chamber and the aforesaid passage.

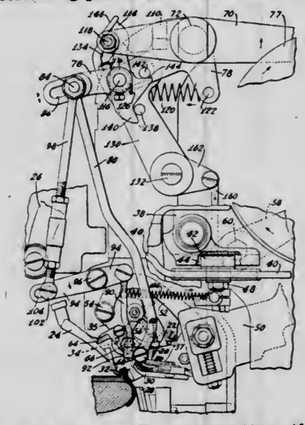
2,247,690
FRICTION CLUTCH PLATE
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 21, 1939, Serial No. 269,109
1 Claim. (Cl. 192—107)



In a friction clutch driven plate, a hub, a facing mounting disc carried thereby, said mounting disc being of relatively heavy non-yieldable sheet metal, a plurality of thin yieldable cushioning segments occupying an annular region lying beyond the outer radial limits of said mounting disc, attached to said mounting disc at their inner ends, adjacent segments having their radial edges lying closely adjacent each other throughout the major portion of their radial extent, and friction facings independently carried by said segments, said segments having a substantially lesser weight per unit area than that of said mounting member, whereby to minimize rotational inertia, the facings of each segment comprising a series of uniformly spaced corks arranged in radially spaced rows, the adjacent edges of adjacent sectors being indented to form openings in which some of said corks are mounted.

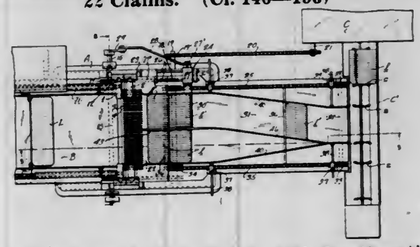
2,247,691
MACHINE FOR OPERATING ON SHOES
Edward Quinn, Malden, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 1, 1938, Serial No. 243,433
27 Claims. (Cl. 112—35)

1. An inseam sewing machine having, in combination, stitch forming and work feeding devices including a needle fixed in the line of feed, means for feeding the work, a knife constructed and arranged for forming a series of slashing cuts in the sewing rib between adjacent portions of the stitching passing through the between sub-



stance, and means for supporting the knife a fixed distance from the needle in the line of feed, and on that side of the needle remote from the completed stitches of the seam.

2,247,692
MEANS FOR FRACTIONATING SLICED BREAD LOAVES
Gustav C. Papendick, University City, Mo.; Elizabeth Papendick executrix of Gustav C. Papendick, deceased, assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application November 25, 1938, Serial No. 242,430
22 Claims. (Cl. 146—153)

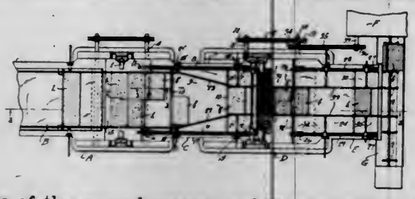


1. In a bread loaf slicing and fractionating machine, a transfer conveyer having a plurality of lengthwise extending inwardly bent side guides, a plurality of driven flights for progressing baked loaf fractions over the conveyer, and swingable intermediate guide means for urging the respective fractions into endwise engagement with one or the other of said guides.

2,247,693
MACHINE FOR FRACTIONATING AND SLICING BREAD LOAVES
Gustav C. Papendick, University City, Mo.; Elizabeth Papendick executrix of Gustav C. Papendick, deceased, assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application November 25, 1938, Serial No. 242,431
17 Claims. (Cl. 146—153)

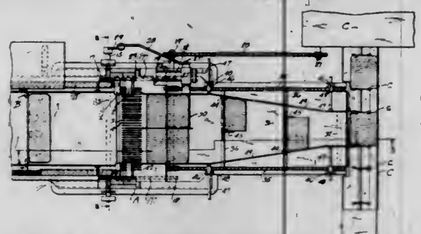
1. A bread-loaf fractionating and slicing machine comprising, in combination, first means for dividing the loaf into a plurality of fractions, second means for sub-dividing the respective loaf-fractions into a plurality of slices, a plate

positioned on the discharge side of the first means for receiving the loaf-fractions, means including a conveyer operatively mounted for movement beneath said plate and to the intake



side of the second means, and means operatively associated with said plate for successively depositing the separate fractions of the loaf for movement by the conveyer at successive intervals.

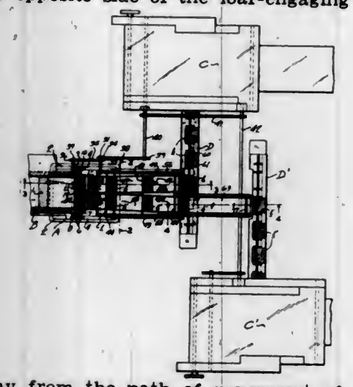
2,247,694
SLICED BREAD-LOAF FRACTIONATING MACHINE
Gustav C. Papendick, University City, Mo.; Elizabeth Papendick executrix of Gustav C. Papendick, deceased, assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application November 25, 1938, Serial No. 242,433
17 Claims. (Cl. 146—153)



1. In a baked loaf fractionating machine, in combination, loaf-slicing means, conveyer means for progressing baked loaves through the slicing means, means for sub-dividing the sliced loaf into a plurality of separate fractions, and means for gripping separate fractions of the loaf in successive order and progressing said fractions away from the slicing means in sidewise consecutive order, said means including a plurality of spaced flights each having means for gripping only a single loaf-fraction and being arranged in successive groups, the flights in such groups being arranged each for gripping and progressing a different one of the fractions into which the loaf is divided.

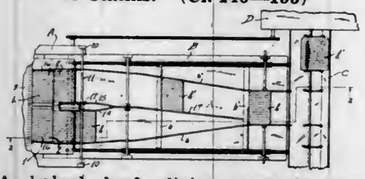
2,247,695
PACKAGING OF BAKED BREAD LOAVES
Gustav C. Papendick, University City, Mo.; Elizabeth Papendick executrix of Gustav C. Papendick, deceased, assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application November 25, 1938, Serial No. 242,434
14 Claims. (Cl. 146—153)

1. In bread-packaging mechanism, a carry-over conveyer comprising a base for shiftably supporting bread-loaf fractions and having a pair of opposed parallel guide members for confining the bread-loaf fractions to a predetermined path of movement, and conveyer means operably mounted on and spaced upwardly from the base for progressing the loaf fractions over the base, said conveyer means being of the endless type and having a loaf-engaging run and a return run, said return run being positioned on the opposite side of the loaf-engaging run and



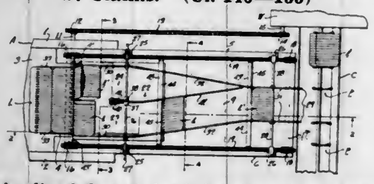
away from the path of movement of the loaf fractions with respect to the base.

2,247,696
MEANS FOR FRACTIONATING SLICED BREAD LOAVES
Gustav C. Papendick, University City, Mo.; Elizabeth Papendick executrix of Gustav C. Papendick, deceased, assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application March 10, 1939, Serial No. 260,904
23 Claims. (Cl. 146—153)



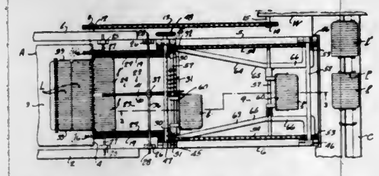
1. A baked loaf slicing and fractionating mechanism comprising slicing means, a conveyor, guide means operatively mounted on the conveyor for defining separate pathways, and means operatively interposed between the slicing means and the conveyor for parting the sliced loaf into a plurality of fractions, said means including tilting means for displacing a portion of said loaf by lowering an end of such portion with respect to its other end and means for moving the parted fractions respectively along the defined pathways.

2,247,697
MECHANISM FOR FRACTIONATING SLICED BAKED BREAD LOAVES
Gustav C. Papendick, University City, Mo.; Elizabeth Papendick, executrix of Gustav C. Papendick, deceased, assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application April 24, 1939, Serial No. 269,807
27 Claims. (Cl. 146—153)



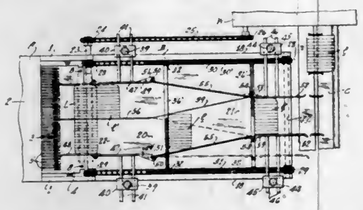
1. A sliced bread loaf fractionating machine comprising a delivery plate for receiving the sliced loaf with the slices uprightly disposed, a conveyor, and means including a second plate having a beveled portion operatively interposed between the delivery plate and conveyor for angularly upsetting a selected portion of the loaf slices about a horizontal line substantially at right angles to the longitudinal axis of the loaf for subdividing the loaf into a plurality of fractions.

2,247,698
MEANS FOR FRACTIONATING SLICED BAKED BREAD LOAVES
Gustav C. Papendick, University City, Mo.; Elizabeth Papendick, executrix of Gustav C. Papendick, deceased, assignor to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application April 24, 1939, Serial No. 269,808
11 Claims. (Cl. 146—153)



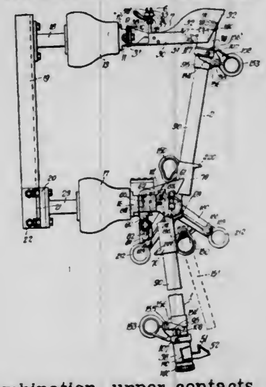
1. Bread loaf fractionating mechanism including means for slicing the loaf, a table, means for initially progressing the sliced loaf over the table to a position of momentary rest intermediate the table ends, means for dividing the sliced loaf into fractions during such initial progressive movement, and means comprising members for alternately gripping first one and then the other of said loaf fractions and then progressing the same in aligning succession from the position of rest to the end of the table.

2,247,699
SLICED LOAF FRACTIONATING EQUIPMENT
Gustav C. Papendick, University City, and Walter A. Thum, St. Louis, Mo., assignors to Papendick, Inc., St. Louis, Mo., a corporation of Missouri
Application June 21, 1939, Serial No. 280,397
3 Claims. (Cl. 146—153)



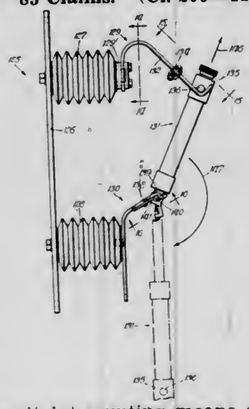
1. In a sliced loaf-fractionating machine a delivery plate having a plurality of apertures adjacent the outer margin thereof, an auxiliary plate disposed beneath the delivery plate, a plurality of bolts extending through the delivery plate aperture and threadedly mounted in the auxiliary plate for adjustably securing the auxiliary plate upon the under side of the delivery plate, and a step plate slidably and clampingly held between the auxiliary plate and the delivery plate and projecting outwardly from the transverse margin of the delivery plate in the provision of an adjustable fractionating step, said step having a margin in substantial alignment with a selected slice-cut.

2,247,700
REPEATING OR RECLOSING CUTOUT
Allan Ramsey, Evanston, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application August 16, 1934, Serial No. 740,057
100 Claims. (Cl. 200—126)



4. In combination, upper contacts, lower contacts, fuse devices having contacts engageable with said first contacts and hinged at their lower ends to swing downwardly to open position, a reclosing contact connected to the lower contact for one of said fuse devices, a reclosing lever pivoted adjacent the lower end of another of said fuse devices and provided with a contact connected electrically with the lower contact of said latter fuse device and swingable into engagement with the reclosing contact by the downward swinging movement of the fuse device, latch devices for latching the upper ends of the fuse devices to the upper contacts, and ferrules slidable upon the upper ends of said fuse devices and having latch means engageable with said latch devices, the latch means on said ferrules being released from said latch devices by upward sliding movement of said ferrules on said fuse devices.

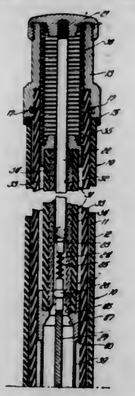
2,247,701
FUSE CONSTRUCTION
Allan Ramsey, Evanston, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application October 2, 1937, Serial No. 166,945
85 Claims. (Cl. 200—116)



27. Circuit interrupting means comprising, in

combination, a first circuit terminal, a second circuit terminal, said circuit terminals being mounted in insulated spaced relation, a first fuse tube, a second fuse tube telescoped with said first fuse tube, a first fuse terminal closing one end of said first fuse tube, means latching said first fuse terminal to said first circuit terminal, a second fuse terminal at one end of said second fuse tube but leaving the same open, means rockably mounting said second fuse terminal on said second circuit terminal, and fusible means connected between said first and second fuse terminals and preventing movement apart of said fuse tubes, said fuse tubes being biased apart and said latching means being unlatched on blowing of said fusible means and movement apart of said fuse tubes whereby said first fuse terminal is bodily removed from said first circuit terminal to provide an air gap therebetween.

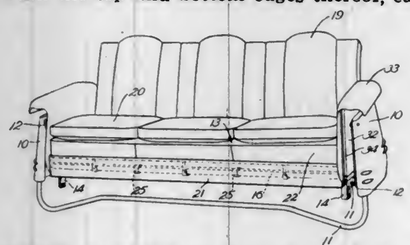
2,247,702
FUSE CONSTRUCTION
Allan Ramsey, Evanston, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application November 13, 1939, Serial No. 304,004
46 Claims. (Cl. 200—117)



1. In a circuit interrupter, in combination, support means, a tubular arcing chamber biased for movement relative to said support means and substantially closed at one end and open at the other end and having its bore formed by material capable of evolving an arc extinguishing medium due to the heat of an arc, and means for drawing an arc within the bore of said chamber adjacent its open end, said chamber being released for movement when the arc is drawn and movement thereof being controlled in accordance with the resultant effect of two opposing forces, one being the force biasing the arcing chamber and the other being the reaction force of the arc extinguishing medium on the arcing chamber.

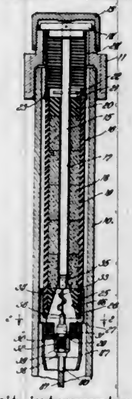
2,247,703
APRON PANEL FOR GLIDERS
Isidore P. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application December 23, 1939, Serial No. 310,768
2 Claims. (Cl. 5—124)

1. In a glider having a seat frame mounted for swinging movement between laterally spaced upright interconnected end frames, said seat frame including an angle bar horizontally disposed across the front of said frame, a vertically disposed sheet metal panel extending across the front of said bar, and a series of inverted L-shaped clips fixed to the rear face of said panel between the top and bottom edges thereof, each



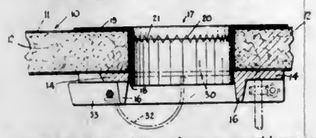
clip having an integral lip at the free end of each arm of the L, one lip being longer than the other to afford snap-on engagement with said angle bar, said clip means providing the sole means whereby said panel is attached to said angle bar.

2,247,704
FUSE CONSTRUCTION
Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application November 17, 1939, Serial No. 304,903
12 Claims. (Cl. 200—117)



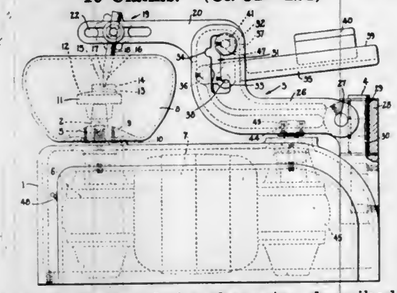
10. In a circuit interrupter, in combination, a tubular housing of insulating material having line terminals at its ends, a rod-like terminal extending from one of said line terminals inwardly of said housing, a tubular arcing chamber having its bore formed by material capable of evolving an arc extinguishing medium due to the heat of an arc, said tubular arcing chamber being telescoped with said rod-like terminal from one end and biased for movement with respect thereto and having a reaction area at the other end, an arcing terminal fastened to said arcing chamber and movable therewith and connected thereto by fusible means upon blowing of which an arc is adapted to be formed whereupon said arcing chamber is released for said movement which is controlled by two opposing forces, one being the force biasing said arcing chamber for movement along said rod-like terminal and the other being the reaction force of the arc extinguishing medium on said reaction area, a shield carried by said arcing chamber for protecting the inner surface of said housing from the heat of the arc, and flexible conductor means interconnecting said arcing terminal and the other line terminal.

2,247,705
MATTRESS
John D. Dry, New York, N. Y.
Application December 28, 1938, Serial No. 248,056
3 Claims. (Cl. 5—91)



1. In a hospital bed having a mattress; a guide ring extending beyond the bottom of said mattress and being substantially in alinement with an opening passing through said mattress, a rigid sleeve forming a guide wall in said opening and projecting into said guide ring from within said opening and short of the upper face of said mattress, and a covering provided with a portion resting substantially flush on said upper face of said mattress and extending therefrom into said opening above said sleeve to which said covering is connected, whereby a member may be removably and slidably received through said guide ring for insertion into said sleeve.

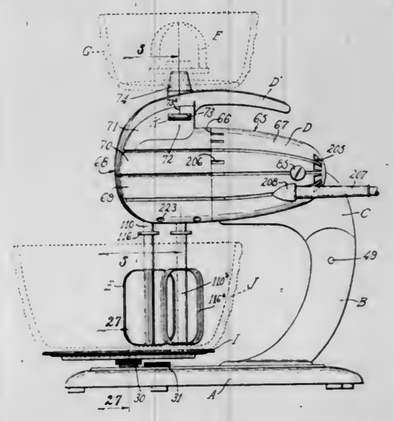
2,247,706
LENS ABRADING MACHINE
Lloyd W. Goddu, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application January 18, 1939, Serial No. 251,541
10 Claims. (Cl. 51—124)



1. In a device of the character described, the combination of a base having a tool rotatably supported adjacent one end thereof and work holding means adapted to receive a piece of work for engagement with said tool, a sleeve pivotally supported adjacent the opposite end of said base, a projection on said sleeve, an arm pivotally connected to said sleeve for pivotal movement about an axis substantially normal to the axis of rotation of said sleeve, a work holder engaging member on said arm, a lever pivotally connected to the projection on said sleeve, a link connecting said lever to said arm, weight means on said lever for causing the arm to be urged under the pressure of said weight toward the surfacing tool and means for relieving the pressure of said weight on said arm and for holding said arm out of operation.

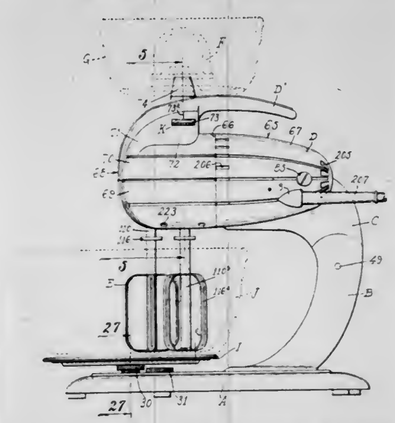
2,247,707
KITCHEN UTILITY DEVICE
Richard H. Jordan, Hamden, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application November 23, 1938, Serial No. 241,966
6 Claims. (Cl. 259—104)

1. A kitchen utility device comprising a combined motor and gear casing divided transversely into a rear section and a front section, the front section in turn being divided into a lower part, an upper part and an intermediate part, a motor in the rear section, beater-driving gears in the front section, an upwardly extending reamer



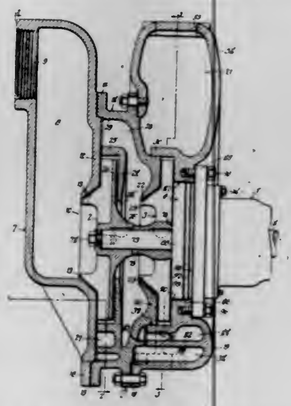
shaft in the front section, a power shaft driven by the reamer shaft, and a power socket associated with the power shaft and open at the front end of the casing, said power socket being located partly in the upper part of the front section and partly in the intermediate part of said section.

2,247,708
ELECTRIC MOTOR
Richard H. Jordan, Hamden, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Original application November 23, 1938, Serial No. 241,966. Divided and this application April 12, 1939, Serial No. 267,371
32 Claims. (Cl. 172—36)



1. In an electric motor member, a motor and gear casing divided transversely into a rear section and a front section, a motor in the rear section and gear mechanism in the front section, said sections having at their adjacent edges means whereby they are interlocked with each other, said front section comprising superposed parts separably interconnected.

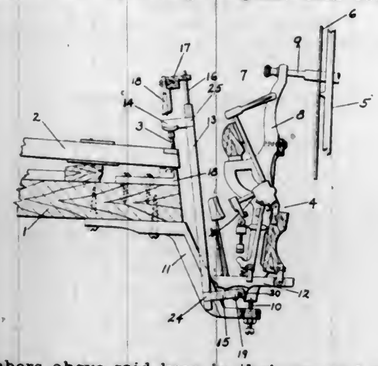
2,247,709
PLURAL STAGE SELF-PRIMING CENTRIFUGAL PUMP
Harry E. La Bour, Elkhart, Ind.
Application May 31, 1938, Serial No. 210,804
13 Claims. (Cl. 103—113)



1. A self-priming centrifugal pump of two or more centrifugal stages, comprising a pump casing having an inlet trap anterior to the first stage and a separator posterior to the last stage, each stage comprising an impeller having a central inlet and peripheral discharge, the impeller of the last stage comprising an open impeller cooperating during priming with a charge of recirculating priming water which is trapped in the pump casing by the inlet trap when the pump stops and which is driven out of the anterior stages into the final stage to function with the final stage as a liquid seal and as a medium to be mixed with air in the final stage to carry air out of the anterior stages and the inlet trap and liberate the same in said separator the final priming stage comprising an impeller casing with a main and an auxiliary discharge port communicating with the separator, the auxiliary discharge port permitting reentry of priming liquid from the separator to produce air entrainment in the impeller casing and discharge of the resultant mixture out of the main discharge port into the separator, and a delivery connection from the top of the separator, said stages being connected to said delivery connection in series with each other only.

2,247,710
MECHANISM FOR PIANOS
Arthur H. Morse, Cincinnati, Ohio, and Charles Pieper, South Fort Mitchell, Ky., assignors to The Baldwin Company, Cincinnati, Ohio
Application December 13, 1937, Serial No. 179,424
6 Claims. (Cl. 84—240)

1. The combination in a piano of a key bed, keys pivoted on said bed, an action located beyond said keys and having wippens located below the level of said keys, means for transmitting the motion of said keys to said wippens comprising a series of rod-like members each having thereon a rigid arm rigidly attached thereto and extending over the end of a key, said arms having bearings on said keys at points interspaced from the axes of said rod-like members, connections between said rod-like members and said wippens, brackets attached to said key bed and guide means for said rod-like members attached to said brackets and operating to guide said rod-like

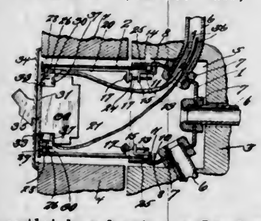


members above said keys in their up and down movement.

2,247,711
STERILIZATION OF LIQUIDS
Anderson W. Ralston, Chicago, and Ervin W. Hopkins, Hinsdale, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 12, 1940, Serial No. 318,658
6 Claims. (Cl. 210—23)

1. The process of treating liquids which comprises passing the liquid to be treated into contact with solid particles having adsorbed on their surfaces a compound chosen from the group consisting of aliphatic amines in which a hydrocarbon radical contains at least six carbon atoms and salts thereof.

2,247,712
OUTLET BOX FOR ELECTRICAL INSTALLATION
William W. Reese, Upper Darby, Pa.
Application July 20, 1938, Serial No. 220,357
2 Claims. (Cl. 220—3.7)

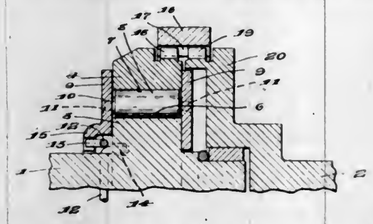


2. In an outlet box having a fixed section and an extensible box section corresponding to and telescopically mounted in the fixed box section, said extensible box section comprising side and end walls, the latter having upper and lower lugs provided with notches, the upper and lower edges of the former having overturned ears engaging said notches, and swivel means carried by the upper lugs for fastening the extensible box section to an element or a part of the fixed box section.

2,247,713
OVERRUNNING CLUTCH WITH FLOATING RACEWAYS
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Application August 12, 1938, Serial No. 224,588
2 Claims. (Cl. 192—45)

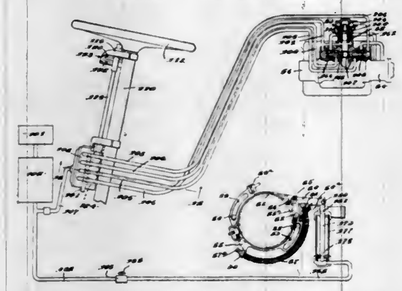
1. The combination with alined driving and driven elements; of an overrunning clutch con-

necting said elements and including opposing raceways rotatable respectively with said elements, and an annular series of rolling clutch members between the raceways, one of the raceways and the element with which it rotates being substantially non-overlapping, and a coupling member connected to said raceway and also to



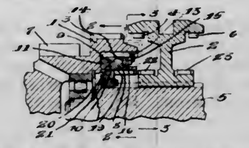
the element with which it is rotatable, by splines interengaging with said one of the raceways and the element with which it is rotatable, said interengaging splines coacting with looseness to permit relative radial self-centering movement of the said raceway and to compensate for misalinement of said elements.

2,247,714
TRANSMISSION MECHANISM
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Application June 24, 1939, Serial No. 281,014
2 Claims. (Cl. 74—189.5)



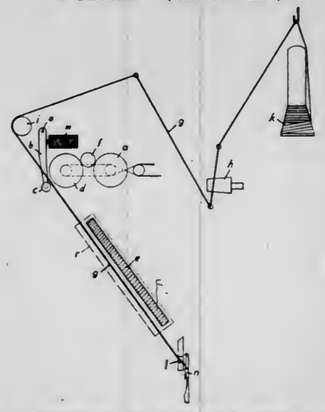
1. In a transmission mechanism for motor vehicles, the combination of a hydraulic coupling including impeller and driven elements, a change speed transmission gearing embodying a plurality of jaw clutches, each including driving and driven members, one of which is shiftable into and out of engagement with the other, the clutches also embodying balking means for preventing engagement of the clutch members until the speeds cross, means including a brake operable to shift the balking means out of balking position preliminary to the shifting-in operation of the clutch members of one clutch when the vehicle and the driven clutch member are stationary, fluid operated motors for shifting the shiftable clutch members and for operating the brake, a power system including a source of fluid, branch conduits leading therefrom to the fluid operated motors and having operator operated control valves therein, and an operator operated selector for selectively operating the valves in the branch conduits to the motor which effects the shifting of the shiftable clutch member, the valve in the branch conduit to the motor for the brake being operable independently of the valves in the other branch conduit.

2,247,715
BALKING RING CLUTCH
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Application December 21, 1939, Serial No. 310,302
5 Claims. (Cl. 192—53)



1. In a balking ring clutch, the combination with driving and driven toothed clutch members, one of which is shiftable axially into and out of engagement with the other, a balking ring rotatable with one of said members and also rotatable relatively thereto, within limits, and having a friction face, the other member having a friction face for coacting with the friction face of the balking ring, the balking ring having an axial movement during the shifting of the shiftable clutch member and having a rotary movement, within limits, into and out of balking position; of said balking ring having a portion on one side thereof heavier than the diametrically opposite side, whereby the ring has a radial throw in one direction from its axis to cause the engagement of the friction faces with sufficient dragging friction to neutralize the inertia of the balking ring.

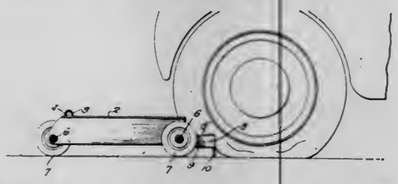
2,247,716
APPARATUS FOR MAKING PATTERNED GOODS ON KNITTING, HOSIERY, AND SIMILAR MACHINES
Walter Schellenberg, Allensbach-on-the-Bodensee, Baden, Walther Schmolz, Radolfzell-on-the-Bodensee, Baden, Wilhelm Warth, Allensbach-on-the-Bodensee, Baden, and Reinhard Wiggenhauser, Radolfzell - on - the - Bodensee, Baden, Germany, assignors to the firm Trikotfabriken J. Schiesser A.-G., Radolfzell-on-the-Bodensee, Baden, Germany
Application October 27, 1938, Serial No. 237,356
In Germany October 30, 1937
6 Claims. (Cl. 66—125)



1. In a knitting, hosiery and similar machine for the production of patterned goods, a stitch forming device, a yarn coloring device comprising a color roller past which the yarn travels to said stitch forming device, means for driving the color roller and for supplying color thereto, a printing roller located in the path of the yarn

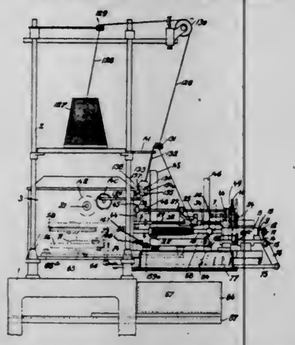
before it reaches said stitch forming device, and means with predetermined timing for intermittently pressing the yarn against the color roller by the printing roller.

2,247,717
EMERGENCY TIRE TRUCK
Erwin Louis Sutter, Boston, Mass., assignor to The Sutter Co., Inc., Allston, Mass.
Application January 7, 1941, Serial No. 373,495
6 Claims. (Cl. 280—61)



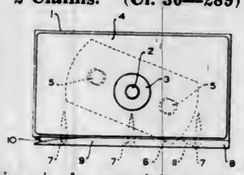
3. In a truck of the character specified having a frame and traction wheels, a tiltable chock end pivoted intermediate its ends and a pivoted longitudinally extending bottom and locking member on which a vehicle wheel is adapted to rest, said member having one end positioned to engage the inner end of the tiltable chock end.

2,247,718
THREAD WINDING MACHINE
Hans Treckmann, Wuppertal-Oberbarmen, Germany, assignor to Messrs. Halstenbach & Co., Wuppertal-Wichlinghausen, Germany
Application March 14, 1938, Serial No. 202,048
In Germany February 26, 1937
31 Claims. (Cl. 242—35.5)



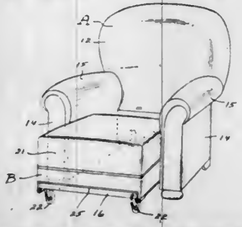
1. In a bobbin winding machine having a winding spindle, the combination comprising a rotatable threaded traverse bar, a thread guide carrier including a member adapted and arranged to have either an engaging relation with the threads on said bar for obtaining progressive movement of said carrier thereon as the bar is rotated or occupy a disengaging relation to the threads on said bar, shiftable mechanism controlling said member whereby it may be made to occupy its engaging or disengaging relation as aforesaid, and single variable means for operating said shiftable mechanism whereby in the operation of the machine it will actuate said member to occupy an engaging or disengaging relation to said bar, engagement at the beginning of the wind on a bobbin and disengagement at the termination of the wind preliminary to release of the bobbin from the winding spindle.

2,247,719
CUTTING TOOL FOR SLITTING PURPOSES
Jacob van Unen, Amsterdam, Netherlands, assignor to Werkspoor N. V., Amsterdam, Netherlands, a company of The Netherlands
Application March 11, 1939, Serial No. 261,365
In the Netherlands March 17, 1938
2 Claims. (Cl. 30—289)



1. A cutting tool comprising a carrier having a bottom face, a cutting blade, means for securing said blade to said carrier at an angle to said bottom face and with a portion of said blade projecting below said bottom face, a strip member having a top face, a bottom face and a front face and secured to said carrier and comprising two spaced portions to define a slot in which the portion of the cutting blade projecting below the carrier extends, the bottom face of said strip member lying below said projecting portion of said blade, one of said strip member portions having the front end of its top face bevelled towards the front and being vertically spaced from that part of the tool which lies on the same side of the cutting blade as said portion, the other strip member portion having the front end of its bottom face bevelled towards the front.

2,247,720
CHAIR
Ray L. Wonderly, Sheridan, Wyo.
Application May 31, 1939, Serial No. 276,681
6 Claims. (Cl. 155—41)

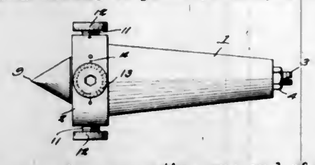


3. A chair comprising a body portion including a back having a cross panel at its lower end spaced above the floor surface and spaced apart side arms for resting upon a floor surface, a seat unit fitting between the side arms, front castors for the seat unit, angle brackets secured to the rear of the seat unit including horizontal flanges extending beneath the cross panel, rear castors mounted on said flanges, a latch plate on the cross panel, a latch on the seat unit engageable with the latch plate for holding the seat unit between the side arms, and releasing means for the latch.

2,247,721
ADJUSTABLE CENTER FOR TAILSTOCKS
Thomas Eugene Wright, Jersey City, N. J.
Application August 2, 1940, Serial No. 349,939
4 Claims. (Cl. 82—33)

1. A center for the tail-stock of a lathe, including a tapered sleeve open at one end, separate pairs of opposed adjusting screws mounted

in the sleeve adjacent to its open end and radially disposed relative to the axial center of the sleeve, a center within and spaced from the sleeve and having a point projecting from the

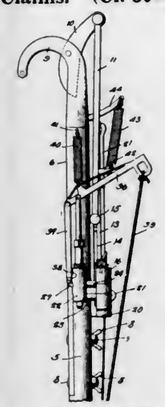


sleeve, means for supporting one end of the center in the sleeve, there being separate pairs of opposed flat bearing surfaces on the center positioned for engagement by the respective screws.

2,247,722
PROCESS FOR THE EMULSIFICATION OF TARS
William James Chadder, Henry Michael Spiers, and Edwin Arnold, London, England, assignors to Thermal Industrial and Chemical (T. I. C.) Research Company Limited, London, a British company
No Drawing. Application July 1, 1936, Serial No. 88,494. In Great Britain August 10, 1935
14 Claims. (Cl. 134—1)

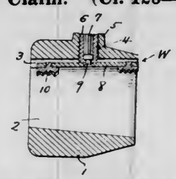
1. Process for the preparation of stable aqueous emulsions of a bituminous material such as road tars, pitch and bitumen suitable for use on roads, characterised in this, that an inverted emulsion is first prepared by mixing the bituminous material and a quantity of water amounting to about 12 to 16% by weight of the quantity of said bituminous material, together with a water-soluble emulsifying agent, and this inverted emulsion is then added to and dispersed in an aqueous solution containing about 15 to 25% by weight, dry basis, of water-soluble emulsifying agent, whereby the inverted emulsion is reverted into an emulsion of the "oil-in-water" type.

2,247,723
TREE TRIMMER
Emil Chial, Stillwater, Minn.
Application September 29, 1938, Serial No. 232,438
2 Claims. (Cl. 30—187)



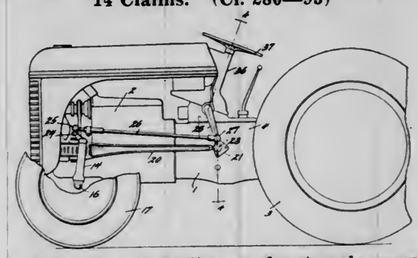
1. A hydraulic pruning apparatus comprising a pole, a liquid-containing tank mounted on the pole, a hook secured to one end of the tank, a pivoted blade mounted on the hook and cooperating with the hook in pruning trees, a main cylinder mounted at one side of the tank and disposed longitudinally thereof, an elongated piston operating in the cylinder, rods connected with the lower end of the elongated piston, said rods being also connected with the pivoted blade, means for establishing communication between the tank and main cylinder, said means comprising a pump cylinder and pipes leading from the pump cylinder to the main cylinder, valves for controlling the passage of liquid from the pump cylinder to the main cylinder, a pump operating in the pump cylinder and adapted to force liquid from the tank into the upper end of the main cylinder, operating the piston and pivoted blade, and a manually controlled valve adapted to be operated whereby liquid from the main cylinder may pass to the tank, and a spring for moving said pivoted blade and piston to their normal inactive positions.

2,247,724
HORN WEIGHT
William Arthur Clarke, Oklahoma City, Okla.
Application December 20, 1939, Serial No. 310,225
1 Claim. (Cl. 128—76)



A weight for the horn of an animal comprising an elongated body member having a tapered bore passing therethrough from one end to the other, a portion of the wall of the bore having a longitudinally extending groove therein which passes from one end of the body to the other, an elongated plate in said groove, said body having a centrally arranged threaded hole passing radially therethrough with its inner end in communication with the groove, a bushing threaded in the hole, means for rotatably connecting the inner end of the bushing with the center of the plate, said bushing having a wrench receiving socket therein and toothed jaw members connected with the end portions of the plate and located adjacent the ends of the body member.

2,247,725
TRACTOR
Henry George Ferguson, Belfast, Northern Ireland
Application July 8, 1939, Serial No. 283,481
14 Claims. (Cl. 280—93)



1. A tractor including a front axle capable of forward and backward movement, wheel-carrying bars adjustable in both directions longitudinally of the axle, a radius bar connected to each bar and a fixed part of the tractor, wheels carried by the wheel-carrying bars, and

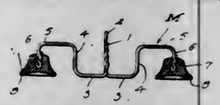
a separate steering rod connected to each wheel the radius bars constraining the wheel-carrying bars to move during adjustment through an arcuate movement about the rear ends of the steering rods.

2,247,726
STOKER PUSHER ROD
Carl E. Gingher, Scranton, Pa.
Application July 15, 1939, Serial No. 284,758
20 Claims. (Cl. 198—221)



1. A coal tube pusher rod of the reciprocating type, said pusher rod comprising a bar formed with a spiral groove in its surface and running around the bar for a major portion of the length of the bar and defining a buttress thread, said spiral groove increasing in depth from the feed end of the bar toward the firepot end of the rod, in combination with a coal tube containing coal, said groove acting on the coal in a manner to center said pusher rod with respect to the line of pull on the rod during reciprocation thereof in the coal tube.

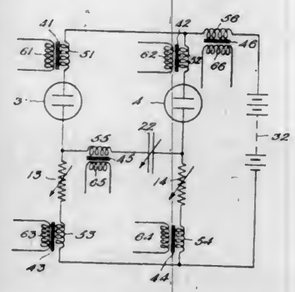
2,247,727
SURFACE GRIPPING DEVICE
Harold G. Henry, King City, Calif., assignor of one-half to William C. Barry, Soledad, Calif.
Application July 25, 1939, Serial No. 286,469
1 Claim. (Cl. 248—362)



A surface gripping device comprising a central elongated shank constituting a handle member, laterally disposed arms at one end of said shank, said arms being disposed in opposite directions and substantially alined, angularly related arms at the outer ends of the first-named arms and disposed in the same direction as the shank, arms extending outwardly from the outer ends of the second arms and in the same general direction as the first-named arms, arms carried by the outer extremities of the third-named arms and disposed substantially parallel with the shank and toward the end of the shank having the first-named arms, and suction cups carried by the last-named arms, the first-named arms being substantially straight and constituting clamping members, the marginal portions of the cups and the contacting surfaces of the first-named arms, when the cups are free of pressure, being substantially coplanar, the several arms being resilient.

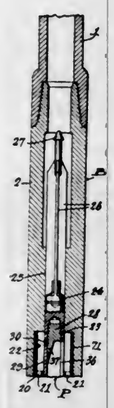
2,247,728
OSCILLATION GENERATOR FOR ELECTRICAL MUSICAL INSTRUMENTS
Nicholas Langer, New York, N. Y., assignor of sixty-six and two-thirds per cent to John Halmagyi, New York, N. Y.
Application February 13, 1939, Serial No. 256,101
23 Claims. (Cl. 250—36)

23. In an oscillator of the character described, a pair of gaseous discharge tubes having only two electrodes, means for applying a potential between said electrodes for causing said tubes to become conductive, and means occasioned by



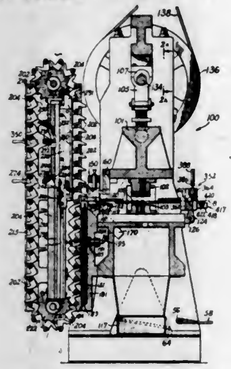
the breakdown of each tube for reducing the potential between the electrodes and extinguishing the conductivity of the other so that said tubes are alternately conductive.

2,247,729
COMBINATION CABLE TOOL AND WIRE LINE ROTARY CORE BARREL
Roscoe A. Mitchell, Laredo, Tex., assignor of one-half to George B. Bancroft, San Antonio, Tex.
Application August 25, 1939, Serial No. 291,985
3 Claims. (Cl. 255—72)



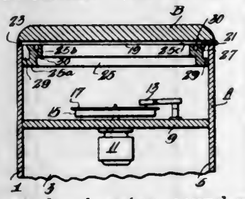
1. In a core-forming machine, a tubular collar having a liquid outlet at its lower end, and provided with a shoulder, a piston assembly including a piston slidable downwardly in the collar, under liquid pressure, to a position in which there will be a flow of liquid through the collar to the outlet, a slide whereon the piston assembly has limited longitudinal reciprocation, a core cutter carried by the slide, a latch movably mounted on the slide, the piston assembly including a part engaging the latch to move it outwardly for engagement with the shoulder when the piston assembly moves downwardly with respect to the slide, and spring means for retracting the latch out of engagement with the shoulder when the piston assembly is raised with respect to the slide.

2,247,730
CONDENSER FINNING MACHINE
William L. O'Brien, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Original application October 26, 1936, Serial No. 107,739. Divided and this application August 17, 1939, Serial No. 290,568
10 Claims. (Cl. 29—84)



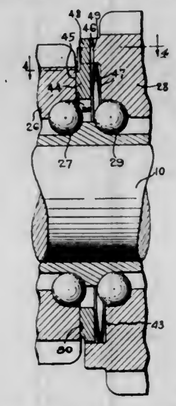
1. In a device for assembling fins upon tubes to form a heat exchange apparatus, the combination of, means to hold the tubes in proper position, an endless chain, means to carry said endless chain including a plurality of wheels, follower members rockably mounted upon said chain, the chain being movable about the wheels and one run of the chain being so located as to carry the follower members parallel to and along the length of the tubes, means to normally bias the follower members into a retracted position away from the tubes, runner means movably mounted adjacent the tubes along which the follower members run and are thereby held in an extended fin engaging position as they move along the tubes, means to place fins adjacent the ends of the tubes in the path of the follower members when they are in the extended position so that the follower members move the fins onto the tubes, means for actuating the chain in one direction for so moving the follower members, and means for moving the runner means in the opposite direction, said movement being so coordinated that the runner means moves out of the way of one follower means after another to release the same and deposit fins at spaced intervals along the tube.

2,247,731
CABINET FOR HOUSING SOUND-REPRODUCING APPARATUS
Harry F. Olson, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1940, Serial No. 348,632
14 Claims. (Cl. 274—2)



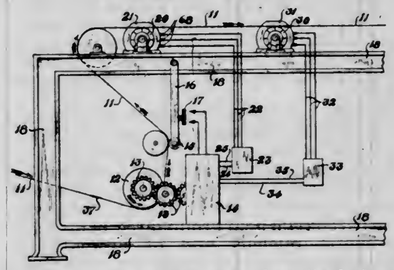
1. A cabinet for housing sound-reproducing apparatus comprising a body part, a cover part movably associated therewith, said parts having portions thereof in overlapping and slightly spaced relation when said cover is closed with respect to said body, the space between said body and cover permitting the passage of sound waves emanating from said apparatus out to the exterior of the cabinet, and means connected to at least one of said parts in slightly spaced relation to the other of said parts providing at least one cavity constituting an acoustic capacitance for sound waves emanating from said apparatus.

2,247,732
MOTOR VEHICLE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 23, 1938, Serial No. 231,295
7 Claims. (Cl. 184—6)



1. A drive mechanism, having in combination two adjacent pairs of meshing gears, each pair having a drive gear and a loosely mounted driven gear, and a device mounted between the rotatably mounted gears operating to maintain the engaging teeth of the pairs of gears in contact and to feed lubricant from the exterior to the bearings of the loosely mounted gears.

2,247,733
SELECTOR
Walter S. Rotherham, Lincoln Park, N. J., assignor to Hermas Machine Company, Hawthorne, N. J., a corporation
Application November 22, 1940, Serial No. 366,752
8 Claims. (Cl. 26—17)



1. In a device of the type described the combination of a drive shaft, a drum journalled on

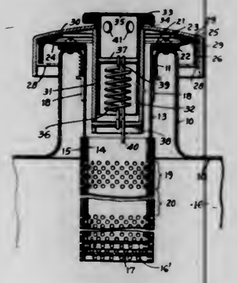
said shaft, cam strips fastened to the periphery of said drum and adapted to open and close electrical circuits, a slot in the periphery of said drum, a clutch disc splined to said shaft for driving said drum, a bell crank, means carried by said bell crank for axially moving said clutch disc on said shaft into driving engagement with said drum, and a roller carried by said bell crank and adapted to roll on the surface of the rotating drum for retaining said clutch disc in driving engagement with said drum and enter said slot for stopping said rotation.

2,247,734

CONTAINER SAFETY DEVICE

Henry Schreiber, Woodside, N. Y., assignor, by mesne assignments, to Safety Devices Corporation, New York, N. Y.

Application November 11, 1937, Serial No. 173,965
10 Claims. (Cl. 220—44)



1. In an explosion preventing device on a container of volatile matter with an opening and a cap therefor formed with an aperture, a unitary pressure relief valve comprising a shouldered cylindrical valve seat with a reduced section above said shoulder fitting in and projecting above the apertured portion of said cap, a sleeve inside said seat with perforated walls near the top of said seat, a valve head on said sleeve extending over the top of said projecting reduced section of said seat with a washer contacting the top of said projecting reduced section, a rod across the inside of the sleeve, another rod across the inside of the bottom of the seat, a spring attached to said rods to hold the head against the seat, and a link attached to one of said rods and formed with a slotted portion encircling the other rod to limit the movement of said sleeve.

2,247,735

CONDENSATION PRODUCTS

Georg Spielberger and Otto Bayer, Leverkusen-I. G. Werk, and Wilhelm Bunge, Leverkusen-Wiesdorf, Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 18, 1939, Serial No. 268,520. In Germany May 14, 1938
4 Claims. (Cl. 260—43)

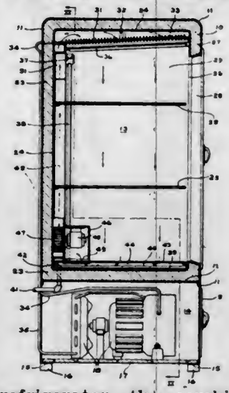
1. The process which comprises causing formaldehyde to react upon a mixture of aromatic hydroxy carboxylic acids having the hydroxy and the carboxylic acid group directly attached to an aromatic nucleus and of aromatic compounds selected from the group consisting of aromatic hydrocarbons and the alkyl and halogen substitution products thereof.

2,247,736

REFRIGERATOR

Robert H. Tull, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 20, 1938, Serial No. 220,207
5 Claims. (Cl. 62—102)



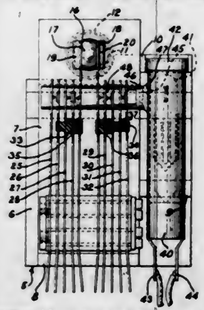
1. In a refrigerator, the combination of a chamber, a flat, substantially horizontal cooling unit therein and adjacent to but spaced from the top thereof, said cooling unit cooperating with the walls of said chamber to prevent passage of substantial quantities of air around the edges of the cooling unit, a multiplicity of closely-spaced transverse air passages substantially throughout the flat surface of the cooling unit, a duct communicating with the lower portion of the chamber and with the space between the cooling unit and the top of the chamber and means for forcibly propelling air upwardly through said duct, said air traveling downwardly and substantially uniformly through all of the air passages of the cooling unit.

2,247,737

INSPECTION APPARATUS

Gilbert E. Weeks, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 11, 1940, Serial No. 313,394
2 Claims. (Cl. 88—14)



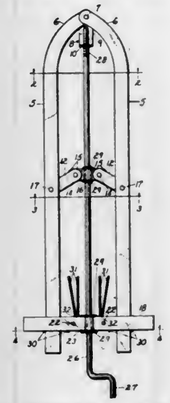
1. In an inspection apparatus, a support, means on said support to position part of an article to be inspected in a plane parallel to said support and in spaced relation thereto, a light source mounted on said support and laterally displaced from the position of an article on the support, and a vane of methyl methacrylate of tapering configuration extending at right angles to the light source and between the support and the part of the article to be insepected to conduct light thereto, said vane having the surface thereof which is away from the support roughened to diffuse light throughout the length of the vane.

2,247,738

ADJUSTABLE FUR STRETCHER

William R. Welty, Freedom, Okla.

Application May 13, 1939, Serial No. 273,405
2 Claims. (Cl. 149—21)



1. In a pelt stretcher comprising a pair of pivotally connected laterally spaced side bars, the bars being curved inwardly and lapped over at the head end, a bracket secured to the pivot of said side bars having a bent substantially right angled portion with a threaded opening therein, an elongated end threaded operating rod threadedly engaged within said threaded opening disposed between said side bars, a hub loosely carried by said operating rod, a pair of ears extending from said hub, a pair of toggle arms, one of each being pivotally secured to one of said hub ears at one end and each pivoted to the mediate portion of one of said bars at the other end, a pair of cross arms between the free unpivoted ends of said side bars spaced apart in substantially parallel relation, said cross arms being curved outwardly and inwardly around the operating bar, and locking means carried by said operating bar on each side of said cross arms, whereby longitudinal movement of said operating rod is prevented.

2,247,739

LONG WIRE ANTENNA ARRANGEMENT

Ernst Werndl, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 18, 1939, Serial No. 285,063
In Germany August 9, 1938
3 Claims. (Cl. 250—11)



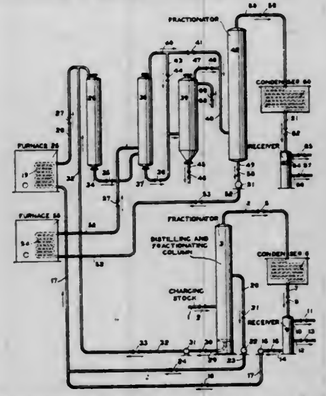
1. A travelling wave antenna arrangement comprising a plurality of uni-planar antennas arranged one behind the other in the direction of reception, the planes of said antennas being tilted at such an angle with respect to ground that the lower edge of the cone of maximum reception for each of said antennas is parallel to the ground.

2,247,740

CONVERSION OF HYDROCARBON OILS

Charles H. Angell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application December 31, 1937, Serial No. 182,705
2 Claims. (Cl. 196—48)



1. A process for the conversion of hydrocarbon oils which comprises fractionally distilling a gasoline-containing charging stock of relatively wide boiling range, separately removing from the fractional distilling step selected low-boiling components of the charging stock, containing materials of poor antiknock value which boil within the range of gasoline, and a higher boiling residual liquid fraction, heating said selected low-boiling fractions to conversion conditions of high cracking temperature and substantial superatmospheric pressure regulated to materially improve the antiknock value of said poor antiknock gasoline fractions and produce substantial additional yields of good antiknock gasoline from their higher boiling components, supplying the resulting conversion products while still at cracking temperature and said high-boiling residual liquid fraction to an enlarged reaction chamber wherein the resulting mixture is maintained at a milder cracking temperature and at substantial superatmospheric pressure for a predetermined time, supplying the resulting vaporous and liquid conversion products from said reaction chamber to a second enlarged reaction chamber, simultaneously supplying a separate stream of highly heated conversion products to said second reaction chamber and subjecting the resulting vaporous components of the material supplied to said second reaction chamber to a higher cracking temperature in this zone than that maintained in the first reaction chamber, maintaining a substantial superatmospheric pressure in said second reaction chamber, removing resultant vaporous and liquid conversion products therefrom and appreciably further vaporizing the latter in a zone of substantially reduced pressure relative to that employed in said second reaction chamber, subjecting vaporous products evolved in said reduced pressure zone and vapors removed from said second reaction chamber to fractionation whereby their high-boiling components are condensed as reflux condensate, subjecting fractionated vapors of the desired end-boiling point to condensation, recovering the

resulting distillate, separately heating reflux condensate resulting from said fractionation to cracking temperature at superatmospheric pressure, and introducing the resulting heated products into the second reaction chamber as said stream of highly heated conversion products.

2,247,741

WASHING, WETTING, AND EMULSIFYING AGENT

Hans Beller and Egi V. Fasce, Baton Rouge, La., assignors to Jasco Incorporated, a corporation of Louisiana

No Drawing. Application December 22, 1936, Serial No. 117,153
5 Claims. (Cl. 252—353)

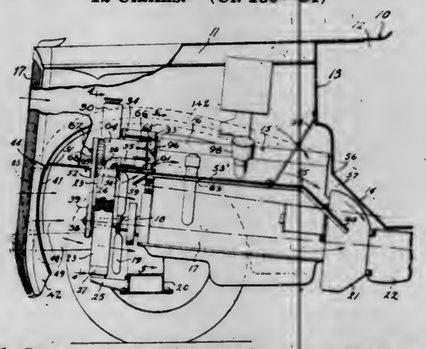
1. A composition of matter having improved sudsing properties comprising an alcohol sulfate prepared from oxidation products of liquid or solid non-aromatic hydrocarbons, and a true sulfonic acid substance responding to the general formula R—CO—X—R_1—SO_2OMe wherein R denotes an aliphatic radical, XR_1 denotes an oxy alkylene group (—O—R—) or an amino alkylene group, and Me denotes the radical of an alkali metal, the true sulfonic acid being present in an amount of at least 10% by weight of the alcohol sulfate.

2,247,742

MOTOR VEHICLE

Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application January 21, 1939, Serial No. 252,138
12 Claims. (Cl. 180—54)



1. In a motor vehicle having a compartment, an engine mounted within said compartment, a fluid cooling radiator for said engine comprising a pair of transversely spaced radiating cores, fluid connections between said cores and said engine, a crank shaft having a forward end projecting between and in advance of said cores, a horizontal partition substantially dividing said engine compartment into upper and lower portions, an engine accessory mounted above said partition, and means extending above and below said partition and connecting said accessory to be driven from said crank shaft in advance of said cores.

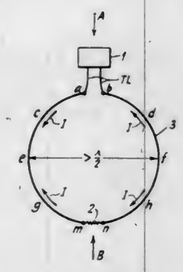
2,247,743

ANTENNA

Harold H. Beverage, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 10, 1938, Serial No. 244,897
6 Claims. (Cl. 250—33)

1. A broad band short wave antenna comprising a single turn horizontal loop, a transmission line connected to one side of said loop, a resistance serially connected in said loop opposite said transmission line, the dimension of said loop between points on said loop midway



between said resistance and said transmission line being less than a half length of the operating wave such that said loop has a maximum response in the direction of said transmission line and a lesser response in every other direction.

2,247,744

RADIO AERIAL SYSTEM

Otto Böhm, Hillwood Grove, Hutton, Brentwood, England, assignor to Radio Corporation of America, a corporation of Delaware

Application July 11, 1939, Serial No. 283,780
In Great Britain August 8, 1938
5 Claims. (Cl. 250—11)

1. A radio aerial system comprising a plurality of traveling wave antennas located along a line perpendicular to a desired direction of transmission and fed in parallel and in equal phase, the said antennas overlapping along said line and each being terminated by a resistance having a value equal to the surge impedance of the antenna connected thereto.

2,247,745

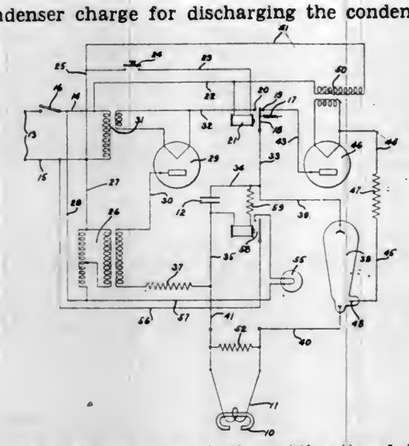
MAGNETIZER

Ralph A. Brader, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 5, 1940, Serial No. 312,498
12 Claims. (Cl. 175—335)

1. In an apparatus for producing an electrical impulse of short duration and magnetizing an article therewith, a condenser, a charging circuit for the condenser, a source of current for said circuit, and a discharge circuit for the condenser, said discharge circuit comprising a coil around the article, and means actuated by the

condenser charge for discharging the condenser



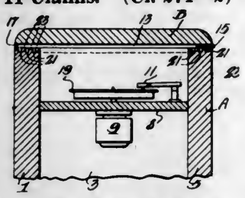
through the coil in a single unidirectional impulse to induce a magnetic field in the article.

2,247,746

CABINET FOR PHONOGRAPHS

Alexander D. Burt, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 29, 1940, Serial No. 343,107
11 Claims. (Cl. 274—2)



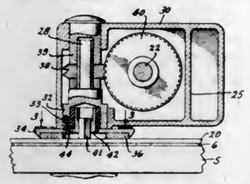
1. A cabinet for housing sound-reproducing apparatus comprising a body portion and a cover portion movably associated therewith, said parts having portions thereof in overlapping relation when said cover is closed with respect to said body, and at least certain of said overlapping portions being provided with at least one cavity constituting an acoustic capacitance.

2,247,747

TURNTABLE DRIVEN RECORDING MECHANISM

Milford E. Collins, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application October 31, 1939, Serial No. 302,175
10 Claims. (Cl. 74—411)



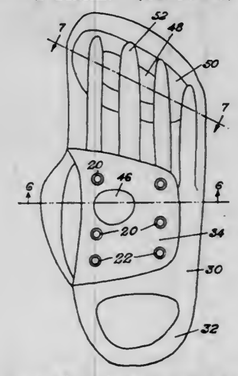
1. In combination, a lead screw adapted to be driven from a spindle having an axis at right angles to the axis of said lead screw, said spindle having eccentricities in the rotation thereof, means for positively connecting said spindle and said lead screw in a plurality of predetermined angular relationships, said means including a shaft, a gear thereon, and a gear on said lead screw meshing with said shaft gear, means included in said connecting means for compensating for small eccentricities of said spindle, and means at the other end of said lead screw for compensating for larger eccentricities of said spindle.

2,247,748

MEDICAL AND MECHANICAL FOOT CUSHION

Lee J. Cotton, Chicago, Ill.

Application June 8, 1939, Serial No. 277,981
1 Claim. (Cl. 36—3)



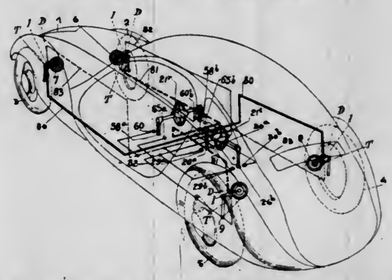
An inner sole for shoes composed of a leather foundation, a cushion for arch support, ventilating holes through the cushion and a side wall resilient ridge for the cushion, a circular cushion having a central recess for the heel and ribs of cushions for between the toes, said ribs of cushions increasing in height as they proceed forward.

2,247,749

STABILIZING DEVICE FOR TERRESTRIAL VEHICLES

Georges d'Espinassy de Venel, Signes, France

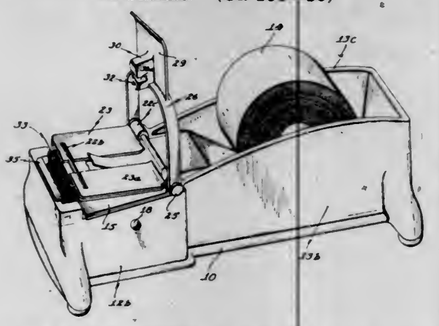
Application January 29, 1938, Serial No. 187,732
In France February 4, 1937
6 Claims. (Cl. 280—124)



1. A terrestrial vehicle comprising wheels, a chassis, means for detecting pitching accelerations, means for detecting rolling accelerations, double-acting stabilizing means interposed between the wheels and the chassis, electric means for controlling said stabilizing means comprising a switch respectively associated with each stabilizer and arranged to be actuated by the relative movement of the chassis and the corresponding wheel, a switch actuated by the means detecting pitching accelerations, a switch

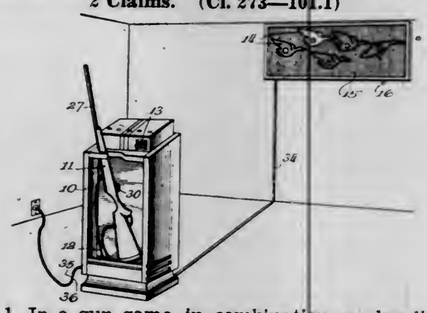
actuated by the means detecting rolling accelerations, the control means being so arranged that the stabilizing means produce no effect when no interfering acceleration is detected.

2,247,750
TAPE DISPENSING DEVICE
Jan Dohnal, Dobris, Bohemia, Czechoslovakia
Application August 19, 1939, Serial No. 291,017
14 Claims. (Cl. 164—36)



1. In a tape dispensing unit, a casing including a tape roll receptacle, said tape receptacle opening upwardly; a bracket in said casing and extending across the top thereof; a cutting blade connected to said bracket and extending transversely of said casing; a projecting member mounted on top of said bracket and carrying a pair of inclined cutting blades extending in a direction substantially perpendicularly to said transverse cutting knife; a depressible platform above said bracket pivoted for vertical movement, said platform having a central aperture and a transverse slot, said transverse cutting blade being adapted upon downward movement of said platform, to cause said transverse recess to receive said cutting blade and to cause said projecting member and inclined cutting blades to project through said central aperture; and manually actuable means for partially piercing a portion of a tape between the slits formed by said inclined cutter blades and for causing a tearing of such tape portion to thereby cause said projecting member to project the cut and torn tab upwardly from the plane of the tape.

2,247,751
GUN GAME
John F. Eakins, Evanston, Ill., assignor to Albert G. McCaleb, Evanston, Ill.
Application December 30, 1936, Serial No. 118,211
2 Claims. (Cl. 273—101.1)

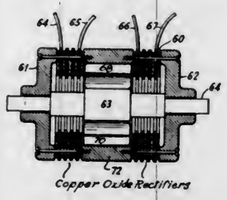


1. In a gun game, in combination, a plurality of targets having stationary positions, an incandescent lamp associated with each target, a photoelectric cell associated with each target, an amplifier, means for energizing any one of said lamps, means controlled by the lamp current for connecting the associated cell to the amplifier, said energizing means including switching mechanism, and means continuously and automatically operating said switching means to energize the lamps in sequence.

2,247,752
PROCESS FOR HALOGENATION OF PHTHALOCYANINES
Arthur Lawrence Fox, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 23, 1937, Serial No. 149,884
9 Claims. (Cl. 260—314)

1. In the process of halogenating coloring matters of the metal phthalocyanine series, the improvement which comprises effecting the halogenation in a medium consisting predominantly of molten aluminum chloride and containing further a halide selected from the group consisting of iron, nickel, copper and antimony chlorides and bromides.

2,247,753
AUTOMOTIVE ELECTRICAL SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application April 14, 1934, Serial No. 720,559. Divided and this application April 7, 1938, Serial No. 200,606
2 Claims. (Cl. 175—366)

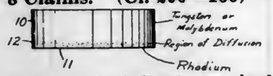


1. In an automotive electrical system a hollow metallic cylindrical shell, an end bell at one end of said shell and annular rectifier discs clamped between said end bell and said cylindrical shell, the central aperture in said discs providing an air passage to the interior of said shell whereby both the interior and exterior surfaces of said cylindrical shell serve as heat radiators for said rectifier discs.

2,247,754
ELECTRIC CONTACT
Franz R. Hensel and Kenneth L. Emmert, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application December 2, 1939, Serial No. 307,278
4 Claims. (Cl. 200—166)

1. An electric contact member formed of an alloy containing as an essential ingredient, silver, to which has been added tellurium in quantities ranging from .05 to 6.0%.

2,247,755
ELECTRIC CONTACT
Franz R. Hensel and Kenneth L. Emmert, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application February 3, 1940, Serial No. 317,135
8 Claims. (Cl. 200—166)

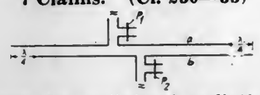


1. An electric contact having a body formed of a refractory metal and a contact face thereon formed predominantly of rhodium.

2,247,756
PROCESS FOR THE MANUFACTURE OF ALCOHOLS AND KETONES
Benjamin W. Howk, Wilmington, and Wilbur A. Lazier, New Castle, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 11, 1939, Serial No. 289,583
20 Claims. (Cl. 260—593)

1. The process which comprises catalytically hydrogenating an ester of a hydroxy acid having at least two carbon atoms in contiguous relation between the hydroxyl group and the ester group and having the hydroxyl group attached to a carbon other than the terminal carbon atom under conditions that will convert the ester group to a carbinol group, heating the resulting diol while in contact with a dehydrogenation catalyst at a temperature in excess of about 150° C. until the evolution of gas ceases, thereby forming a ketone having one less carbon atom than the diol and then catalytically hydrogenating the ketone to the corresponding alcohol.

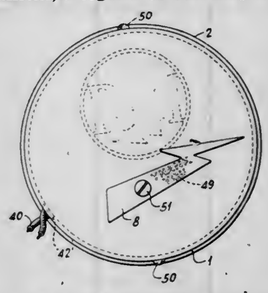
2,247,757
ANTENNA FOR UNIDIRECTIONAL RADIATION OF RADIO WAVES
Walter Jachnow, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 31, 1939, Serial No. 276,508
In Germany June 20, 1938
7 Claims. (Cl. 250—33)



1. Antenna for unilateral radiation of radio waves, with the characteristic feature that the individual radiators consist of two long parallel wires, said wires being axially displaced with respect to one another a distance equal to a quarter of the length of the operating wave, each wire being separately fed with standing waves of like amplitude, the current in both wires being shifted in time phase relative to each other an amount equal to $\pi/2$, said wires being so closely spaced as to radiate as a single wire.

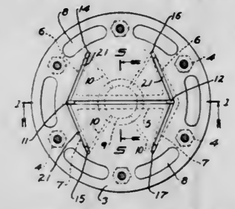
2,247,758
MESSENGER CALL BOX
William Kimmich, Flushing, and Herman Schnoor, New York, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Original application May 22, 1936, Serial No. 81,176. Divided and this application November 5, 1938, Serial No. 238,948
2 Claims. (Cl. 177—378)

1. A messenger call box comprising a casing, call mechanism within said casing having means extending through the casing for operating said call mechanism, a legend of courtesy fixed to said



casing, an operating member attached to said means normally covering said legend of courtesy and movable to uncover the legend when the call mechanism is set in position to operate.

2,247,759
CYLINDER HEAD FOR INTERNAL COMBUSTION ENGINES
Savarian F. Lemanski, Detroit, Mich.
Application March 11, 1940, Serial No. 323,333
3 Claims. (Cl. 123—32)

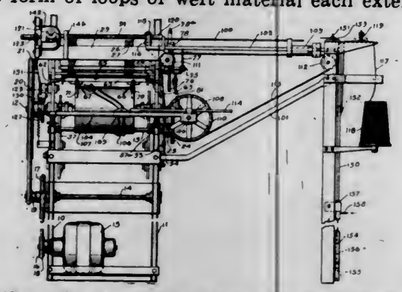


1. In an internal combustion engine, a cylinder, a cylinder head having a diametric chamber of circular cross section, the cylinder head being provided with a pair of chambers at each end of the diametric chamber and on opposite sides thereof, said end chambers being circular in cross section and being largest at the juncture with the diametric chamber and being smallest at the end furthest away from the diametric chamber, a jet for injecting a fuel and air mixture into each end of the diametric chamber, a jet in the small end of each end chamber for injecting a fuel and air mixture longitudinally of each end chamber, the cylinder head being provided with a small longitudinal opening in the bottom of each chamber communicating with the interior of the cylinder and a piston movable into close proximity with the bottom face of the cylinder head.

2,247,760
LOOM AND METHOD OF WEAVING
Frank J. MacDonald, Brookline, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application May 13, 1938, Serial No. 207,724
14 Claims. (Cl. 139—11)

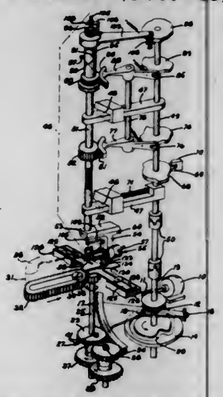
13. A loom for weaving a formed article, said loom comprising a plurality of single eye heddles each controlling a single warp and adapted to draw the warps about the picks without restricting the movement of the woven material beyond the shedding position, individual tensioning means for each warp, template means for con-

trolling movements of the heddles in a desired program of shed forming operations, needle means for inserting a filler of successive picks in the form of loops of weft material each extend-



ing through a single shed, and means for entwining a selvage thread with the successive loops of weft material as they are laid to secure them in place.

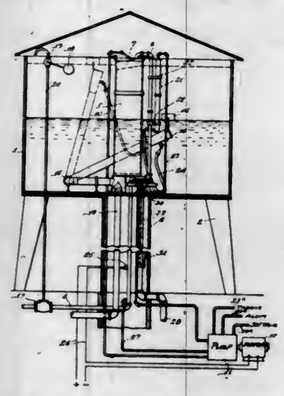
2,247,761
ENGRAVING MACHINE
Clarence E. McCoy, Western Springs, Oliver M. Nielsen, Chicago, and Edward Obert, Oak Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1939, Serial No. 272,760
5 Claims. (Cl. 90—13)



1. In a machine for forming a groove following a path having portions extending at a substantial angle to each other in the surface of an article, a forming tool, means for relatively moving said tool and article, a gauge rotatable about the axis of the tool and riding on the article surface at the side of the tool operatively interconnected thereto to control the depth of the groove, and means for rotating the gauge in timed relation to the relative movement of the tool and article so that the gauge constantly rides on the article surface at the side of the tool.

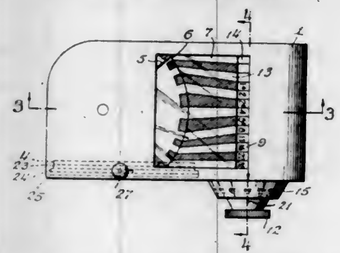
2,247,762
WATER TREATMENT MEANS AND METHOD
Verl E. McCoy, La Grange, Ill.
Application February 27, 1939, Serial No. 258,691
15 Claims. (Cl. 210—10)

1. A water treatment method comprising continuously maintaining a supply of water and a supply of chemical solution at corresponding levels and with a predetermined surface area ratio at any common level by intermittent simultaneous renewal of both supplies in proportional amounts in response to withdrawal, withdrawing water from said water supply at a variable rate



and draining said chemical solutiton by gravity from said solution supply into the outflowing water in a predetermined volumetric ratio corresponding to said surface area ratio irrespective of the rate of outflow.

2,247,763
EXPOSURE METER
Richard Meyers, New York, N. Y.
Application April 29, 1939, Serial No. 270,714
2 Claims. (Cl. 88—23)

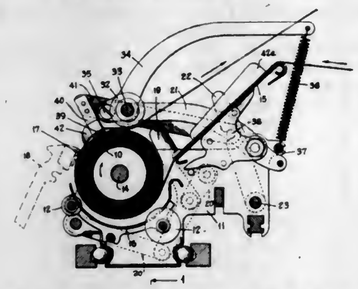


1. A light meter comprising a small compact casing, a light-sensitive member carried by the casing, a pointer adapted to be actuated by the reaction of light upon said light-sensitive member and to move to various positions under different conditions of light intensity, a scale arranged with respect to the path of movement of said pointer, a shaft arranged transversely of said casing, a chart connected with said shaft, said chart having a series of indications thereon representing lens opening values, said shaft extending through a wall of said casing, a dial carried by and rotatable on said shaft, said dial lying against a wall of said casing, shutter speed and Scheiner indications on said dial, an adjusting member on said shaft, said adjusting member being adapted to be moved and simultaneously adjust said chart, said dial and the shutter and Scheiner indications carried by said dial, a spring connected with said shaft and normally adapted to force said adjusting member toward said dial, said dial being movable to expose at will any series of values on said chart in alignment with said scale and means adjustably coupling said dial and said shaft.

2,247,764
BINDER FOR PATCHING VENEERS
James V. Nevin, Aberdeen, Wash.
No Drawing. Application February 26, 1938, Serial No. 192,790
2 Claims. (Cl. 260—30)

2. An adhesive adapted for cold setting with a mineral acid into an infusible water resisting resinous mass comprising an aqueous dispersion of a resin derived from a simultaneous partial condensation of urea and a cresol with formaldehyde, a soluble borate, a polyhydric alcohol plasticizer and a soluble phosphate.

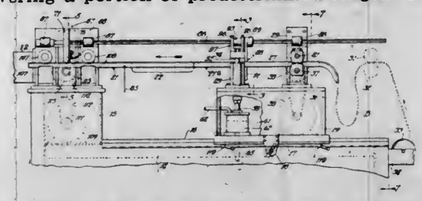
2,247,765
MANIFOLDING
Louis C. Antrim, New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application January 26, 1938, Serial No. 187,044
14 Claims. (Cl. 197—133)



1. A typewriter comprising a rotatable platen adapted to support a manifolding pile having a plurality of superposed and interleaved record and transfer strips divisible into sheet-lengths, said strips having in their lateral margins feed-arresting apertures at sheet-length intervals, and said strips having means located at sheet-length intervals for securing the strips of the pile together in registration; means for advancing the platen line-by-line; yielding feeding means for pressing the manifolding pile against the platen to advance therewith, said feeding means being located in longitudinal alignment with said feed-arresting apertures so as to enter said apertures after a sheet-length of said manifolding pile has been fed to relieve the pile from feeding pressure and free the several strips for relative movement into registration fixed and controlled by said strip securing means upon relief of feeding pressure to thereby dissipate the creep inherently accumulated in the pile during the frictional feeding of one sheet-length with and around the rotatable platen; and means adjacent the platen and over which the strips pass to relieve the strips from binding engagement with the platen to prevent the pile from being advanced inadvertently by the platen while the feeding means are located in said feed-arresting apertures.

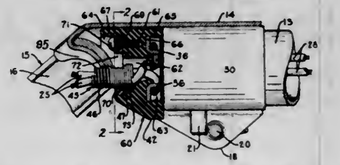
2,247,766
CUTOFF MACHINE
Martin G. Boerger, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application June 3, 1939, Serial No. 277,186
16 Claims. (Cl. 164—49)

16. In a material feeding and cut-off machine, the combination of a pair of rolls for feeding a strip of material to the machine, a vertically movable stop member having an electrical contact mounted thereon and insulated therefrom, said contact being adapted to be positioned in the path of movement of the strip through the machine and to be engaged thereby, a cutter for severing a portion of predetermined length from



said strip while in engagement with said stop, means operatively related to the cutter for moving the contact out of engagement with said strip, means for removing the severed portion from the machine, and a roller on said stop member engageable with said severed portion for retaining the contact out of engagement with said portion during the removal thereof.

2,247,767
ELECTRIC CONNECTOR
Harold H. Boyer, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 21, 1937, Serial No. 160,236
1 Claim. (Cl. 173—322)

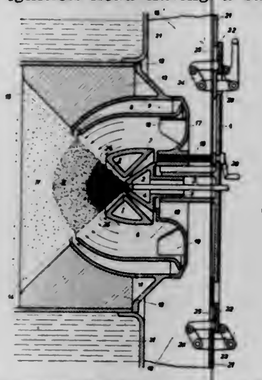


In a device of the character described, a socket, an electric connector in said socket and having a body provided with a bore for an electric cord, a cord protector about said cord and having an enlarged and reduced portion, a shoulder formed on said cord protector by said enlarged and reduced portions, a retaining member detachably mounted on said body and having an opening spaced from its marginal periphery and communicating with said bore, said opening being so constructed with respect to said enlarged portion of said cord protector for passing said enlarged portion longitudinally therethrough and thence laterally of said opening, whereby the defining wall of said opening engages said shoulder to hold said cord protector against longitudinal movement through said opening, and means carried by said socket for abutting said reduced portion to prevent lateral movement of said cord protector in said opening.

2,247,768
FIRING EQUIPMENT FOR THE COMBUSTION OF LIQUID FUELS
Eugen Huwyler, Paris, France
Application June 28, 1937, Serial No. 150,851
In Austria August 6, 1936
3 Claims. (Cl. 158—73)

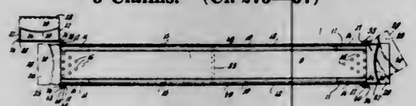
2. In a burner for heavy liquid fuels, a fuel nozzle, a body surrounding the nozzle and extending beyond the end of the nozzle, said body having an opening therein and a conical shaped outer surface with the smaller end thereof ad-

jacent the end of the nozzle, an ignition head surrounding said body in a spaced relation with respect to said conical surface providing an annular passage for supplying air to the fuel after the fuel has passed beyond the opening in said body, said ignition head having a surface por-



tion flaring outwardly from points adjacent the smaller end of said body, and an annular member surrounding said ignition head in a spaced relation providing an annular air conduit between the ignition head and the annular member.

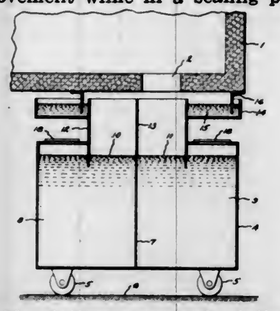
2,247,769
BOWLING ALLEY
Arthur D. Constant, Brooklyn, N. Y.
Application July 12, 1940, Serial No. 345,060
5 Claims. (Cl. 273—37)



1. In a bowling alley, a bowling board adapted to support a set of pins at the opposite end portions, and pit sections of box form having an open end and pivotally mounted on a vertical axis at one side of the open end thereof on one side of the bowling board at the opposite ends of the board to adapt said pit sections to be positioned with the open end of a pit section in mating relation to an end of the bowling board to receive balls thrown from the opposite end of the bowling board at which latter end the pit section has been positioned with the open end thereof extending in a vertical plane at a right angle to said end of the bowling board.

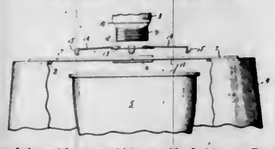
2,247,770
HEAT TREATING APPARATUS
Ralph E. Cox, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 27, 1940, Serial No. 348,009
4 Claims. (Cl. 266—4)

1. Heat treating apparatus comprising a furnace in which articles to be treated are heated in a non-oxidizing atmosphere, a quench tank having a plurality of chambers adapted each to contain a quenching medium, said furnace and tank being arranged for relative movement whereby articles discharged from the furnace may fall into one or the other of said chambers, and means forming a gas tight seal between said furnace and said tank and comprising cooperating parts constructed to have relative horizontal movement while in a sealing position to



permit said relative movement of the furnace and tank.

2,247,771
BRIDGE LAMP AND A DIFFUSING BOWL THEREFOR
John R. Crellin, Jr., Meriden, Conn., assignor to General Electric Company, a corporation of New York
Application December 20, 1939, Serial No. 310,251
3 Claims. (Cl. 240—81)



3. In combination with a lighting fixture comprising a lamp socket and a shade support detachably mounted thereon, a light-diffusing bowl and means for supporting said bowl, said bowl-supporting means including a collar mounted on the lamp socket above the shade support and a plurality of spring fingers radially extending therefrom and resiliently engaging said bowl to hold the upper and open end of said bowl in contact with said shade support.

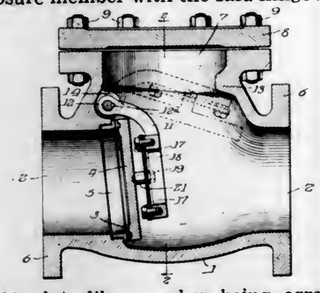
2,247,772
PHENOL-FORMALDEHYDE RESINOUS COMPOSITION
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application August 23, 1938, Serial No. 226,273
7 Claims. (Cl. 260—45)

1. A one-stage process of preparing a casting resin which consists in reacting under heat to resin formation a phenol, a molecular excess of formaldehyde and a catalytic amount of a mixture of an amino carboxylic acid and an amino carboxylic compound obtained by neutralizing the —COOH grouping of an amino carboxylic acid with a base, the said amino carboxylic acid and amino carboxylic compound each being reactable with formaldehyde.

2,247,773
VALVE
Stephen M. Dunn, Los Angeles, Calif.
Application February 15, 1939, Serial No. 256,407
4 Claims. (Cl. 251—123)

1. A check valve comprising a casing having a fluid passageway therethrough, a closure member

for the passageway, a hinge member for the said closure member, a flexible plate-like member extending substantially in a plane parallel to the plane of seating of the closure member with the casing and positioned between the said hinge and closure members serving thereby to connect the said closure member with the said hinge member,



the said plate-like member being arranged in spaced-apart relation to the said closure member, providing for a fixed, flexible connection therebetween whereby the wear due to repeated impact and normally occurring in the connection between the said hinge and closure members is substantially reduced.

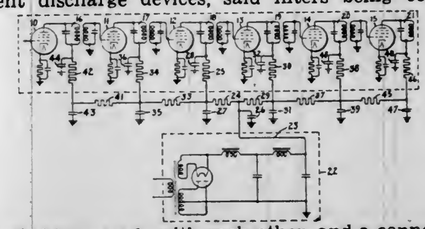
2,247,774
COSTUMER
Edmond J. Forsyth, Chicago, Ill.
Application August 28, 1939, Serial No. 292,201
6 Claims. (Cl. 211—178)



1. In a costumer of the class described comprising a sectional base, a standard connected to the same and comprising two hinged sections and a suspension section at the top of the standard, the standard having intersecting slots at the top and bottom and the base and suspension sections each comprising flat members having narrow connecting portions with top and bottom slots telescopically interfitting in the slots of the standard, and connecting means through the standard and base and suspension section members.

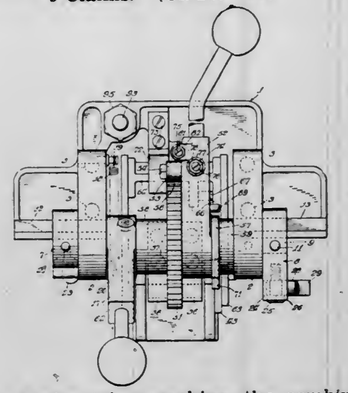
2,247,775
AMPLIFIER POWER SUPPLY
Paul C. Gardiner, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 12, 1940, Serial No. 345,152
5 Claims. (Cl. 179—171)

1. A multi-stage amplifier having at least three cascade-connected electron discharge devices and a common source of power therefor, a power supply filter connected between each pair of adjacent discharge devices, said filters being con-



nected in cascade with each other, and a connection from said source of power to an intermediate point along said cascade-connected filters to supply power to said devices.

2,247,776
WIRE TWISTING DEVICE
John M. Gerrard, Chicago, Ill.
Application December 14, 1940, Serial No. 370,151
9 Claims. (Cl. 140—93)

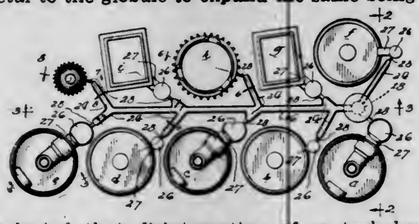


1. In a wire tying machine, the combination of a pair of spring returnable selective tensioning members movable in opposite directions, means on the respective members for holding the respective ends of a pair of overlapping bights of wire, a slotted wire twisting pinion for twisting said overlapping bights of wire together while under tension, and a straddle cutter operable at the completion of the twisting operation to cut the tensioned ends of the wire and permit the machine to be released from its binding result.

2,247,777
METHOD FOR FORMING CASTINGS
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, Chicago, Ill., a corporation of Illinois
Original application January 15, 1940, Serial No. 313,872. Divided and this application April 6, 1940, Serial No. 328,214
7 Claims. (Cl. 22—200)

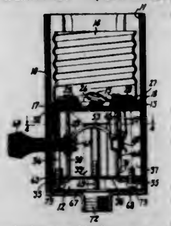
1. The method of producing metallic castings in a mold impression from fused metal which comprises manipulating the fused metal to form a globule in the mold impression, said globule being held together by gravity and the surface tension of the fused metal, continuously expanding the globule by gradually adding metal thereto at low velocity, the expansion of said globule being continued uninterruptedly until the mold impres-

sion is filled, and the step of continuously adding metal to the globule to expand the same being so



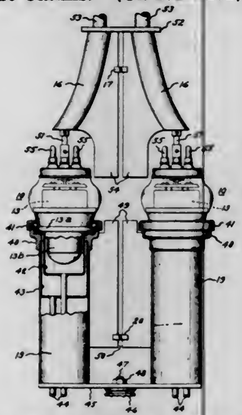
conducted that disintegration of or turbulence in the globule is prevented.

2,247,778
ELECTRIC SOCKET
Merrill C. Hoxie, Eggertsville, N. Y., assignor to General Electric Company, a corporation of New York
Application July 4, 1939, Serial No. 282,781
15 Claims. (Cl. 173—347)



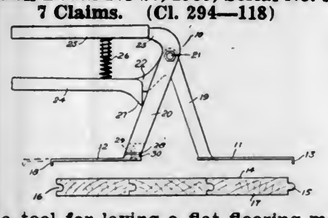
1. In an electric switch, a support, a plurality of contacts non-rotatably mounted with respect to said support and at least one of which is movable and biased to one circuit controlling position, a rotatable circuit controller for moving said movable contact to another circuit controlling position, and means including a spring in the form of an open loop having spaced resilient arms operatively connected with said circuit controller for rotating said circuit controller with a snap action.

2,247,779
HIGH FREQUENCY APPARATUS
James E. Keister, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 1, 1940, Serial No. 338,367
10 Claims. (Cl. 179—171)



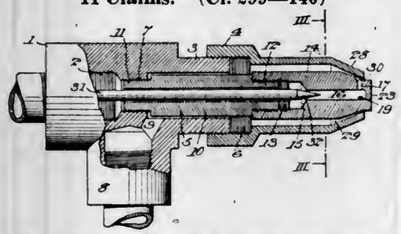
1. In combination with an ultra high frequency amplifier comprising a pair of thermionic devices disposed in spaced relation and each having anode and grid terminals, a pair of resonant transmission line conductors connected to a like pair of said terminals and adapted and arranged to form a tuned tank circuit therewith, a pair of plates of high electrical conductivity positioned between said conductors, one edge of each plate being in conductive engagement with one of said conductors and opposing edges of said plates being in close proximity to each other and defining a relatively narrow gap therebetween, and a conductive member adjustably bridging said transmission line for adjusting the electrical length of said line substantially to resonance at the operating frequency of said amplifier.

2,247,780
FLOOR LAYING APPARATUS
Arthur Klammt, New York, N. Y., assignor to W. M. Ritter Lumber Company, a corporation of West Virginia
Application December 27, 1939, Serial No. 311,090
7 Claims. (Cl. 294—118)



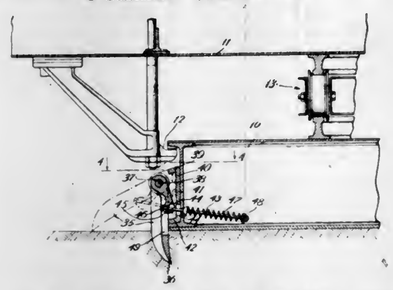
1. In a tool for laying a flat flooring member, in combination, means adapted to engage an edge of said member throughout a wide lateral extent of said edge, means to engage the opposite edge of said member throughout a narrow lateral extent of said opposite edge, means to limit said engagement to the upper portions of said edges, resilient means normally urging said two engaging means apart, and manually operative means to move said two engaging means toward each other whereby said member may be gripped between said two engaging means.

2,247,781
ATOMIZING NOZZLE
George W. Leiman, Denville, N. J., assignor to Leiman Bros. Inc., Newark, N. J., a corporation of New Jersey
Application September 28, 1939, Serial No. 296,933
11 Claims. (Cl. 299—140)



8. An atomizing device comprising, a nozzle having a tapered end and a mouth formed therein, and a tip having at least five sides located within the nozzle with space therebetween, said tip being provided with a tapered portion for cooperation with the tapered end of the nozzle and a projection extending beyond said tapered portion, the said tip having a longitudinal channel formed, therein, three or more flat faces on its said projection, radial passages extending from the channel to approximately the junction of said tapered portion and said projection on the tip, and angularly disposed grooves extending from the space between the tip and nozzle through said tapered portion to said faces and radial passages, one wall of said grooves constituting an extension of the adjacent face on the projection of the tip and the other wall terminating at the junction of said face and the tapered portion on the tip, said passages lying in a plane that is not outwardly of the nozzle mouth, means for supplying a liquid to said channel, and means for supplying a gas under pressure to said space between the nozzle and the tip and through said grooves to said faces and passages.

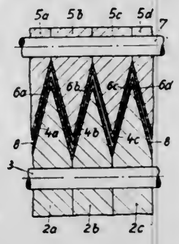
2,247,782
ANCHORING MEANS FOR MACHINES EMBODYING WALKING TRACTION MECHANISM
Oscar J. Martinson and Warren C. Martinson, River Forest, Ill., assignors to Bucyrus-Monighan Company, Chicago, Ill., a corporation of Illinois
Application July 24, 1939, Serial No. 286,188
8 Claims. (Cl. 180—8)



3. In a machine having a walking traction mechanism, the combination of a main supporting base and means for tilting said base upwardly along one edge, dragging it along the ground and setting it down again for each successive step of the mechanism, anchoring means automatically operative after each step for holding the base against sliding and swiveling movement on its footing, and automatically releasable when the mechanism walks, said anchoring means comprising a plurality of elongated spuds mounted at spaced intervals peripherally of said base normally to project below the bottom plane thereof and pivot means connecting said spuds with said base permitting each of said spuds to swing outwardly and upwardly from said base toward said plane.

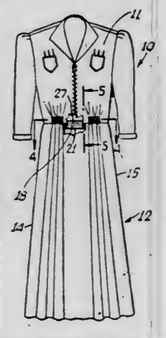
2,247,783
MACHINE FOR THE PRODUCTION OF ALTERNATING ENERGY FROM DIRECT CURRENT SOURCES
Joseph Massolle, Gross-Glienicke, Post Cladow, Germany
Application May 4, 1938, Serial No. 205,885
In Austria May 8, 1937
1 Claim. (Cl. 175—363)

A rotary machine for use in the production of alternating potential from a direct potential by periodically varying the capacity between rotor and stator, comprising a rotor and a stator, said rotor being provided with at least one disc-like member forming a capacity surface, said stator being provided with at least one disc-like member forming a capacity surface, said disc-like members of the rotor and the stator being provided with toothed annular portions at their lateral surfaces, the toothed annular portions of the



rotor and the stator being disposed adjacent to each other and being constructed as conical surfaces with the axis of rotation coinciding with the axis of the rotor, and a dielectric arranged between the annular portions of the rotor and the stator.

2,247,784
GARMENT
Harry Presser, New York, N. Y.
Application February 16, 1940, Serial No. 319,206
2 Claims. (Cl. 2—74)

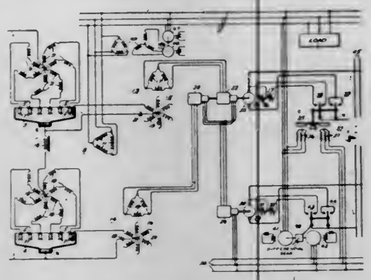


1. A dress comprising a blouse, an inner band stitched to the lower edge of the blouse by a seam and being made of substantially stiff inelastic material, and a skirt, the upper end of the skirt being stitched to the lower edge of the blouse and to said inner band by a second seam disposed closely adjacent to the first seam.

2,247,785
ELECTRIC VALVE TRANSLATING SYSTEM
Heinz Puppe, deceased, late of Berlin-Reinickendorf, Germany, by William A. Dodge, administrator, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 29, 1939, Serial No. 270,890
In Germany May 25, 1938
12 Claims. (Cl. 175—363)

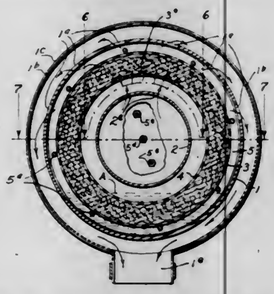
1. In combination, a constant current-direct current circuit, an alternating current circuit, a pair of electric valve means energized from said direct current circuit for producing alternating components of current of constant value, an inductive network energized in accordance with a resultant of said alternating components of cur-

rent, means for controlling the conductivities of said electric valve means to control the phase displacement of said components of alternating current and to control thereby the magnitude of the



resultant current, and means for controlling the phase of said resultant current with respect to the voltage of said alternating current circuit to transmit power to said alternating current circuit at constant voltage.

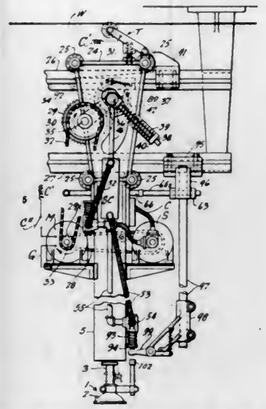
2,247,786
AIR CLEANER
Zelie Riddle, San Diego, Calif.
Application June 20, 1939, Serial No. 280,085
3 Claims. (Cl. 183—9)



2. In an air cleaner of the class described, the combination of an inner air inlet casing, a revolubly mounted filter mass surrounding said inner casing, an outer casing enclosing said revolubly mounted filter mass and a casing portion surrounding said outer casing provided with an air conductor connection portion at its lower side, said inner casing and outer casing each provided with perforations in their upper side communicating with the interior of said casing portion surrounding said outer casing.

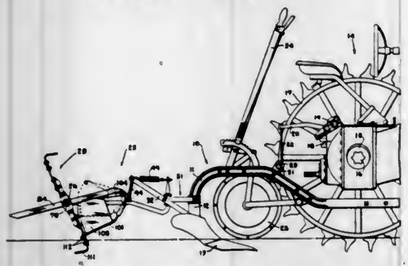
2,247,787
SUCTION LIFTER
Gottfried J. Schmidt, Pearl River, N. Y., assignor to Bowling Patents Management Corporation, a corporation of New York
Application July 29, 1939, Serial No. 287,225
19 Claims. (Cl. 214—1)

1. A transfer mechanism of the class comprising a suction head with a vacuum cup device adapted to be engaged with an article to be transferred, means to move said vacuum cup toward and away from a position occupied by said article, means to apply to said vacuum cup suction of an order adequate to form a substantially vacuum-tight sealed joint between said cup and said article, a suction control valve means, and means to operate said valve to make effec-



tive in said vacuum cup suction of a higher order adequate to sustain the article.

2,247,788
DAM FORMING DEVICE
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 2, 1936, Serial No. 108,759
36 Claims. (Cl. 97—55)

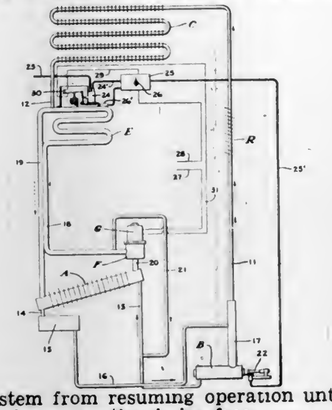


1. In a device for collecting earth including a scraping tool movable into and out of earth-engaging position, means responsive to the height of the pile of earth collected by said tool for controlling the movement of the tool out of earth-engaging position, said controlling means being adjustable to operate selectively responsive to various predetermined heights of collected earth.

2,247,789
REFRIGERATION
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 20, 1937, Serial No. 164,736
19 Claims. (Cl. 62—5)

1. In a refrigerating system having a heat exchange portion subject to ice deposition, means responsive to a predetermined ice deposition for rendering said system inoperative, said means comprising a thermal element and a heat transfer means in heat transfer relationship with said thermal element positioned to be contacted by a frost coat forming on said heat exchange portion, said heat transfer means increasing in total heat conductivity in a direction away from said heat exchange portion and means respon-

sive to a condition of said system for preventing

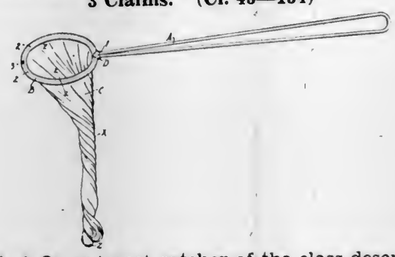


said system from resuming operation until said heat exchange portion is ice free.

2,247,790
METHOD OF FORMING CHLOROACRYLATE POLYMERS
Franklin Strain and Maxwell A. Pollack, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application August 12, 1939, Serial No. 289,898
13 Claims. (Cl. 260—83)

1. A method of polymerizing an alpha chloroacrylate while minimizing color formation during the polymerization which comprises conducting the polymerization under substantially anhydrous conditions.

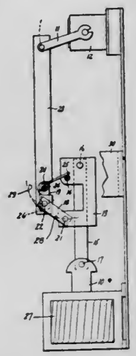
2,247,791
INSECT AND FLY CATCHER
Ester Sundquist, St. Paul, Minn.
Application August 1, 1940, Serial No. 349,146
3 Claims. (Cl. 43—134)



1. A fly or insect catcher of the class described comprising a handle member and an end loop carried thereby, a flexible sack secured to said loop and means carried by the end of the sack for applying torsion to said sack to hold the sack in a spirally closed position.

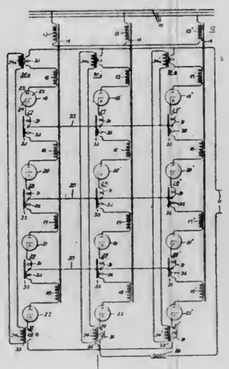
2,247,792
OPERATING MECHANISM
Allen G. Stimson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 24, 1940, Serial No. 348,971
5 Claims. (Cl. 74—110)

1. The combination with a member having rectilinear movement of a first arm having a fixed pivot, a connection between said first arm and said member for movement of said arm through a predetermined arc upon movement of said member between two positions, a second arm having a fixed pivot, and a link connecting said arms to each other, the point of connection of



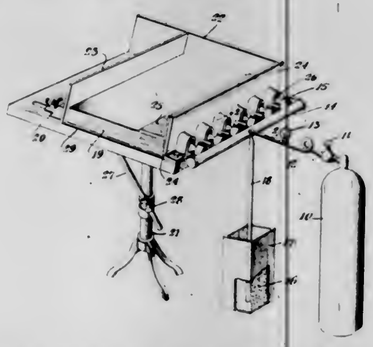
said link with said first arm having a radius of movement greater than the radius of movement of the point of connection of said link with said second arm so that the arc of movement of said first arm is at least substantially outside of the arc of movement of said second arm.

2,247,793
ELECTRIC VALVE CONVERTING SYSTEM
Richard Tröger, Berlin-Zehlendorf-Mitte, and Otto Renner, Berlin-Glienicke-Nordbahn, Germany, assignors to General Electric Company, a corporation of New York
Application June 21, 1939, Serial No. 280,336
In Germany July 29, 1938
8 Claims. (Cl. 175—363)



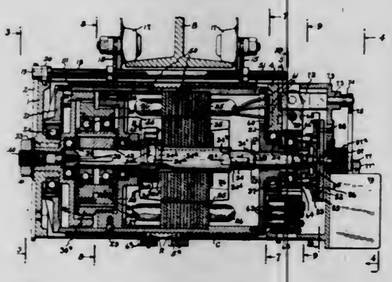
1. Apparatus for transmitting energy between direct and alternating current circuits comprising a plurality of electric discharge valves connected in series relation, means for impressing an electromotive force upon said valves, electric translating apparatus connected in parallel with each of said discharge valves, and a plurality of inductive windings, connected between successive ones and in series relation with each of said electric discharge valves for limiting the arc back current due to the failure of any valve.

2,247,794
APPARATUS FOR TREATING SHEET MATERIAL
Andre Wallach, Atlanta, Ga., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Original application May 21, 1936, Serial No. 81,054. Divided and this application October 29, 1938, Serial No. 237,653
6 Claims. (Cl. 91—45)



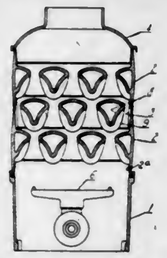
5. An apparatus for treating a stack of sheets to render the individual sheets separable, comprising means to support the stack of sheets and restrain movement thereof parallel to the plane of the sheets in a given direction, means positioned to direct a current of gas substantially in said given direction against the edges of the sheets in the stack, means for supplying a current of gas to said directing means, and means to disperse a comminuted material in said gas current whereby the comminuted material will be inserted between the sheets.

2,247,795
ELECTRIC HOIST
Preston Whitcomb, Kenmore, N. Y., and George A. Mitchell, Muskegon, Mich., assignors to Manning, Maxwell & Moore, Inc., New York, N. Y., a corporation of New Jersey
Application February 1, 1938, Serial No. 188,044
7 Claims. (Cl. 254—168)



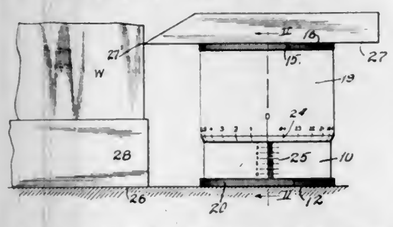
3. In a mechanism of the type described, the combination including a cable drum, a reversible electric motor having an armature and shaft, said shaft being operatively connected to said drum to rotate it in either direction, a sleeve interposed between the armature and the shaft and secured to the armature, said sleeve being capable of limited rotational movement on the shaft, a brake having a relatively fixed contact member and a contact member rotatable with said shaft, and means actuated by the sleeve upon relative movement of the sleeve on the shaft to engage the contact members of the brake mechanism upon deenergization of the motor and initial operation thereof in a reverse direction and to disengage the contact members upon energization of the motor.

2,247,796
HEATING BOILER
Harold S. Ackerman, Aspinwall, Pa.
Application August 4, 1939, Serial No. 288,318
7 Claims. (Cl. 122—214)



3. A heating furnace comprising a plurality of boiler sections in superposed relation, each section embodying a plurality of parallel horizontal flow passages with air spaces therebetween, the outside wall of the end flow passages of alternate sections being of a shape to partially overlap the intermediate sections to thereby totally enclose the intermediate section.

2,247,797
MICROMETRIC GAUGE
Harry Anderson, Valparaiso, Ind.
Application December 30, 1940, Serial No. 372,255
2 Claims. (Cl. 33—164)



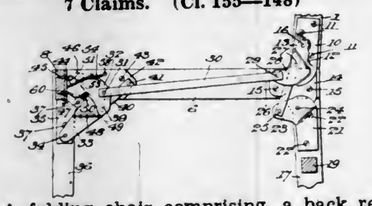
1. A gauge base for supporting a scribing tool comprising a lower annular member having internal threading, an upper member concentric with and engageable in said annular member and having exterior threading for engagement with internal threading whereby relative rotary movement of said members will effect relative axial movement thereof, a sleeve depending from said upper member and surrounding said lower member, scale indications extending circumferentially around said sleeve for cooperation with indicating points on said lower member to indicate the distances of relative axial movement of said members, said lower member having a circumferentially extending channel, an expansible friction ring in said channel pressing radially against the inner side of said sleeve whereby said members are frictionally held in set position, and means holding said friction ring against rotational movement in said channel.

2,247,798
SHAVER
Robert F. Bean, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 15, 1939, Serial No. 256,517
5 Claims. (Cl. 30—43)



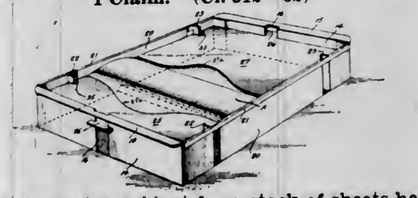
1. In a shaver, a stationary cutting head having a blunt face contacting surface of substantial area and an arcuate shearing surface at one edge thereof extending transversely away from said face contacting surface, hair receiving grooves in said face contacting surface having a depth substantially equal to the length of the hair to be cut and extending transversely to and terminating at said shearing surface and forming alternate teeth and slots therein, a cutter rotatable on an axis perpendicular to said face contacting surface and having an exposed outer end adjacent said face contacting surface and having an axially extending cutting face cooperating with said shearing surface to shear hair projecting through said slots, and means for rotating the cutter.

2,247,799
FOLDING CHAIR
Whitlock Boardman, Hoboken, N. J., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J., a corporation of New Jersey
Application August 31, 1939, Serial No. 292,859
7 Claims. (Cl. 155—148)



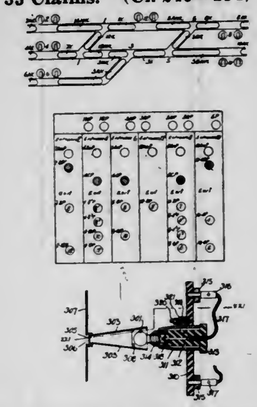
5. A folding chair comprising, a back rest, a seat pivoted thereto, rear legs pivoted to the seat for folding forwardly, front legs pivoted to the seat for folding rearwardly, and mechanism permitting the back rest, seat, and legs to be folded into substantial parallelism and for locking said parts in unfolded usable position, said mechanism including plates fixed to the seat having projections pivoted to the back rest, plates on the rear legs having projections pivoted to the plates on the seat, plates fixed to the front legs having projections pivoted to the seat, additional plates pivoted on the front legs and linked to the seat, plates on the back rest linked to the plates on the rear legs and each connected by a single link to the additional plates on the front legs, locking elements on said additional plates, complementary locking elements carried by the chair seat, and means for automatically engaging and manually disengaging said locking elements, one of said locking elements being elongated in cross section and the other having a slot, said slot opening in a forward and downward direction when the chair is unfolded so as to require a forward and downward manual movement of its complementary locking element for releasing the lock.

2,247,800
DISPENSER FOR STACKS OF SHEETS
Frank L. Broeren, Neenah, and Archie S. Krueger, Green Bay, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application December 16, 1940, Serial No. 370,416
1 Claim. (Cl. 312—62)



A dispensing cabinet for a stack of sheets having a bottom, opposed side walls and end walls, vertically extending guide slots in the end walls, cover members having lug members receivable and slidable in said slots, said cover members being adapted to rest freely under the influence of gravity on said stack of sheets, the free edges of said cover members being spaced apart to expose the uppermost sheet in said stack, a pair of opposed vertically extending guide flange members in the said side walls, each of said cover members being cut away adjacent said guide flange members for slidable engagement therewith, and said bottom having a portion thereof elevated and aligned between the opposed free edges of said cover members, whereby the stack of sheets is curved upwardly for permitting ready grasping of the uppermost sheet.

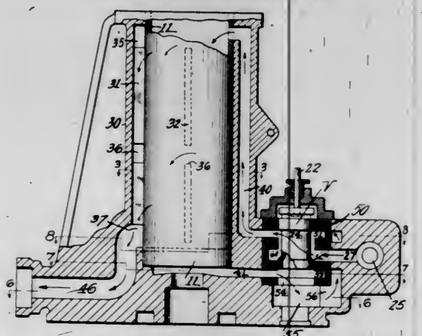
2,247,801
SIGNALING AND INTERLOCKING SYSTEM FOR TRAFFIC ROUTES
Georges Louis Caille, Vaujours, and Alexandre Pierre Laze, Paris, France, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 26, 1939, Serial No. 286,668
In France January 14, 1939
33 Claims. (Cl. 246—134)



1. In an interlocking control system for a track layout comprising a plurality of track sections interconnected by track switches to form different traffic routes, with signals at the entrances to such routes, a control panel comprising a track diagram adapted to form illuminated representations of the different traffic routes, a control desk

associated therewith provided with a group of buttons for each route entrance, each group including a route button for each route diverging from the corresponding entrance, each such button being marked to identify it according to the exit end of the route with which it is associated, route control apparatus responsive to the momentary operation of any one of said buttons alone, to initiate a sequence of operations comprising the automatic operation of the track switches as required to establish the corresponding route, the clearing of the signal at the entrance to such route when established, and the illumination of the portions of said track diagram representing said route; and means controlled automatically by a train passing over said route in response to the clearing of said signal for cancelling said route section by section and for cancelling the illumination of the corresponding sections of the track diagram to indicate the progress of the train over said route.

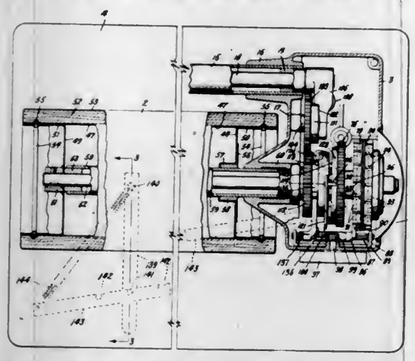
2,247,802
JACKETED STEAM HAMMER
Mark H. Damerell, Worcester, Mass.
Application January 4, 1940, Serial No. 312,403
1 Claim. (Cl. 121—181)



In a steam hammer, a cylinder head comprising an outer casing comprising a steam jacket having a plurality of internal longitudinal ribs, a cylinder comprising a separate lining sleeve fitting within said casing and spaced therefrom by said longitudinal ribs, one of said ribs extending from end to end of said jacket and constituting a partition dividing the jacket space into two separate portions while the other ribs terminate short of the ends of the jacket, said jacket being provided with an exhaust outlet near one end of the jacket, a main valve located externally of said steam jacket and having a valve casing provided with a lining sleeve having ports, and connections from said ports leading to both ends of said cylinder, the valve being effective for alternately supplying live steam to opposite ends of said cylinder and withdrawing exhaust gases therefrom, and connections from the valve casing to said steam jacket for supplying exhaust steam thereto.

2,247,803
IRONER
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application December 22, 1938, Serial No. 247,256
9 Claims. (Cl. 38—61)

7. In an ironer, cooperating pressing members including a roll, means for effecting engagement and separation of said members, a roll driving shaft, roll driving gearing comprising a driving pinion, a carrier fixed to the roll driving shaft carrying a gear meshing with said pinion, and a second gear rotatable with said first gear, internal gears meshing respectively with said first and second gears, detent means positionable to cooperate with one or the other of said internal

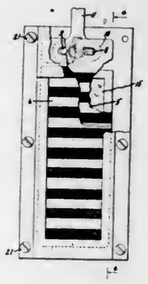


gears and movable into and out of a position holding it stationary to establish a driving connection to the roll, an adjusting member for positioning said detent means to cooperate with one or the other of said internal gears, and means responsive to the relative position of said pressing members for effecting movement of said detent means into and out of said position.

2,247,804
PERMANENT MAGNET
Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application February 23, 1939, Serial No. 258,023
3 Claims. (Cl. 148—11.5)

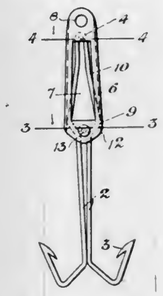
1. The method of making a permanent magnet alloy containing about 2 to 8% aluminum, 5 to 15% manganese with the remainder substantially silver which comprises heating the alloy at a temperature of at least about 800° C., quenching, cold rolling the alloy and thereafter aging it.

2,247,805
LIGHT OR EXPOSURE METER
Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application August 25, 1939, Serial No. 291,927
3 Claims. (Cl. 88—23)



1. An exposure meter comprising an enclosing casing having a window, a photo-electric device in said casing, a light valve engaging said window and a light diffusing plate between said device and said valve, said valve comprising relatively movable plates having cooperating light openings therein, the outermost plate having a smooth exterior surface thereby avoiding the collection of dust in the light openings thereof.

2,247,806
FISHHOOK
William Howard Foley, Toronto, Ontario, Canada
Application July 22, 1940, Serial No. 346,825
In Canada June 28, 1940
4 Claims. (Cl. 43—37)

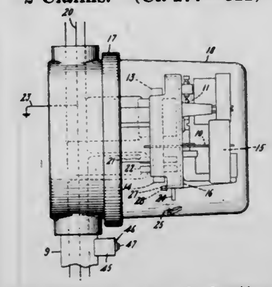


1. In combination, a socket transversely internally tapered outwardly from its inner end, and having a pair of opposed corners located within the outer ends of the side walls thereof, a pair of laterally-positioned normally-separated integral fish-hooks formed from suitable spring wire and provided with a bight at the inner ends thereof, each hook consisting of an inner diverging shank-portion which terminates in a shoulder, the outer portion of each shank beyond its shoulder being offset inwardly and terminating each in an oppositely-disposed barb, the inner portions of said hooks being housed within said socket in frictional contact with the tapered interior thereof, and pivoting means so positioned in said outer ends that as the hooks are drawn outwardly frictional contact thereof with said socket progressively decreases and the shoulders of said hooks as they pass by said corners in contact therewith will ensure the spreading apart of the hooks and the bight will come into contact with said pivoting means and thereby position the inner end of the hooks to provide them with abundant lateral movement without hindrance from said corners and without the barbs contacting one another.

2,247,807
MINERAL OIL COMPOSITION
Everett W. Fuller, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 5, 1939, Serial No. 307,589
6 Claims. (Cl. 252—46)

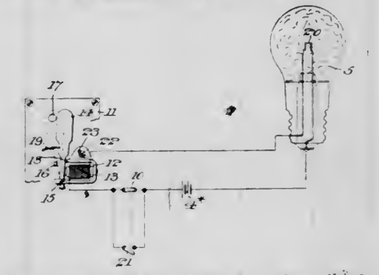
1. A mineral oil composition of the type adapted for use in turbines and transformers comprising a moderately refined mineral oil potentially susceptible to the formation of sludge under the conditions of use normally encountered in turbines and transformers and at least 0.1 per cent of beta naphthol disulfide sufficient to resist the formation of said sludge under said conditions of use.

2,247,808
SURGE INDICATOR
William D. Hall, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application May 24, 1939, Serial No. 275,423
2 Claims. (Cl. 177—311)



1. In combination, an induction watthour meter having electromagnet energizing means, a rotary armature of conducting material, permanent magnet means for producing a damping flux through said armature, a magnetic shield between the energizing means and said permanent magnet damping means, a bracket extending from the lower part of said shield for supporting the permanent magnet damping means, a polarized magnetic bar magnetically spaced from and secured to the lower part of said shield and adjustable towards and away from the permanent magnet damping means, a polarized magnetic drop-off bar normally held to the first bar by magnetic attraction but adapted to drop by gravity when released, said bars being designed to be released in response to abnormal surge fluxes in the meter which are of such character as likely to cause alteration in the strength of the permanent magnet damping means, and a glass cover for said meter, said drop-off bar being observable through said glass cover in both its attracted and released positions.

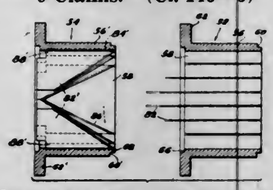
2,247,809
SYNCHRONIZING APPARATUS
Leon Hartman and Gustav Prager, New York, N. Y., assignors to Abbey Photo Corporation, New York, N. Y., a corporation of New York
Application April 1, 1939, Serial No. 265,441
6 Claims. (Cl. 67—29)



1. Apparatus of the character described comprising, a shutter, means urging the shutter toward lens closing position, electric means for moving the shutter to lens opening position, a light source including an envelope having an igniting means therein for energizing said light source, an electric circuit including in series said electric means and said igniting means, means for closing said circuit, and means for producing in said circuit a current sufficient to actuate said

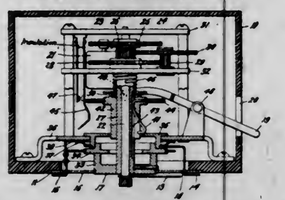
electric means and to energize said igniting means, the resistance of said igniting means thereafter increasing to such an extent as to diminish said current to a point where it becomes insufficient to maintain said electric means in lens opening condition.

2,247,810
APPARATUS FOR CUTTING FRUIT
Robert Fleming Healy, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of Hawaii
Application July 12, 1940, Serial No. 345,053
9 Claims. (Cl. 146—6)



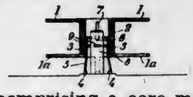
1. In apparatus for cutting pineapple slices and the like, a cutter head comprising a first set of fixed substantially parallel blades at the forward end of said head and adapted to cut the slices forced axially through said head into transverse strips, and a second set of fixed substantially parallel blades at the rear of said first set, and spaced therefrom, said second set of blades disposed transverse to the blades of said first set and adapted to subdivide the strips cut by said first set of blades into cubic pieces, the blades of each said set provided with cutting edges extending longitudinally of said head at an incline to the axis thereof.

2,247,811
TIME SWITCH
Robert Hermann, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application January 21, 1941, Serial No. 375,152
6 Claims. (Cl. 200—39)



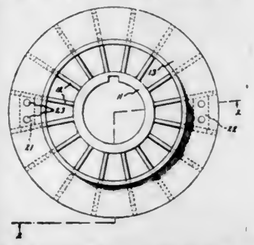
5. A time switch including a clock having a hollow hour hand shaft, a minute hand shaft extending therethrough, a timing motor for driving said shafts at different desired rates, a clock dial having a central opening concentric with said shafts and having a time graduated scale flanking said opening, means driven by said shafts for indicating time on said scale, a switch operating member splined on said hollow shaft so as to rotate therewith but movable axially thereon, a compression spring coiled about said hollow shaft to the rear of said member for urging the member forward along said shaft, a resilient catch part secured to said member, and rotatable therewith, a plurality of stops at different axial positions with which said catch part cooperates to control the progressive forward step by step axial movement of said member, each stop preventing the forward movement of said catch beyond such stop except in one relatively rotary position of the catch and stop, arms extending from each stop member through the dial opening and indicating on the time scale for individually and manually rotating the stops, switching means operated by the axial movement of said member and means for moving said member to the rear against the tension of said spring.

2,247,812
SPOOL FOR CINEMATOGRAPH FILMS
Kurt Hipke, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application July 26, 1939, Serial No. 286,553
In Germany July 30, 1938
5 Claims. (Cl. 242—70)



1. A spool comprising a core member, a bushing mounted in said core and having resiliently mounted bearing members at one end for engagement with a supporting axle, said bushing being axially slidable in said core between two positions, in one of which the bearing members are resiliently separable and in the other of which said members are held in their axle-engaging position.

2,247,813
CENTRIFUGAL IMPELLER
Robert R. Huitson, Rugby, England, assignor to General Electric Company, a corporation of New York
Application August 13, 1940, Serial No. 352,428
In Great Britain August 11, 1939
2 Claims. (Cl. 103—115)

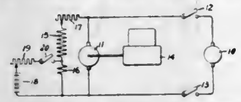


2. Centrifugal impeller comprising a disk with a plurality of circumferentially spaced blades each having an edge secured to the disk, a shroud band engaging the other edges of the blades, dovetailed connecting means formed on the other edges of the blades and the shroud band rigidly to secure the band to the blades, and locking means fastened to the shroud band and engaging adjacent faces of a pair of blades to prevent relative circumferential movement between the blades and the band.

2,247,814
POWER SYSTEM
Richard Lamborn, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 21, 1939, Serial No. 300,640
2 Claims. (Cl. 171—313)

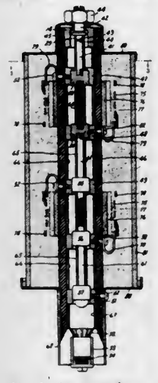
1. In a power system for a self-propelled vehicle, in combination, a vehicle driving motor,

a combustion engine arranged for operation at an idling speed and at a full speed, said idling speed being not higher than fifty per cent of said full speed, a direct current main generator driven by said engine provided with an armature and a field winding, an exciter generator for said field winding driven by said engine provided with an armature, and with a shunt field winding and a series field winding mounted on a plurality of poles, each of said poles comprising two magnet iron sections, one of which is excited by said shunt field winding only and the other of which is saturable and excited by both of said field windings, said series field winding being connected in circuit with said main generator and arranged to oppose said shunt field winding at predetermined low main generator currents and to reverse the field in said saturable section at



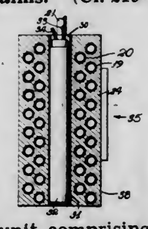
predetermined higher main generator currents, a separate source of excitation for said shunt field winding, a variable resistance connected between said exciter shunt field winding and said exciter armature for varying the self-excitation supplied to said field winding, and a variable resistance between said separate source and said exciter shunt field winding for varying the separate excitation supplied to said shunt field winding, said resistances being adjusted thereby to adjust the excitation of said exciter shunt field winding from said separate source to give a predetermined low main generator voltage when said generators are being driven at said idling speed providing for smooth starting and acceleration of said motor and to provide for a relatively small amount of separate excitation when said generator is driven at said high speed for high speed operation of said motor.

2,247,815
PLURAL BREAK CIRCUIT INTERRUPTER
Karl A. Lohausen, Oberschoneweide, Germany, assignor to General Electric Company, a corporation of New York
Application November 7, 1938, Serial No. 239,395
In Germany November 13, 1937
19 Claims. (Cl. 200—117)



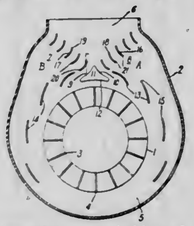
3. In a circuit interrupter, a casing, means therein providing a plurality of serially connected interrupting points for producing serially related breaks in a circuit, the first of said points to be broken comprising a pair of relatively movable terminals joined by a fusible element, other of said points comprising mechanically separable contacts, said casing having a terminal cap with a resilient flexible portion engaging one of said terminals and normally sprung inwardly, means cooperative with said inwardly sprung cap portion normally to tension the junction between said terminals, said inwardly sprung portion being operative to effect rapid relative movement apart of the terminals to rupture the junction therebetween upon fusion of said fusible element, means responsive to arcing between the terminals for producing arc quenching medium, and means operative responsively to rupture of said junction for effecting separation of said contacts and discharge of said medium under pressure between the separating contacts.

2,247,816
HEATING UNIT
Roy E. McIlrath, Chicago, Ill.
Application June 20, 1940, Serial No. 341,430
6 Claims. (Cl. 219—39)



1. A heating unit comprising, in combination, a coil of metallic tubing defining a passage for a stream of fluid medium to be heated, a cast billet of metal of high heat conductivity in which said coil is embedded with the walls of the tubing intimately fused with the surrounding metal of the billet, said billet having a cavity therein generally concentric with said coil, an electric resistor type heating element in said cavity, and means, including a thermostat, responsive to the skin temperature of the billet for controlling the energization of said heating element to maintain a substantially constant temperature in the mass of the billet metal intervening between said heating element and thermostat and in which mass of metal said coil is embedded.

2,247,817
CENTRIFUGAL PUMP
Kenton D. McMahan, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 30, 1938, Serial No. 205,297
15 Claims. (Cl. 103—87)



1. In a reversible centrifugal pump, an impeller, a casing therefor having a central inlet, a peripheral passage to which the impeller discharges upon rotation of the impeller in opposite directions, a discharge conduit connected to the

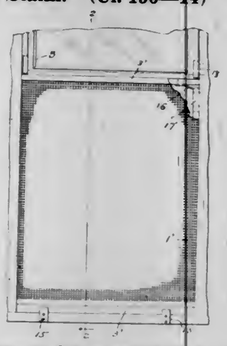
peripheral passage, vanes in said passage respectively in front of and beyond the discharge conduit as regards the direction of roation of the impeller, the vanes in front of the discharge conduit providing passages therebetween facing the direction of rotation of the impeller and the vanes beyond the discharge conduit having passages therebetween facing away from the direction of rotation of the impeller and being subject to injector action from the discharge fluid for preventing recirculation of the discharge fluid.

2,247,818
SHOE LAST
Leo Nast, New Brunswick, N. J., assignor to Universal Plastics Corporation, New Brunswick, N. J., a corporation of New Jersey
Application November 2, 1939, Serial No. 302,481
3 Claims. (Cl. 18—46)



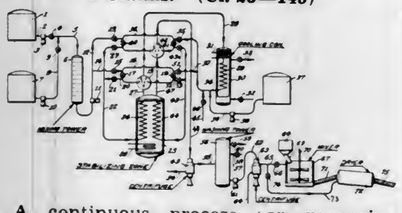
1. A form or last for the manufacture of rubber boots or shoes, comprising a hollow body, composed of tightly fitting complementary parts of molded thermo-setting resinous material of a specific weight considerably below 2.5 solid at 280° F. and non-attackable by chemicals used in said manufacture, each part comprising thin but rigid walls, lugs on the inside of said walls and in alignment on opposite parts, said lugs provided with aligned bores over part of their length and open towards the inside of the hollow body, edges shaped to engage complementary shaped edges of another part to secure a smooth surface of the assembled body, and bolts pressed from the inside into aligned bores of pairs of said lugs when said parts are assembled.

2,247,819
WINDOW SCREEN
Arthur C. Pfeiffer, Chicago, Ill.
Application January 27, 1940, Serial No. 316,007
1 Claim. (Cl. 156—14)



A window screen for a window frame having blind strips at its side walls, said screen comprising a screen part, upper and lower bars connected to the upper and lower ends of the screen part, said blind strips having their lower ends cut away to form recesses between said lower ends and the sill of the frame, said lower ends of the strips beveling inwardly and upwardly, the ends of the lower bar being beveled at their upper edges to engage the bevels of the strips, a plate connected with the outer edge of the sill and extending over the outer face of the lower bar, said strips having intermediate portions cut away to provide recesses, blocks fitting in the last-mentioned recesses and having flat upper ends, screws for holding the blocks to side wall parts of the frame and leaf springs connected to the under edge of the top bar and having their outer ends offset downwardly to engage the upper ends of the blocks to force the top bar upwardly to apply tension to the screen part.

2,247,820
MANUFACTURE OF GEL-TYPE METALLIC OXIDE CATALYSTS
Robert F. Ruthruff, Nutley, N. J., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
Application September 13, 1939, Serial No. 294,574
9 Claims. (Cl. 23—145)



1. A continuous process for preparing a chromium oxide catalyst by reaction of a chromium compound and an alkaline reagent in aqueous solution to precipitate a gelatinous chromium oxide reaction product which comprises forming a flowing stream consisting of an aqueous solution containing a chromium salt and a compound containing the acid radical of a weakly ionized acid, said last-mentioned compound being present in an amount sufficient to stabilize said solution to a degree whereby after said solution has been boiled and after said boiled solution has been alkalized chromium compounds are not readily precipitated therefrom at room temperature but are readily precipitated at the boiling temperature, heating said flowing stream at substantially the boiling temperature to stabilize said solution against ready precipitation of chromium compounds at room temperature by alkalization, cooling said stream of stabilized solution, continuously adding to the stream of cooled stabilized solution an alkaline reagent in amounts sufficient to render the solution alkaline, continuously heating the said stream of alkalized stabilized solution to a temperature approximately at the boiling temperature to effect precipitation of a gelatinous reaction product of said chromium and said alkaline reagent, continuously separating said gelatinous reaction product from said flowing stream, and drying said separated gelatinous reaction product to convert it into a catalytic material.

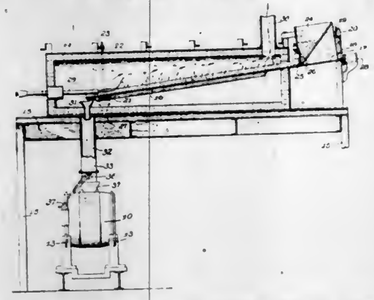
2,247,821
MANUFACTURE OF TRIALKYL BORONS
Robert F. Ruthruff, Chicago, Ill., assignor to Chempats Incorporated, a corporation of Delaware
No Drawing. Application December 4, 1939, Serial No. 307,447
16 Claims. (Cl. 260—607)

4. In the method of preparing trialkyl borons the steps comprising contacting an alkyl halide with a substance selected from the group consisting of metallic aluminum and activated metallic aluminum and interacting the resulting alkyl aluminum halides with a compound selected from the group consisting of boron fluoride and ether—boron fluoride.

2,247,822
ACIDS OF THE CYCLOPENTANO PHENANTHRENE SERIES AND THEIR DERIVATIVES AND METHOD OF MAKING SAME
Erwin Schwenk, Montclair, N. J., and Bradley Whitman, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application June 22, 1936, Serial No. 86,562
26 Claims. (Cl. 260—397.1)

1. The method of producing acids of the cyclopentano polyhydro phenanthrene series and their esters, which comprises reacting a cyclopentanopolyhydro phenanthrene compound having a free keto group with a member of the group consisting of organic carboxylic acids and their esters having a reactive CH group.

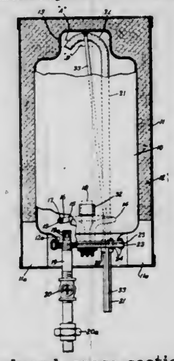
2,247,823
PROCESS OF MAKING METAL FOR CASTINGS
Howard E. Somes, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 9, 1937, Serial No. 158,009
8 Claims. (Cl. 75—65)



1. A process of metal melting which comprises heating a bath of molten metal alloy, adding successively further solid metal to said bath in such a finely divided state and at such a rate as to be continuously and substantially immediately melted by the mass of the molten metal and adding simultaneously with said solid metal the additional ingredients necessary for the desired alloy in proper proportion to said bath so that they combine with the incoming metal and form immediately the desired alloy in avoiding the temporary creation of different compositions of molten metal at different points of the bath.

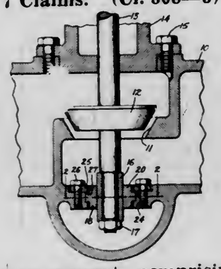
2,247,824
FLUID HEATER
John C. Sharp, Glen Ellyn, Ill., assignor to Edison General Electric Appliance Company, Inc., a corporation of New York
Application February 16, 1940, Serial No. 319,291
5 Claims. (Cl. 219—39)

1. An electric fluid heater of the push-through type comprising a tank having a chamber of reduced cross-sectional area at one end, heating means and valve controlled fluid inlet means mounted in the opposite end of said tank, fluid outlet means having a bent-over inlet portion extending into said chamber of reduced cross-sectional area, the flow of fluid through said outlet means being controlled by the operation of said valve controlled water inlet means, and means open to the atmosphere terminating in said



chamber of reduced cross-sectional area above said bent-over portion of said water outlet means for depressing the level of the fluid in said chamber by a siphoning action through said bent-over inlet portion of said outlet means an amount sufficient to prevent dripping of said fluid through said outlet means during the recuperation period of said fluid heater after a quantity of hot fluid has been drawn off.

2,247,825
VALVE ARRANGEMENT
Donald F. Warner, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application April 8, 1938, Serial No. 200,939
7 Claims. (Cl. 308—3)

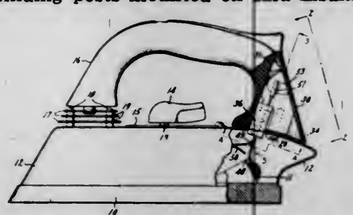


4. Valve arrangement comprising a casing forming a seat and a cylindrically-shaped flanged support, a valve stem having upper and lower portions, and means for guiding said portions comprising a polygonally-shaped sleeve secured to one portion and a plurality of guide blocks each having a plane surface engaging one of the plane surfaces of the sleeves and a cylindrical surface rockingly engaging and supported on the cylindrically-shaped flanged support.

2,247,826
ELECTRIC SADIRON
Walter R. Weeks, Hamden, Conn., assignor to General Electric Company, a corporation of New York
Application March 1, 1940, Serial No. 321,712
5 Claims. (Cl. 219—25)

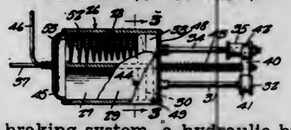
1. In an electrically heated flatiron, a sole plate, a casing mounted on said sole plate,

a molded handle secured to said casing so as to be substantially thermally insulated therefrom, said handle having a recess formed in the rear portion thereof for receiving electrical supply leads, an insulator loosely supported in said recess having a portion extending into said casing, binding posts mounted on said insulator to



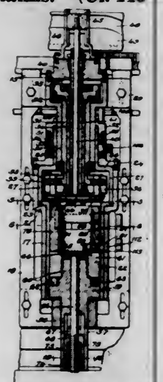
which said electrical supply leads are secured, and grooves in said insulator for receiving the electrical leads for the electrical equipment within said casing, said portion of said insulator extending through said casing serving to insulate said last mentioned leads from said casing.

2,247,827
HYDRAULIC BRAKING MEANS
Adolf E. Wegmann, Woodburn, Ind.
Application March 14, 1938, Serial No. 195,891
6 Claims. (Cl. 60—54.6)



5. In a braking system, a hydraulic brake operating device comprising a pair of cylinders, pistons operable in said cylinders and each having a piston rod fixed thereto, a pair of sleeves fixed to said rods respectively and with one of said sleeves having marginated stops, a yoke solely movable with the other sleeve and slidably connected to said first defined sleeve between said stops whereby to effect actuation of one of said pistons in advance of the other.

2,247,828
CAN SEAMING MACHINE
Samuel Wood, Geneva, N. Y.
Application March 5, 1938, Serial No. 194,212
10 Claims. (Cl. 113—24)



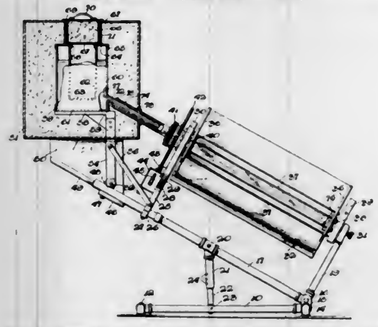
6. In a can seaming machine, a casing having a seaming chamber and a doorway through which a can is insertable into and ejectable from said chamber, an oscillatory sleeve within said casing having a doorway for alinement with and disalinement from said casing doorway by oscillation of said sleeve, means to oscillate said sleeve, a bottom closure for said sleeve with respect to which said sleeve is rotatable, and sealing means between said sleeve and said bottom closure.

2,247,829
METHOD OF PROTECTING CUT SURFACES OF PIECES OF WIRE
Paul Ziegs, Pforzheim, Germany
Application February 1, 1939, Serial No. 254,114
In Germany December 10, 1937
4 Claims. (Cl. 29—160.6)



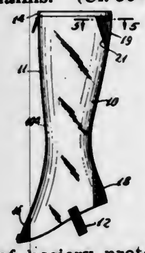
1. Process for the manufacture of dental pins and the like from a uniform wire consisting of a core of base metal and a coating of corrosion-resistant metal cut into pieces of predetermined length having said base metal core exposed at the ends thereof which comprises pressing into cohesive contact with the exposed core and coating of a cut end of said piece a plate of corrosion-resistant metal substantially co-extensive with said cut end to form a capped end portion having a continuous corrosion-resistant metal coating, and thereafter upsetting said capped end portion of the piece while maintaining the continuity of said coating to form an expanded anchor portion having a base metal core and a continuous corrosion-resistant coating.

2,247,830
SOLAR HEATER
Charles G. Abbot, Washington, D. C.
Application July 7, 1938, Serial No. 217,980
5 Claims. (Cl. 126—271)



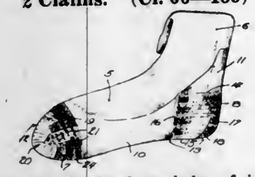
1. In a device for utilizing solar energy of the type wherein a ray absorptive liquid is circulated by convection between heat absorbing means and a reservoir for said liquid in heat-interchanging relationship with heat utilizing means, a heat absorbing element including a pair of tubes one arranged within the other and in communication at one end thereof, the outer of said tubes being closed at said end, the other ends of said tubes being open to provide for the inflow and outflow of said liquid, a third tube surrounding the outer of said tubes and sealed thereto adjacent the opposite ends thereof to provide an evacuated space therebetween, a reservoir for said liquid extending above and in communication with the open ends of both tubes of said pair to maintain said tubes full of said liquid, and means for concentrating solar rays upon said tubes to heat said liquid and circulate said liquid convectionally between said reservoir and said tubes.

2,247,831
WATERPROOF HOSIERY PROTECTOR
Sunny Asch and Donald E. Robinson, New York, N. Y.
Application December 21, 1939, Serial No. 310,348
2 Claims. (Cl. 36—2)



1. A waterproof hosiery protector, comprising a waterproof sheath of flexible cloth material cut on the bias and adapted to encase the leg from the top of one's shoe to about the knee and open along one side, fastening elements for closing said open side, and elastic inserts set into the heel portion and the top back edge of said sheath, said elastic inserts each including a dart shaped insert of waterproof material pleated from the apex to the opposite side and set into cutaway material of the sheath, an elastic band extended transversely across the pleats on one side of said insert and secured to the adjacent folds of the pleats, another elastic band extended transversely across said pleats on the other side of said insert and secured to the adjacent folds of said pleats, and an elastic webbing dart shaped cover element engaged over said insert and secured at its sides to the edges of said insert.

2,247,832
STOCKING
Samuel I. Burd and Martin M. Burd, Philadelphia, Pa.
Application May 20, 1940, Serial No. 336,252
2 Claims. (Cl. 66—185)



1. A stocking knitted mainly of inelastic textile yarn comprising a fashioned area subjected to strain and including fashioning lines, the fashioned area comprising an elastic area extending to and through the fashioning lines, the elastic area comprising courses knitted with inelastic textile yarn and courses knitted with elastic yarn in alternative relationship.

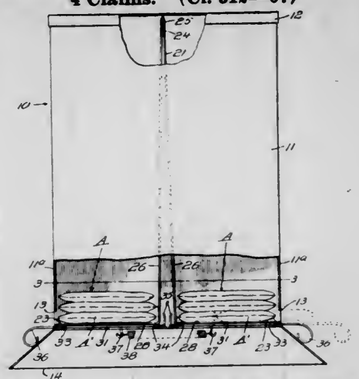
2,247,833
BILL GUARD FOR FOWLS
Louis M. Butterfield, Kittery, Maine
Application January 16, 1941, Serial No. 374,764
7 Claims. (Cl. 119—97)

1. A device of the character described comprising a guard constructed and arranged to engage around the under side of the lower mandible of a fowl, said guard being provided with inturned edges for engaging the upper side of the side edges of the lower mandible and disposed between the mandibles for preventing the man-



dibles from being fully closed, and a tongue struck-up from the intermediate portion of the guard and disposed in a recess in the under side of the lower mandible for retaining the guard in position thereon.

2,247,834
CRACKER DISPENSER
Charles A. Davis, Jr., and Paul A. Jones, Hobbs, N. Mex.
Application February 26, 1940, Serial No. 320,936
4 Claims. (Cl. 312—67)

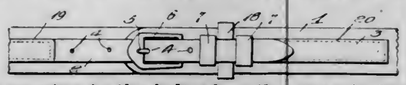


1. A wafer dispenser comprising a casing, opening at the top, a bent longitudinally slotted sheet grid within said casing, forming a partition dividing the interior of said casing into wafer storage compartments in a manner such that portions of said slotted grid form the backs and bottom wafer-supporting platforms of said compartments; said casing having wafer ejection ports near the platforms; means for ejecting wafers positioned on the supporting platforms comprising grids horizontally slidingly mounted beneath and having slots registerable with slots in the wafer supporting platforms; upright integrally formed lugs on rearmost edges of said grids slidable in certain slots formed in the platforms during motion of the grids for engaging with lowermost wafers and moving same through the ejection ports; means for holding said grids normally in retracted position comprising hooks one on each of said grids, and spring tensioning means carried on said hooks; and outwardly extending handles formed integral with said grids for facilitating movement thereof.

2,247,835
BELT
Irby F. Gassert and James C. Hoffman, Yoakum, Tex., assignors to Texas Tanning & Manufacturing Company, Yoakum, Tex., a corporation of Texas
Application August 23, 1940, Serial No. 353,959
8 Claims. (Cl. 241—8)

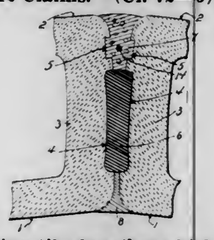
1. A belt of a length adapting its end portions to overlap when worn, auxiliary straps carried

by said belt and extending longitudinally of end portions thereof with their inner end portions secured against the outer face of the belt, a rear loop fitting about one end portion of the belt, snap fastener members spaced from each other longitudinally of the said end portion of the belt with one of the fastener members serving to secure the loop in place about the belt, the said end portion of the belt being formed with an opening spaced from the free end thereof and located between certain of the fastener members, the strap carried by the said end portion of the belt being of a width adapting its free end portion to pass through the opening and formed with an opening for registering with



the opening in the belt when the strap is drawn inwardly through the opening, snap fastener members carried by the strap for detachably engaging the snap members of the belt and firmly but detachably securing the strap, the opening of the strap being located between certain of the fastener members thereof, top loops for engaging the other strap fitting loosely about the first strap and held in position at opposite sides of the rear loop when the fastener members are interengaged, and a buckle fitting about the first strap with its bill passing through the opening thereof when the fastener member adjacent the outer end of the strap is interengaged with the companion fastener member of the belt.

2,247,836
SILO AND METHOD OF BUILDING SAME
Martin Goldbeck, Kansas City, Mo.
Application October 14, 1940, Serial No. 361,172
12 Claims. (Cl. 72—6)



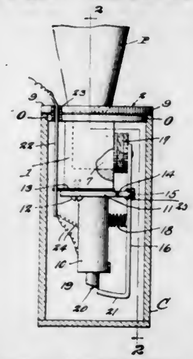
12. A building tile for silos which comprises a hollow vitreous body, the top and bottom ends of which are flat, the lateral side walls of the tile being outwardly curved in cross-section and provided with separate longtiudinaly extending expansion-joint grooves and pressure transmitting filler-key receiving grooves, said expansion-joint grooves having their inner walls outwardly curved in cross-section.

2,247,837
METHOD OF MAKING STUD LINKS
Samuel Hunter Gordon, Inverness, Scotland
Application March 14, 1940, Serial No. 324,001
In Great Britain March 30, 1939
4 Claims. (Cl. 59—31)



1. The method of making links of chain cables of the kind herein described which consists in the steps of forming two U-shaped half-links abutting in surface contact relation along the minor axis of the link, neither of said half-links providing any part of the stud, uniting the two half-links together by automatic electric resistance welding, forming opposed seating surfaces on the inner sides of the half-link with corresponding elements in one surface parallel to corresponding elements in the other, transversely inserting a stud between the said seating surfaces and welding the same in place after the two half-links are united.

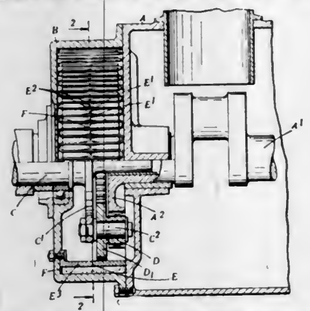
2,247,838
AIR VALVE UNIT FOR PIPE ORGANS
Casper E. Grant, Portsmouth, Va.
Application April 1, 1940, Serial No. 327,310
1 Claim. (Cl. 84—337)



An air valve unit for the wind chest of a pipe organ, said unit including a pipe-supporting member for insertion into a wall of a wind chest and having a port, a base carried by said member, a fork extending from the base, a fulcrum pin carried by the fork, a lever carried by the pin and positioned within the fork, said lever having a short arm and a long arm, there being an aperture in the lever intersected by the pin, a valve on the short arm positioned to close the port, an armature on the long arm, an electromagnet having a core extended normally close to one end of the armature but outside of the path of movement thereof, a soft lubricant saturated maerial seated in the aperture in the lever and straddling and in wiping contact with the pin, said material being exposed through the lever, and a spring between and exerting a thrust against the magnet and the long arm of the lever thereby to normally maintain the armature in retracted position and the valve normally closed.

2,247,839
MEANS FOR DAMPING TORSIONAL VIBRATIONS IN TRANSMISSION APPARATUS
Frank Bernard Halford and William Ker Wilson, Edgware, England
Application May 15, 1939, Serial No. 273,792
In Great Britain May 17, 1938
2 Claims. (Cl. 74—305)

1. Transmission apparatus including in combination a driving shaft, a driven shaft, differential gearing one element of which is connected to the driving shaft and one element to the driven shaft, and a resilient anchorage for the third or reaction element comprising a ring-like element rigid with the reaction element and having a series of circumferentially spaced axially extending slots therein, a fixed ring-like element having a corresponding series of circumferentially spaced axially extending slots, the walls in both ring-like elements tapering from wider portions at their adjacent ends to narrower portions at their re-



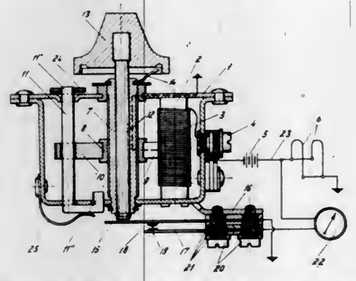
mote ends, and a continuous sinuous spring member having substantially straight parts extending through and between the slots in the two ring-like elements and joined by curved portions extending between the parts in adjacent slots.

2,247,840
ENVELOPE OPENER
Richard W. Harrison, Charlestown, Mass.
Application February 29, 1940, Serial No. 321,583
3 Claims. (Cl. 30—294)



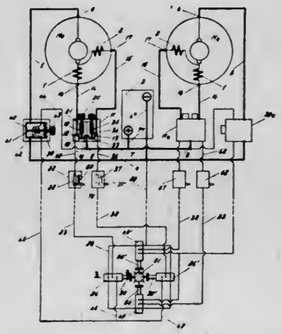
1. An envelope opener comprising a holder provided with a slot, said holder having a second slot, converging inwardly thereof, disposed perpendicularly to the first mentioned slot, and communicating with said first mentioned slot at its converging end; a triangular shaped cutting blade constructed and arranged to fit in said second mentioned slot, the two depending edges of said blade being sharpened to form cutting edges and converging to form a point, and said point extending into said first mentioned slot and substantially therethrough.

2,247,841
VOLTAGE CONTROL DEVICE
Leone Kamenarović, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy, a corporation of Italy
Application June 14, 1938, Serial No. 213,715
In Italy June 18, 1937
2 Claims. (Cl. 201—48)



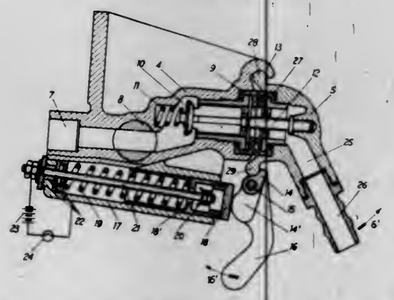
1. A rheostat comprising a resistor member, a brush movable with respect to and in contact with said resistor member, means comprising a hollow screw threaded rotatable spindle and a nut engaged with said screw threaded spindle to be reciprocated therealong to actuate said brush, a manipulating knob cooperating with said brush actuating spindle for the drive thereof, a locking member movable to take a retracted and a projecting position to release and engage an associated part, and means biasing said locking member in projecting position, said locking member having a portion which extends in the path of said nut at one end of the stroke thereof for being moved by said nut into retracted position when said nut reaches the said stroke end.

2,247,842
DEVICE FOR ELECTRIC CONTROL OF MOVABLE STANDS
Leone Kamenarović, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy, a corporation of Italy
Application November 4, 1938, Serial No. 238,923
In Italy November 17, 1937
6 Claims. (Cl. 172—239)



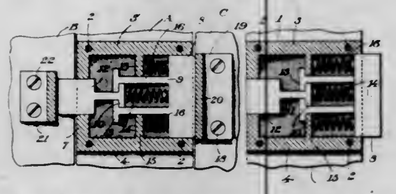
1. A device for actuating a member movable on a stand which in turn is movable on a support, said support being movable on a base member, comprising a reversible motor driving said stand on said support in a direction and in opposed hands along said direction, said motor having two field circuits for the motor operation in said opposed hands, a second reversible motor driving said support on said base member in a second direction at an angle to said first direction and in opposed hands along said second direction, said second motor having two field circuits for the operation thereof in said opposed hands, a supply of electric current for feeding said motors, control means for connecting each of said circuits with said supply, operating means for each of said control means, said operating means belonging to each of said motors being spaced from and aligned with each other in a pair and arranged to move in a direction corresponding to the said direction of the actuation imparted by the respective motor, said movable member extending intermediate said operating means and being arranged to move on said stand in both said directions and in both said hands along each of said directions with respect to said operating means and being adapted to shift either of said operating means of said pairs by effect of a displacement imparted to said member in the respective direction and hand on said stand.

2,247,843
CONDUIT COUPLING
Leone Kamenarović, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy, a corporation of Italy
Application April 5, 1940, Serial No. 328,105
In Italy January 18, 1937
3 Claims. (Cl. 246—168)



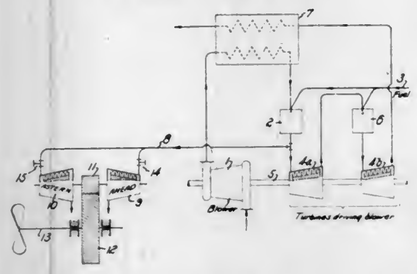
1. An electrically operative separation signalling apparatus in couplings for vehicle conduits comprising a metal part providing a stationary coupling member, a separable coupling member abutting on said stationary coupling member, interengaging hinge means on said stationary and separable coupling members, a releasable engaging member mounted on said stationary coupling member and operative on said separable coupling member to clamp it on said stationary coupling member, said part providing a chamber opening in register with said engaging member, a hollow conducting plunger reciprocable in said chamber and abutting on said engaging member, a spring in said chamber forcing said plunger against said engaging member, a conducting stem extending in said chamber and hollow plunger and electrically insulated therefrom, an electric signalling device and an electric current source connected in a series circuit across said stem and chamber and plunger, and contact means on said stem and plunger cooperative to control said circuit.

2,247,844
REAR DOOR LOCK FOR VEHICLES
John A. Lamb, Detroit, Mich.
Application May 16, 1940, Serial No. 335,636
1 Claim. (Cl. 292—182)



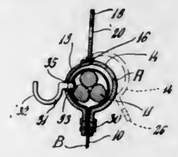
A rear door lock for a vehicle including a front door provided with striking means, a rear door provided with a keeper and a center post between said doors, said lock comprising a casing secured to the center post, a pair of aligned lugs secured within the casing, latching means mounted in the casing and including a bolt for disposal in the keeper for locking the rear door in closed position, a T-shaped stem formed on the bolt, cam means slidably mounted in and through the casing and including a block having a beveled face for disposal in the path of the striking means, a pair of parallel T-shaped stems formed on the block and having the head of the stem of the bolt slidable between the same for interconnecting the stems of the block and bolt for normally holding the bolt out of latched position, a spring between the block and the head of the bolt stem for urging the bolt to latched position, and springs between the lugs and the block for urging the latter in the path of the striking means to be moved thereby upon closing the front door to allow the bolt to move to latched position.

2,247,845
COMBUSTION TURBINE PLANT
Adolf Meyer, Kusnacht, near Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application June 6, 1939, Serial No. 277,738
In Germany April 20, 1938
3 Claims. (Cl. 60—41)



1. In a combustion turbine plant, a combustion chamber, blower means for delivering air to said chamber, means for supplying fuel to said chamber, turbine means comprising a pair of turbines for driving said blower means, inlet means connecting the first of said turbines to said chamber for operation of that turbine on pressure gases developed in said chamber, means for heating the exhaust gases from said first turbine and delivering the same to the second turbine for actuating the same, and a power turbine operating in parallel with said turbine means on pressure gases developed in said chamber, said power turbine exhausting against a back pressure substantially lower than that of said turbine means.

2,247,846
HANGING MEANS FOR AWNINGS AND THE LIKE
Ben Perlman, New York, N. Y.
Application March 28, 1939, Serial No. 264,517
3 Claims. (Cl. 156—15)



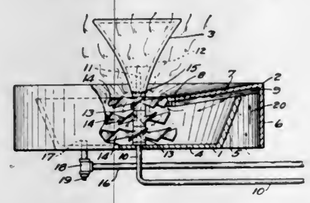
1. In an awning assembly, a pair of channel members, hangers on one of said pair of channel members projecting through the other of said pair of channel members whereby to hinge the same together, depending flanges extending along each of said channel members, means for attaching operating pulleys to said hanger-bearing channel member, and means for securing said depending flanges together.

2,247,847
RECORDING AND REPRODUCING DEVICE FOR MAGNETIC SOUND WRITING
Fritz Pfleumer, Dresden, Germany
Application July 23, 1938, Serial No. 221,040
In Germany July 23, 1937
13 Claims. (Cl. 179—100.2)



1. In a magnetic sound recording and reproducing device, a conductor of small diameter forming part of a sound current circuit, a movable length of ferrous record material, said record material being the only magnetizable material in the magnetic field surrounding said conductor, and means for supporting said conductor and a continuously changing portion of the moving record material in close proximity, with the conductor extending across the line of travel of the material.

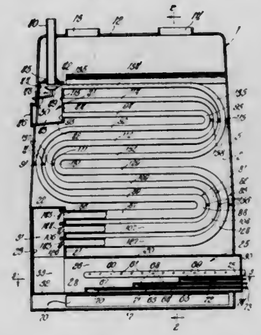
2,247,848
BURNER
Fred M. Poor, Seattle, Wash.
Application April 18, 1939, Serial No. 268,497
6 Claims. (Cl. 158—91)



1. An oil burning device comprising a vertically positioned central member having a plurality of slanting horizontally positioned radially extending fins thereon, a preheating fuel reservoir above said fins adapted to drip oil upon said fins, a surrounding chamber having a cover which slopes downward toward the center with an opening at the center, arranged to direct the flow of air therethrough toward the said fins, and a base upon which the said fins are mounted.

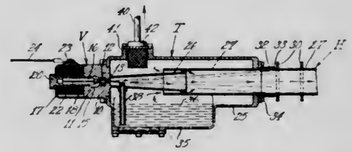
2,247,849
HEATER
Emil W. Ritter, Chicago, Ill.
Application April 1, 1938, Serial No. 199,368
8 Claims. (Cl. 126—116)

1. A heater comprising a casing, a combustion chamber at the lower end thereof and extending longitudinally from one end to the other, a plurality of banks of flues disposed above said combustion chamber, with the flues of the lower bank communicating with the combustion chamber, said flues being disposed generally horizontally and the banks of flues being alternately offset in staggered relation from one side to the other of the casing but with the flues disposed in spaced apart relation to provide for fluid movement thereover, means at the ends of the flues for connecting each flue of each bank with the corresponding flue of the bank disposed immediately above so as to form a plurality of separate and independent passages for the hot gases from the combustion chamber, an outlet chamber to which the outlet ends of the flues of the last bank communicate, a fluid inlet at the lower



end of the casing, and a fluid outlet at the upper end of the casing to accommodate a flow of fluid to be heated by the gases passing through said flues, said heated fluid passing upwardly between the staggered flues in a plurality of paths.

2,247,850
REFRIGERATION METHOD AND APPARATUS
Alden G. Rayburn, Sausalito, Calif., assignor of one-half to William H. Brooks, San Francisco, Calif.
Application June 21, 1938, Serial No. 215,010
12 Claims. (Cl. 62—92)

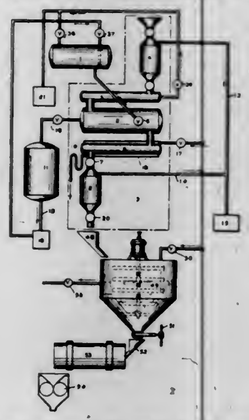


1. In a method of the character described, the steps of releasing a liquefied gas in the form of a blast, supplying another liquid of lower freezing point to the blast and utilizing the kinetic energy of said blast to form therefrom a jet of atomized liquid, and directing said blast and said jet together in a defined path through a medium to be cooled.

2,247,851
PROCESS FOR PREPARING FOOD FROM OLEAGINOUS, PROTEIN-BASE, ORGANIC MATERIAL
Henry Rosenthal, Yonkers, N. Y.
Application April 21, 1938, Serial No. 203,328
3 Claims. (Cl. 99—2)

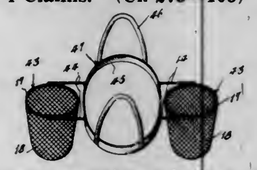
1. A process for preparing a food from oleaginous, partially dehydrated, comminuted animal scraps which comprises; removing therefrom substantially all of their oil content by means of a hydrocarbon solvent gaseous at ordinary temperature and pressure; then removing substantially all of the solvent retained with the extracted scraps; then treating the solvent-free, extracted, scraps with water to dissolve a substantial portion of said scraps; then drying the

water-treated material, retaining at least a portion of the water protein solution whereby there



is produced a product in which the water soluble material acts as a binder in the resultant product.

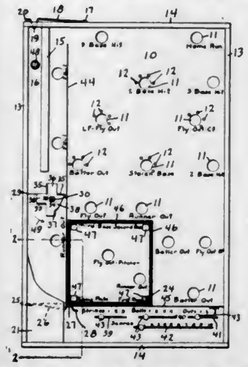
2,247,852
GAME
Fred L. Saunders, Marysville, Wash.
Application February 16, 1939, Serial No. 256,811
4 Claims. (Cl. 273—105)



4. In a game apparatus, a harness including a waist encircling belt having shoulder straps projecting upwardly therefrom; pairs of arms extending outwardly from opposed portions of the belt, between the shoulder straps; and pockets, each including a bag of flexible open mesh fabric provided with a rigid ring connected to the open mouth of the bag for holding the bag in an open position, said rings being disposed between and secured to the free ends of the pairs of arms for mounting the pockets on opposite sides of the harness.

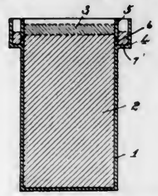
2,247,853
BASEBALL GAME
Edwin L. Slater, Sioux City, Iowa
Application June 15, 1939, Serial No. 279,335
2 Claims. (Cl. 273—89)

1. A board baseball game comprising a playing field having a plurality of pockets for indicating certain baseball conditions, means positioned on said field to propel a marble within said pockets including a spring member for impelling said marble, a further spring member positioned opposite to said spring member to simulate the approximate position of a batter for striking a marble impelled by said spring member, a curved member positioned adjacent to said further spring member for causing passage of a marble thereagainst, a rotating member pivotally attached to the board adapted to impart spin to the marble, said rotating member including a plurality of vertical fins against which said marble strikes, an upwardly projecting stud attached to said base upon which said rotating member is pivoted, a part of said fins extending toward said stud to prevent a marble



passing therebetween and one of said fins being of restricted width to allow passage of a marble between said fin and said stud.

2,247,854
TANK FOR GALVANIZING METAL ARTICLES BY THE LEAD-ZINC PROCESS
Bernhard Ulbricht, Riesa-Groba-on-the-Elbe, Germany, assignor to Mitteldeutsche Stahlwerke Aktiengesellschaft, Riesa-on-the-Elbe, Germany
Application May 4, 1938, Serial No. 206,082
In Germany November 19, 1935
4 Claims. (Cl. 91—12.5)

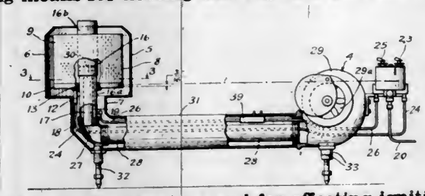


4. Galvanizing apparatus comprising a tank adapted to contain a stratum of zinc floating on a stratum of lead, said tank having an enlarged upper portion, a seat extending around the inside of the tank at the lower end of the enlarged upper portion, a protective inner frame in the enlarged upper portion of the tank supported on said seat, and being spaced inwardly from the surrounding upper wall portions of the tank to form a channel, said frame member being adapted to retain the zinc stratum and to extend beneath the level of the lead stratum, and aperture means communicating with said channel and with the interior of the tank beneath the level of the lead stratum whereby lead can enter the channel.

2,247,855
OIL BURNER
Lynn Otis Selby, Rocky Hill, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application August 2, 1937, Serial No. 156,989
20 Claims. (Cl. 158—28)

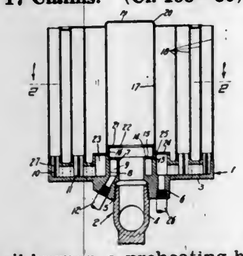
1. In combination, a burner having vaporizing means and oil supply means therefor, means for delivering air under pressure entraining the vapor as it emerges from said vaporizing means, a combustion chamber for the combustible mixture

above said vaporizing and delivering means and receiving air and vapor therefrom, mechanism for conditioning the burner for starting including means for heating said vaporizing means to a



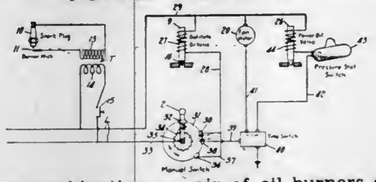
vaporizing temperature and for effecting ignition of the combustible mixture, and means controlling the supplies of air and oil for starting and stopping said burner.

2,247,856
OIL BURNER
Lynn Otis Selby, Cromwell, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application March 4, 1939, Serial No. 259,878
17 Claims. (Cl. 158—86)



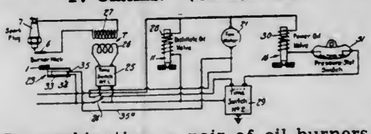
1. In an oil burner, a preheating burner of the distillate type having a base, said base being maintained sufficiently hot by said preheating burner so that only vapor enters therein during normal operation, coaxial pressure air supply and flame passage means carried thereby and disposed axially thereof and said flame passage means extending above said base and surrounded by said preheating burner, and means forming a shallow vaporizing chamber surrounded throughout its depth by said base and maintained at vaporizing temperature by said preheated burner and surrounding the top of said air passage means and delivering into said axial flame passage means.

2,247,857
OIL BURNER
Lynn Otis Selby, Cromwell, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application March 4, 1939, Serial No. 259,880
9 Claims. (Cl. 158—28)



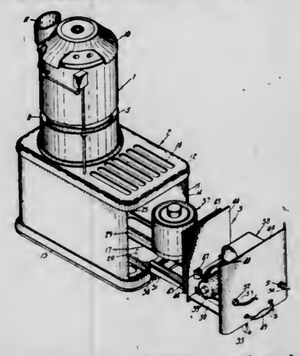
1. In combination, a pair of oil burners each having a gravity oil supply and one burner preheating and maintaining the other at operating temperature, electromagnetically operated valves controlling said oil supplies, mechanism for starting said preheating and maintaining burner having means for opening the valve of said burner to effect a gravity flow from its oil supply, and mechanism for starting said other burner having time controlled means for automatically opening the valve of said other burner to effect a gravity flow from its oil supply only when said preheating burner has operated for a sufficient time to bring said other burner to operating temperature and while maintaining said preheating and maintaining burner in operation throughout the operation of said other burner.

2,247,858
OIL BURNER
Lynn Otis Selby, Cromwell, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application March 4, 1939, Serial No. 259,881
17 Claims. (Cl. 158—28)



1. In combination, a pair of oil burners having oil supplies and one burner preheating the other, valves controlling said oil supplies, a manually operable control member, ignition mechanism for said preheating burner controlled by operation of said member, and mechanism likewise controlled by said member for automatically opening the valve of said preheating burner and subsequently disabling said ignition mechanism and opening the valve of the preheated burner after a preheating operation while maintaining the valve of said preheating burner open to maintain said preheated burner constantly preheated ready for immediate starting.

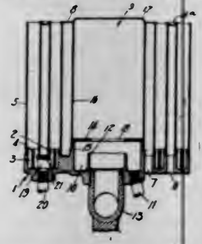
2,247,859
OIL BURNER INSTALLATION
William A. Purtell, West Hartford, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application March 9, 1939, Serial No. 260,772
8 Claims. (Cl. 122—494)



8. In combination, a heater casing having a combustion chamber in one end thereof, a boiler over said combustion chamber having passage means opening into said casing around said combustion chamber, oil burner mechanism in said casing having a burner in said combustion chamber and supplying mechanism for said burner in the opposite end of said casing, and means for

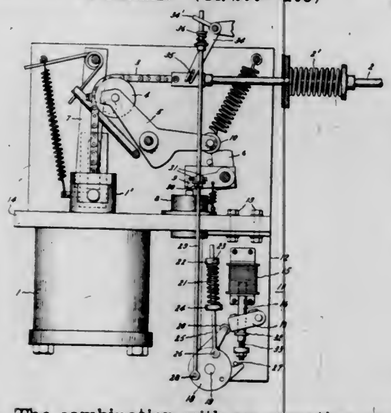
maintaining air circulation around said chamber and between said burner and supplying mechanism and up through said passage means in said boiler.

2,247,860
OIL BURNER
Lynn O. Selby, Cromwell, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application November 29, 1939, Serial No. 306,671
7 Claims. (Cl. 158—86)



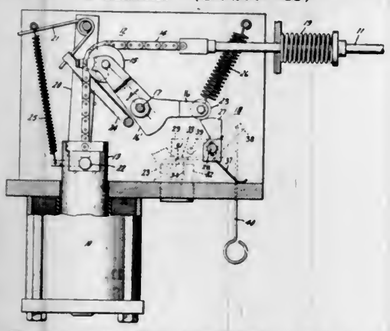
7. In a combined distillate and power burner, a burner base having coaxial communicating inner and outer distillate burner grooves, a vaporizing chamber for supplying vaporized fuel to said grooves and located outside the lateral limits of said inner groove and air supply passage means extended upwardly through said base, axially disposed communicating power burner flame and pressure air passage forming means and having the former extending above the base and within said distillate burner, a power burner vaporizing chamber maintained at a fuel vaporizing temperature by said distillate burner and surrounding said air passage means and communicating with said flame passage means and having a wide bottom, and a baffle ring overlying the chamber top in said flame passage means above both said chamber and air passage means and having an axial opening at least as large as said air supply passage means.

2,247,861
OPERATING MECHANISM
Carl Thumim and Ralph J. Baskerville, Yeadon, Pa., assignors to General Electric Company, a corporation of New York
Application October 1, 1938, Serial No. 232,835
3 Claims. (Cl. 200—109)



1. The combination with an operating mechanism including latching means for holding said mechanism in closed position, of tripping means for actuating said latching means to cause opening of said mechanism comprising a trip coil sensitive to comparatively small tripping impulses, a latch related to said trip coil, a crank having a portion adapted to be engaged by said latch, a spring connected to said crank arranged so that rotation of said crank is effective to stress said spring, means selectively connecting said crank to said latching means including an adjustable connection whereby a releasing blow is delivered to said latching means under influence of the spring energy in response to actuation of said trip coil, and means including said adjustable connection operatively connecting said crank to said mechanism for causing re-stressing of said spring in accordance with the mechanism opening movement.

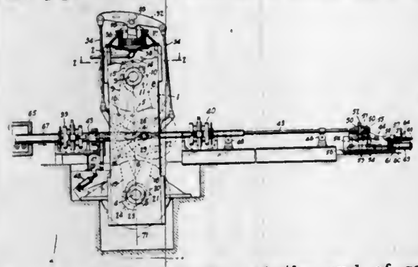
2,247,862
OPERATING MECHANISM
Carl Thumim, Yeadon, Pa., assignor to General Electric Company, a corporation of New York
Application April 3, 1940, Serial No. 327,624
6 Claims. (Cl. 200—89)



1. In an operating mechanism for a circuit breaker of the trip-free type, actuating means and means to be actuated, a collapsible force-transmitting structure interconnecting the aforesaid means, means for latching said force-transmitting structure in the uncollapsed position when the circuit breaker is closed, means responsive to an abnormal electrical condition for tripping said latching means, said latching means comprising a collapsible member including a relatively heavy portion which resets immediately upon tripping of said circuit breaker so that said circuit breaker is in condition for immediate high-speed reclosing and a relatively light portion which resets at high speed upon closing of said circuit breaker.

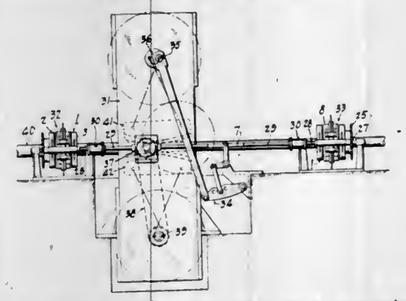
2,247,863
PIPE SWAGING MACHINE
Julius B. Tiedemann, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application May 27, 1939, Serial No. 276,046
10 Claims. (Cl. 80—14)

1. In a machine for swaging pipe, a plurality of swaging dies disposed to rock longitudinally on the pipe and having complementary recesses therein for receiving and forming the pipe, said recesses combining to provide a substantially conical working section for reducing the diameter of the pipe as the dies are caused to operate on successive sections of the pipe and a substantially straight cylindrical section for straightening and sizing the pipe to final dimensions as it leaves the machine, means to reciprocate the dies together to reduce the diameter of the pipe in short successive increments, the



dies closing onto the pipe at the end of said cylindrical section first and thereafter on said conical section, and means for feeding the pipe intermittently to the machine between successive strokes of the dies.

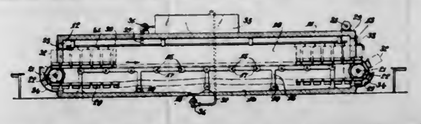
2,247,864
STOCK FEEDING MECHANISM FOR SWAGING MACHINES
Julius B. Tiedemann, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application July 26, 1939, Serial No. 286,627
2 Claims. (Cl. 80—14)



1. A device of the class described comprising constantly rotating mechanism having an axially extending opening therethrough to receive stock to be fed, means for giving said mechanism a limited axial reciprocation, means on said rotating mechanism for intermittently gripping the stock to effect its rotation and forward feed, and means for making said gripping means inoperative to provide for rapid insertion and removal of the stock from the device.

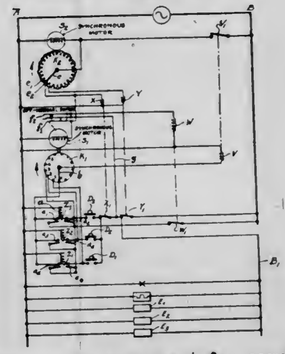
2,247,865
METHOD AND APPARATUS FOR FREEZING
Mikail T. Zarotschenzeff, New York, N. Y., Earl Stafford, North Reading, Mass., and Charles H. Welling, New Canaan, Conn., assignors to Z Pack Corporation, Jersey City, N. J., a corporation of Delaware
Application December 9, 1936, Serial No. 114,900
13 Claims. (Cl. 62—104)

1. Apparatus for freezing food products comprising a chamber forming means, means in the chamber to support food products, means in the chamber to position the last named supporting means, a container for food products having closely spaced side walls mounted on said support with said side walls perpendicular to said support and means on one side of the positioning means and on opposite sides of the supporting



means to direct a refrigerant against the side walls of the container and toward the supporting means.

2,247,866
IMPULSE TRANSMITTER
Julius Zuger, Oberageri, Lichtenberg, and Werner Koenig, Luzern, Switzerland, assignors to Landis & Gyr, A.-G., a corporation of Switzerland
Application December 21, 1937, Serial No. 180,952
In Switzerland December 24, 1936
1 Claim. (Cl. 177—380)



A transmitting arrangement for causing successive momentary interruptions in an alternating current power transmission line and for controlling the time interval between such interruptions, comprising a first synchronous motor energized from said line, a wiper arm driven thereby and a plurality of spaced contacts successively engageable by the wiper arm, a second synchronous motor energized from said line, a wiper arm driven thereby and a plurality of spaced contacts successively engageable by the second wiper arm, means whereby alternate contacts of the first plurality of contacts control the momentary interruption of the transmission line and the remainder control the energization of the second synchronous motor, a plurality of manually operated switches, each individual to a contact of the second plurality of contacts, means whereby the second mentioned wiper normally engages one of the second plurality of contacts, means controlled by the operation of any one of the manual switches for energizing the first motor provided the second wiper engages the normal contact, whereby said first motor moves the first wiper over its contacts to thereby first interrupt momentarily the transmission line and thereafter to close a start circuit for the second motor and the second motor then interrupts the circuit of the first motor at its normal position contact, means whereby a circuit for the second motor independent of the starting circuit is closed as long as the wiper arm is off its normal position, means controlled by each manual switch for rendering a corresponding contact of the second plurality of contacts effective to close a second circuit for the first motor and thereby cause another momentary interruption in the transmission cir-

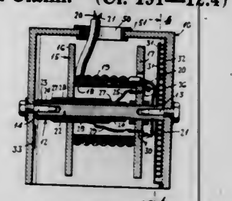
cuit, the time interval between these interruptions depending upon the particular contact rendered effective by one of the manual switches.

2,247,867
SAXOPHONE CORD
Carl A. Baumann, Oak Park, Ill.
Application February 10, 1938, Serial No. 189,753
2 Claims. (Cl. 224—5)



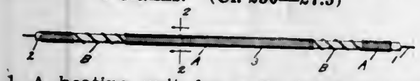
1. An adjusting member and a saxophone cord of two strands between which the load is divided, said member having a cross-bar around which the two strands of the cord are both wrapped so as to extend upwardly from the back side of the cross-bar for connection with a support and downwardly from the back side of the cross-bar, then slidably around a load-carrying element and finally upward therefrom to an anchorage on the adjusting member, and guard means comprising bars fixedly and permanently secured to the back of the adjusting member in spaced relation thereto and extending transversely thereof, at positions respectively above and below that of the cross-bar, for loosely confining the strands in the vicinity of the cross-bar.

2,247,868
ELECTRICAL CORD EXTENSION DEVICE
Olson B. Beasley, Newark, N. J.
Application August 18, 1939, Serial No. 290,810
1 Claim. (Cl. 191—12.4)



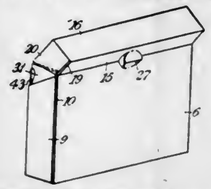
In an electrical iron extension cord device, a stationary casing, bearing members removably mounted on the opposite side of said casing and projecting inwardly thereof, a spring-urged spindle rotatably mounted on said bearing members said bearings projecting into said spindle, a reel fixedly mounted on said spindle intermediate the ends thereof said reel having a tubular body portion the ends being closed by end flanges, two annular concentric electrical contact strips one positioned within the other the inner strip projecting beyond the outer strip at both ends, the strips being mounted on said spindle and extending longitudinally thereof and concentric thereto, said strips being insulated from one another and from said spindle, one end of said strips extending beyond one end flange of said spool and the other end terminating within the tubular body thereof, two electrical terminals mounted on and extending through one of said end flanges, connecting means connecting the inner end of one terminal to one annular contact strip and the inner end of the other terminal with the other contact strip, a flexible cord comprising two electric-current conducting wires wound on said reel one end of each of said wires being connected, respectively, to the outer end of each of said terminals, the opposite end of said wires extending through said casing and being adapted for connection to an electrical iron, two fixed contacts mounted in said casing one engaging the inner contact strip on said spindle and the other the outer contact strip, each engaging said strips at the outer side of the adjacent end flange of said spool, and connecting means for connecting each fixed contact to opposite poles of an electrical source.

2,247,869
HEATER ELEMENT FOR CATHODES USED IN RADIO TUBES AND METHOD OF MAKING THE SAME
John R. Beers, Bloomfield, N. J.
Application February 28, 1940, Serial No. 321,308
6 Claims. (Cl. 250—27.5)



1. A heating unit for radio tubes consisting of a flexible core wire, a flexible coating of ceramic material on said wire and a heating coil having its turns closely wound on said coating.

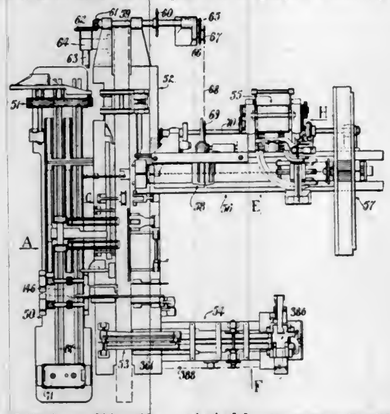
2,247,870
BOX MADE OF CARDBOARD OR SIMILAR MATERIAL
John Walker Chalmers, Deptford, London, England, assignor to Molins Machine Company Limited, Deptford, London, England
Application July 29, 1939, Serial No. 287,395
In Great Britain August 11, 1938
13 Claims. (Cl. 229—44)



1. A box made of cardboard or similar material, comprising a body portion which includes a back panel and adjoining side panels to provide rigid corners for the body portion, a box-like lid which includes a back lid panel and adjoining side lid panels to provide rigid corners for the lid, said body portion and lid each being formed from the same blank, and a hinge formed by a crease in said blank and connecting said back panels, the said back panels being cut across the hinge in such a manner and at such a position between said corners as to permit those parts of the back panels which are disposed on opposite sides of the portion cut, to move towards each other under lateral compression applied to the box during the opening thereof.

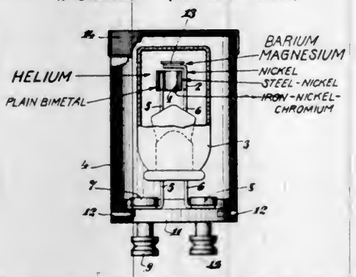
2,247,871
PACKING OF CIGARETTES OR OTHER ARTICLES
John Walker Chalmers, Deptford, London, England, assignor to Molins Machine Company, Limited, Deptford, London, England
Application July 31, 1939, Serial No. 287,658
In Great Britain September 29, 1937
20 Claims. (Cl. 93—3)

1. In a box making machine, an intermittently movable conveyor to feed a box blank which includes front, back, top and side lid panels, the front and back lid panels being connected by one of said other lid panels, front, back, bottom and side body panels, the front and back body panels being connected by one of said other body panels while the back lid and back body panels are hingedly connected, and reinforcing lid and body panels, means to fold the reinforcing panels into engagement with other panels of the blank, means to position adhesive between the reinforcing panels and the other panels engaged thereby, op-



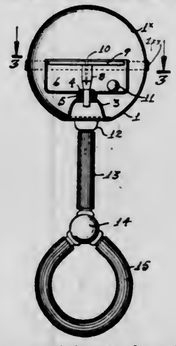
posed intermittently rotatable presser members driven in timed relationship with the conveyor to synchronize the stationary periods of the presser members and the conveyor and so positioned relatively to the conveyor during a stationary period as to apply pressure to a reinforcing panel and the box panel engaged thereby, means to fold the lid panels to form a box-like lid, means to fold the body panels to form the body of a box, and means to secure engaging, overlapping body panels and engaging overlapping lid panels.

2,247,872
STARTER SWITCH
Charles Chirelstein, Newark, N. J.
Application January 16, 1941, Serial No. 374,613
2 Claims. (Cl. 250—27.5)



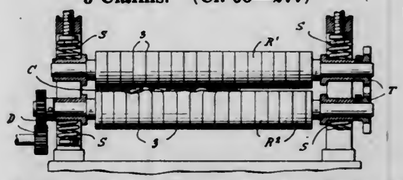
1. A starter switch for gaseous discharge devices, comprising a sealed envelope, an atmosphere of substantially pure helium sealed in said envelope, a plain uncoated bimetallic switch element sealed in said envelope, a second relatively stationary switch element sealed in said envelope for engagement by said bimetallic switch element, a tab carried by said second switch element in opposition to said bimetallic switch element and barium-magnesium on the face of said tab opposed to said bimetallic switch element.

2,247,873
TOY RATTLE
Irwin E. Cohn, Sterling, Mass.
Application March 28, 1941, Serial No. 385,639
3 Claims. (Cl. 46—193)



1. A rattle comprising a handle and a hollow ball-like member carried by the handle and formed with two connected sections, a nipple carried by one ball member section, an eyelet carried by the nipple, a metallic cup having an axial aperture through which the eyelet passes for connection of the cup to the nipple, a striker within the cup, and means for confining the striker within the cup.

2,247,874
CLOTHES WRINGER DEVICE
Orr E. Crites, Short Hills, N. J.
Application December 16, 1938, Serial No. 246,008
3 Claims. (Cl. 68—277)

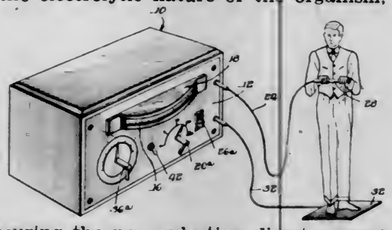


3. A roller for a clothes wringer device, said roller comprising a cylindrical body consisting of a flexible rubber composition, the cylindrical surface of said body being provided with a plurality of spaced apart slit openings, each said opening extending annularly about the said surface and inwardly a distance at least sufficient to provide a localized area of yield on said surface, the said slits being of such a small width and the spaces therebetween being of such relatively larger width as to normally effect a substantially smooth outer surface.

2,247,875
DIAGNOSTIC METHOD
Francis C. Ellis, Chicago, Ill.
Application August 18, 1936, Serial No. 96,589
5 Claims. (Cl. 128—2.1)

1. The method of determining an electrolytic characteristic of a living animal organism which comprises providing a pair of dissimilar electrodes composed of materials differently situated in the electromotive series and which are characterized by the creation of a potential difference therebetween when contacted at spaced points with an electrolytic conductor, applying said electrodes at substantially constant pressure to the surface of a living animal organism and at spaced

points thereon to create a non-pulsating direct current potential difference therebetween due to the electrolytic nature of the organism, and



measuring the non-pulsating direct current potential or current generated between said dissimilar electrodes.

2,247,876

ALLOY STEEL FOR THE MANUFACTURE OF WHEELS AND TIRES

Harry L. Frevert, Philadelphia, Pa., assignor to The Midvale Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 16, 1940, Serial No. 319,237
4 Claims. (Cl. 295—30)

1. Wheel treads and other ring-shaped articles of substantial thickness which are subject to types of failure that unfit them for service or unduly shorten their service life, composed of an alloy steel containing manganese between .70 and 1.25%, silicon between .05 and .40 per cent, chromium between .30 and 1.00% and molybdenum between .05 and .70%, the percentage of manganese being substantially in excess of the total percentage of any two of the other above specified alloying elements, and carbon over .50 and not over .80%, the balance of the composition being substantially iron, said articles, whether or not heat-treated, being characterized by superior wear hardness and strength without sacrifice of ductility and toughness and possessing superior resistance to said types of failure.

2,247,877

MANUFACTURE OF SODIUM PHENATE

William Herbert Garrett and Sydney Smith, Llangollen, Wales, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 12, 1938, Serial No. 195,636. In Great Britain March 18, 1937
12 Claims. (Cl. 260—621)

1. A process for purifying sodium phenate comprising forming at a temperature materially above 47° C. a concentrated aqueous solution containing not less than 35% by weight of crude sodium phenate, cooling the solution to not lower than about 47° C. to precipitate unwanted inorganic salts, removing the precipitate thus obtained, and cooling the solution further to crystallise out sodium phenate hydrate.

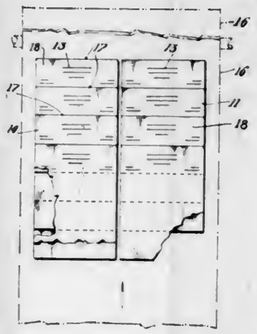
2,247,878

METHOD OF PRODUCING ENGRAVED PRINTED SHEETS

Robert Gatto, New York, N. Y.

Application September 28, 1940, Serial No. 358,905
1 Claim. (Cl. 101—426)

In a method of producing embossed printed sheets, the steps of operatively applying embossed impressions simultaneously on corresponding portions of a plurality of sheets, and, while the embossed impressions are still moist, arranging said sheets in a plurality of parallel longitudinally disposed rows, with the embossed matter on all sheets being disposed in the same direction, the embossed matter on laterally adjacent sheets being in substantial transverse alignment, the sheets of each row successively overlapping each other and leaving exposed only the moist embossed matter, and moving the sheets while in said last described position along a predetermined path in preparation for the drying of the said embossed matter.

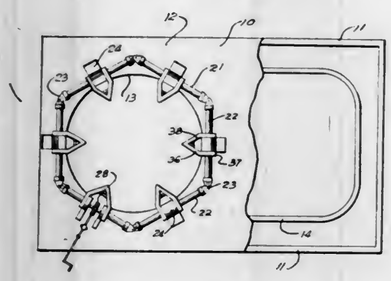


2,247,879

SACKING DEVICE

Ernest G. Geisendorff, Bellville, Tex.

Application March 17, 1939, Serial No. 262,408
5 Claims. (Cl. 226—61)



5. In a sacking device, an elongate frame having a deck provided with an opening at one end, a rotatable sack holder mounted in the frame arranged to hold a plurality of sacks, a plurality of connected dogs mounted on the frame deck and spaced around said opening, said dogs having means for engaging and holding a mouth of a sack, and means for simultaneously moving the dogs.

2,247,880

IODINE ORGANIC COMPOUNDS FOR USE AS X-RAY CONTRAST COMPOSITIONS

André Gaston Jules Guerbet, Paris, France

No Drawing. Application January 21, 1938, Serial No. 186,114. In France January 29, 1937
4 Claims. (Cl. 167—95)

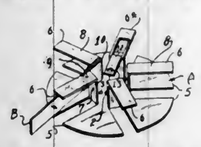
1. An X-ray contrast composition containing a water soluble and non-toxic salt of an acid from the group consisting of tetraiodometaphthalic and tetraiodoparaphthalic acids.

2,247,881

RIBBON WINDING SPOOL

Charles W. Hatfield, Glendale, Mo.

Application October 2, 1939, Serial No. 297,516
1 Claim. (Cl. 242—70)



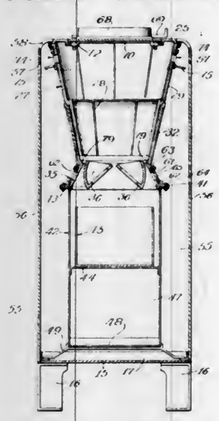
A unitary winding spool comprising a flat centrally apertured disk having a plurality of uniformly spaced relatively wide radial slots, a flat upstanding hub segment formed integrally with the disk and projecting upwardly at right angles thereto from the inner transverse margin of each slot and integrally provided at its outer extremity with a radial outwardly extending spoke of substantially the same width and length as the slot for registration therewith, said spokes being substantially parallel with the disk and one of said spokes being stamped out in the provision of a reversely bent strip lying substantially in the same plane as the spoke and provided with an aperture positioned for registration with the disk aperture in the provision of an auxiliary spindle-receiving bearing.

2,247,882

STOVE

Frank T. Herron, Chattanooga, Tenn., assignor to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware

Application June 16, 1939, Serial No. 279,526
8 Claims. (Cl. 126—67)



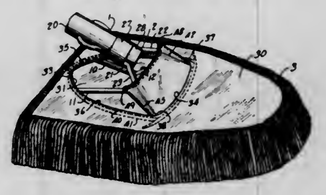
5. A heating stove comprising a casing including a horizontal top plate, and a single-wall heating unit secured to and suspended from said plate and located within the casing positioned wholly below the horizontal top plate and comprising a fire box located at the lower face of the horizontal plate, a grate frame secured to and depending from said fire box, an ash compartment secured to and depending from said grate frame, said heating unit being spaced from the casing and providing between it and the casing an uninterrupted space from the top to the bottom of the heating unit, and spaced saddles receiving the lower end of the heating unit and preventing lateral movement of the same.

2,247,883

MOP

James H. Johnson, Kansas City, Mo.

Application October 6, 1939, Serial No. 298,246
4 Claims. (Cl. 15—229)



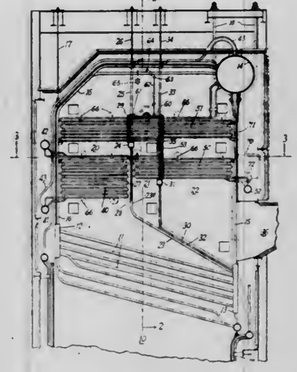
1. A mop hood including a pocket member provided with an opening having a transverse front edge, a shield comprising a fabric strip folded upon itself to provide double plies, and means securing the edges of said plies lying opposite the fold to said transverse front edge, said plies having the ends thereof terminating at corresponding sides of said opening and turned under and secured together by lines of stitching to provide reinforcements for the ends of the shield whereby said ends form supports to retain the shield in an angular position across the opening.

2,247,884

STEAM BOILER

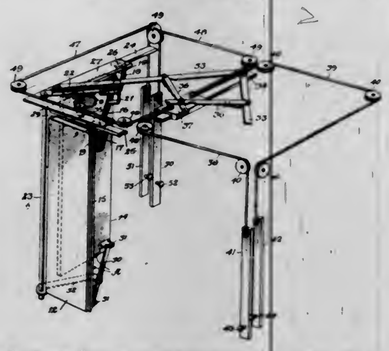
Howard J. Kerr, Westfield, and Charles H. Woolley, Cranford, N. J., assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application August 13, 1937, Serial No. 158,886
10 Claims. (Cl. 122—480)



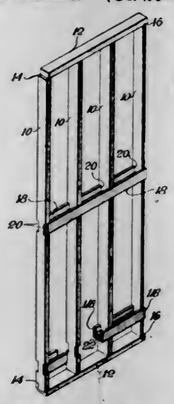
1. A steam boiler comprising a bank of inclined steam generating tubes, a transverse steam and water drum arranged above said tube bank, uptake and downtake circulator tubes connecting the opposite ends of said tube bank to said drum, baffle means arranged to divide the space defined by said tube bank, circulator tubes and drum into a plurality of gas passes including a pair of adjoining upflow passes and a laterally adjoining downflow pass serially connected to said upflow passes at their upper ends, steam heating surface arranged in and confined to one of said upflow passes, economizer surface arranged in the other of said upflow passes, and damper means for said other upflow pass arranged for varying the distribution of the heating gases between said upflow passes.

2,247,885
DOOR
John H. Lomax, Asbury Park, N. J.
Application January 26, 1940, Serial No. 315,727
4 Claims. (Cl. 20—19)



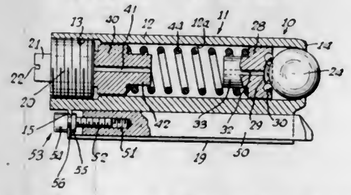
1. A door for an entranceway or the like of a building comprising a plurality of separate panels positioned side by side in abutting relationship when in closed position, a rigid hanger pivotally connected adjacent the opposite edges of a pair of adjoining panels, an arm pivotally mounted adjacent one side of the entranceway and pivotally connected to the central portion of the hanger, guide means having engagement with the two ends of the hanger, guide means for the adjoining edges of the said pair of door panels and means for shifting the said hanger whereby the pair of panels may be shifted from closed position extending across the entranceway to open position at one side of the entranceway substantially at right angles thereto.

2,247,886
BUILDING STRUCTURE
Robert W. McLaughlin, Jr., Bedford, N. Y., assignor to American Houses, Inc., New York, N. Y., a corporation of Delaware
Application October 26, 1938, Serial No. 236,993
10 Claims. (Cl. 20—4)



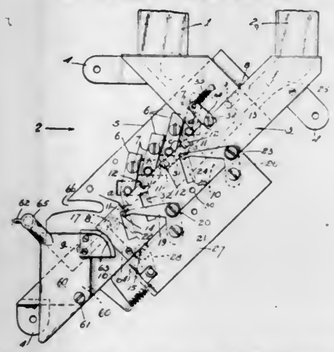
1. A prefabricated building unit, which transmits stress from one part of a building frame to another and which in combination with other similar units is self supporting, said unit comprising a series of supporting stud-like elements, a plurality of other supporting elements forming a generally planar, skeleton, frame structure with said stud-like elements, each of said other elements reaching past only a part of the first of said series and forming its own notch and extending beyond the last of said series whereby said unit may be fitted between other similar units, fittingly receiving the extending elements from one adjacent unit where its own elements fail to reach and fitting its own extending elements against the other adjacent unit where the other elements of the latter fail to reach, each of said notches having a plurality of surfaces perpendicular to the general plane of the structure.

2,247,887
FINISHING AND BURNISHING TOOL
Arthur Nascimbeni, West Springfield, Mass.
Application February 26, 1940, Serial No. 320,899
10 Claims. (Cl. 29—90)



1. In combination, a finishing and burnishing tool of the character described, comprising a housing having a tubular portion, and parallel guide walls extending therefrom and disposed longitudinally thereof, and co-extensive therewith, a ball within said tubular portion and projecting therefrom, spring means within said tubular portion to urge said ball in one direction, a cutting tool slidably mounted between said guide walls, and means to adjust said cutting tool longitudinally thereof, the cutting end of the cutting tool projecting from the same end of the housing as the ball.

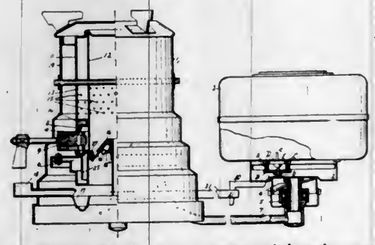
2,247,888
VENDING MACHINE
Daniel Neidig, Chicago, Ill., assignor to James H. Martin, Chicago, Ill.
Application December 26, 1939, Serial No. 310,923
15 Claims. (Cl. 194—92)



1. In a vending machine a downwardly directed coin chute, an actuator mounted for reciprocation, a movable locking dog on the actuator normally engageable with an abutment fixed with relation to the chute, and having a coin detector arm disposed for encounter with the edge of a coin in the chute whereby the dog is held clear of the abutment to permit operation

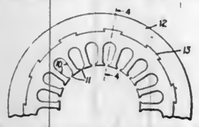
of the actuator, together with a movable stop extending into the chute in position to hold the coin in operative relation to the detecor arm, and means by which the stop is withdrawn upon reciprocation of the actuator to permit the coin to pass out of the chute.

2,247,889
LIQUID FUEL BURNER
Cesare Paolillo, Milan, Italy
Application March 30, 1938, Serial No. 198,902
In Italy April 2, 1937
7 Claims. (Cl. 158—86)



1. A liquid fuel burner comprising in combination two coaxial cylindrical hollow sheet metal bodies placed one within the other, a gasification chamber formed between said sheet metal bodies wherein the liquid fuel completely volatilizes under normal pressure, an annular distribution chamber in communication with said gasification chamber between said sheet metal bodies, a combustion chamber in communication with said distribution chamber, between said sheet metal bodies, the distribution and combustion chambers having apertures to cause uniform diffusion of the gas in the combustion chamber and the surfaces of the sheet metal bodies having perforations to permit the entry into said combustion chamber of combustion air, primary valve means for controlling the supply of gas from the gasification chamber to the combustion chamber, means for heating up the gasification chamber previous to igniting the burner, and secondary valve means to control the entry of air into the combustion chamber through the perforations therein.

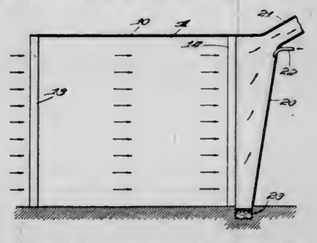
2,247,890
CORE FOR ELECTRICAL APPARATUS
Robert T. Reardon, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 26, 1940, Serial No. 315,799
13 Claims. (Cl. 171—252)



1. A core for electrical apparatus including a laminated portion and a powdered iron portion, said portions being contiguous with each other.

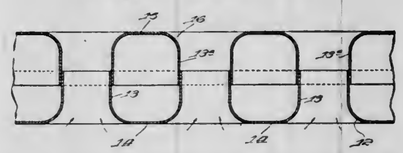
2,247,891
VENTILATING APPARATUS
Claude B. Schneible, Chicago, Ill.
Application July 13, 1939, Serial No. 284,321
9 Claims. (Cl. 98—115)

1. In ventilating apparatus of the class set forth, a casing having an open end and a pipe opposite said open end, said pipe being adapted to be connected to a source of suction, a pair of perforated parallel walls, one of which extends across the open end of said casing and the other



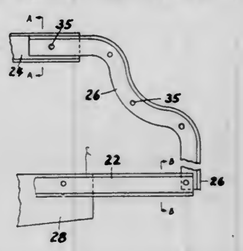
across the end of the opposite side of said casing and adjacent said suction pipe, said walls providing between them a working chamber adapted to be ventilated by the passage of air through said perforated walls, and removable shielding means about the openings of said perforated walls.

2,247,892
AIRFLOW VENTILATING APPARATUS
Claude B. Schneible, Chicago, Ill.
Application June 15, 1939, Serial No. 279,356
3 Claims. (Cl. 98—115)



1. In suction apparatus of the class set forth, a housing having a pipe communicating with a source of vacuum, said housing having an open side, and an inlet plate extending across said open side and being provided with tubular inlets, said inlets being spaced more closely along the marginal edges of said plate than in the central portion thereof.

2,247,893
PORTABLE DINER
Arthur E. Sieber, Haledon, N. J.
Application March 16, 1940, Serial No. 324,295
3 Claims. (Cl. 189—2)



1. A portable diner constructed in two sections adapted to be united along a longitudinal division line into a single structure, a frame for each section comprising vertical supporting members along the two ends and one side, and an open frame free of vertical supporting members along the division line side, said open frame including a roof channel positioned so that the back of

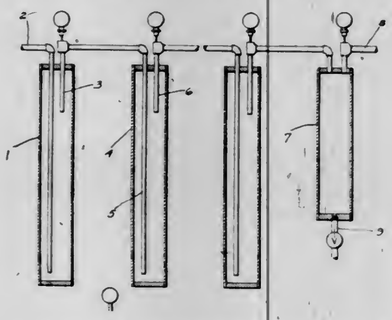
the web of said roof channel is in the plane of the division line of the diner sections, a floor channel in combination with a truss plate, said floor channel positioned so that the back of the web of said floor channel is a distance equal to the thickness of said truss plate away from the division line of the diner sections, and a bent continuous angle post at each end of the diner fastened to the web of said roof channel and to the back of the web of said floor channel.

2,247,894

MANUFACTURE OF MERCAPTOTHIAZOLES

Claude H. Smith, Tallmadge, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application August 8, 1939, Serial No. 288,967
5 Claims. (Cl. 260—306)



1. In a process for preparing 2-mercaptoarylthiazoles by a reaction in which the reaction mass and product are maintained in liquid condition while producing substantial quantities of by-product gas, the improvement which comprises continuously introducing reactants into the reaction system, passing the reactants in concurrent flow through each of a series of reactors and in concurrent flow through the reactors in series, withdrawing the liquid and gaseous reactants and reaction products from each reactor through a conduit, causing said reactants and reaction products to mix in said conduit, introducing this mixture below the surface of the liquid in the succeeding reactor and continuously drawing off the final product from the last reactor in the series.

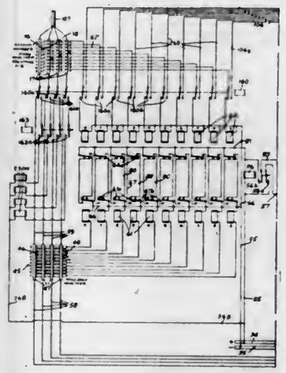
2,247,895

PERFORATING MACHINE

Torkel E. Torkelson, Baldwin, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application November 11, 1937, Serial No. 173,975. Divided and this application February 15, 1939, Serial No. 256,527
10 Claims. (Cl. 164—115)

1. In punching machine controlled by single transaction cards comprising separate analyzing means for analyzing account number data on a previous transaction card and a record sheet and comparing means controlled thereby, means for setting up in the machine a representation of an amount pertaining to a subsequent transaction, perforating means controlled by said setting means for perforating said amount on a subsequent transaction card, operation initiating means for said perforating means, and means controlled by said comparing means for effecting upon agreement of the account number data compared the operation of said operation initiating



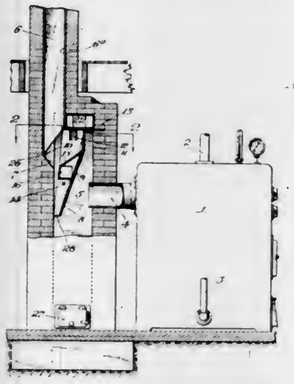
means to cause the operation of the perforating means.

2,247,896

HEATING SYSTEM

Quillar I. Wagner, Villa Park, Ill.

Application June 5, 1940, Serial No. 338,983
11 Claims. (Cl. 237—50)



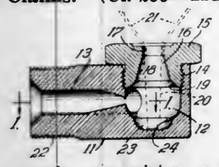
7. In combination, a furnace, a chimney flue comprising a lower section and an upper section offset therefrom, a smoke pipe from the furnace opening into the lower flue section, and a baffle member in said lower section comprising an inclined portion sloping upwardly in the middle portion of the flue section with wing portions adjoining said wall and flaring toward the face of the flue back of the baffle, said inclined portion forming in the flue an upwardly narrowing passage leading from the smoke pipe, the baffle having ports at its upper end affording communication with the upper flue section, the narrowed portion of the lower section terminating adjacent said ports thus forcing the flue gases to travel horizontally from one section to the other, together with a chamber built into said baffle between the wing portions on the opposite side of the baffle from that which confronts the smoke pipe opening, and an inlet passage and an outlet passage for conducting air through said chamber to absorb heat from the flue gases through said baffle.

2,247,897

SPRAY NOZZLE

Fred W. Wahlin, Chicago, Ill., assignor to Spraying Systems Co., Chicago, Ill., a corporation of Illinois

Application March 22, 1940, Serial No. 325,381
2 Claims. (Cl. 299—114)



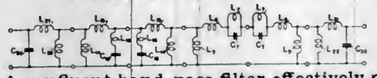
1. A spray nozzle comprising a body having therein a circular chamber with a discharge outlet at one side and a relatively wide shallow circular cavity at the other side both axially aligned with said chamber, said chamber having an inlet passageway leading thereto tangentially to inject liquid into the chamber and impart rotation thereto and discharge same from the outlet in a hollow annular stream, said cavity having at its juncture with the chamber a surrounding shoulder constructed and arranged to annularly equalize outflow of liquid through the discharge outlet.

2,247,898

BAND-PASS FILTER, INCLUDING TRAP CIRCUIT

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application September 29, 1939, Serial No. 297,081
19 Claims. (Cl. 178—44)



1. A confluent band-pass filter effectively comprising, a series of filter half-sections with image-impedance matching at their junctions, each of two adjacent ones of said half-sections having both series- and shunt-reactance arms of which each of two of said arms adjacent their junction includes a portion individually of the same reactance-frequency characteristic and of a given kind of reactance at frequencies within the pass band, a trap circuit included in each of said two adjacent half-sections and removed from said junction by at least one of said adjacent reactance arms and comprising the only other reactance of the half-section, one of said trap circuits comprising a shunt arm of series-connected capacitance and inductance resonant at a frequency on one side of the pass band, and the other of said trap circuits comprising a series arm having parallel-connected capacitance and inductance resonant at a frequency on the other side of the pass band, whereby the matched image impedance at said junction is caused to have opposite extreme values at the upper and lower cut-off frequencies of the pass band and unlike trap circuits are provided in the said two adjacent half-sections.

2,247,899

CONDENSATION PRODUCT OF PHTHALONIMIDES AND PHENOLS

Christian Wiegand, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 6, 1940, Serial No. 322,533. In Germany March 31, 1939
14 Claims. (Cl. 260—289)

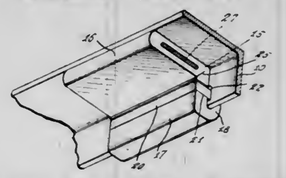
1. A condensation product of one mol of 1.3.4-triketo-1.2.3.4-tetrahydro-isoquinoline with two mols of a phenol, having probably the formula of a 1.3-diketo-4-bis-hydroxyphenyl-1.2.3.4-tetrahydro-isoquinoline.

2,247,900

BEDSPRING

William E. Wunderlich, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana

Application July 8, 1939, Serial No. 283,451
4 Claims. (Cl. 5—207)



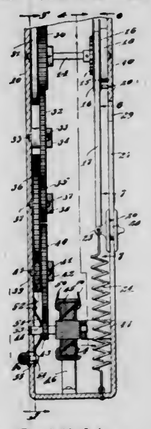
1. In a bed spring having a bottom frame formed of angle iron with a horizontal flange projecting outwardly and a vertical flange projecting downwardly, cushioning means on said bottom frame, said cushioning means comprising a member of resilient material having two legs normally disposed to each other at an angle materially greater than 90° and also having a portion of resilient material interconnecting said two legs, and means acting between one leg of said member and the vertical flange of said angle iron for distorting said interconnecting portion and holding the two legs of said member respectively against the outer surface of said vertical angle-iron flange and the lower surface of said horizontal angle-iron flange, that leg of said cushioning member which is associated with the vertical angle-iron flange being provided with a lip embracing the lower edge of the vertical flange.

2,247,901

BATTERYLESS FLASHLIGHT

George W. Alexander, Boston, Mass.

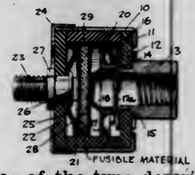
Application April 24, 1940, Serial No. 331,433
1 Claim. (Cl. 240—10.5)



In a batteryless flashlight, a casing, a drive shaft journalled in said casing, a ratchet wheel pinned to said shaft, a reel journalled on said shaft, a spiral spring located between said reel and one side of said casing, one end of said spring anchored to said casing and the other end anchored to said reel, a pawl pivoted on said reel

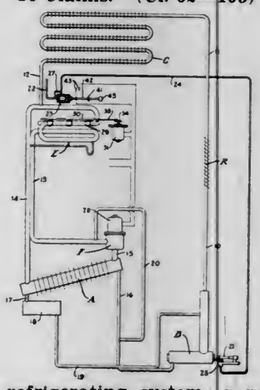
and engaged with said ratchet wheel said pawl being provided for the purpose of locking said reel to said drive shaft when said reel is rotated in one direction, a gear pinned to said shaft, an electric generator mounted in said casing, said generator having a rotatable shaft journalled in said casing, a pinion fixed to said generator shaft, intermediate pinions and gears connecting said generator shaft pinion with said drive shaft gear, a tension spring attached at one end to said casing, a tape attached at one end to said reel the other end being attached to said tension spring, a slot located in the side of said casing, a slide member located in said slot, said slide member attached on the inside of said casing to said tape and the extensible end of said tension spring, a friction brake spring engaging one side of said generator shaft pinion, means for regulating the tension of said brake spring on said generator shaft pinion.

2,247,902
THERMAL-RESPONSIVE DEVICE
Gustave F. Bahr, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 19, 1940, Serial No. 324,763
17 Claims. (Cl. 200—142)



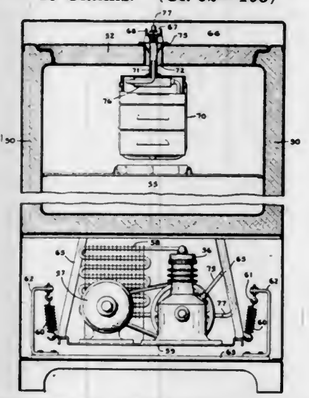
1. In a device of the type described, a pair of spaced contacts; a movable contact; resilient means tending to dispose said movable contact intermediate said spaced contacts and out of engagement therewith; and a fusible member in contact with one of said spaced contacts and interposed between the same and the movable contact, said fusible member comprising a quantity of fusible nonconducting material held within a housing of conducting material and holding said movable contact in engagement with the other of said spaced contacts.

2,247,903
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio
Application February 3, 1938, Serial No. 188,433
16 Claims. (Cl. 62—105)



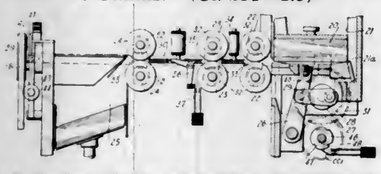
1. In a refrigerating system, a refrigerating unit, a resiliently mounted platform supporting said unit, said platform being vibrated as a result of the vibration set up by the operation of said unit, an evaporator, a shelf movably supported in said evaporator, and means connecting said platform and shelf to transmit said platform vibrations to said shelf to agitate the latter.

2,247,904
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio
Application February 3, 1938, Serial No. 188,434
19 Claims. (Cl. 62—105)



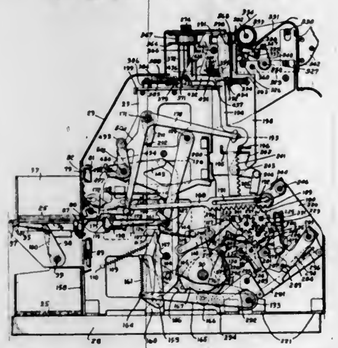
1. A mechanical refrigerator, comprising an evaporator adapted to accommodate a refrigerator tray, a refrigerator unit resiliently mounted in said refrigerator, said unit vibrating as a result of the operation of the same, and means connecting said refrigerator unit to said evaporator to transmit said vibrations of said unit to said evaporator to vibrate the latter and thus agitate the contents in said tray and cause bubbles of air separating from liquid contents therein to rise to the surface of the contents and escape.

2,247,905
APPARATUS FOR PREPARING STATISTICAL RECORDS
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 25, 1939, Serial No. 286,441
5 Claims. (Cl. 234—1.5)



1. A device of the character described for recording statistical data in different columns upon a sheet comprising a plurality of recording magnets, one for each column of data to be recorded, a plurality of alternating current sources of different frequencies, the frequencies of which being different for the different data to be recorded, means for selecting different alternating current sources for representing the different data and different recording magnets for effecting the recording of the selected data, means for maintaining the said selection and impressing the said alternating current sources selected upon the selected recording magnets, and means for presenting a magnetizable sheet to said recording magnets to receive magnetic recordings, in different columns thereon, in accordance with the selected frequencies of the alternating current sources impressed upon the recording magnets.

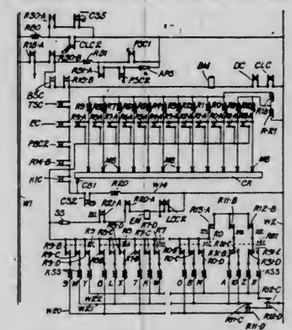
2,247,906
ACCOUNTING MACHINE
Fred M. Carroll, Binghamton, and Carl O. Anderson, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 6, 1937, Serial No. 173,106
3 Claims. (Cl. 235—61.9)



1. In an accounting machine for entering items and printing totals, having a total taking control element, the combination of date printing type bars, means for adjusting said type bars differentially, a platen against which the type bars may be impressed to print on a record sheet, means for striking the type bars against the platen including a sliding striking plate with date print effecting shoulders each normally out of cooperation with a related type bar but adapted to be moved to abut against a date type bar to cause it to print, a stop lever for normally holding the plate in a normal position, means for moving said stop lever away from the normal position before printing takes place, a spring urging said plate away from the normal position to follow the lever and place said shoulders in position to abut against the date type bars to print on every item entering operation, and means under control of the total taking control element for stopping said plate in normal position to eliminate date printing during total taking cycles.

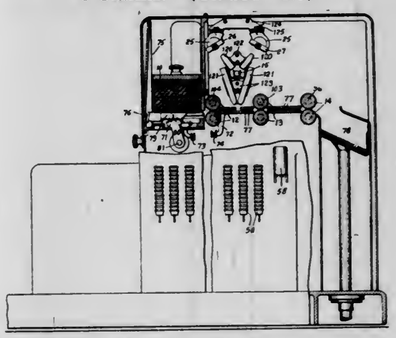
2,247,907
RECORD-CARD CONTROLLED PRINTING MECHANISM
Alfred Augustus Dark, Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 7, 1938, Serial No. 212,248
In Great Britain June 16, 1937
13 Claims. (Cl. 197—20)

1. A record card controlled printing mechanism comprising a hole-reading device arranged to read a single column on a card containing any of a plurality of hole configurations at least one of which configurations represents either of two alternative characters, printing mechanism arranged to print any of the characters represented by the possible hole configurations in a column of the card, one character at a time, which printing mechanism is arranged normally to print a predetermined one of said alternative characters, card-feeding mechanism for feeding the card step by step so that each column is read



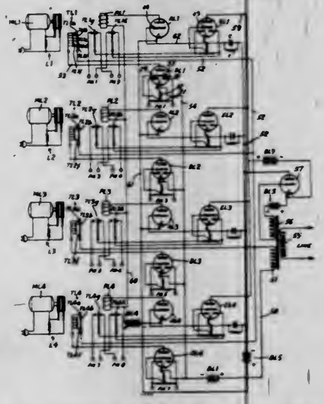
in turn, a member which moves with the card and which is adjustable relatively to the card in the direction of its movement and means operated by the member when it reaches a predetermined position to adjust the printing mechanism to print the other character.

2,247,908
APPARATUS FOR RECORDING STATISTICAL DATA
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 25, 1939, Serial No. 286,445
6 Claims. (Cl. 234—1.5)



2. A device of the character described for recording statistical data in different columns upon control sheets at a recording station comprising means for feeding the individual sheets past the recording station, a plurality of recording means at the recording station, one for each column of data to be recorded, a plurality of sources of oscillations of different frequencies, one for each column of data to be recorded, means for coupling the sources of said oscillations to the related recording means to influence the latter for effecting recording of the data in different columns on the said sheets in different frequencies, and means for rendering the coupled sources of oscillations effective at differential times during the passage of the sheets past the recording station for influencing the said recording means thereby effecting recording of the different frequencies at differential positions in the columns on the sheets.

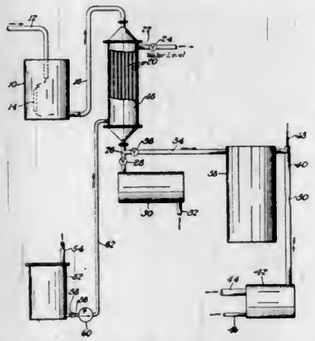
2,247,909
COMMUNICATION SYSTEM
Charles R. Doty, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 5, 1939, Serial No. 307,568
3 Claims. (Cl. 178—50)



1. In a communication system comprising a plurality of printing telegraph machines at each end of a common line, in combination, means at one end of said line comprising a plurality of primary sources of current of different phase characteristics, a wave modifying device for each of said sources, a plurality of sets of control contacts, one for each machine, individual means for differentially operating said contacts according to a preselected code, and circuit connections normally completed under control of said sets of contacts from predetermined ones of said sources of current through the related wave modifying means to the line to impress modified wave forms of carrier currents on said line of predetermined different phases to represent the different machines, and means at the other end of the common line comprising a plurality of secondary sources of current of different phase characteristics corresponding to the phases of the aforementioned primary sources of current, an electronic valve connected to each of the secondary sources, a plurality of printing control magnets, one for each machine, individual circuit connections from predetermined ones of the secondary sources of current through the medium of said electronic valves to said magnets and means responsive to the carrier currents for completing said circuit connections in accordance with agreement of the phases of the carrier currents with the phases of the currents of the connected secondary sources to energize the printing control magnets, whereby the different sets of control contacts of the machines at the first mentioned end of the line may be operated simultaneously by their individual operating means to effect control of the energization of printing control magnets of the machines at the other end of the line to effect printing according to the preselected code.

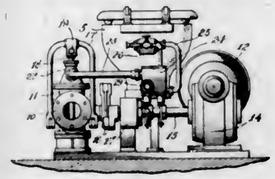
2,247,910
PHTHALIC ANHYDRIDE
William Alexander Douglass, Penns Grove, and Harold La Belle Jones, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 20, 1937, Serial No. 143,670
2 Claims. (Cl. 260—342)

1. In the preparation of phthalic anhydride by partial oxidation of a polynuclear aromatic compound in vapor phase wherein a ratio of about 1 part of said compound to 23 to 35 parts of an oxygen-containing gas is employed and a hot, gaseous mixture containing phthalic anhydride vapors is formed, the improvement which comprises cooling the hot gaseous mixture to a temperature below the dew-point but above the melting point of the phthalic anhydride, while



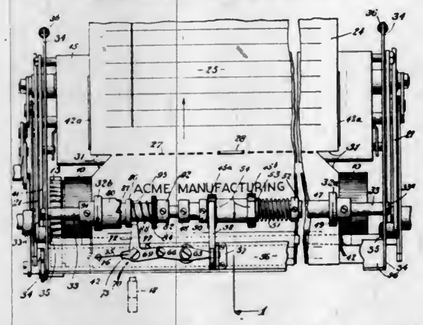
maintaining the gaseous mixture at a pressure sufficient to raise the dew-point of the phthalic anhydride in the mixture above 131° C., so as to condense phthalic anhydride in liquid form, passing the gaseous mixture and liquid phthalic anhydride into a catch tank where the liquid phthalic anhydride is collected and bubbling the gaseous mixture through the liquid phthalic anhydride in the catch tank.

2,247,911
HIGH PRESSURE WATER CLOSET
Edmund Du Pont, Bloomfield, N. J., assignor, by mesne assignments, to Wilcox, Crittenden & Co., Inc., Middletown, Conn., a corporation of Connecticut
Application August 3, 1940, Serial No. 350,293
6 Claims. (Cl. 4—77)



1. The combination with a pump cylinder communicating at one end with the lower chamber of a water closet and with a discharge conduit, of a water supply conduit communicating with the other end of the cylinder, an inlet valve controlling fluid flow from the supply conduit to the cylinder, a flushing water conduit between the last named end of the cylinder and the closet bowl, a flush valve between the cylinder and the flushing water conduit controlling fluid flow from the cylinder to the flushing water conduit, a piston in the cylinder, power means to actuate the piston, said inlet and flush valves being normally yieldingly closed, and means associated with the power means to positively and sequentially open and close said inlet and flush valves, whereby said piston effects both suction and pumping actions with respect to both sides thereof and said flush valve is positively closed whenever said inlet valve is open.

2,247,912
MANIFOLDING DEVICE
Arthur A. Johnson, Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application April 20, 1938, Serial No. 203,008
24 Claims. (Cl. 197—133)



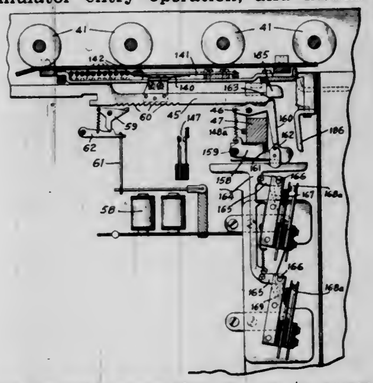
1. In a manifolding device having a platen over which a continuous strip is advanced; intermittently operating feeding means coacting with the strip to advance the strip line-by-line, said means becoming temporarily ineffective to continue to advance the strip after the strip has advanced a predetermined amount, and means automatically made operative for causing said feeding means to resume strip advancement after predetermined ineffective operations of said feeding means.

2,247,913
CONDENSATION PRODUCT OF 4-(4' AMINO BENZENE SULPHONAMIDO) - BENZENE SULPHONAMIDE WITH AN ALDOSE
Josef Klarer, Wuppertal-Elberfeld, Germany, assignor, by mesne assignments, to Alba Pharmaceutical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 30, 1939, Serial No. 292,604. In Germany September 1, 1938
9 Claims. (Cl. 260—211)

1. A condensation product of an aldose with a 4-(4'-aminobenzenesulphonamido)-benzenesulphonamide, which product is soluble in water.

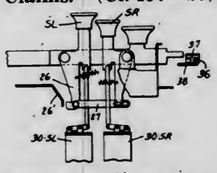
2,247,914
MACHINE FOR INTERPRETING AND PRINTING PERFORATED RECORDS
Clair D. Lake, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 28, 1937, Serial No. 182 057
7 Claims. (Cl. 235—61.7)

2. In a machine of the class described having an accumulator, the combination of two sets of type bars, respective type bar positioning means therefor, entry controlling means, means controlled by the entry controlling means to control the operation of one type bar positioning means to effect the differential positioning of the related set of type bars to select amount representing type for printing, an amount read-out means for controlling the entry in said accumulator, means under control of the entry controlling means to control the operation of said other type bar positioning means to effect the position of said other and related set of type bars to select duplicate amount representing type for printing and to set said read-out means to determine the accumulator entry, comparing means controlled by said sets of type bars for comparing the positioning of the sets of type bars, means to render said read-out means ineffective for an accumulator entry operation, and means con-



trolled by said comparing means to cause said last named means to be effective to thereby prevent an accumulator entry when the two sets of type bars are positioned unlike to effect the printing of different amounts.

2,247,915
TRANSCRIBING APPARATUS
Clair D. Lake, Binghamton, and Francis E. Hamilton, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application February 17, 1937, Serial No. 126,152. Divided and this application May 4, 1938, Serial No. 205,910
24 Claims. (Cl. 197—20)

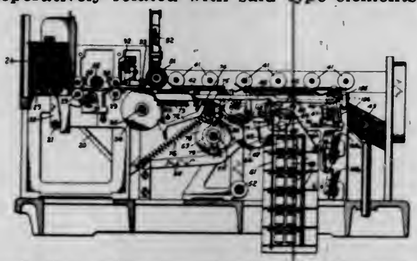


14. In combination, writing apparatus including case shift mechanism, a plurality of electromagnetic devices, each singly operable to act individually and separately on the shift mechanism to cause the latter to shift to a different case position, circuit means for energizing one or another of said devices and including a plurality of circuit paths, one through each electromagnetic device, and means having different conditions corresponding to the different case positions for selecting, according to its condition, one or another of the circuit paths through the electromagnetic devices for operation.

2,247,916
MACHINE FOR INTERPRETING AND PRINTING PERFORATED RECORDS
Clair D. Lake, Binghamton, and Francis E. Hamilton, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 18, 1938, Serial No. 235,610
8 Claims. (Cl. 101—93)

1. In a checking device for a printing apparatus, a plurality of type elements each having a certain printing position and other digit

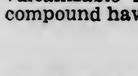
representing positions, control means, means for setting said type elements to said digit representing positions under control of said control means, or to said certain printing position, means cooperatively related with said type elements to



check the positioning of said type elements at said other printing position, and means for causing said last named means to be operative and effective upon the determination that said type elements are not set at said digit representing positions.

2,247,917
ACCELERATOR
Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 8, 1934, Serial No. 752,123
6 Claims. (Cl. 260—793)

1. The process which comprises vulcanizing a vulcanizable rubber mix in the presence of a compound having the formula



wherein D is a thiocarbamyl group and X is an amino group.

2,247,918
VULCANIZATION OF RUBBER
Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 30, 1936, Serial No. 77,220
10 Claims. (Cl. 260—787)

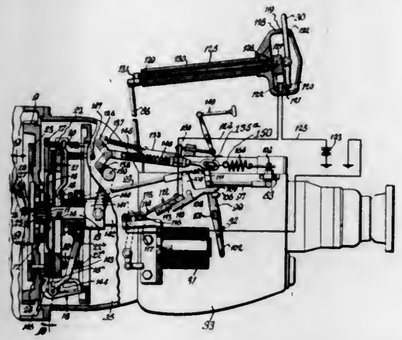
1. The method of treating rubber which comprises vulcanizing it in the presence of a ketone containing from three to four arylthiazyl-thio groups attached alpha to the carbonyl group, not more than two such arylthiazyl-thio groups being attached to the same carbon atom.

2,247,919
DITHIOCARBAMATES
Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 16, 1940, Serial No. 365,939
5 Claims. (Cl. 260—455)

1. The fatty acid amides in which only one hydrogen atom attached to a carbon atom alpha to the carbonyl group is replaced by the group —S—D, wherein D is a thio carbamyl radical.

2,247,920
TRANSMISSION
Paul W. Neff, New Kensington, Pa.
Application January 13, 1938, Serial No. 184,815
22 Claims. (Cl. 192—3.5)

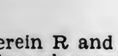
1. A gear changing mechanism, comprising, a gear coupling lever, a power shaft, a transmission shaft, a propeller shaft, gears for coupling the transmission shaft to the propeller shaft, an automatic centrifugally operated clutch for coupling the power shaft to the transmission shaft, an electro-magnetic device for moving the gear coupling lever to gear uncoupling position, and



means connecting the automatic clutch with said electro-magnetic device, normally locking the latter against gear coupling action when it is in gear uncoupling position but effective for permitting coupling of the gears when the automatic clutch becomes disengaged when the power shaft speed is decreased.

2,247,921
CAPILLARY ACTIVE COMPOUNDS AND PROCESS OF PREPARING THEM
Ludwig Orthner, Carl Platz, Hans Keller, Frankfort-on-the-Main, and Heinz Sönke, Bad Soden in Taunus, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 14, 1939, Serial No. 250,926. In Germany January 17, 1938
2 Claims. (Cl. 260—500)

1. The process of preparing capillary active compounds which comprises causing compounds of the general formula

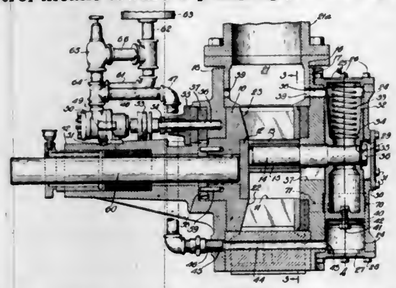


wherein R and R_1 stand for saturated aliphatic hydrocarbon radicals each containing at least 3 carbon atoms and R and R_1 together containing at least 11 carbon atoms, to react with a sulfonating agent.

2,247,922
PUMP
Robert S. Potter, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application September 8, 1938, Serial No. 228,975
13 Claims. (Cl. 103—38)

1. In a combination of the class described, a main pump, control means for varying the pumping volume of said pump, means normally urging said control means toward a non-pumping position whereby when said pump operates it will pump substantially no fluid, an auxiliary pump, and means of connection between said auxiliary pump and said control means whereby

the output of said auxiliary pump urges said control means toward a pumping position against

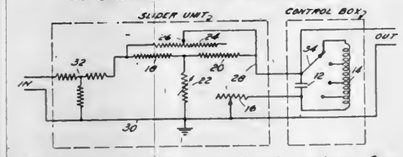


the said means urging said control means toward a non-pumping position.

2,247,923
RUBBER BONDED TO ARTIFICIAL SILK
Theodore A. Riehl, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 2, 1937, Serial No. 134,677
2 Claims. (Cl. 154—46)

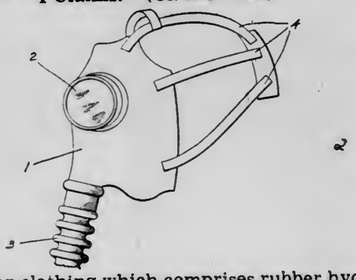
1. In a rubber article comprising artificial silk, the improvement which comprises between the rubber and artificial silk a vulcanized bond formed from a water-in-oil emulsion of a latex in a hydrocarbon-solvent solution of a condensation derivative of rubber produced by treating rubber with the halide of amphoteric metal.

2,247,924
AUTOMATIC EQUALIZING SYSTEM FOR RECORDING ON DISK RECORDS
George J. Saliba, Englewood, N. J., assignor to Presto Recording Corporation, New York, N. Y., a corporation of New York
Application August 16, 1938, Serial No. 225,110
16 Claims. (Cl. 179—100.4)



1. An automatically equalized system for recording sound on ungrooved disk records, said system comprising a turntable, means to drive the same at slow speed to make possible long recordings, a cutting head, and feed mechanism including gearing driven by the turntable for positively feeding the cutting head over the turntable in order to groove the ungrooved disk records, an equalizer for increasing the high frequencies relative to the low frequencies, means to vary the effect of the equalizer, a compensating attenuator independent of vacuum tube bias and connected in a low impedance line outside of any vacuum tube circuits which may form a part of the complete apparatus, and a control device automatically and positively moved by the positively driven feed mechanism for simultaneously varying the effect of the equalizer and the compensating attenuator, the equalizer being so varied as to compensate for loss of high frequencies by amplifying the high frequencies being fed to the cutting head near the center of the record more compared to the low frequencies than at the outer part of the record, without decreasing the high frequencies at the outer part of the record, and the compensating attenuator being so varied as to compensate for changes in insertion loss and volume caused by the aforesaid changes in the equalizer, whereby automatic frequency equalization is obtained without concomitant changes in volume.

2,247,925
GAS MASK AND OTHER CLOTHING
Lorin B. Sebrell, Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application March 26, 1938, Serial No. 198,278
4 Claims. (Cl. 128—141)



1. War clothing which comprises rubber hydrochloride film to make it gas and vapor tight, said film being coated with a non-tacky coating of rubber from latex.

2,247,926
TREATMENT OF HYDROCARBONS
William Alvah Smith, Hamburg, N. Y.
No Drawing. Application March 9, 1938, Serial No. 194,948
11 Claims. (Cl. 196—31)

1. In the refining of petroleum hydrocarbons, the improvement which comprises reducing the viscosity where necessary, and then subjecting the product at the same time to the action of sulphuric acid and an aryl nitro in which the NO_2 group is attached directly to a benzene ring.

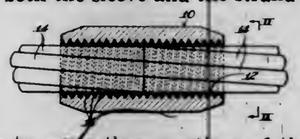
2,247,927
TREATMENT OF HYDROCARBONS
William Alvah Smith, Hamburg, N. Y.
No Drawing. Application March 11, 1938, Serial No. 195,361
5 Claims. (Cl. 196—31)

1. The method of removing impurities from petroleum lubricating oils and motor and petroleum heating fuels, and increasing their color stability and reducing their tendency to gum and sludge formation, which comprises treating such oils and fuels at the same time with concentrated sulphuric acid and an aryl amine.

2,247,928
COUPLING
Robert Temple, Jr., Pittsburgh, Pa.
Application December 29, 1938, Serial No. 248,292
6 Claims. (Cl. 287—75)

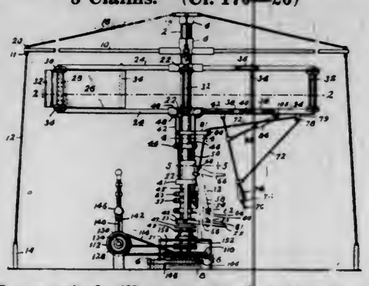
1. In combination, a metal sleeve having a bore therein, a strand element having its end received in an end of the bore, and a helically coiled spring extending in the bore between the sleeve and the strand element and having at least most of its convolutions spaced apart, said spring being

of a metal at least as hard as the sleeve or strand element, said sleeve being compressed about the spring and strand element so as to embed the spring in both the sleeve and the strand element



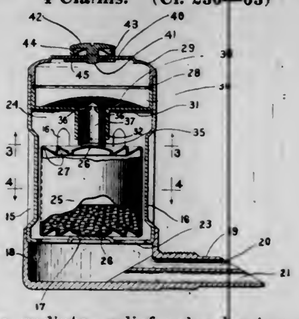
and so as to cause those portions of the sleeve and strand element lying between substantially each convolution of the spring to be in intimate engagement with each other.

2,247,929
WINDMILL
Cornelius F. Terhune, Kansas City, Mo.
Application August 19, 1939, Serial No. 291,060
8 Claims. (Cl. 170—26)



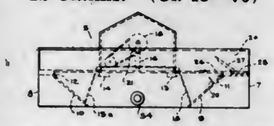
1. In a windmill, a vertical rotatable shaft, vane supporting means associated with said shaft and rotatable therewith, vanes pivoted to said supporting means, movable stops on the supporting means for holding the respective vanes broadside to the wind, means for urging said stops into the path of the respective vanes, cables for pulling the stops out of the path of the respective vanes, a slide associated with the shaft and adapted to move downward to active position and operate the cables, clamping means for holding said slide in active position, and means rotatable with the shaft and operated by centrifugal force including a vertically movable member which on its downward movement moves the slide downward and on its upward movement disengages the clamping means from said slide so the latter may move upward to idle position.

2,247,930
VACUUM RADIATOR AIR VENT VALVE
Robert E. Turner, New York, N. Y.
Application February 17, 1940, Serial No. 319,385
4 Claims. (Cl. 236—63)



4. In a radiator relief valve having main and minor compartments and a partition therebetween, a hollow annular projection on said partition extending into the main compartment, a mushroom shaped highly flexible valve having a thin pliant annular border seated on said partition and an integral hollow stem extending through and beyond said projection, said stem provided with perforations at its juncture with the main body of the valve, and a float in said main compartment adapted to close the opening through said stem when raised.

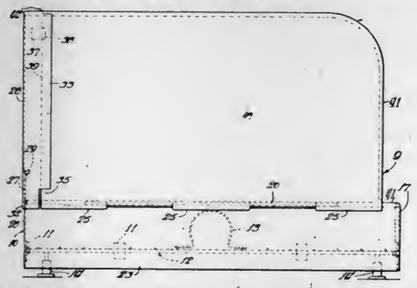
2,247,931
METHOD OF AND APPARATUS FOR TRAPPING ANIMALS
William J. Vincent and Cornelius M. Stanton, Rochester, N. Y.
Application February 6, 1939, Serial No. 254,868
12 Claims. (Cl. 43—76)



1. An animal trap comprising a receptacle having an open bottom closed by the floor or the like on which the trap is supported, said receptacle having openings in opposed walls thereof providing an unobstructed passageway therethrough, a gate for each end of said passageway, means out of contact with the animal but operable by the presence of an animal in said passageway for closing said gates, a compartment related to said receptacle, an opening in said passageway leading to said compartment, means for closing said opening, a passage leading from said compartment, and means in said passage for preventing retreat of the animal therefrom.

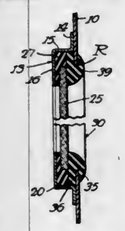
11. The method of capturing animals moving unobstructedly in their usual path, which method comprises electrically detecting the presence of an animal in a portion of said path, enclosing said portion of said path in response to said electrical detection, providing for the animal a pseudo path of escape, blocking the return of the animal along said pseudo path and disposing of the animal at the end of said pseudo path.

2,247,932
DISH RINSING RACK
Monroe L. Wexler, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application September 3, 1937, Serial No. 162,257
4 Claims. (Cl. 141—9)



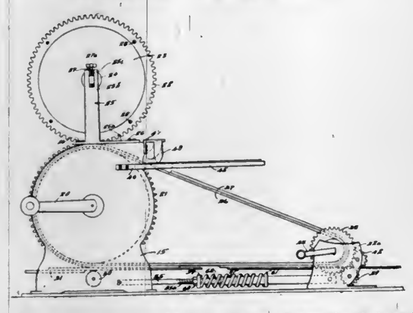
1. A rack comprising a compartment having an open top, an openwork floor including means forming the sole support for dishes, and a lateral opening relatively wide at the top to provide clearance for a dish sprayer and relatively narrow at the bottom to prevent outward escape of the sprayed water adjacent the ends of said opening at the floor.

2,247,933
PANEL MOUNTING
Nicholas L. Willer, Chicago, Ill., assignor to Railway Utility Company, Chicago, Ill., a corporation of Illinois
Application July 11, 1938, Serial No. 218,715
5 Claims. (Cl. 189—78)



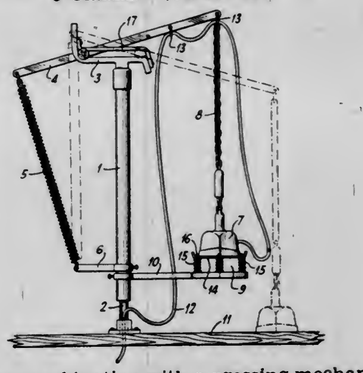
1. A dam suitable for mounting a panel and especially adapted for use in a moving vehicle, comprising a strip of resilient non-metallic material having a flat surface and having a substantially non-tapered groove therein for the reception of a plate, said groove lying substantially parallel to said surface, the surface of said dam adjacent the entrance to said groove receding away from said groove in order to facilitate assembly of the dam with a plate entering said groove, and having a flat surface continuous with said first mentioned flat surface and forming an obtuse angle therewith, said dam being capable of resilient distortion to permit said flat surfaces to lie in substantially the same plane and thus exert pressure against a contiguous surface or surfaces.

2,247,934
METHOD AND APPARATUS FOR DOING HECTOGRAPH AND OTHER PRINTING
Fred R. Bartholomew, Minneapolis, Minn.
Application April 23, 1938, Serial No. 203,917
10 Claims. (Cl. 101—131)



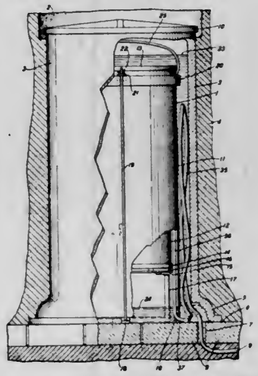
1. In a machine of the class described having in combination, two cylinders, a belt having spaced sections of hectograph gelatin composition thereon, said belt passing around and connecting the two cylinders and revoluble with said cylinders, images in hectograph ink in reverse on said sections of hectograph gelatin composition, means for pressing sheets of paper onto the said sections and against said images and means for stripping the said sheets of paper from said sections.

2,247,935
APPARATUS FOR PRESSING GARMENTS
Sidney J. Bedell, Brooklyn, and Edward Glasser, Woodside, Long Island, N. Y.
Application October 12, 1938, Serial No. 234,514
9 Claims. (Cl. 38—32)



9. The combination with a pressing mechanism comprising a vertical hollow rotatable rod, a vertical standard within said hollow rod for supporting the same, said rod being removable from said standard by lifting the same, a bar for supporting an iron at one end thereof pivotally supported intermediate the ends thereof and mounted on the top of said vertical rod, a contractile spring depending from the other end of said bar and fastened to a portion of said vertical rod appreciably removed from the top for exerting an upward pull on said iron, whereby said rod, bar and spring are rotatable as a unit in response to movement of said iron to either side of said rod, of a table, and a pressing board detachably fastened to said table, the top of said table having an aperture through which said vertical rod extends, said rod being mounted below said table top.

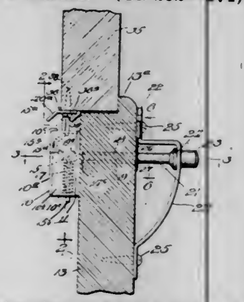
2,247,936
APPARATUS CASING
Walter M. Bishop, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 31, 1939, Serial No. 302,099
4 Claims. (Cl. 220—8)



3. A container comprising a tubular casing closed at its upper end and open at its lower end, a second tubular casing closed at its lower end and open at its upper end, said second casing being much shorter and much smaller in

diameter than the first casing and being disposed entirely within the first casing, spaced foot members attached to and extending from the lower end of said second casing and maintaining the closed end of said second casing entirely elevated from the lower end of the first casing, apertured brackets supported in spaced relation on the first casing and means carried by said foot members and engaging said brackets to hold said casings against relative movement.

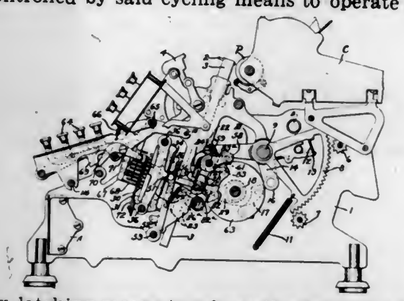
2,247,937
LATCH STRUCTURE
Louis A. Bittorf and Frank Decker, Jr., Sterling, Ill., assignors to National Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application May 16, 1938, Serial No. 208,168
9 Claims. (Cl. 292—174)



1. Latch structure adapted to be applied to one face of a door having an opening therethrough, comprising a casing including top, end and bottom walls, said end and bottom walls having openings therein, a sheet metal strip constituting a latch bolt disposed lengthwise within said casing with its opposite ends projecting through and beyond and guided in the openings in said end walls, said strip bolt having its mid portion within said casing offset to provide a camway thereon inclined forwardly away from the opening in the bottom wall and toward the top wall, a spring constantly urging said strip bolt forwardly toward a latched position, and means adapted to extend through the door and casing bottom openings into free abutting engagement with said camway at substantially right angles to the direction of movement of said bolt and adapted to be pushed inwardly against said camway to displace said strip bolt in opposition to said spring.

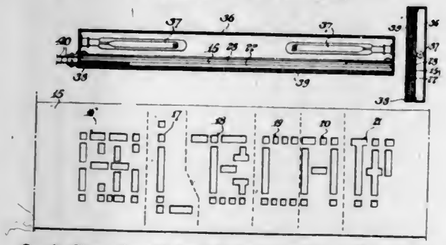
2,247,938
CALCULATING MACHINE
Raymond G. Bower, Bloomfield Hills, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application July 19, 1935, Serial No. 32,227
6 Claims. (Cl. 235—60)

1. In a calculating machine of the class described having means for giving it cycles of operation; selectively depressible amount keys, means for latching depressed keys in depressed position, setting means controlled by said keys, a movable support, a plurality of groups of settable members in said movable support, a plurality of movable differential members, means on said differential members cooperable with said settable members for determining the movement of said differential members during a machine cycle, means operable at the beginning of a machine cycle to move said movable support so as to cause settable members therein momentarily to engage with and be set by said setting means in accordance with the keys depressed and to thereafter retract said movable support, and means controlled by said cycling means to operate said



key-latching means to release the depressed keys after said movable support has been retracted, whereby the amount keys are free for depression while the differential members are being moved during the machine cycle.

2,247,939
DIRECTIONAL SIGNAL
Fred Bunny, Jenkintown, Pa.
Application September 19, 1939, Serial No. 295,553
2 Claims. (Cl. 40—133)

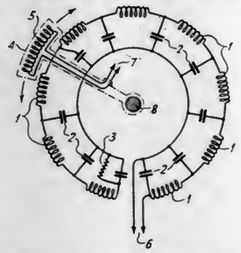


2. A directional signal comprising three sheets arranged one behind another, the inner or rear sheet having groups of perforations disposed to form some of the characteristics of certain letters of the alphabet; the intermediate or middle sheet having groups of perforations disposed to form some of the other characteristics of certain of said letters of the alphabet; the front or outer sheet having groups of perforations disposed to form some additional characteristics of certain of said letters of the alphabet, the three sheets having sufficient perforations in common so that complete letters appear when they are brought in certain relative positions, two of the sheets being movable longitudinally whereby the groups of perforations having the same characteristics may be brought into alignment, in a selected manner, to produce desired signal words.

2,247,940
COLOR STABLE DI-NAPHTHYL METHANE RESIN
William H. Carmody, Pittsburgh, Pa., assignor to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 21, 1938, Serial No. 209,367
6 Claims. (Cl. 260—67)

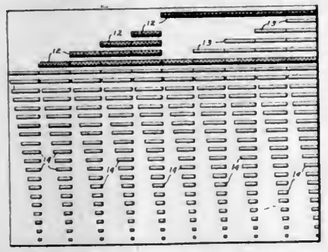
1. That method of controlling after-yellowing in a resin produced by condensation of naphthalene and an aldehyde that is normally subject to after-yellowing which comprises providing a solution of such resin, adding to the solution a hydrogenation catalyst, and subjecting the mixed solution and catalyst to hydrogenation with gaseous hydrogen at a temperature below that causing degeneration of the resin molecule to effect hydrogenation of the resin destructive of its after-yellowing capability.

2,247,941
VARIABLE PHASE SHIFTER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 24, 1939, Serial No. 252,527
3 Claims. (Cl. 171—238)



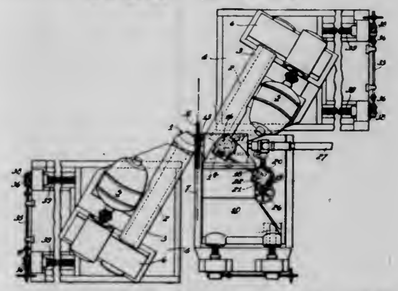
1. In phase shifting apparatus, a plurality of coils each having its axis falling along an arcuate path, means connecting said coils in series, a plurality of condensers connected between spaced points on said series connection and a common point to form a phase shifting circuit, means for impressing current on said circuit whereby waves of the frequency of said current are set up in said circuit, a pick-up coil mounted for movement along said arcuate path in coupled relation to at least one of said plurality of coils whereby alternating voltages of a phase depending on the position of said pick-up coil with respect to said phase shifting circuit is set up in said pick-up coil, and means for utilizing said alternating voltage set up in said pick-up coil.

2,247,942
TELEMETRIC ANNUNCIATOR
Herman De Koevend, South Platte, Colo.
Application June 20, 1938, Serial No. 214,749
4 Claims. (Cl. 177—380)



1. A telemetric annunciator comprising an elongated cylinder rotatable about its axis, a plurality of annular bands having each a width corresponding to a unit of the factor or characteristic to be determined defined in marginally-coincident succession on the surface of said cylinder, a unit-designating zone common to all of said bands longitudinally of said cylinder, actuating elements productive of characteristic signals distinctively arranged in circumferentially-spaced relation in the unit-designating zone of each band to identify the relative position of the bands longitudinally of the cylinder, and additional actuating elements productive of signals distinct in character from those designating the unit zone identically arranged in progressively shorter, circumferentially-spaced relation on each band and in trailing relation with the unit-designating zone of the band to indicate unit fractions.

2,247,943
CROSS ROLLING MILL
Samuel E. Diescher, Pittsburgh, Pa., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa., a corporation of Delaware
Application May 18, 1939, Serial No. 274,407
4 Claims. (Cl. 80—13)



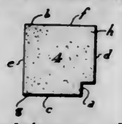
1. A cross rolling mill for use in the making of seamless tubing, comprising a pair of conical cross rolls having the larger diameter portion of each opposed to the smaller diameter portion of the other, the axes of the rolls being vertically inclined to each other and to the pass line between them and being horizontally inclined to the pass line, means for driving one of the cross rolls from the entering and the other from the delivery side of the mill, a rotatable guide disc positioned in the pass between the cross rolls to have its periphery bear upon a blank passing through the mill, and means for driving said disc at a peripheral speed materially in excess of the longitudinal feed of the blank effected by the cross rolls, whereby to increase the elongation of the blank.

2,247,944
ORNAMENT
Thomas A. Galligan, Providence, R. I.
Application November 14, 1939, Serial No. 304,347
3 Claims. (Cl. 40—143)



3. An ornament comprising a pin stem, and a body in the form of two contiguously joined letters, one of the letters of said body embedding the upper end portion of said pin stem to fixedly mount the stem, the other letter of said body being affixed to the pin stem at a point spaced from the point of mounting of said stem in the first letter.

2,247,945
WALL COVERING
Earl H. Gardner, Detroit, Mich.
Application November 27, 1940, Serial No. 367,452
2 Claims. (Cl. 108—9)



1. A wall embodying a plurality of thick shingles or covering plates each having a projecting corner diagonally across from which is a corner notched for receiving a projecting corner of one neighboring coplanar shingle, every regular group of four shingles occupying three planes and being made up of a first laid shingle, a second laid shingle having a notch-opposing edge laid over a notch-adjacent edge, as well as over the notch of the first laid shingle, a third laid shingle having its own notch receiving the projecting corner of the second laid shingle, and a notch-adjacent edge laid over a notch-opposing edge of the first laid shingle, and a fourth laid shingle having a notch-adjacent edge laid over a notch opposing edge of the second laid shingle, and a corner laid over a corner of the first laid shingle, but spaced therefrom by a corner of the second laid shingle, and a notch-opposing edge laid over the notched corner as well as over a notch-adjacent edge of the third laid shingle, with the second and third laid shingles being coplanar, and with the first and fourth laid shingles being in separate planes, between which is the plane of the second and third shingles.

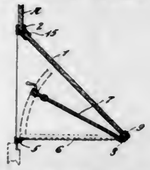
2,247,946
BUMPER
Robert O. Hein and Norbert Shaeffer, Chicago, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 26, 1937, Serial No. 161,000
5 Claims. (Cl. 15—257)



2. In combination, a portable tool having a window opening therein, an elongated entirely resilient bumper detachably secured on said tool by reason of the distortability of said bumper, said bumper including frame-like means at one end thereof and substantially conforming with and overlapping the edge of said window opening to provide an anchorage for one end of said bumper, said bumper also having an integral enlargement at its opposite end retained by said tool so as to provide an anchorage for that end of the bumper.

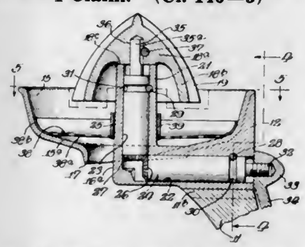
2,247,947
WINDOW VENTILATOR
William Henderson, Mineola, N. Y.
Application July 14, 1938, Serial No. 219,115
3 Claims. (Cl. 98—88)

1. A window ventilator adapted for glazing in place of a portion or all of a window pane, comprising a main frame for juxtaposition with the muntins of the window, an inclined flat glass plate glazed to one horizontal edge of said frame, vertical end members engaging said frame at the edge thereof to which said inclined flat glass plate is glazed, and extending substantially in the same degree of inclination to said frame as does said inclined flat glass plate, said end members engaging also the ends of the inclined flat glass plate, an auxiliary frame extending sub-



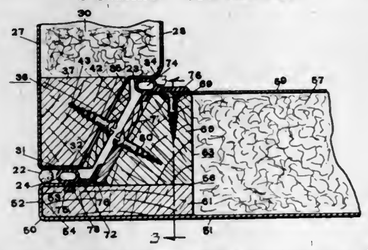
stantially at right angles to said main frame and defining a bottom opening to the space between said main frame and said inclined flat glass plate, a readily insertable air screen for the bottom opening, a tiltable control plate readily insertable and removable into said space to completely close said opening, and means for adjusting the tilting of said control plate to any desired degree and to automatically maintain it in such tilted position to permit ingress of air through the screen into the space defined by said main frame, and inclined flat glass plate.

2,247,948
JUICE EXTRACTING DEVICE
Herbert C. Johnson, Wilmette, Ill.
Application June 5, 1939, Serial No. 277,351
1 Claim. (Cl. 146—3)



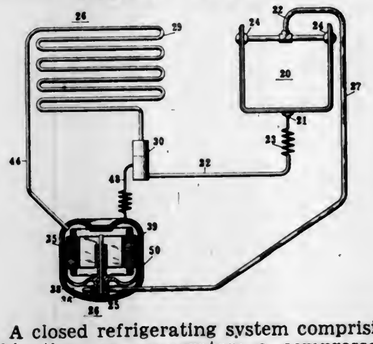
A juice extracting device comprising a base having a part adapted for supporting a juice receiving receptacle, an upstanding body section said cup portion with its lower part disposed mounted on said base, a cup portion mounted on said body section and having a juice discharge spout in its bottom disposed directly above the receptacle supporting part of said base, a conically shaped reamer disposed centrally of within said cup portion and with its upper part projecting upwardly thereabove, means extending integrally upward above and non-rotatably within said cup portion for rotatably supporting said reamer under its own weight, said supporting means having an axial opening therein, and means for rotating said reamer which includes another and right-angularly disposed opening in said cup portion connecting with said axial opening, a pair of members rotatably disposed in said openings and having meshing gear connections at their inner adjacent ends, the one of said members mounted in said axial opening being long enough to extend upwardly through and beyond the end of said reamer supporting means and having means for non-rotatably connecting it with said reamer, whereby said reamer is not only supported for rotation without lateral displacement but also may be easily and quickly detached from said one member merely by outward movement of the reamer, a handle on the outer end of the other of said members for rotating the latter member to, in turn, rotate both members and the reamer, and means cooperating with said members and the openings in which they are mounted for preventing axial displacement of said members while permitting rotation thereof.

2,247,949
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio
Application September 24, 1936, Serial No. 102,368
2 Claims. (Cl. 220—9)



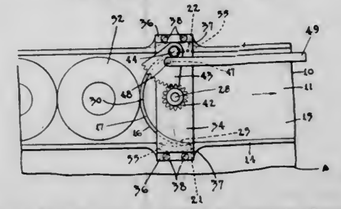
2. In an insulated wall structure, a frame member; a cover for the frame; a sealing strip covering an edge of said cover; a second cover for the frame having an edge engaging said sealing strip for holding the latter in place; a third cover for the frame; a second sealing strip covering an edge of the third cover; and a breaker strip attached to the frame member and engaging the second cover and second sealing strip for holding the second cover and the second sealing strip in place.

2,247,950
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio
Application October 7, 1936, Serial No. 104,479
2 Claims. (Cl. 62—115)



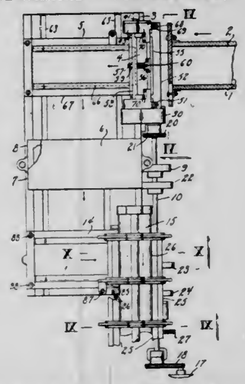
1. A closed refrigerating system comprising in combination, an evaporator; a compressor for withdrawing gaseous refrigerant from the evaporator and for compressing the same; a motor for driving the compressor; a condenser for receiving the compressed refrigerant and for liquefying the same; a sealed casing enclosing the motor and compressor; sound insulation around the casing; and means for conducting a portion only of the liquid refrigerant, from the condenser, into the casing to cool the compressor and motor.

2,247,951
DOUGHNUT MACHINE
Alexander S. T. Lagaard, Minneapolis, Minn., assignor to Dough-King, Inc., Minneapolis, Minn., a corporation of Minnesota
Application September 8, 1939, Serial No. 293,974
13 Claims. (Cl. 53—7)



1. In a doughnut machine in which the doughnuts are progressed along a way through the flow of the cooking liquid, an engaging member, means forming a pivot for said engaging member and having a vertical axis, said engaging member being adapted to be moved from one position in the way to another position in the way upon swinging about said pivot, and means for periodically swinging said engaging member.

2,247,952
CONDITIONING CAN BLANK
Ed Laxo, Riverside, Ill.
Application July 1, 1940, Serial No. 343,373
14 Claims. (Cl. 153—54)

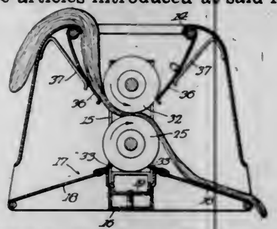


1. A sheet stock processing machine embodying a major diameter roll, flexed control feed means for sheet stock toward the major roll of the pair, a minor roll to effect squeeze action toward the major roll upon the stock therebetween, said means including deflectors, for acting on the stock at a bending angle less than that of the arc of the major roll.

2,247,953
CLOTHES WRINGER
Andrew J. Leonard, Oak Park, Ill., assignor of one-half to Frederick K. Mueller, Chicago, Ill.
Application February 10, 1939, Serial No. 255,579
8 Claims. (Cl. 68—264)

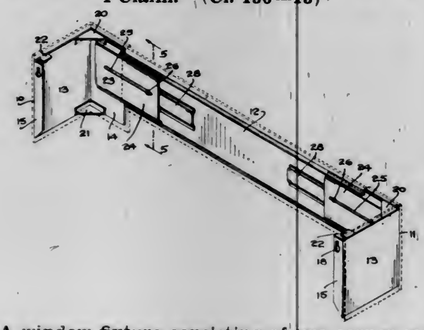
8. In a clothes wringer, a supporting frame, a pair of upper and lower pressure rolls mounted in said frame, a guard member permanently barring direct horizontal entrance to the meeting line of said rolls, said frame having a feed opening at its top adjacent the upper line of said guard member, and inwardly and downwardly

extending spring-pressed guide means to the rear of and connected at its top to said guard member adjacent said feed opening and arranged to yieldingly guide articles introduced at said feed open-



ing downwardly between said guide means and upper roll, said guide means having a lower edge stressed toward the lower outer face of the upper roll along a line below its axis and above the meeting line of the rolls.

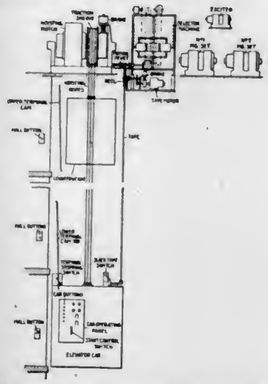
2,247,954
ADJUSTABLE WINDOW VALANCE
Andrew Levaggi, Dubuque, Iowa, assignor to The Nurre Companies, Inc., Egg Harbor City, N. J., a corporation of Indiana
Application July 24, 1939, Serial No. 286,170
1 Claim. (Cl. 156—13)



A window fixture consisting of two corner sections and an interconnecting bridge piece, each corner section providing a front wall and a side wall and said bridge piece providing an intermediate front wall, means for attaching said sections respectively to window stiles to locate said front walls in the same vertical plane, each of said walls forming a back face for a decorative member, and means including a pair of laterally spaced pin and slot mechanisms for respectively connecting each of said sections to said bridge piece in any one of a number of adjusted positions, each of said mechanisms including an elongated channelled bracing member into which said pin is threaded and which is screwed to the rear face of said bridge member with the base of said channelled member spaced from said bridge member and in flatwise contact with the front wall of the adjoining corner piece.

2,247,955
ELEVATOR CONTROL SYSTEM
Jacob Daniel Lewis, Yonkers, and William Henry Bruns, Lincolndale, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application June 5, 1940, Serial No. 338,872
171 Claims. (Cl. 172—152)

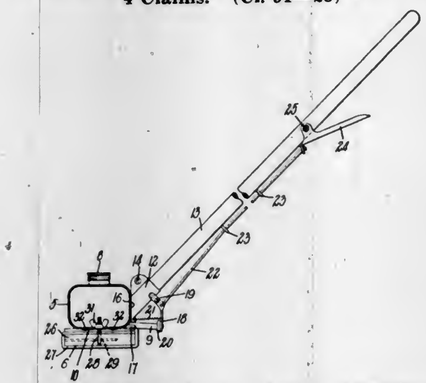
1. In an elevator control system in which a direct current motor is employed for raising and lowering the car and in which current is supplied to said motor by a direct current generator, a separately excited field winding on said generator for providing a portion of the generator excitation, and a self-excited field winding on said generator of a number of turns and having the resistance of its circuit such that the slope of the resistance line of the self-excited field winding circuit is greater than the slope of the magnetization curve of the generator field for amplifying the excitation provided by said separately excited field winding.



28. In an elevator control system in which a direct current motor is employed for raising and lowering the car, in which current is supplied to said motor by a plurality of direct current generators having their armatures connected in series relation, a separately excited field winding on each generator, means for changing the excitation of said separately excited field windings in steps, and a self-excited field winding on each generator, the resistance line of the circuit of which is of a slope greater than the slope of the magnetization curve of the generator field, for providing a portion of the excitation and for delaying the change in voltage applied to the motor upon each of said steps.

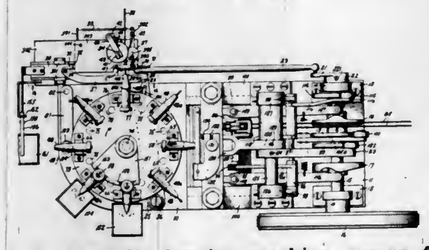
125. In an elevator control system in which a direct current motor is employed for raising and lowering the car, in which current is supplied to said motor by two direct current generators having their armatures connected in series relation and each generator having a separately excited field winding, and in which the separately excited field winding of one of the generators is excited to start the car, means controlled by car movement for dictating acceleration of the car by causing, as the car reaches points predetermined distances from the floor from which it is started, an increase in the amount of such excitation, the separately excited field winding of the other generator to be excited and an increase in the amount of its excitation, and for dictating retardation of the car preparatory to bringing it to a stop at a floor by causing, as the car reaches points predetermined distances from such floor, the excitation of the separately excited field winding of one of said generators to be decreased and then discontinued and thereupon the excitation of the separately excited field winding of the other generator to be decreased, a reverse field winding on each generator, means for rendering said reverse field windings ineffective in the event the car attains full speed in making a run, timed means operable under conditions where the car due to the shortness of the run does not attain full speed for causing energization of said reverse field winding of each generator in opposition to the separately excited field winding of the generator for a predetermined time interval, and means to initiate operation of said timed means as the car arrives at a distance from the floor at which a stop is to be made determined by the length of the run such as to divide said time interval equally before and after the car reaches the mid-point of the run, the duration of said time interval and the strength of such reverse field windings being such as to force down the current supplied to the motor an amount to bring said car from its state of acceleration into a state of retardation as dictated by said means controlled by car movement.

2,247,956
FLOOR POLISHING DEVICE
Morris J. Mandel, Boston, Mass.
Application January 6, 1940, Serial No. 312,646
4 Claims. (Cl. 91—25)



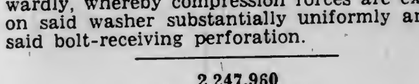
1. A polishing device of the character described having, in combination, a container for a liquid polishing material, a discharge valve for said container, a clamping member rigidly fast to the bottom of the container and extending upwardly around a side thereof and having a socket formed integral therewith and fastened to said side of the container for mutual reinforcement, a polishing unit of absorbent material fast to said clamping member, a handle mounted in said socket, and means upon said handle to actuate said discharge valve.

2,247,957
MACHINE AND METHOD FOR FORMING BRISTLES
Richard Marogg, New York, N. Y.
Application April 27, 1939, Serial No. 270,277
29 Claims. (Cl. 140—71)



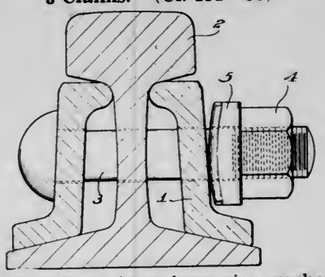
1. In a bristle forming machine, means for feeding a bristle forming wire to said machine, means for cutting said wire into lengths appropriate for a wire bristle, means for forming a laterally metal projection on said bristle and separate therefrom, and means for rendering said projection integral with said bristle.

2,247,958
WEEDING TOOL
Warren G. Maxcy, Oshkosh, Wis., assignor to Isabel T. Maxcy, Oshkosh, Wis.
Application May 10, 1939, Serial No. 272,742
1 Claim. (Cl. 294—49)



A weed removing implement, comprising a dished trowel member having a tapered and sharpened front end portion, a thin cutting plate rigidly mounted on and projecting upwardly from a top central surface portion of said trowel member, the forward edge of said plate being formed as a cutting edge and being rearwardly upwardly inclined, a transverse bar carried by the rear portion of said trowel member, the central portion of said bar being recessed to form a saddle, and an elongated handle having its inner end portion seated and secured within said bar recess, other portions of said bar being adapted to receive foot pressure.

2,247,959
SPRING WASHER
Richard J. McComb, Chicago, Ill., assignor to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application November 25, 1938, Serial No. 242,269
3 Claims. (Cl. 151—38)



2. A generally rectangular spring washer bowed longitudinally along its axis and adapted to be partially flattened between opposed compression members, the compression member on the concave side of the washer being inclined transversely of the washer relative to the other compression member, said washer having a perforation in its central portion adapted to receive a bolt, the central portion of the ends of the washer being adapted to engage the compression member on the concave side of the washer, and the corner portions of the washer being turned outwardly, whereby compression forces are exerted on said washer substantially uniformly around said bolt-receiving perforation.

2,247,960
TUNING FORK
Simon Eugene Michaels, Woodhaven, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 7, 1939, Serial No. 283,219
8 Claims. (Cl. 84—409)

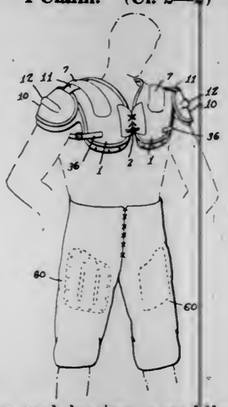
1. A tuning fork having a stem portion and

two integral tines of similar conformation symmetrically positioned with respect to the central longitudinal axis of the stem, characterized in this, that the lines connecting the centers of



mass of the tines with the respective nodal points about which the tines oscillate in their vibration are substantially parallel with the longitudinal axis of the fork.

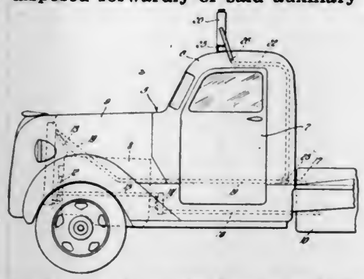
2,247,961
ATHLETIC APPAREL
Joseph A. Mulvey, Andover, Mass.
Application February 15, 1939, Serial No. 256,480
1 Claim. (Cl. 2—2)



A shoulder pad having a saddle portion for positioning over the shoulder and downwardly over the chest and shoulder blade, a flexible strap secured to the front and back margins of said saddle portion and spaced from the top thereof, a wing member having a strap connection to said saddle portion and adapted to engage over the outer portion of the arm at the shoulder of the wearer, and an inflatable pneumatic pad positioned on the inner face of said strap for engagement with the wearer, said pneumatic pad having an extension overlying the outer portion of the arm beneath said wing, and cooperating marginal separable fasteners connecting said pad and strap.

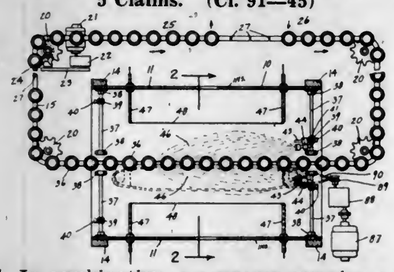
2,247,962
VEHICLE
Donald D. Ormsby and Andrew W. Peirce, Buchanan, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application August 7, 1939, Serial No. 288,796
12 Claims. (Cl. 180—54)

1. The combination, in a vehicle having a main engine, and an auxiliary engine spaced longitudinally in the vehicle, of a main radiator connected to and disposed forwardly of said main engine and having an outlet connection to said auxiliary engine, a return from said auxiliary engine to said main radiator, and an auxiliary radiator disposed forwardly of said auxiliary engine



and adapted to be connected into said return in accordance with the cooling requirements of said engines.

2,247,963
APPARATUS FOR SPRAY COATING ARTICLES
Harold P. Ransburg and Harry J. Green, Indianapolis, Ind., assignors to Harper J. Ransburg, doing business as Harper J. Ransburg Company, Indianapolis, Ind.
Application June 29, 1939, Serial No. 281,766
5 Claims. (Cl. 91—45)

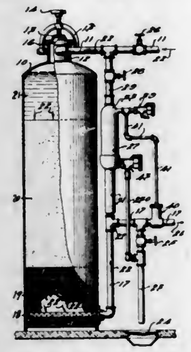


4. In combination, a conveyor carrying a plurality of spaced articles moving successively in a predetermined path, a terminal associated with said articles, a discharge electrode spaced from the path of travel of said articles, a source of high potential connected with said terminal and electrode respectively and creating in the atmosphere therebetween an electrostatic field, and a spray gun adapted to discharge a spray of coating material into said field, the axis of said spray being inclined at an acute angle to the direction of movement of the articles such that the initial velocities of particles of different sizes are lost adjacent to said path, and said electrode and terminal being so placed that said electrostatic field includes substantially the whole of the path of said spray, whereby spray particles varying in size and velocity are collected on said articles by electrostatic action.

2,247,964
WATER SOFTENER
Earl C. Reynolds, Detroit, Mich.
Application April 25, 1939, Serial No. 269,966
6 Claims. (Cl. 210—24)

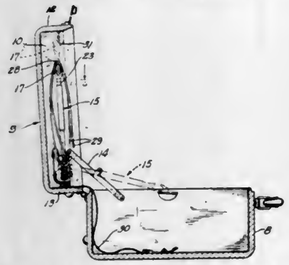
1. Water softening apparatus of the class described comprising a water softening tank including a hard water supply pressure line thereto and a soft water outlet line therefrom and a drain line connected to said soft water outlet, a normally closed drain shut-off valve, manual valve means for shutting off the hard water supply line, means associated with said tank through

which regenerating chemical may be inserted into the said tank when said hard water supply valve is closed, normally closed regeneration cycle valve means connected to said soft water outlet including by-pass means connected from said regenerating valve means to said drain for permitting regenerating chemical and flushing water to pass through said water softening tank and through said drain by-pass to said drain when said regeneration cycle valve means is open, hydraulic means connected to said hard water supply pressure line including manually controlled



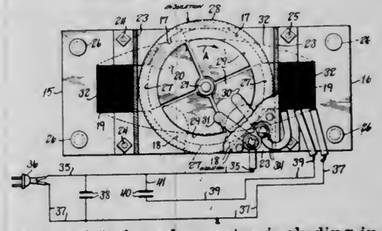
valve means adapted to set the said regeneration cycle valve means from its normally closed to its open position whereupon the regeneration cycle of the water softening apparatus is initiated, spring means compressed by said hydraulic means when said regeneration cycle is initiated for closing the said regeneration cycle valve means, and means for timing the spring closing of the said regeneration cycle valve means whereby to regulate the duration of the regeneration cycle of operation of the water softening apparatus.

2,247,965
WARDROBE SUITCASE
Julius Ritter, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application November 18, 1938, Serial No. 241,113
1 Claim. (Cl. 190—41)



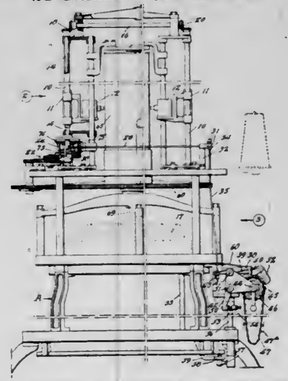
In a swingable garment folding frame having spaced side arms, a transverse garment folding bar connecting said side arms, each side arm being formed of telescopic sections, one of said sections of each side arm having a tubular part formed with an elongated slot therein, and a second section of each side arm having a portion provided with spaced apertures which is slidable in said tubular part of the first section, the apertures being exposed through said elongated slot, and an elongated yielding latching strip connected to said first section and having a latching pin projecting therefrom which is engageable through the elongated slot of the first section with a selected aperture of the second section to lock the sections in a selected position of adjustment, said latching strip when in locking position covering the elongated slot of the tubular part of the first section.

2,247,966
ELECTRIC IMPULSE MOTOR
John J. Root, Dobbs Ferry, N. Y.
Application May 4, 1940, Serial No. 333,288
9 Claims. (Cl. 172—36)



1. An electric impulse-motor including in combination: a normally-stationary energizing-coil; a rotor encircled by and mounted for rotation within the said energizing-coil with its axis of rotation arranged substantially-perpendicularly with respect to the axis of the said energizing-coil; a stator pole-piece associated with the said energizing-coil by which it is energized and having a portion extending into proximity to the said rotor to coact therewith; and a breaker including a rotary-member turning concentrically with the said rotor by which it is driven and also located within the interior of the boundaries of the said energizing-coil to have its sparking tendencies minimized by the magnetic flux created within the boundaries of the said coil, the said breaker being electrically connected to the said energizing-coil to alternately make and break the circuit thereto.

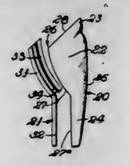
2,247,967
PATTERN REVERSING MECHANISM FOR ELECTROMECHANICAL KNITTING MACHINES
Stanley R. Shelmire, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application March 16, 1940, Serial No. 324,406
21 Claims. (Cl. 66—50)



19. In a knitting machine, a reciprocating ele-

ment, oppositely moving members, a clutch element for selectively operating said reciprocating element from said moving members, operating means for said clutch element comprising resilient means and means for stressing said resilient means so as to cause the reversal of the direction of the motion of said reciprocating element to be substantially instantaneous.

2,247,968
ARTIFICIAL TOOTH
Samuel Z. Sostrin and Cyril J. Dembicki, Chicago, Ill., assignors to W. M. Alexander, trustee, Chicago, Ill.
Application December 8, 1939, Serial No. 308,112
3 Claims. (Cl. 32—12)



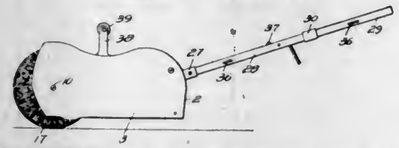
1. In an artificial tooth structure, the combination of a facing having an elongated body similar in shape to that of a normal natural anterior tooth and including an incisal end portion having a lingual surface substantially paralleling the longitudinal face plane of the facing and a portion located gingivally of said incisal end portion of gradually increasing labio-lingual thickness, the increased mass of said portion being located on the lingual side of said facing and provided with a lingual face arcuate along the direction of increasing thickness, said portion of increasing thickness having a groove of uniform cross sectional dimensions traversing the lingual face thereof in a longitudinal direction from the gingival end of said last mentioned portion, and backing means including a rail complemental in shape to that of said groove.

2,247,969
EDGE GLOW LIGHTING SYSTEM
Lemuel L. Stewart, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application December 31, 1937, Serial No. 182,860
8 Claims. (Cl. 240—1)



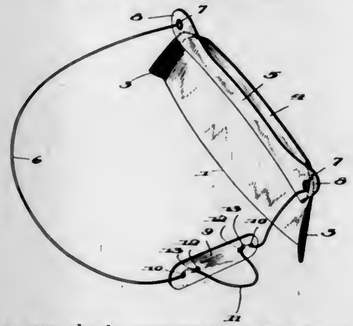
1. In a lighting system for a room or the like having a ceiling, a multiplicity of separate, spaced lamp sockets disposed in a horizontal row along said ceiling, a lamp in each of the sockets, a translucent cover member disposed immediately beneath each lamp and adapted to provide general illumination for the room or the like by rays directly transmitted from the adjacent lamp, and means joining adjacent covers to give the system the appearance of a single fixture providing a generally continuous elongated band of light comprising edegeglow strips having ends exposed to the lamps to receive rays therefrom and each having means including a rear surface for reflecting said received rays through the front surface of the strip to supplement the general illumination of the room or the like and render said strip luminous.

2,247,970
POLISHING MACHINE
Leroy C. Smith, Peterboro, Ontario, Canada
Application June 14, 1939, Serial No. 279,200
1 Claim. (Cl. 15—98)



In a polishing machine including side walls, a shaft secured to and bridging the side walls and being reduced from its ends to provide shoulders, and a polishing roll comprising a hollow sheet metal cylinder, pulley members journaled on the reduced portions of the shaft and abutting the shoulders, inner and outer belt receiving flanges on each pulley member and the inner flanges being disposed substantially centrally of the pulley members, the portions of the pulley members inwardly of the inner flanges providing hubs for the cylinder, a polishing element sleeved on the cylinder and having its ends flush with the ends of the cylinder, said hubs being mounted within the ends of the cylinder with the inner flanges abutting the ends of the polishing element and the cylinder, and rod like means detachably associated with the pulley members and extending therethrough and the cylinder for urging and securing the hubs on the shaft against the shoulders and the inner flanges against the ends of the cylinder and the polishing element.

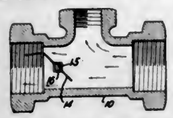
2,247,971
EYESHADE
Joseph W. Snell, Hackensack, N. J.
Application November 1, 1938, Serial No. 238,248
4 Claims. (Cl. 2—12)



4. An eye shade comprising a shade of sheet material of substantial width, and means for securing said shade to the head of the wearer with the shade at an angle of approximately 45° thereto, said shade having the upper edge thereof folded and refolded upon itself forming a channel of relatively narrow width and shallow depth and only at the upper edge of the shade, said channel having the inner wall thereof in position to bear against the forehead of the wearer.

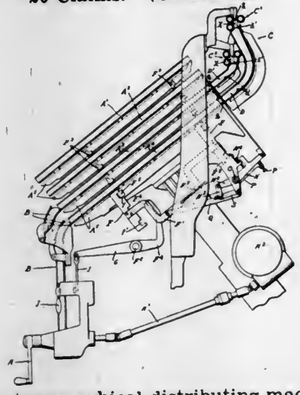
2,247,972
PIPE FITTING
Timothy J. Sullivan, Butte, Mont., assignor to Sullivan Valve and Engineering Company, Butte, Mont., a corporation of Montana
Application May 29, 1940, Serial No. 337,908
3 Claims. (Cl. 138—37)

1. A T-fitting for use in a one pipe hot water heating system, said fitting comprising a head portion having alined sections for connecting the fitting into the main pipe line of the heating system and a branch portion terminating in means for connecting to the inlet pipe to a radiator, a deflecting disk within the head portion of said fitting and having a diameter substantially less than the bore of the head portion, a shaft carrying said deflecting disk, said shaft having an inner end and a shouldered intermediate portion of circular cross-section, and means



pivotally mounting said shaft on the head portion of the fitting with the axis of the shaft normal to the axis of the branch portion and displaced therefrom by substantially the radius of the bore of the branch portion; said mounting means comprising a recess in the inner wall of the fitting to receive the inner end of said shaft, a counterbored and internally threaded boss on said fitting constituting a journal for said shouldered intermediate portion of the shaft, and a gland packing compressed into said boss to anchor said shaft against axial displacement.

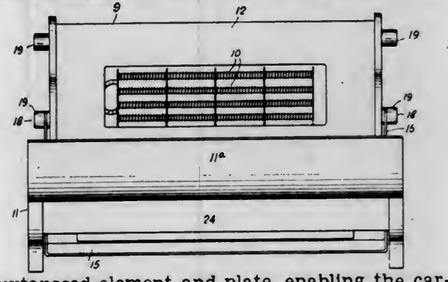
2,247,973
TYPOGRAPHICAL DISTRIBUTING MACHINE
Herman T. Sundstrom and Clarence A. Stopple, Houston, Tex., assignors to Mergenthaler Linotype Company, a corporation of New York
Application July 3, 1940, Serial No. 343,696
20 Claims. (Cl. 199—16)



1. In a typographical distributing machine, the combination of means for feeding the matrices to the distributing mechanism, a magazine shift frame adapted to be seated in operative position, and means for incapacitating said matrix feeding means when the shift frame is unseated.

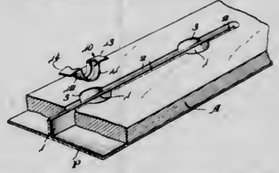
2,247,974
ELECTRIC STOVE
Wilfred Sylvester Thimblethorpe, London, England
Application July 21, 1939, Serial No. 285,785
In Great Britain September 22, 1938
4 Claims. (Cl. 219—19)

2. An electric stove comprising in combination a movable hood or carrier member of generally triangular shape in cross-section, an electric heating element and a heat absorbing and radiating plate mounted in said hood or carrier in juxtaposed substantially parallel relation with each other and being disposed at or forming one side of said triangular cross-section hood, a horizontally disposed base for supporting said hood or carrier, connecting means between said movable hood and base comprising link means pivoted to the base at an intermediate point in the width of the base and to the hood at said side of said triangular cross-section and adjacent said



juxtaposed element and plate, enabling the carrier or hood to be swung to a position in which said hood rests on its said side on the base with the heating element underlying the plate and in horizontal position to heat the plate for cooking, and to be swung to a position in which said triangular hood rests on another of its sides on the base with the heating element outermost and inclined upwardly with the heat retaining plate beneath or behind it for room heating purposes.

2,247,975
FASTENING INSTALLATION AND FASTENER THEREFOR
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 16, 1940, Serial No. 329,950
20 Claims. (Cl. 189—36)

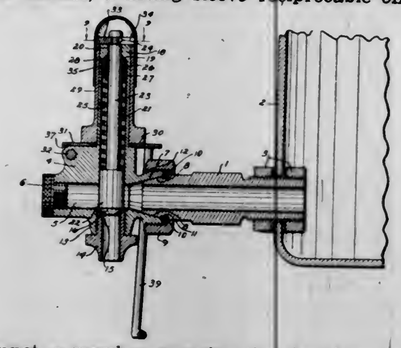


1. In combination with a part having a body and connecting means in the form of a substantial rib, rib section, or equivalent stud element or the like, a fastening structure comprising a sheet metal strip provided with a base and an opening defining spaced longitudinal sections bordering said opening, said longitudinal sections being bent intermediate their lengths in the same general direction to one side of said base and extending away from the free end of said connecting means in spaced edge to edge relation, said bent longitudinal sections receiving said connecting means between said spaced edges in gripping engagement therewith in fastening position.

2,247,976
LIQUID DISPENSING VALVE
Thomas L. Titus, Denver, Colo., assignor to The Wyott Manufacturing Company, Cheyenne, Wyo., a corporation of Wyoming
Application January 26, 1939, Serial No. 252,891
12 Claims. (Cl. 251—134)

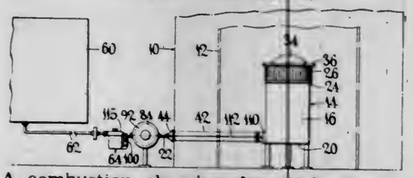
1. In a valve structure having a housing and

a valve therein and a valve-stem-bonnet projecting from the housing and a valve stem reciprocable within and projecting beyond the end of the bonnet, a lifting sleeve reciprocable on the



bonnet, a member engaging the stem beyond the end of the bonnet and lying partially in the path of movement of said lifting sleeve and means for actuating said lifting sleeve against said stem-engaging member whereby to lift the valve stem.

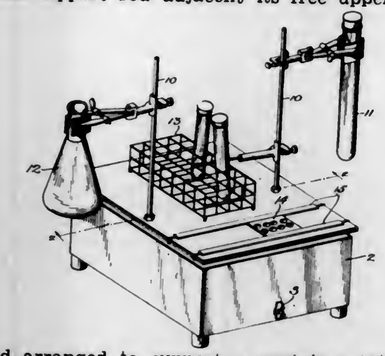
2,247,977
OIL BURNING APPARATUS
Clarence W. Uschold, Kenmore, and Robert E. Duffy, Buffalo, N. Y.
Application January 3, 1938, Serial No. 183,014
1 Claim. (Cl. 158—1)



A combustion chamber for oil burners comprising a hollow cylindrical body composed of a base section of imperforate wall form and having a fuel inlet adjacent the bottom thereof and a foraminous refractory section superposed thereon and a top plate superposed upon said refractory section and functioning as an end closure therefor, said top plate being formed with a dome shaped intermediate section and a marginal edge portion extending radially and outwardly from said refractory section in the form of a flange therearound to provide baffle means for controlling flow of combustion gases through the wall of said refractory section, said foraminous section being composed of a plurality of upright contiguous hollow tubular members formed of refractory material and having lateral openings through the tube wall portions thereof for allowing flow of combustion gases from the interior of said combustion chamber into the interior of said tube members and then outwardly thereof and under said top plate marginal edge flange portion.

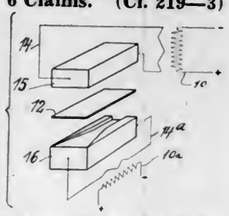
2,247,978
SHAKER
John L. Van Arkel, Haddonfield, N. J., assignor to Arthur H. Thomas Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 18, 1940, Serial No. 330,391
4 Claims. (Cl. 259—72)

1. In a device of the character described, a horizontal platform resiliently supported for relative freedom of movement, a shaft carried by said platform at the underside thereof, eccentric members secured upon said shaft, a plurality of relatively slender elongated support rods vertically disposed upon the platform and secured thereto at their lower ends only so that the remaining portions thereof are freely disposed above said platform, a bracket secured to each support rod adjacent its free upper ends



and arranged to support a container laterally adjacent such rods, and means for rotatively driving the shaft and its eccentric members to impart a gyratory shaking movement to the platform, the gyratory shaking movement of the platform in turn operating to impart a whip-like gyration to the free end portions of said support rods and the containers supported thereby.

2,247,979
METHOD AND APPARATUS FOR HOT SHAPING MAGNESIUM ALLOY PLATES
Walter Meinel von Tannenberg, Bremen, Germany, assignor to Leipziger Leichtmetall Werk Rackwitz, Bernhard Berghaus u. Co., Kom.-Ges., Rackwitz, near Leipzig, Germany
Application July 5, 1938, Serial No. 217,612
In Germany November 20, 1937
6 Claims. (Cl. 219—3)

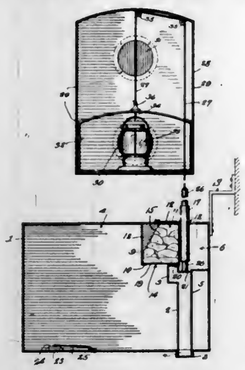


4. A process for the hot deformation of plates, particularly plates of magnesium alloys for aircraft construction by pressure and heat by means of dies relatively movable on the two sides of the plates to be deformed and of electric currents, comprising passing a separate current through each die member, creating an electric eddy field between said dies to heat said plate, said plate being formed in such manner that the direction of current is alternating and the force lines between the two conductors run in the same direction, and deforming said plate when the same is heated.

2,247,980
DANGER SIGNAL FOR BRIDGES
Clarence Willan Waldahl, Fort Worth, Tex.
Application March 19, 1940, Serial No. 324,861
3 Claims. (Cl. 116—118)

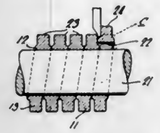
1. In a device for indicating rising water, a

casing having a partition defining a tank and a compartment, the casing having a water inlet for the tank, a receptacle in the tank and having an opening in its bottom, a leaky closure for the opening, hingedly mounted on the partition, the closure including an arm extended into the com-



partment, a weight movable in the compartment, a signal operatively connected with the weight, and material in the receptacle, said material being soluble in water and resting on the closure, to maintain the arm in the path of the downward movement of the weight.

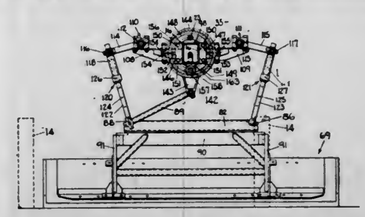
2,247,981
METHOD OF FORMING LOCK WASHERS
Chandler C. Washer, Merion, Pa., assignor to Philadelphia Steel and Wire Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 2, 1940, Serial No. 317,015
4 Claims. (Cl. 10—86)



1. The method of producing lock washers comprising providing a wire of keystone section the narrow end of which is defined at each of the converging faces by a rib projecting from said face and helically coiling the wire about a mandrel with the narrow end of the keystone juxtaposed to the mandrel while maintaining the pitch of the helix at an angle such that the rib of each newly laid coil bears against the rib of the previously laid coil to an extent such that the newly laid coil is moved axially by engagement of its rib with that of the previously laid coil prior to engagement of the inner surface of the wire with the mandrel and finally severing the individual coils to produce washers.

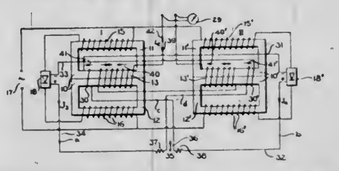
2,247,982
ROAD GRADER
Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application December 20, 1939, Serial No. 310,153
17 Claims. (Cl. 37—156)

7. In a road grader, the combination with a vehicle frame, of a drawbar connected thereto, a road working implement carried by said drawbar, means comprising hangers supported by said vehicle frame and spaced laterally from the sides thereof for supporting said drawbar from said frame and for adjustment relative thereto, laterally shifting mechanism between said vehicle frame and said drawbar comprising a ring guided around said vehicle frame on a longitudinal axis



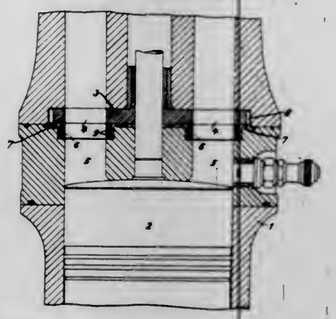
spaced from said hangers and having a radial arm connected by a link to one side of the free end portion of said drawbar, said supporting means being separate from said laterally shifting mechanism, and means for actuating said hangers individually on longitudinal axes each spaced apart from the axis of rotation of said ring.

2,247,983
AMPLIFYING APPARATUS
Gustav Barth, Berlin, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application March 6, 1940, Serial No. 322,635
In Germany December 24, 1938
12 Claims. (Cl. 179—171)



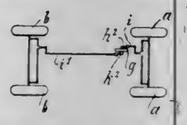
1. A magnetic amplifier comprising a first magnetizable core carrying a first winding and a second winding connected in series opposed relation, a second magnetizable core carrying a first winding and a second winding in series opposed relation, a source of alternating current connected to energize the first and second windings on each of said two cores, a direct current input circuit including a third winding on said first core and a third winding on said second core, the third winding of one core being connected in aiding relation with the third winding of the other core, a fourth winding on said first core and a fourth winding on said second core, said fourth windings being wound in opposed relation, a pair of rectifiers, a first output circuit including the first and second windings of the first core, the fourth winding of the second core and one of said rectifiers, whereby the alternating current in the first and second windings of the first core is rectified and then caused to flow as a direct current in the fourth winding of the second core, a second output circuit including the first and second windings of the second core, the fourth winding of the first core and the other of said rectifiers, whereby the alternating current in the first and second windings of the second core is rectified and then caused to flow in the fourth winding of the first core, and a consuming device connected to be differentially energized by the two output circuits.

2,247,984
PACKING FOR ROTARY VALVES IN INTERNAL COMBUSTION ENGINES
Wolf - Dietrich Bensinger, Berlin - Adlershof, Rohdolf Jansen, Berlin-Johannisthal, and Otto Wetzold, Berlin-Adlershof, Germany
Application June 2, 1939, Serial No. 277,102
In Germany May 20, 1938
7 Claims. (Cl. 123—80)



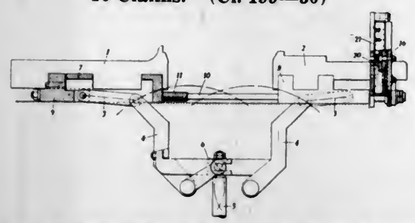
1. Packing for internal combustion engines having rotary disk valves, comprising packing rings on the side of the valve facing the combustion chamber and arranged around the inlet and outlet ports in the casing, the under surfaces of said packing rings constituting their greatest cross section, the entire said under surface being subjected to the internal pressure of the combustion chamber, said packing rings being mounted in said casing in readily rotatable relation, the upper surface of each packing ring which faces the valve and turns in contact with it, consisting of at least two relatively inclined surfaces, their inclination with respect to the axis of rotation of the packing rings being so arranged that they come successively into contact with the rotary disk valve according to the temperature to which the packing device is expanded by heat.

2,247,985
CONTROL GEAR FOR MOTOR VEHICLES WITH FOUR WHEEL STEERING ARRANGEMENT
Carl Borgward, Bremen, Germany
Application July 1, 1939, Serial No. 282,545
In Germany December 17, 1936
5 Claims. (Cl. 280—91)



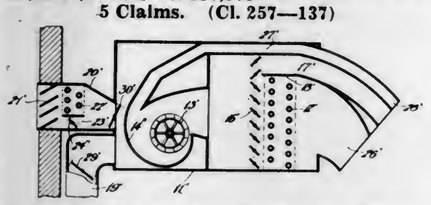
1. Four-wheel steering gear for motor vehicles in which the front wheels are first adjusted and then the rear wheels are also adjusted for additional veering, comprising in combination a main steering lever, a front wheel steering lever, a rear wheel steering lever, an abutment in the path of movement of said front wheel steering lever, and coupling mechanism between said main steering lever and said front and rear wheel steering levers adapted to first engage and swing said front wheel steering lever into contact with said abutment for negotiating relatively wide curves and thereinafter to disengage from said front wheel steering lever and engage and swing said rear wheel lever for negotiating sharper curves.

2,247,986
TYPOGRAPHICAL SLUG CASTING MACHINE
Hermann Brandenburg, Berlin-Tempelhof, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York
Application May 3, 1940, Serial No. 333,087
In Germany May 15, 1939
10 Claims. (Cl. 199—50)



1. In a slug casting machine of the kind referred to the combination of a pair of line-clamping vise jaws, mechanism for adjusting said jaws relatively to one another for quadding and centering, a rotary adjusting rod in screw threaded engagement with one of said jaws and means for rotating said rod to effect separate adjustment of said jaw, said means including a rotatable element telescopically connected to the rod.

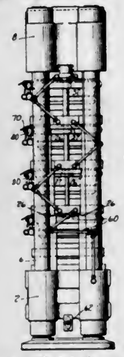
2,247,987
APPARATUS FOR HEATING AND VENTILATING
Clifford C. Carson, St. Louis, Mo.
Original application May 21, 1931, Serial No. 539,062. Divided and this application March 12, 1937, Serial No. 130,575
5 Claims. (Cl. 257—137)



1. A combined unit heater and ventilator comprising, in combination, a casing; a fan within the casing; a heat exchange element in the casing; an air intake duct leading outside of the enclosure to be heated and ventilated; a heat transfer element in said duct; a second air intake opening adapted to admit room air to the casing; a discharge duct for the heated air; a wide nozzle above said discharge duct; a conduit leading from the fan to the nozzle so arranged as to discharge cold air at a high velocity above the heated air; and a damper-controlled by-pass in said casing around said heat transfer element connected to direct a wide stream of by-passed air between the relatively heated air stream and the air stream issuing from said nozzle.

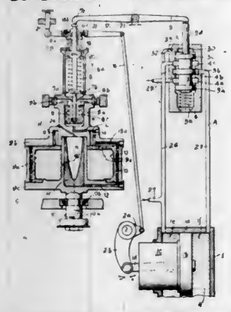
2,247,988
AUTOMATIC FILTERING PRESS
Fred S. Carver, Short Hills, N. J.
Application April 27, 1937, Serial No. 139,215
1 Claim. (Cl. 100—50)

A press comprising a coaxial series of platens, a filter plate mounted on one face of each platen, and on the other face a plunger, a filter plate mounted on its face, container rings between the several platens and coaxial therewith, said container rings telescoping over the said plungers and forming press chambers within the said rings and between the said filter plates, means normally tending to force said rings outwardly along said plungers to expanded relation, stop means preventing said rings from being taken past telescoping relationship with said plungers, means for telescoping said rings over said plungers, means for forcing said platens toward each other to diminish the said press chambers and press out liquids from solids in material to be pressed contained within the press chambers, a



stationary feed manifold for supplying fluid material to be pressed, individual feed lines from the said manifold to the several container rings communicating through the ring walls with the press chambers and traveling with the rings in their axial movements, check valves in the several feed lines, a master feed control valve for all the press chambers being provided in the common manifold portion of the feed line and individual valve control means being provided for individually forcing open the several check valves to avoid the clogging of any of them.

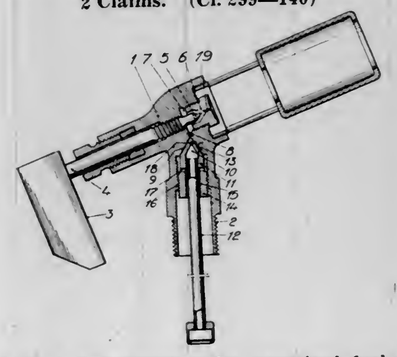
2,247,989
MOTOR SPEED GOVERNOR
Alberto Cita, Milan, Italy
Application March 21, 1939, Serial No. 263,206
In Italy January 17, 1939
15 Claims. (Cl. 264—6)



1. Motor governing apparatus adapted to act through suitable motor regulating mechanism for governing the speed of the motor under the combined control of its rotary speed and its acceleration, positive or negative, such apparatus comprising a motor-rotated governor formed with a primary chamber containing a relatively heavy liquid subject to centrifugal force developing a liquid pressure varying with the motor speed, and with a secondary chamber containing a relatively light liquid and having a pressure responsive instrument connected for operation of such regulating mechanism, and with passages communicating between said two chambers, said intercommunicating chambers and passages being as a whole closed against loss of liquid; said passages including a compartment into which the heavy liquid extends from said primary chamber and the light liquid extends from said secondary chamber with the two liquids in pressure-communicating relation in said compartment, and said passages including also a circumferential conduit between the primary chamber and said compartment and filled with the heavy liquid and wherein angular accelerations due to changes of rotary speed cause modifications of the centrifugally produced pressure of such liquid; whereby the heavy liquid pressure so determined jointly by the motor speed and by such angular accelerations is communicated through the light liquid to the secondary chamber to act through said responsive instrument and regulating mechanism to govern the motor operation.

11. Motor governing apparatus adapted to act through suitable motor regulating mechanism for governing the speed of the motor under control of its rotary speed, such apparatus comprising a motor-rotated governor formed with a primary chamber containing a relatively heavy liquid subject to centrifugal force developing a liquid pressure varying with the motor speed, and with a secondary chamber containing a relatively light liquid and having a pressure-responsive instrument connected for operation of such regulating mechanism, and with passages communicating between said two chambers, including a whirling annular compartment into which the heavy liquid extends with uptrend from said primary chamber and into which the light liquid extends from said secondary chamber with the two liquids in mutual contact in said compartment, whereby the heavy liquid pressure determined by the motor speed is communicated through the light liquid to the secondary chamber to act through said responsive instrument and regulating mechanism to govern the motor operation.

2,247,990
BURNER FOR FINELY DISTRIBUTED FUEL
Teodor Viktor Dahlgren, Djursholm, and Sivan Julius Caristedt, Stockholm, Sweden
Application September 1, 1938, Serial No. 227,948
In Sweden June 4, 1938
2 Claims. (Cl. 299—140)



1. In a fuel atomizer for vaporized fuel supplied under pressure, a body, a mixing chamber and a conical recess in said body, a bore at the

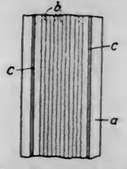
point of said conical recess connecting said recess with said mixing chamber, fuel feeding means, said fuel feeding means provided with a hollow end piece, said end piece having a conical outer surface corresponding in shape with and tightly fitting inserted in said conical recess, at least one groove in the conical surface of said end piece extending in the direction of the generatrix to the apex of said conical surface, means for feeding compressed air or gas to said groove, and an aperture in the wall of said hollow end piece, said aperture provided at the apex of said conical outer surface connecting the inner hollow part of said end piece with said groove, the geometrical axis of said aperture forming an acute angle with the respective groove, the point of said acute angle being directed towards the point of said conical surface.

2,247,991

METHOD OF DUPLICATING SOUND RECORDS

Karl Daniel, Cologne-Sulz, Germany, assignor to Tefi-Apparatebau Dr. Daniel K.-G., Cologne, Germany

Application June 21, 1938, Serial No. 214,927
In Germany June 26, 1937
7 Claims. (Cl. 18—48.3)



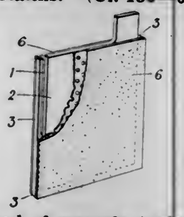
1. In a method of duplicating sound records produced by the needle sound recording method, the steps of: forming grooves on an original sound record carrier; preparing a matrix from said original, said matrix having ridges corresponding to said grooves; passing said matrix together with a blank, on which the sound records are to be reproduced, between two pressing rollers; and using said ridges to guide said matrix during the pressing operation.

2,247,992

ELECTRODE OF SECONDARY BATTERIES

Horace De Martis and Sydney James Clark, New Malden, England

Application January 18, 1939, Serial No. 251,604
In Great Britain January 18, 1938
5 Claims. (Cl. 136—63)



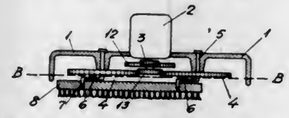
1. In a method of manufacturing a secondary battery unit wherein an electrode is held in an envelope having rigid sides and soft rubber edges, consisting in locating a spacing body against an edge of said electrode and locating said electrode and said body between said sides, each side having a greater superficial area than the total superficial area of the electrode and the spacing body whereby overhanging marginal portions are provided adjacent the edges of the electrode, locating soft rubber strips between said overhanging portions, subjecting the assembled parts to vulcanizing heat and to pressure, with the heat vulcanizing said soft rubber strips, and finally effecting removal of said spacing body.

2,247,993

SURFACE WORKING APPARATUS

Peder Andersen Fisker, Copenhagen, Denmark, assignor to A/S Fisker & Nielsen, Copenhagen, Denmark

Application October 20, 1938, Serial No. 236,074
In Denmark October 22, 1937
3 Claims. (Cl. 15—49)



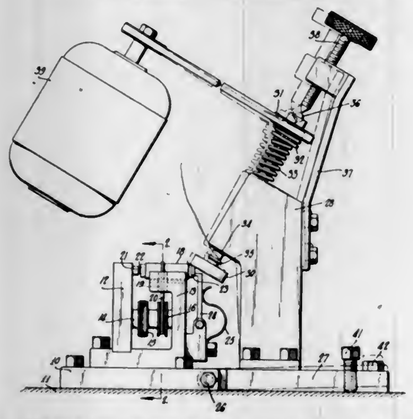
1. A machine for polishing or grinding floors and similar surfaces comprising a frame, at least one pair of oppositely arranged working implements movable in relation to the frame, means for driving each of the implements including multiple driving crank members driving each implement, and arranged in such a manner that the longitudinal axis between the connecting points of the implement to the cranks remains parallel to a line intersecting the crank axes and perpendicular thereto.

2,247,994

LAPPING MACHINE

Max George Fiedler, Media, Pa., assignor to Fiedler-Sellers Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application June 13, 1940, Serial No. 340,353
2 Claims. (Cl. 51—129)



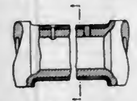
1. Means for lapping the conical faces of valve members having cylindrical shanks, comprising a rest having a V-shaped notch for the reception of the cylindrical shank of the member, a bearing to engage the end of the shank, a shaft paralleling the notch, a standard pivoted to the rest in opposition to the conical end of a supported valve element, means to adjust the standard about the pivot thereof, a second shaft rotatably and longitudinally adjustably mounted in the standard and bearing a lapping tool to engage said conical end, a spring to shift the second shaft in a direction withdrawing the lapping tool from the conical member, an adjustable stop engaging the shaft to determine the operative position thereof, means to rotate said shafts and a frictional driving connection between the first-named shaft and the cylindrical portion of the valve member.

2,247,995

ANTIFRICTION JOURNAL BEARING

Ernst Glibert, Berlin-Oberschoneweide, Germany

Application November 4, 1937, Serial No. 172,825
In Germany November 9, 1936
3 Claims. (Cl. 308—238)



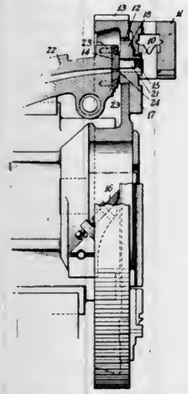
1. In a machine shaft, a journal consisting of a peripherally enveloping layer of initially moldable synthetic resin fixed on said shaft, said layer presenting externally a smooth cylindrical anti-friction surface and including an internal reenforcement comprising a continuous strip of non-moldable porous material.

2,247,996

SLUG CASTING MACHINE

Chauncey H. Griffith, New York, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York

Application June 28, 1939, Serial No. 281,513
17 Claims. (Cl. 199—47)



1. In a slug casting machine, the combination of a slotted mold of the kind adapted to cast a ribbed slug, and a metal pot having a mouthpiece to contact the rear face of the mold, said mouthpiece being formed in its mold contacting face with a nonventing recess to produce on the ribbed portion of the slug lugs which project beyond the rear face of the mold.

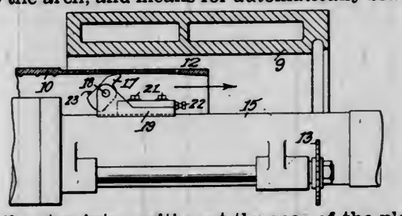
2,247,997

FINISHING MACHINE PLATE STOP

Leslie John Griner and Albert Chester Chagnot, Youngstown, Ohio, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Application July 12, 1938, Serial No. 218,793
6 Claims. (Cl. 29—21)

1. The combination with a stereotype plate finishing machine provided with an arch for receiving the plate to be finished and a knife bar, of a movable stop mounted on the bar in the arch beneath the plate and adapted to contact the inner surface of the plate while it is being moved into the arch, and means for automatically bringing the stop into position at the rear of the plate to prevent the movement of the plate back beyond the stop.

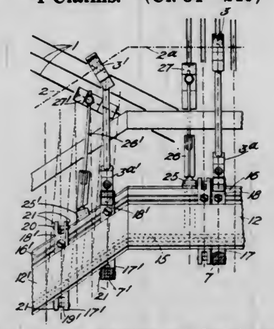


2,247,998

PIANO ACTION

Arthur Edward Healey, Camden Town, London, England, assignor to Herrburger, Brooks, Limited, Camden Town, London, England, a company of Great Britain

Application August 14, 1939, Serial No. 289,996
In Great Britain November 24, 1938
4 Claims. (Cl. 84—240)



1. For a piano having at least one series of strings which lie side by side in a single plane and a series of hammers adapted to engage the said strings along a strike-line which is inclined to the keyboard, an action comprising a rail member longitudinally inclined substantially to follow the inclination of the said strike line and presenting at least one longitudinal seating face which is also transversely inclined towards the plane of the said strings, a plurality of pivotal action parts, and flanges mounted on the said seating face of the rail member, the said flanges each having a prong formation which is constructed for the pivotal mounting of one of the said action parts and has side faces formed to meet opposite side faces of the flange at an angle other than a right-angle, the pivotal axis of said action part being disposed at right-angles to the first-mentioned side faces and said angle being such that the said pivotal axis lies substantially parallel with the plane of the said strings and substantially parallel with the said keyboard.

2,247,999

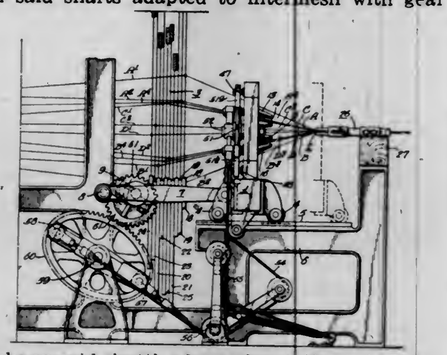
SHUTTLE MOTION FOR NARROW FABRIC LOOMS

George Holden, Philadelphia, Pa., assignor of one-third to Jules Bloch and one-third to John E. Fite, Jr., both of Philadelphia, Pa.

Application January 31, 1940, Serial No. 316,666
13 Claims. (Cl. 139—22)

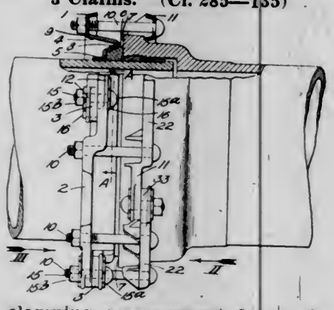
1. In a loom, a lay, vertically spaced horizontal

guides pivotally supported by said lay, shuttles reciprocably mounted in said guides, vertical shafts rotatably mounted on said lay, and gears on said shafts adapted to intermesh with gear



racks on said shuttles for reciprocating said shuttles in said guides, with one series of said shafts operating one series of said shuttles and a second series of said shafts operating a second series of said shuttles.

2,248,000
CLAMPING ARRANGEMENT FOR PIPE JOINTS
Percy Graham Johnson, London, England, assignor to Victaulic Company Limited, Millbank, London, England, a company of Great Britain
Application October 23, 1939, Serial No. 300,857
In Great Britain November 22, 1938
3 Claims. (Cl. 285—135)

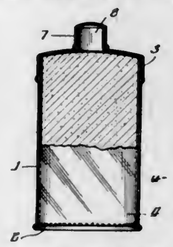


1. A clamping arrangement for a pipe joint, comprising collar and flange elements adapted for engagement with the respective pipes and for being drawn together axially of the pipes to compress a packing for the joint, one of said elements being segmentally divided, and means for connecting the segments of such element together circumferentially thereof, said connecting means between at least two adjacent segments comprising an eccentric or cam-action device including an eccentric or cam-shaped bush, operative between the adjacent ends of said two segments and operative on rotation to move these two segments away from each other to increase the total circumferential length of the element and to move them towards each other to decrease said circumferential length

---

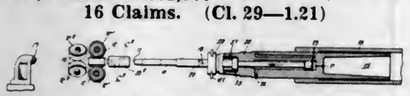
2,248,001
NONREFILLABLE PASTE CONTAINER
Carl R. Klok, Tipler, Wis.
Application April 21, 1939, Serial No. 269,099
5 Claims. (Cl. 221—78)

3. A container for paste or the like, comprising an upright hollow body of fixed form and shape, having the entire bottom thereof left open, a bag of thin flexible material containing the paste and conforming entirely to the inner surface of the side walls of said body, when the container is filled with paste, whereby the capacity of the bag is practically the same as the capacity of said body, and so that only the bottom of the bag



is subject to pressure through said open bottom, the construction thereby utilizing practically the entire interior capacity of said body for the paste, and means on the upper end of said body and thereby adjacent to the upper end of said bag or sack for discharging the paste when pressure is exerted against the lower end of the bag, said bag having a disk of relatively stiff material at the bottom thereof, to receive said pressure.

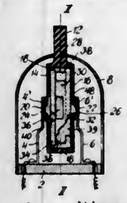
2,248,002
APPARATUS FOR FINISHING FORGINGS
Le Roy Layton, Lansdowne, Pa., assignor to Lansdowne Steel & Iron Company, Morton, Pa., a corporation of Pennsylvania
Original application October 12, 1938, Serial No. 234,713. Divided and this application May 3, 1939, Serial No. 271,570
16 Claims. (Cl. 29—1.21)



1. Apparatus for use in making hollow forgings, comprising a tool for finishing the interior of the forging, means axially aligned with said tool for radially contracting the forging about said tool, means for advancing said tool into a preformed cavity in said forging at a relatively high rate of speed, means for advancing said tool and the forging through said contracting means at a relatively lower rate of speed, said high speed means being carried by said low speed means for relative movement with respect thereto and for concurrent movement therewith, and means for locking said high speed means and said low speed means together for said concurrent movement.

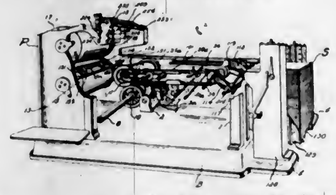
2,248,003
MERCURY SWITCH
Alrik Civer Lindström, Stockholm, Sweden
Application August 26, 1939, Serial No. 292,146
In Sweden August 30, 1938
9 Claims. (Cl. 200—152)

1. A tiltable mercury switch comprising, a receptacle mounted for rocking movement between two end positions, two electrodes on said receptacle, a mercury mass in contact with said electrodes in said receptacle, an insulating wall between each of the electrodes and a space in the receptacle, a further insulating wall extending between the first-mentioned walls and dividing the space in the receptacle into an inner space and an outer space surrounding the inner space, said last-mentioned dividing wall having an aperture therein adapted on the rocking movement of the receptacle to be located above the mercury level in one end position of the switch and underneath the mercury level in the other position of the switch, each of the first-mentioned walls having an aperture therein located underneath the



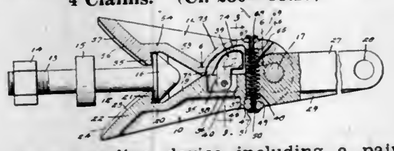
mercury level in both positions of the switch and underneath a horizontal plane passing through the axis of rotation of the receptacle providing communication between one electrode and said inner space and between the other electrode and said outer space, and means holding the electrodes adjacent the ends of the receptacle.

2,248,004
PRINTING PRESS AND SHEET-CONTROLLING MECHANISM THEREFOR
Morris Lipton, Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application January 10, 1939, Serial No. 250,115
17 Claims. (Cl. 271—46)



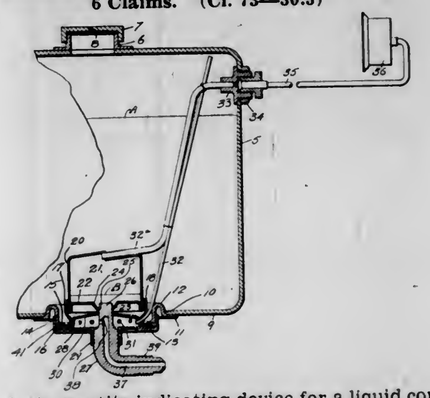
1. Mechanism for feeding sheets toward an assembly comprising a pair of cylinders, said mechanism comprising endless chains disposed, respectively, in parallel vertical planes and having their upper spans extending substantially horizontally toward said cylinders, means on which said chains are mounted, means for operating said chains, means carried by said chains for engagement with the rear surface of each sheet whereby sheets are fed in succession toward said cylinders, and means for decreasing the speed of said last named means as it comes into sheet-engaging position.

2,248,005
AUTOMATIC COUPLING DEVICE
Theodore Richard Lyman, Great Falls, Mont., assignor of sixty per cent to A. D. Rieder, Neihart, Mont.
Application November 6, 1940, Serial No. 364,576
4 Claims. (Cl. 280—33.15)



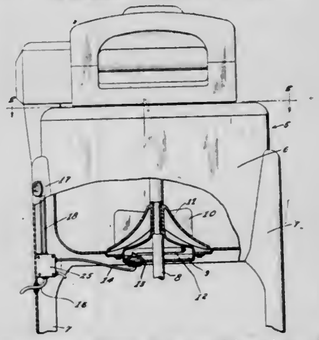
1. In a coupling device including a pair of pivoted coupling jaws, a combined jaw locking and opening dog, means pivotally mounting said dog in one of said jaws, a keeper carried by the other jaw engageable with said dog in one position of the latter for locking the jaws together, correlated means carried by said one jaw and said dog for holding said jaws in open position when said dog is in another position, and a manual operator connected with said dog.

2,248,006
QUANTITY INDICATOR FOR LIQUIDS
James Maccallum, Jr., St. Louis, Mo.
Application May 27, 1920, Serial No. 384,632
6 Claims. (Cl. 73—30.3)



1. A quantity indicating device for a liquid container comprising an air pressure chamber having a perforated bottom, said chamber being located in and communicating with the liquid at the full depth to be measured, means through which liquid may be withdrawn from a place beneath said chamber, means for restricting the replacement of liquid from said container to said place thereby creating a partial vacuum thereat during the withdrawal of liquid, means for conducting air to said place as a result of the vacuum thereat, the air upon cessation of the liquid flow being transferred to the chamber, a gauge located without the container, and a pipe connection between the air pressure chamber and the gauge.

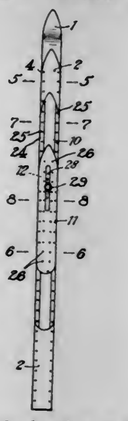
2,248,007
HEATING DEVICE FOR WASHING MACHINES
Dorothy J. Michaels, Sault Ste. Marie, Mich.
Application August 12, 1940, Serial No. 352,331
1 Claim. (Cl. 219—38)



In a heating device, the combination of a washing machine including a tub having an offset in

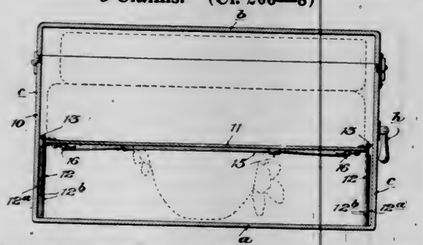
the bottom wall thereof and provided with a shaft opening to rotatably receive a shaft carrying an agitator supported by said offset and hollow legs supporting the tub, a cover plate removably secured on the tub and closing the offset and coacting therewith in providing a heat chamber, a fitting carried by said cover plate, an electric heating element supported by said fitting within the chamber, an electric junction box mounted in one of the legs, means electrically connecting the junction box to the heater, and a thermostatic control electrically connected to said junction box and supported by the latter-named leg in contact with the tub for the control of the heater.

2,248,008
SKI WITH ANTISLIP MEANS
Erich Miesen, Berlin-Charlottenburg, Germany
Application May 15, 1939, Serial No. 273,789
In Germany May 19, 1938
13 Claims. (Cl. 280—11.13)



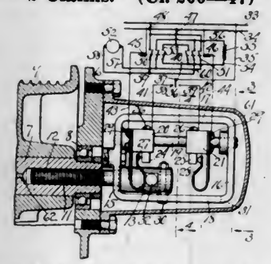
1. In a ski, a body having a transverse aperture in the lower surface thereof, anti-slip means comprising a block mounted to slide vertically in the aperture in the ski and making a tight fit in such aperture and completely closing the aperture at all times, and manually operated means for extending and retracting the block with respect to the aperture.

2,248,009
HATBOX PARTITION
Edward B. Morgan, Mount Airy, Pa.
Application June 30, 1939, Serial No. 282,283
3 Claims. (Cl. 206—8)



1. A partitioning means for use in combination with a piece of luggage, such as ladies' hat boxes, and insertable into and removable therefrom, said partitioning means comprising a table-like partition having a relative flat member insertable and removable from the interior of the hat box and having a perimetal contour conforming to the interior contour of the hat box, and leg members at edge portions of said member and extending at substantially right angles thereto for spacing said member from a wall of the hat box to divide the hat box into two compartments, the compartment under the table being definitely spaced by said legs to receive hats and maintain them against being crushed, the other compartment on the top side of the table receiving other articles, which when packed will maintain said partition in position in the hat box, said table when in reverse position will lie flat against a wall of the hat box, said legs being hingedly mounted for a movement of approximately 270° whereby the legs may be moved to lie parallel with the partitioning member on one side thereof and to a position at right angles to said member on the other side thereof, said legs being held against collapsing by the side walls of the hat box, when in their said right angle position and the partitioning means is inserted in said hat box.

2,248,010
AUTOMATIC CIRCUIT CONTROLLER
Russell E. Nelles, South Orange, N. J., assignor to The Union Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application March 9, 1939, Serial No. 260,769
2 Claims. (Cl. 200—47)



1. In a limit switch construction of the character described, a non-rotatable supporting member, a rotatable member having a threaded socket therein journaled in said supporting member, a shaft threaded in said socket with a switch actuating head on the projecting end thereof, a member rigidly mounted in said supporting member and wherein said rigidly mounted member includes a substantially rectangular frame with the switch actuating head located within said frame and wherein there are cooperative means including a pin carried by the switch actuating head extending into a slotted opening formed in one side of said rectangular frame.

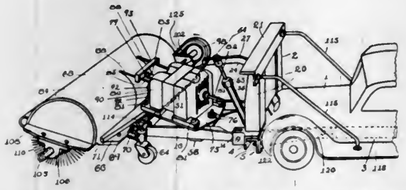
2,248,011
CONTAINER COVER
Franz Neuschaefer, Rye, N. Y.
Application January 10, 1941, Serial No. 373,899
7 Claims. (Cl. 132—78.5)

1. In combination, a bottle closure comprising a body portion, means on the interior of said portion for detachably engaging the outlet portion of a bottle in sealing relationship thereto, an applicator having its upper end secured within the interior of said body portion, whereby the lower portions of the applicator are suspended in the bottle when the closure is applied thereto, and a handle portion extending upwardly from said body portion, said handle portion comprising three fins extending divergently outwardly from a generally vertical and central axis of the handle portion, whereby each side of each fin is adapted to engage the user's thumb or a finger, when the ends of two fingers and of the thumb of the user's hand are brought together in a triangular formation with the fins



therebetween said handle portion also being constructed and arranged with sufficient weight to at least counterbalance the applicator when said body portion is resting on its side, to elevate the applicator out of contact with the supporting surface, while two of said fins contact with said surface and prevent the device from rolling.

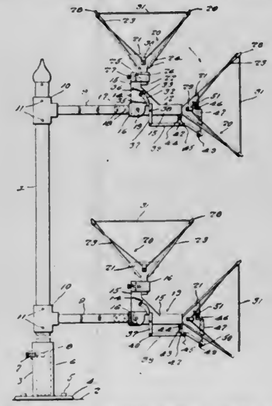
2,248,012
ROAD SWEEPER
James D. Phillips, Oriskany, N. Y.
Application May 8, 1939, Serial No. 272,301
2 Claims. (Cl. 15—82)



1. In a road sweeper, a frame detachably connected to said sweeper, said frame comprising a base bar, upright bars mounted on said base bar, another cross bar supported on top of said upright bars, a lever pivotally mounted to said last named cross bar, a hydraulic cylinder connected to said lever, other bars pivotally connected to said base bar, a cross bar carried by said last named bars, an adjutsable means mounted on said cross bar, whereby to control the angle of said sweeper relative to said frame and a chain connecting said other bars with said lever.

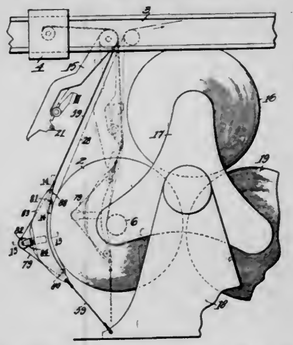
2,248,013
TRAIN ORDER DELIVERER
Bernard V. Robbins, Cayuga, Ind.
Application July 18, 1939, Serial No. 285,142
2 Claims. (Cl. 258—2)

2. Apparatus for delivering train orders comprising a post, an arm fixed to and extending laterally from said post, a pair of train order holders at the outer end of said arm spaced apart in 90° angular relation and each including a pair of outwardly divergent bars, means to mount said holders on the outer end of said arm for gravitational swinging movement in a vertical plane from a normal position and including a carrier pivoted on said arm, said pair of holders in said normal position extending forwardly of said arm and upwardly therefrom, respectively, a pair of order holding loops one detachably attached to each of said holders and held open by said bars, latch mechanism pivoted on said carrier coacting with said arm for retaining said holders in normal position comprising a dog, a



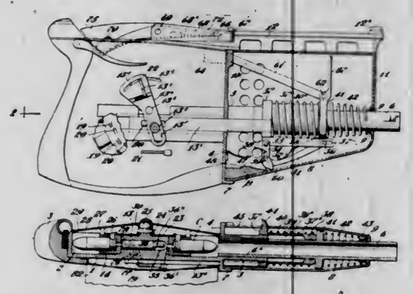
latching dog spring tensioned toward unlatching position, trip mechanism for holding said dog in latching position including a tripping lever, and means to lock said lever in holding position comprising a crank shaft rotatably mounted on one of said order holders for operation into and out of locking position relative to said lever and having an operating crank swingable into the loop on said holder for operation by said loop as an incident to detachment of the same.

2,248,014
TENSION REGULATOR
Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application January 21, 1939, Serial No. 252,093
8 Claims. (Cl. 242—75)



6. In a tension device, the combination of a tension regulating strap anchored at one end and wound up on the other end, in accordance with the changing diameter of the web roll which it controls, with a running belt inserted in the strap and kept in contact with the running web roll, said running belt being set in motion by the web roll.

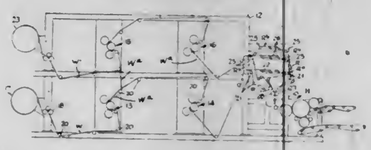
2,248,015
FIREARM
George C. Whiting, Hingham, Mass., assignor to Julian D. Rosenberg, New York, N. Y.
Application December 24, 1938, Serial No. 247,591
12 Claims. (Cl. 89—3)



1. A firearm having a movable cartridge holder provided with a plurality of chambers, each of such depth that a portion of the case of a cartridge seated in the chamber protrudes from the holder, an axially movable barrel whose breach end houses the protruding portion of the cartridge case at firing, means responsive to firing for moving the barrel forwardly thereby to release the cartridge case from the breech of the barrel, means tending to return the barrel to firing position, means operative to move the holder thereby to place a fresh cartridge in firing position, and means operative temporarily to hold the barrel in forward position while the holder is being so moved.

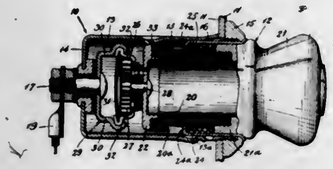
7. A firearm of the class described including a barrel and firing mechanism, an elongate, longitudinally movable sear, a rigid rotary plug disposed in the path of movement of the sear, said plug having a passage therein which, when it is aligned with the sear, permits movement of the latter transversely of the plug, a safety guard, and means so connecting the guard to the plug that only when the guard is in firing position is the passage in the plug aligned with the sear.

2,248,016
FOLDING MECHANISM
Adolph M. Zuckerman, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application October 25, 1939, Serial No. 301,293
20 Claims. (Cl. 270—64)



1. In a folding mechanism, cooperable rotatable cylinders, separate independently operable components operably supported by separate longitudinal sections of certain of the cylinders to produce different products on the separate sections of the same cylinders, and cooperable nipping rollers for feeding separate webs to the separate sections of the cylinders, one of the nipping rollers having separate longitudinal sections, one section being independently operable relative to the other.

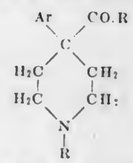
2,248,017
CIGAR LIGHTER
Joseph H. Cohen, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application January 22, 1937, Serial No. 121,761
15 Claims. (Cl. 219—32)



1. In an electric cigar lighter, a holding device; an igniting unit having a heating element supported by the holding device and completely removable therefrom for use; a movable contact mounted on the igniting unit for movement into a position in which a circuit is closed to the heating element; and an elongate deformable heat-responsive member having a contact secured thereto normally out of the path of the movable contact, said deformable member being mounted so as to assume a buckled or curved position in either of two directions and actuated, upon movement of the movable contact, into closed-circuit position to buckle and move the contact carried thereby into engagement with the movable contact to establish the energizing circuit to the heating element, the heat-responsive means, upon being heated to a predetermined heat, deforming and buckling in the opposite direction to move the contact carried thereby out of engagement with the movable contact to control the circuit to the heating element.

2,248,018
4-ARYL-PIPERIDINE-KETONES AND A PROCESS OF PREPARING THEM
Otto Eisleb, Hofheim in Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 6, 1940, Serial No. 328,373. In Germany March 30, 1939
10 Claims. (Cl. 260—293)

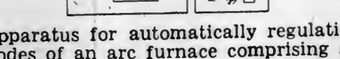
5. The products of the following formula



wherein Ar stands for aryl and R stands for a hydrocarbon radical.

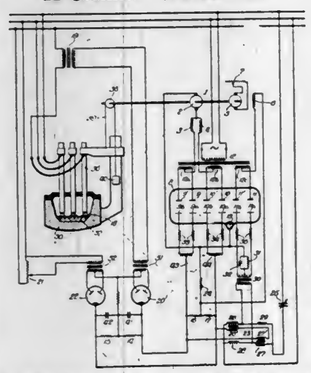
2,248,019
PROCESS OF MANUFACTURE OF STILBOESTROL AND RELATED COMPOUNDS
Louis F. Fieser, Cambridge, Mass., and Walter G. Christiansen, Glen Ridge, N. J.; said Christiansen assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application May 17, 1940, Serial No. 335,820
7 Claims. (Cl. 260—613)

1. The method of preparing a compound of the general formula HO—C_6H_4—C(lower alkyl)=C(lower alkyl)—C_6H_4—OH, which comprises reacting a compound of the general formula



with a Grignard reagent prepared from a compound of the general formula halogen—C_6H_4—O—(lower alkyl), reacting the resulting carbinol with a dehydrating agent, and reacting the dehydration product with a de-alkylating agent.

2,248,020
ARC FURNACE AND, MORE SPECIFICALLY, TO MEANS FOR AUTOMATICALLY CONTROLLING
Klaus Freudenhammer, Berlin-Charlottenburg, Germany, assignor to Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany, a corporation of Germany
Application July 6, 1939, Serial No. 283,039
In Germany July 13, 1938
11 Claims. (Cl. 13—13)



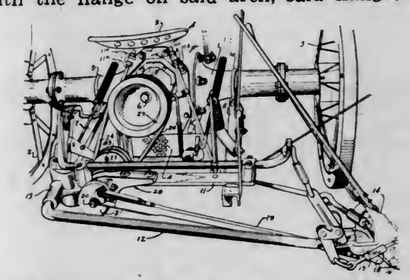
1. An apparatus for automatically regulating the electrodes of an arc furnace comprising an electric motor for adjusting the position of the electrodes, two windings for said motor for causing it to rotate in opposite directions, respectively, means including two grid controlled rectifier elements for supplying direct current to said windings, respectively, means for simultaneously placing opposite potentials on the grids of said elements, and means governed by the relation between the arc resistance and a known resistance with which it is compared for determining which element has a positive grid at any instant.

2,248,021
CERAMIC COLORING AGENT
Charles G. Geary, Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 29, 1938, Serial No. 222,065
9 Claims. (Cl. 106—302)

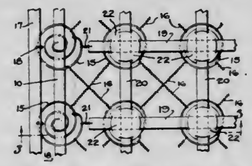
7. A black ceramic pigment consisting essentially of a compound of copper and chromium having a chromium to copper molecular ratio falling within the range 1.5:1 to 2.5:1.

2,248,022
MOWER
Gerald Geraldson, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application June 5, 1939, Serial No. 277,386
6 Claims. (Cl. 56—25)

1. In a power mower a lower frame element including an arched member, a flange extending downwardly beneath said arched member at one side thereof, a crank shaft bearing extending through said arch, a crank shaft in said bearing and having a belt pulley on one end, a crank on said shaft and a pitman extending from said crank, a flange on said bearing and engaged with the flange on said arch, said flanges extending in a direction normal to the pitman in its median position, means for clamping said flanges together and means for adjusting said bearing in a belt tightening direction when said flanges are unclamped, the disposition of said flanges providing for such movement while maintaining a satisfactory relation between said crank and pitman.



2,248,023
BEDSPRING
Edward S. Goldberg, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 14, 1938, Serial No. 245,574
1 Claim. (Cl. 5—230)



A spring structure comprising a pair of vertically spaced frames, a plurality of coiled springs supported between said frames and arranged in transversely and longitudinally extending spaced parallel rows with the axes of said springs in substantial parallelism, a flat straight metal strap extending along each transverse row of springs, a flat straight metal strap extending along each longitudinal row of springs, all of said straps being yieldingly fastened at their extremities to the uppermost one of said vertically spaced frames, the transversely extending straps intersecting the longitudinally extending straps at points substantially coincident with the axes of said coiled springs, and a metal disc disposed coaxially with respect to and centrally within the uppermost convolution of each coiled spring, each of said discs having a substantially flat imperforate central portion disposed substantially in the plane of the uppermost convolution of each coiled spring and integrally formed circumferentially spaced portions offset below the plane of said flat central portion providing two sets of laterally spaced parallel slots, the slots of one set being disposed substantially at right angles to the slots of the other set, the straps extending in one direction being respectively threaded beneath the uppermost convolutions of said coiled springs and through corresponding sets of slots in said discs

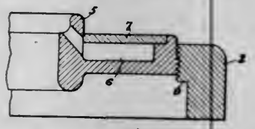
and the straps extending in the other direction being respectively threaded above said uppermost convolutions and through the remaining sets of slots in said discs, the arrangement being such that said discs substantially close the normally open upper ends of said springs and together with said intersecting straps restrain said upper ends of the springs against lateral displacement.

2,248,024

SPINNING AND TWISTER RING

George Goodchild, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine

Application October 31, 1939, Serial No. 302,102
5 Claims. (Cl. 57—119)



1. A spinning ring structure comprising a ring holder adapted to be secured to a ring rail and a ring mounted in said holder, the outer peripheral edge of said ring being screw-threaded the holder having a cooperating screw-threaded portion to receive the threaded edge of said ring, said holder being split transversely, and means cooperating with the split section of said holder to contract it upon said ring and thereby to secure the ring in its various positions of adjustment.

2,248,025

PIGMENTED RUBBER HYDROHALIDES

James B. Holden, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Original application February 8, 1936, Serial No. 62,992. Divided and this application July 13, 1938, Serial No. 219,032
1 Claim. (Cl. 260—738)

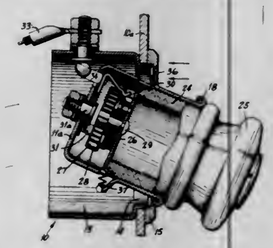
A plastic composition comprising as an essential ingredient a rubber hydrochloride intimately admixed with a minor proportion of lead chromate.

2,248,026

CIGAR LIGHTER

Herbert G. Lehmann, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut

Application November 19, 1936, Serial No. 111,605
Renewed July 2, 1940
22 Claims. (Cl. 219—32)



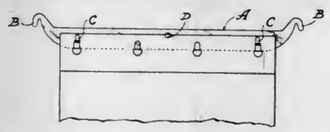
2. In a cigar lighter, a base; a holder pivotally mounted thereon for movement about a transverse axis; an igniting unit supported by the holder and completely removable therefrom for use; a heating element carried by the igniting unit; and means responsive to movement of the holder about its pivot for controlling a circuit through the heating element.

2,248,027

HANGER FOR DUPLICATOR STENCILS AND THE LIKE

Ernest C. Maass, Cleveland, Ohio

Application March 2, 1940, Serial No. 322,044
8 Claims. (Cl. 129—16.7)



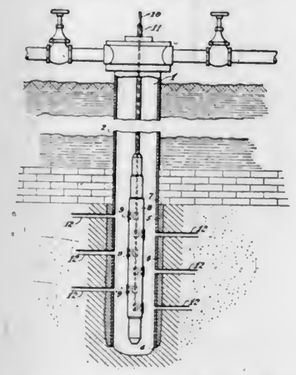
1. A stencil hanger comprising a strip of thin gauge sheet metal having a pair of hooked end portions at opposite ends thereof adapted to rest upon a support and a pair of upwardly directed stencil supporting ears formed integrally with said hanger, and an intermediate centrally disposed tab formed on said hanger and disposed slightly above said pair of ears and adapted to engage the upper edge of a stencil.

2,248,028

TREATMENT OF WELLS

Carl F. Prutton, Cleveland, Ohio, assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application June 9, 1938, Serial No. 212,769
1 Claim. (Cl. 166—21)



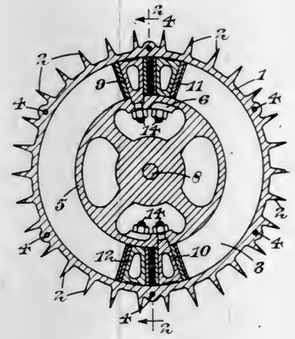
In a method of providing a perforated lining for the bore of a well penetrating a fluid producing formation, the steps which consist in setting a metal casing in the well bore through the productive portion of the formation, introducing sufficient resin forming liquid into the well bore to cover the producing formation, applying pressure to said resin forming liquid to displace it from the well bore and force it up around the casing to fill the annular space between the casing and the walls of the bore, maintaining pressure upon said resin forming liquid until it has solidified thereby sealing the casing in place, and then perforating the casing and solidified resin to permit the passage of fluid through the so formed perforations to the well.

2,248,029

INTERNAL COMBUSTION ENGINE

Paulino Uzcudun, José Maria Elustondo, Pablo Galarraga, and Saturnino Zuloaga, San Sebastian, Spain

Application October 22, 1938, Serial No. 236,442
In Spain December 4, 1937
11 Claims. (Cl. 123—11)



4. A rotary explosion engine comprising a casing having a portion formed as an annular chamber and having intake and exhaust ports formed therein and opening into the chamber, a pair of shafts mounted in the casing concentrically with the annular chamber, four piston members secured to each shaft and symmetrically disposed with respect to one another and working within the annular chamber, means for preventing rotation of said shafts in one direction of rotation and means connecting the shafts during a part of a revolution of the engine, said connection being such that one shaft rotates at a greater speed than the other, and sparking plugs for effecting explosion of a combustible mixture arranged in the wall of the chamber, the ports being arranged in pairs diametrically opposite each other and the sparking plugs being arranged in pairs symmetrically between the pairs of ports, the sparking plugs of each pair being spaced apart angularly of the annular chamber and being alternately operable, each to initiate a power impulse of the engine separate from the power impulse initiated by operation of the other.

8. In a rotary explosion engine, a piston member having a hollow body portion, a cover plate on each of a pair of opposite faces, rhomboidal sealing elements arranged between the body portion and the cover plate, said rhomboidal members having grooves formed in their adjacent edges, a sealing rod occupying each pair of adjacent grooves and spring means for urging said rhomboidal sealing members and said sealing rods outwardly of the body portion.

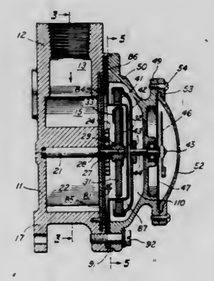
2,248,030

MOTION TRANSMITTING MECHANISM

Raymond T. Zwack, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Application December 7, 1938, Serial No. 244,453 which is a division of Serial No. 100,953, September 15, 1936. Divided and this application April 25, 1939, Serial No. 270,009
1 Claim. (Cl. 172—284)

In a device of the character described, the combination of a driving means, a magnetized bar movable about its own center in response to movement of said driving means, and means to indicate the extent of movement of said bar about its center, said indicating means including a one-piece magnetized ring of uniform thickness movable in synchronism with said bar, in encircling, co-planar relationship thereto, such movement being governed by a single pair of magnetic poles, from one of which poles magnetic flux flows in two diverging paths through said ring, and at the other of which poles the two paths unite, to return to said first-named pole by way of the intervening magnetized bar.



2,248,031

ABRASIVE ARTICLE AND METHOD OF MANUFACTURING THE SAME

Hugh V. Allison, Fairfield, Conn., assignor to The Allison Company, Bridgeport, Conn., a corporation of Connecticut

No Drawing. Application November 2, 1940, Serial No. 363,980
14 Claims. (Cl. 51—299)

1. The method of making an abrasive article comprising reducing rubber to a fluid, forming a heteropolymer by reacting said fluid with an alpha-beta unsaturated carbonyl compound while retaining the mass at a temperature of approximately between 60 and 70 degrees centigrade, mixing abrasive grain and sulfur with said heteropolymer, shaping articles from the mass, and curing the shaped articles.

2,248,032

MANUFACTURE OF CEMENTS FROM CALCIUM SULPHATE AND BLAST FURNACE SLAG

John Stanley Dunn, Billingham-on-Tees, and Victor Lefebure, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 23, 1939, Serial No. 257,817. In Great Britain February 22, 1938
8 Claims. (Cl. 106—109)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A water-setting cement comprising granulated blast furnace slag, calcium sulphate and a lime-containing or lime-producing exciter, to which has been added before setting of said cement a small proportion of one or more sulphoaluminates of calcium or of a material containing the same to increase the tensile strength of said cement in the early stages of setting.

2,248,033
MANUFACTURE OF CEMENTS FROM CALCIUM SULPHATE AND BLAST FURNACE SLAG
Nelson Elliot Wallace, Norton-on-Tees, and Victor Lefebure, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 23, 1939, Serial No. 257,818. In Great Britain February 22, 1938
3 Claims. (Cl. 106—85)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A method of improving the strength and hardness of cements comprising granulated blast furnace slag, calcium sulphate and Portland cement clinker, which comprises gauging the cement with water, allowing it to partially set, and treating the partially set cement with a liquid medium containing lime.

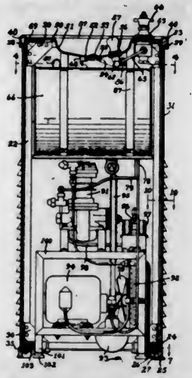
2,248,034
WITHDRAWN

2,248,035
PROCESS OF NITROSATING AROMATIC ALKYL KETONES
Walter H. Hartung, Baltimore, Md., and Frank S. Crossley, Philadelphia, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application March 24, 1938, Serial No. 197,896
12 Claims. (Cl. 260—566)

1. The method of nitrosating aromatic alkyl ketones, in which the aromatic radical is selected from the class consisting of radicals of the phenyl and the naphthyl series, at the alpha carbon of the alkyl group which comprises treating an aromatic alkyl ketone with an inorganic nitrite capable of reacting to give off nitrous acid under the reaction conditions, with an inorganic chloride capable of reacting to give off hydrogen chloride under the reaction conditions, together with sulfuric acid.

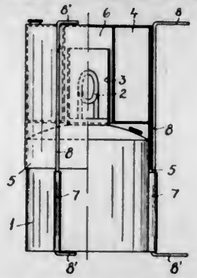
2,248,036
REFRIGERATING APPARATUS
John A. Macready, San Francisco, Calif., and De Witt H. Wyatt, Columbus, Ohio, assignors to General Motors Corporation, a corporation of Delaware
Original application September 29, 1928, Serial No. 309,216, now Patent No. 2,051,874, dated August 25, 1936. Divided and this application August 10, 1934, Serial No. 739,252. Renewed August 18, 1939
4 Claims. (Cl. 299—13)

1. In a water cooler having an inner frame and outer panel members covering said frame, a sheet metal top member having a well portion, a flat portion surrounding said well and an embossed portion surrounding said flat portion and terminating in a skirt overlying said panel members and spaced therefrom on all sides of said cooler so as to prevent water from running down the sides of said panel members, each of said portions being formed integral with said top member, said well portion extending below the general plane including said other portions and provided with a water bubbler and a drain plate attached to a stationary drain pipe carried by said frame, the underside of said flat portion overlying said inner frame and being directly supported thereby



on all sides of said cooler, said drain plate and drain pipe forming the sole means for securing said top member to said supporting frame thereby producing a stable but quickly removable cooler top assembly.

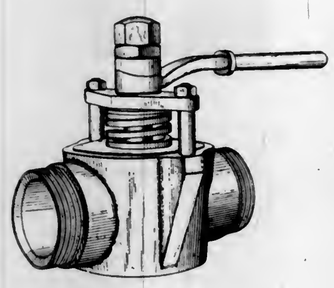
2,248,037
COOKING APPARATUS
Fredrik Olsen, Kongsberg, Norway
Application July 6, 1938, Serial No. 217,743
In Norway July 7, 1937
1 Claim. (Cl. 126—38)



Cooking apparatus comprising a main fuel container, a burner at the top of the container, a flame casing surrounding the burner and also carried by the container, a second container for spare fuel having a central cavity in the bottom thereof, means extending from the lower outer edge of the spare container for encompassing the upper part of the main container for detachably connecting the containers together in such manner that the burner and the flame casing are arranged in said cavity, legs vertically disposed and rotatably mounted on the outer surface of the main fuel container and extending upwardly therefrom, and angle portions at the upper and lower ends of the legs serving as stops when turned inwardly to engage the respective containers to detachably hold the containers together and acting as supports when turned and extended outwardly.

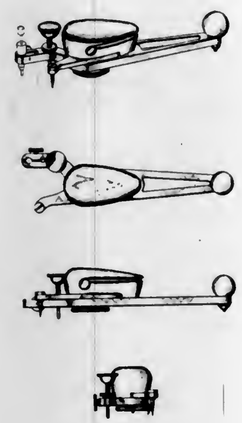
DESIGNS
JULY 1, 1941

127,961
DESIGN FOR A VALVE
Ralph G. Carlson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 16, 1941, Serial No. 98,129
Term of patent 14 years



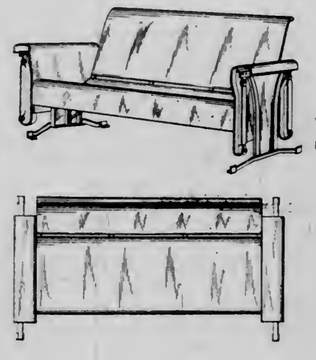
The ornamental design for a valve, substantially as shown and described.

127,962
DESIGN FOR A LETTERING SCRIBER
Francesco G. Collura, New York, N. Y., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Application March 26, 1941, Serial No. 99,905
Term of patent 14 years



The ornamental design for a lettering scriber, as shown and described.

127,963
DESIGN FOR A GLIDER
Aaron S. Goldberg, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 3, 1941, Serial No. 98,674
Term of patent 7 years



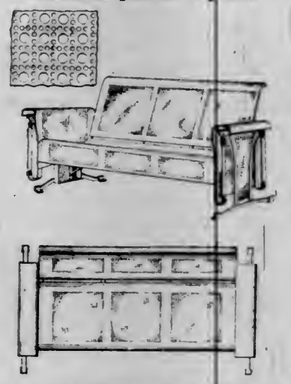
The ornamental design for a glider, as shown and described.

127,964
DESIGN FOR A GLIDER
Aaron S. Goldberg, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 3, 1941, Serial No. 98,675
Term of patent 7 years



The ornamental design for a glider, as shown and described.

127,965
DESIGN FOR A GLIDER
Aaron S. Goldberg, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 3, 1941, Serial No. 98,676
Term of patent 7 years



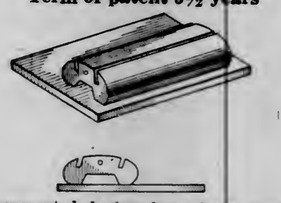
The ornamental design for a glider, as shown and described.

127,966
DESIGN FOR A GAME DEVICE
William B. Markham, Denver, Colo.
Application March 28, 1941, Serial No. 99,944
Term of patent 14 years



The ornamental design for a game device, as shown.

127,967
DESIGN FOR A BASE, FOR A DISPLAY STAND OR THE LIKE
Maximilian C. Meyer, Brooklyn, N. Y.
Application September 19, 1940, Serial No. 95,224
Term of patent 3½ years



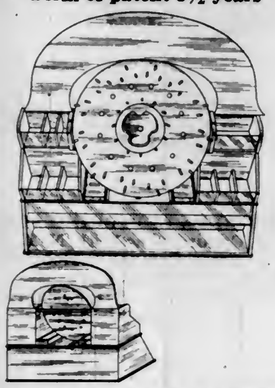
The ornamental design for a base, for a display stand or the like, as shown.

127,968
DESIGN FOR A SWEATER
Louis Meyers, Cedarhurst, N. Y.
Application February 24, 1941, Serial No. 99,171
Term of patent 3½ years



The ornamental design for a sweater, as shown and described.

127,969
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application November 2, 1940, Serial No. 96,266
Term of patent 3½ years



The ornamental design for a display stand, as shown.

127,970
DESIGN FOR A MEASURING DEVICE
Benjamin C. Myers, Trenton, N. J.
Application April 17, 1941, Serial No. 100,467
Term of patent 14 years



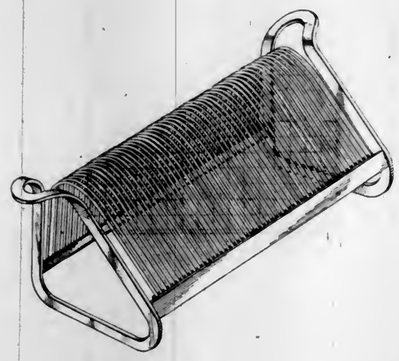
The ornamental design for a measuring device, as shown.

127,971
DESIGN FOR AN ESCUTCHEON PLATE FOR STOVES OR THE LIKE
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,801
Term of patent 7 years



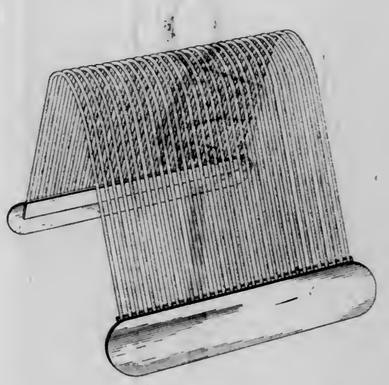
The ornamental design for an escutcheon plate for stoves or the like, substantially as shown.

127,972
DESIGN FOR A PHONOGRAPH RECORD HOLDER
Luther I. Replogle, Oak Park, Ill., assignor to Replogle Globes, Inc., Chicago, Ill., a corporation of Illinois
Application May 9, 1941, Serial No. 100,874
Term of patent 7 years



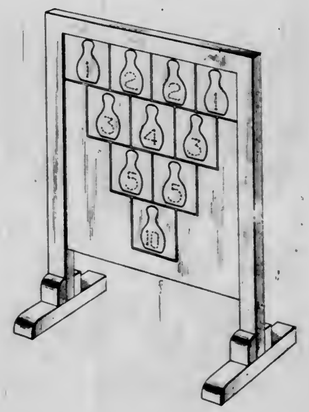
The ornamental design for a phonograph record holder, as shown.

127,973
DESIGN FOR A PHONOGRAPH RECORD HOLDER
Luther I. Replogle, Oak Park, Ill., assignor to Replogle Globes, Inc., Chicago, Ill., a corporation of Illinois
Application May 9, 1941, Serial No. 100,875
Term of patent 7 years



The ornamental design for a phonograph record holder, as shown.

127,974
DESIGN FOR A DART BOARD
Joseph J. Sargeant, Naugatuck, Conn.
Application April 21, 1941, Serial No. 100,548
Term of patent 14 years



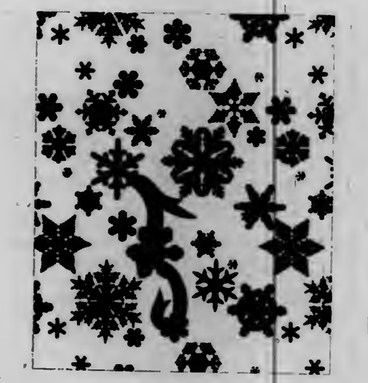
The ornamental design for a dart board, as shown.

127,975
DESIGN FOR A WRIST BAG
Laura M. Schneider, New York, N. Y.
Application November 20, 1940, Serial No. 96,697
Term of patent 14 years



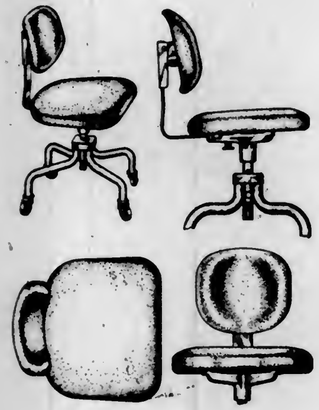
The ornamental design for a wrist bag, as shown.

127,976
DESIGN FOR A WRAPPING PAPER
Dorothy Shepard, Chicago, Ill., assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application May 15, 1941, Serial No. 100,965
Term of patent 7 years



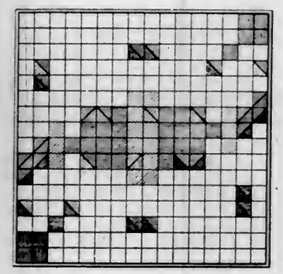
The ornamental design for a wrapping paper, as shown.

127,977
DESIGN FOR A POSTURE CHAIR
Nathaniel T. Shepherd, Chicago, Ill.
Application October 20, 1939, Serial No. 87,752
Term of patent 14 years



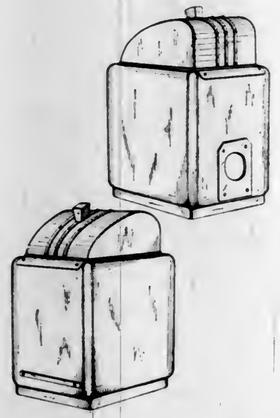
The ornamental design for a posture chair, substantially as shown and described.

127,978
DESIGN FOR A GAME BOARD
Erich J. P. Sturm, Danville, Calif.
Application February 8, 1941, Serial No. 98,851
Term of patent 14 years



The ornamental design for a game board, substantially as shown.

127,979
DESIGN FOR A BEVERAGE DISPENSING CONTAINER
John M. Travis, St. Louis, and Bernard F. McMahon, St. Louis County, Mo., assignors to Multiplex Faucet Company, St. Louis, Mo., a corporation of Missouri
Application April 29, 1941, Serial No. 100,700
Term of patent 7 years



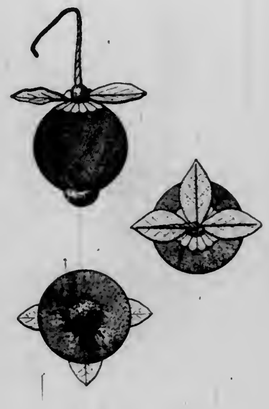
The ornamental design for a beverage dispensing container, as shown.

127,980
DESIGN FOR A SACHET
Jean E. Vivaudou and Henry G. Lubin, New York, N. Y.
Application May 5, 1941, Serial No. 100,779
Term of patent 14 years



The ornamental design for a sachet, as shown.

127,981
DESIGN FOR A SACHET
Jean E. Vivaudou and Henry G. Lubin, New York, N. Y.
Application May 7, 1941, Serial No. 100,827
Term of patent 3½ years



The ornamental design for a sachet, as shown.

127,982
DESIGN FOR A SACHET
Jean E. Vivaudou and Henry G. Lubin, New York, N. Y.
Application May 9, 1941, Serial No. 100,858
Term of patent 3½ years



The ornamental design for a sachet, as shown.

127,983
DESIGN FOR A BRUSH
Heinrich Wechsler, New York, N. Y.
Application March 20, 1941, Serial No. 99,744
Term of patent 3½ years



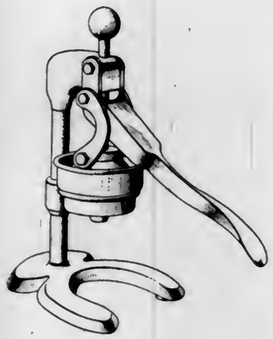
The ornamental design for a brush, substantially as shown and described.

127,984
DESIGN FOR A THERMOMETER
Daniel D. Whyte, Brooklyn, N. Y., and William Anton Lang, Springfield, Mass.; said Lang assignor to said Whyte
Application April 25, 1941, Serial No. 100,614
Term of patent 7 years



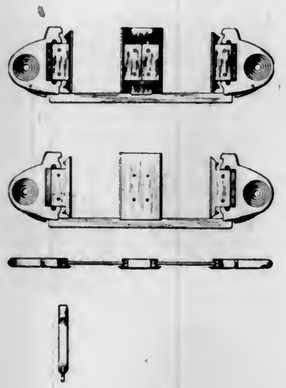
The ornamental design for a thermometer, as shown.

127,985
DESIGN FOR A FRUIT JUICE EXTRACTOR OR THE LIKE
Raymond Zurawin, New York, N. Y.
Application May 3, 1941, Serial No. 100,759
Term of patent 14 years



The ornamental design for a fruit juice extractor or the like, as shown.

127,986
DESIGN FOR A LANTERN SLIDE HOLDER
David L. Babcock and Theodore G. Clement, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 8, 1941, Serial No. 100,227
Term of patent 14 years



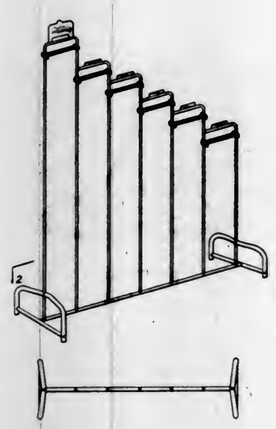
The ornamental design for a lantern slide holder, as shown.

127,987
DESIGN FOR A BEACH SLIPPER
Stephen Babinchak, New York, N. Y.
Application March 23, 1940, Serial No. 91,191
Term of patent 7 years



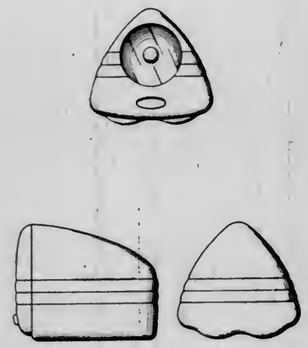
The ornamental design for a beach slipper, substantially as shown and described.

127,988
DESIGN FOR A CURTAIN DISPLAY RACK
Albert Bersin, Brooklyn, N. Y.
Application March 4, 1941, Serial No. 99,343
Term of patent 7 years



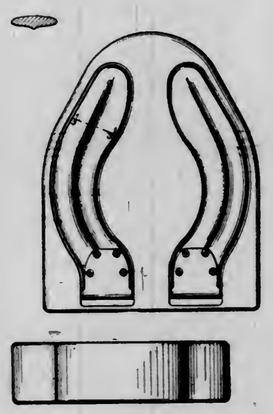
The ornamental design for a curtain display rack, as shown.

127,989
DESIGN FOR A FLASHLIGHT OR SIMILAR ARTICLE
Lynn Brodton, Collingswood, N. J.
Application April 28, 1941, Serial No. 100,658
Term of patent 7 years



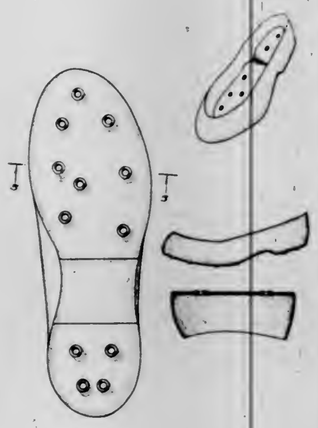
The ornamental design for a flashlight or similar article, as shown.

127,990
DESIGN FOR A COMBINED STERILIZING CABINET AND TOILET SEAT
Walter L. Eckhardt, Overbrook, Pa., assignor to Hygeian Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 6, 1940, Serial No. 91,525
Term of patent 3½ years



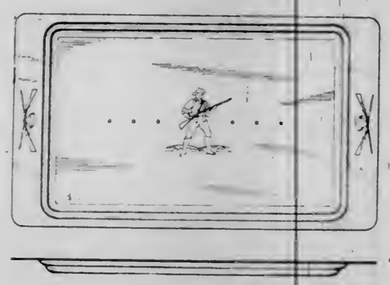
The ornamental design for a combined sterilizing cabinet and toilet seat, as shown.

127,991
DESIGN FOR A GOLF OVERSHOE OR SIMILAR ARTICLE
Elliott H. Feinberg, New York, N. Y.
Application March 21, 1940, Serial No. 91,133
Term of patent 7 years



The ornamental design for a golf overshoe or similar article, as shown.

127,992
DESIGN FOR A TRAY OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application May 2, 1941, Serial No. 100,737
Term of patent 7 years



The ornamental design for a tray or similar article, substantially as shown.

127,993
DESIGN FOR AN OVERSHOE OR SIMILAR WATERPROOF ARTICLE
John E. Hard, Cranston, R. I., assignor to Goodyear Footwear Corporation, Providence, R. I., a corporation of Delaware
Application May 9, 1941, Serial No. 100,866
Term of patent 14 years



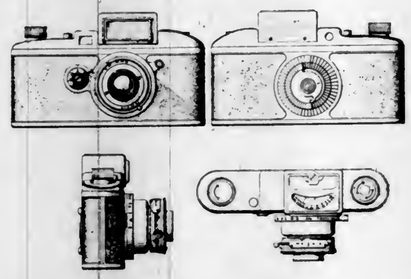
The ornamental design for an overshoe or similar waterproof article, substantially as shown and described.

127,994
DESIGN FOR AN OVERSHOE OR SIMILAR WATERPROOF ARTICLE
John E. Hard, Cranston, R. I., assignor to Goodyear Footwear Corporation, Providence, R. I., a corporation of Delaware
Application May 9, 1941, Serial No. 100,867
Term of patent 14 years



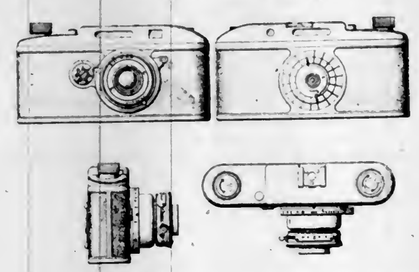
The ornamental design for an overshoe or similar waterproof article, substantially as shown.

127,995
DESIGN FOR A PHOTOGRAPHIC CAMERA
Clinton H. Harris, Ann Arbor, Mich., assignor to International Industries, Inc., Ann Arbor, Mich., a corporation of Michigan
Application March 21, 1941, Serial No. 99,762
Term of patent 7 years



The ornamental design for a photographic camera, substantially as shown.

127,996
DESIGN FOR A CAMERA
Clinton H. Harris, Ann Arbor, Mich., assignor to International Industries, Inc., Ann Arbor, Mich., a corporation of Michigan
Application March 21, 1941, Serial No. 99,763
Term of patent 7 years



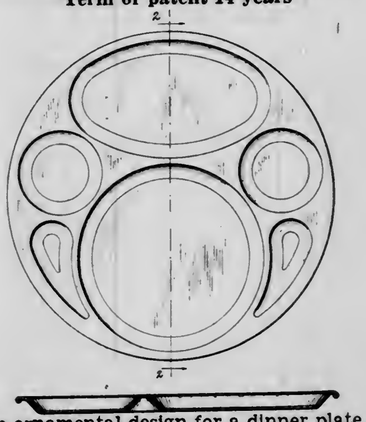
The ornamental design for a camera, substantially as shown.

127,997
DESIGN FOR A TABLE FORK
John Klaus, Boulder, Colo.
Application February 26, 1940, Serial No. 90,533
Term of patent 3½ years



The ornamental design for a table fork, as shown and described.

127,998
DESIGN FOR A DINNER PLATE
John Le Graffe, Los Angeles, Calif.
Application May 1, 1940, Serial No. 92,077
Term of patent 14 years



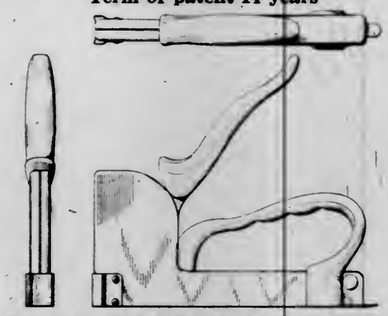
The ornamental design for a dinner plate, substantially as shown.

127,999
DESIGN FOR A WOVEN TEXTILE FABRIC
Philip Nathanson, New York, N. Y.
Application May 12, 1941, Serial No. 100,901
Term of patent 3½ years



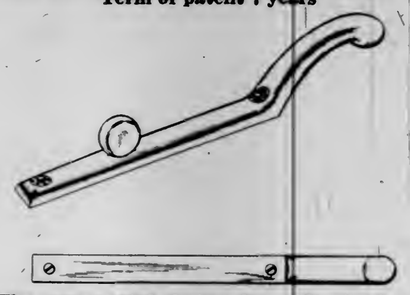
The ornamental design for a woven textile fabric, substantially as shown.

128,000
DESIGN FOR A STAPLING MACHINE
Lou Obstfeld, New York, N. Y., assignor of one-half to Abraham Obstfeld, New York, N. Y.
Application December 13, 1940, Serial No. 97,290
Term of patent 14 years



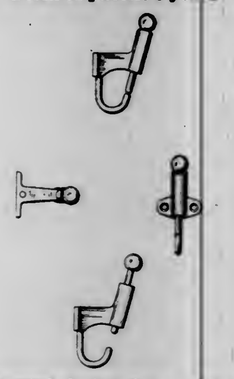
The ornamental design for a stapling machine, substantially as shown.

128,001
DESIGN FOR A FILE HOLDER
Everette Oilinger, Pocahontas, Iowa
Application November 2, 1940, Serial No. 96,261
Term of patent 7 years



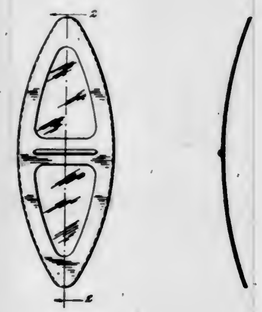
The ornamental design for a file holder, as shown.

128,002
DESIGN FOR A GARMENT HANGER
Nathaniel M. Olney, Jersey City, N. J.
Application March 17, 1941, Serial No. 99,655
Term of patent 7 years



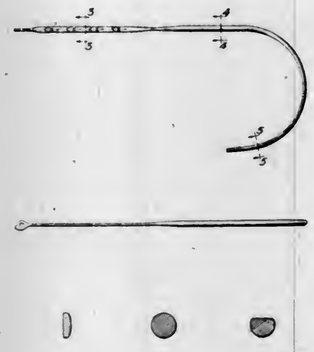
The ornamental design for a garment hanger, substantially as shown and described.

128,003
DESIGN FOR A SIGHT OPENING PLATE FOR CARPET SWEEPERS
Carl C. Parrish, Shelbyville, Ind., assignor to Porter-Steel Specialties, Shelbyville, Ind., a co-partnership composed of George M. Parker, Parrish Fuller, and Hester P. Fuller.
Application January 25, 1941, Serial No. 98,382
Term of patent 7 years



The ornamental design for a sight opening plate for a carpet sweeper, as shown.

128,004
DESIGN FOR A TEMPLE MEMBER FOR SPECTACLES OR SIMILAR ARTICLE
Edwin Reynolds, Vineland, N. J.
Application February 6, 1941, Serial No. 98,799
Term of patent 14 years



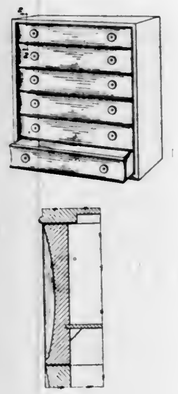
The ornamental design for a temple member for spectacles or similar article, substantially as shown and described.

128,005
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,753
Term of patent 3½ years



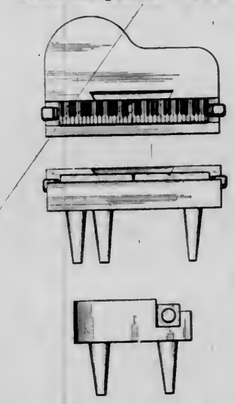
The ornamental design for a casing for sound apparatus, substantially as shown and described.

128,006
DESIGN FOR A CHEST OF DRAWERS OR SIMILAR ARTICLE
David J. Saltman, Los Angeles, Calif.
Application January 9, 1941, Serial No. 97,896
Term of patent 7 years



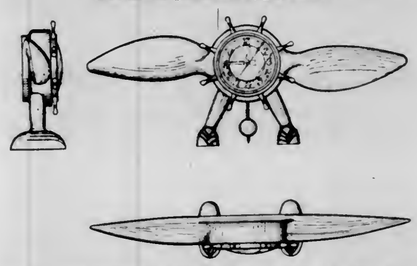
The ornamental design for a chest of drawers or similar article, substantially as shown.

128,007
DESIGN FOR A COMBINED SUPPORT AND CONTAINERS FOR PERFUMERY
Albert E. Sierad, Larchmont, N. Y.
Application April 30, 1941, Serial No. 100,704
Term of patent 7 years



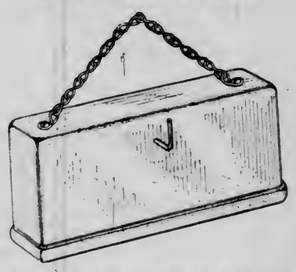
The ornamental design for a combined support and containers for perfumery, as shown.

128,008
DESIGN FOR A CLOCK
Jim I. Silvers, Chicago, Ill.
Application October 10, 1940, Serial No. 95,745
Term of patent 3½ years



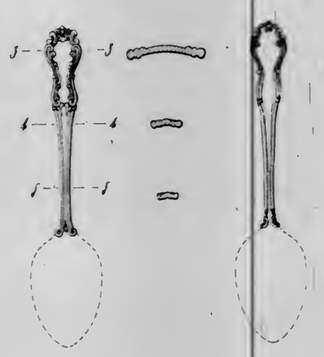
The ornamental design for a clock, as shown.

128,009
DESIGN FOR A SUPPORT FOR SPECTACLES OR THE LIKE
Fred Allen Swartz, Harrisburg, Pa.
Application March 6, 1941, Serial No. 99,373
Term of patent 14 years



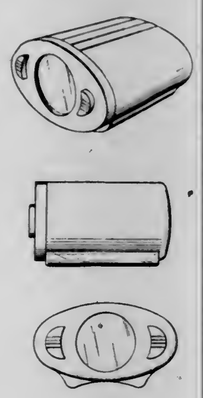
The ornamental design for a support for spectacles or the like, substantially as shown.

128,010
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Ernest William Walker, Concord, N. H., assignor to Concord Silversmiths, Ltd., Concord, N. H., a corporation of Delaware
Application April 18, 1941, Serial No. 100,482
Term of patent 7 years



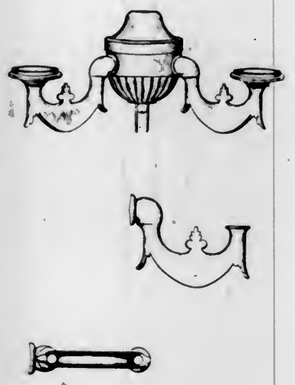
The ornamental design for a spoon or other article of flatware, as shown.

128,011
DESIGN FOR A FLASHLIGHT OR SIMILAR ARTICLE
Lynn Brodton, Collingswood, N. J.
Application April 28, 1941, Serial No. 100,662
Term of patent 7 years



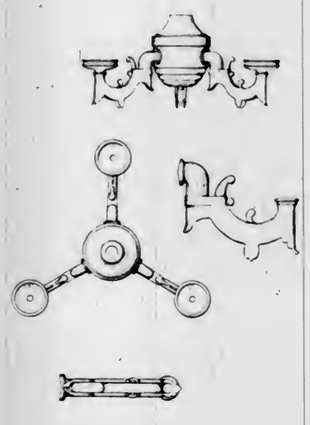
The ornamental design for a flashlight or similar article, as shown.

128,012
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application October 2, 1940, Serial No. 95,577
Term of patent 14 years



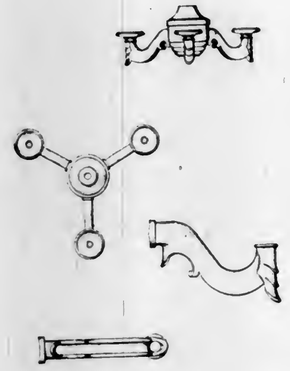
The ornamental design for a lamp head, as shown and described.

128,013
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application November 18, 1940, Serial No. 96,659
Term of patent 14 years



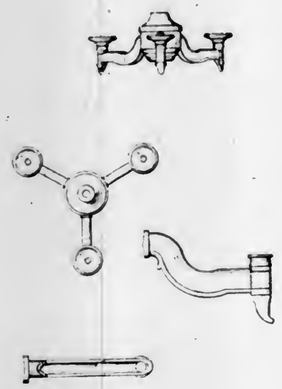
The ornamental design for a lamp head, as shown and described.

128,014
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,089
Term of patent 14 years



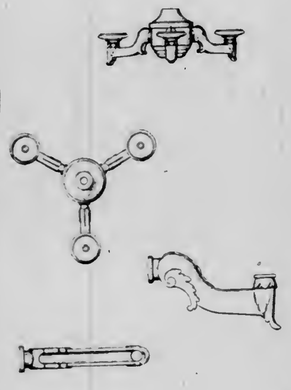
The ornamental design for a lamp head, as shown and described.

128,015
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,090
Term of patent 14 years



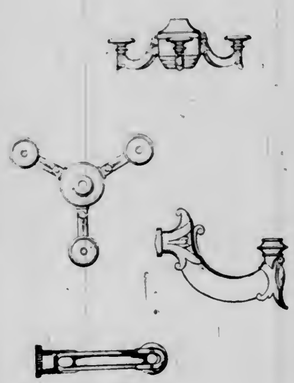
The ornamental design for a lamp head, as shown and described.

128,016
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,091
Term of patent 14 years



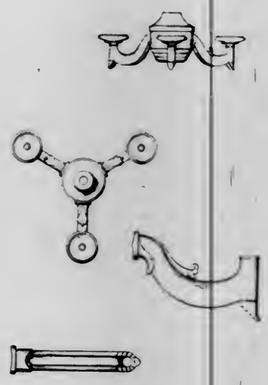
The ornamental design for a lamp head, as shown and described.

128,017
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,092
Term of patent 14 years



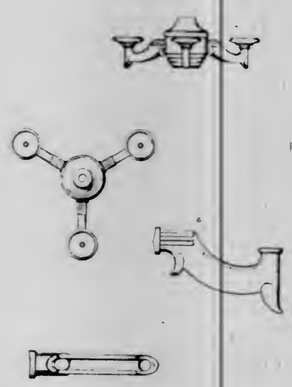
The ornamental design for a lamp head, as shown and described.

128,018
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,093
Term of patent 14 years



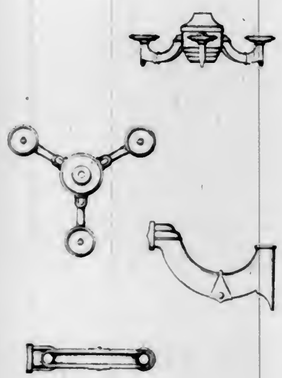
The ornamental design for a lamp head, as shown and described.

128,019
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,094
Term of patent 14 years



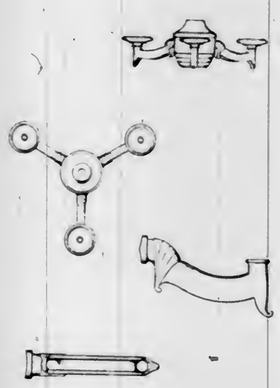
The ornamental design for a lamp head, as shown and described.

128,020
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,095
Term of patent 14 years



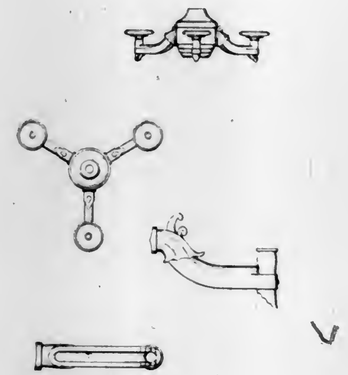
The ornamental design for a lamp head, as shown and described.

128,021
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,096
Term of patent 14 years



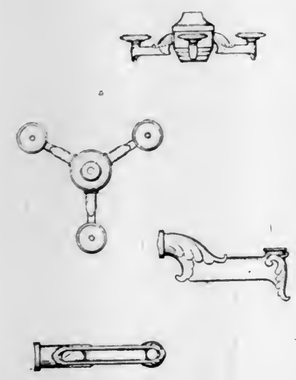
The ornamental design for a lamp head, as shown and described.

128,022
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,097
Term of patent 14 years



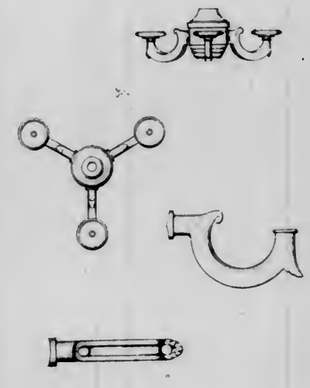
The ornamental design for a lamp head, as shown and described.

128,023
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,098
Term of patent 14 years



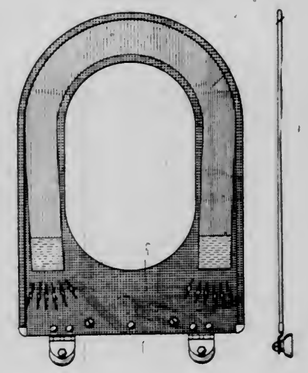
The ornamental design for a lamp head, as shown and described.

128,024
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 5, 1940, Serial No. 97,099
Term of patent 14 years



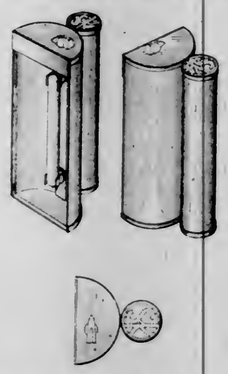
The ornamental design for a lamp head, as shown and described.

128,025
DESIGN FOR A RADIO ANTENNA
Kurt Emde, Itasca, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application December 6, 1940, Serial No. 97,120
Term of patent 14 years



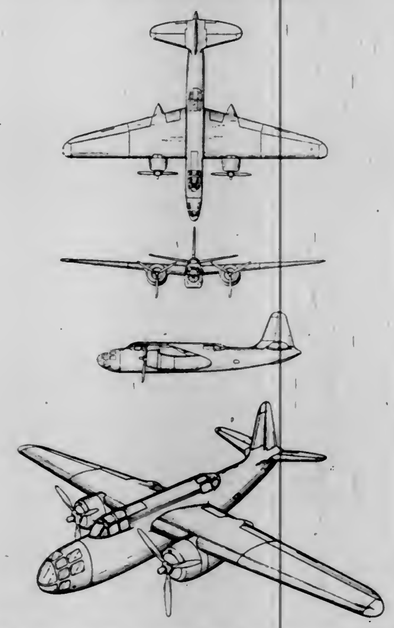
The ornamental design for a radio antenna, as shown and described.

128,026
DESIGN FOR A THERAPEUTIC LAMP
Frank Furedy, Chicago, Ill., assignor to Sun-Kraft, Inc., Chicago, Ill., a corporation of Illinois
Application February 10, 1941, Serial No. 98,863
Term of patent 14 years



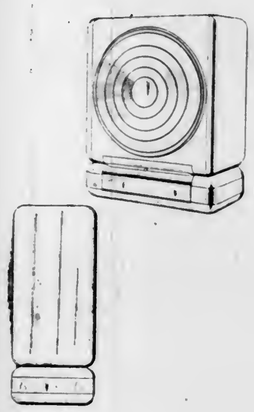
The ornamental design for a therapeutic lamp, substantially as shown and described.

128,027
DESIGN FOR AN ATTACK BOMBER AIRPLANE
Edward H. Heinemann and Ernest J. Englebert, Los Angeles, Calif., assignors to Douglas Aircraft Company, Incorporated, Santa Monica, Calif.
Application October 2, 1939, Serial No. 87,468
Term of patent 7 years



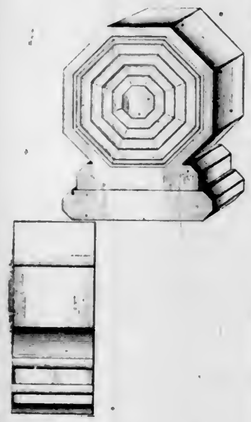
The ornamental design for an attack bomber airplane, substantially as shown.

128,028
DESIGN FOR A HEATER CABINET
George Herbster, Cleveland, Ohio
Application March 27, 1939, Serial No. 83,859
Term of patent 7 years



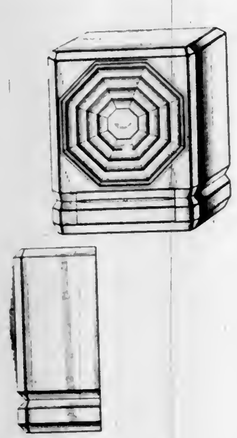
The ornamental design for a heater cabinet, substantially as shown and described.

128,029
DESIGN FOR A HEATER CABINET
George Herbster, Cleveland, Ohio
Application March 27, 1939, Serial No. 83,860
Term of patent 7 years



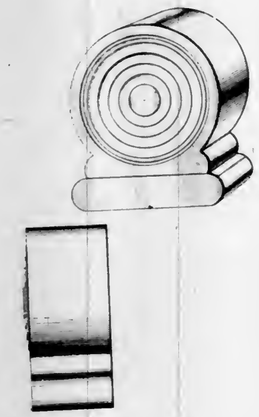
The ornamental design for a heater cabinet, substantially as shown and described.

128,030
DESIGN FOR A HEATER CABINET
George Herbster, Cleveland, Ohio
Application March 27, 1939, Serial No. 83,861
Term of patent 7 years



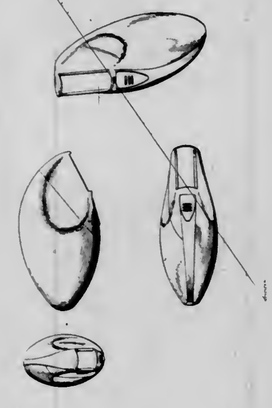
The ornamental design for a heater cabinet, substantially as shown and described.

128,031
DESIGN FOR A HEATER CABINET
George Herbster, Cleveland, Ohio
Application March 27, 1939, Serial No. 83,862
Term of patent 7 years



The ornamental design for a heater cabinet, substantially as shown and described.

128,032
DESIGN FOR A CASE FOR MECHANIZED RAZORS
Neil Holsclaw, Chicago, Ill.
Application May 2, 1941, Serial No. 100,740
Term of patent 14 years



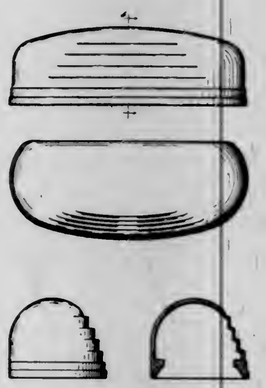
The ornamental design for a case for mechanized razors, as shown.

128,033
DESIGN FOR A SWEATER
Louis Meyers, Cedarhurst, N. Y.
Application February 24, 1941, Serial No. 99,172
Term of patent 3½ years



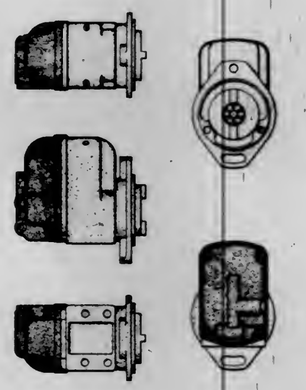
The ornamental design for a sweater, as shown and described.

128,034
DESIGN FOR A LAMP SHADE
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application April 14, 1941, Serial No. 100,370
Term of patent 3½ years



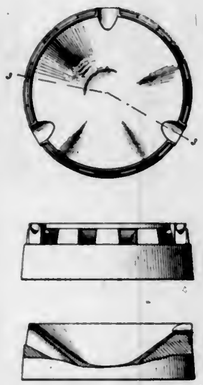
The ornamental design for a lamp shade, substantially as shown.

128,035
DESIGN FOR A MAGNETO ELECTRIC GENERATOR
Edward A. Vogel, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application October 31, 1940, Serial No. 96,228
Term of patent 3½ years



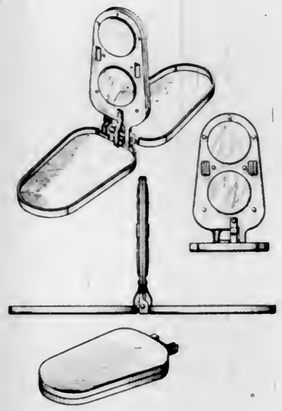
The ornamental design for a magneto electric generator, substantially as shown and described.

128,036
DESIGN FOR AN ASH TRAY FOR CIGARETTES AND THE LIKE
Elie Aghnides, New York, N. Y.
Application October 24, 1940, Serial No. 96,059
Term of patent 14 years



The ornamental design for an ash tray for cigarettes and the like, as shown.

128,037
DESIGN FOR A REFLECTING ROAD SIGNAL
Horace N. Carver, Wichita, Kans.
Application January 15, 1941, Serial No. 98,062
Term of patent 14 years



The ornamental design for a reflecting road signal, substantially as shown.

128,038
DESIGN FOR A TEXTILE FABRIC
Elsie J. Das, Honolulu, Territory of Hawaii, assignor to Watumull Brothers, Honolulu, Territory of Hawaii, a firm
Application May 5, 1941, Serial No. 100,791
Term of patent 7 years



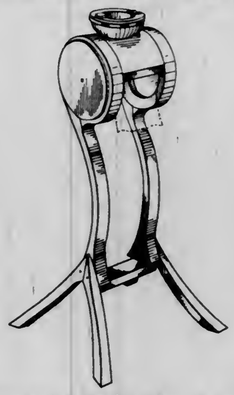
The ornamental design for a textile fabric, substantially as shown and described.

128,039
DESIGN FOR A CHRISTMAS TREE ORNAMENT OR THE LIKE
Arpad Erdos, Astoria, Long Island, N. Y.
Application February 26, 1941, Serial No. 99,218
Term of patent 3½ years



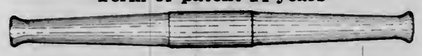
The ornamental design for a Christmas tree ornament or the like, substantially as shown.

128,040
DESIGN FOR A COMBINED TOILET PAPER HOLDER AND ASH TRAY
Anthony B. Fortener, Miamisburg, Ohio
Application December 30, 1940, Serial No. 97,726
Term of patent 7 years



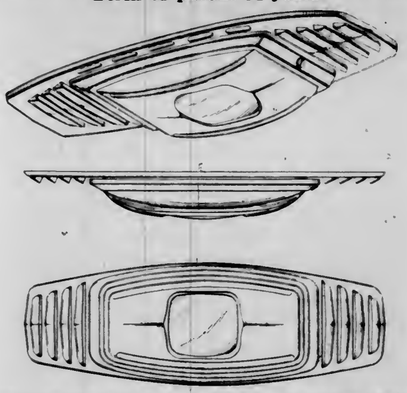
The ornamental design for a combined toilet paper holder and ash tray, as shown.

128,041
DESIGN FOR A HAND GRIP FOR A LAWN MOWER HANDLE
Truman B. Funk, Jackson, Mich., assignor to Yard-Man, Inc., Jackson, Mich., a corporation of Michigan
Application April 24, 1940, Serial No. 91,899
Term of patent 14 years



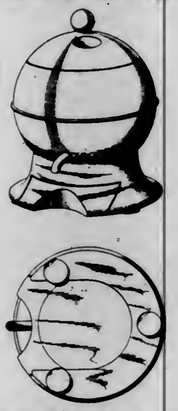
The ornamental design for a hand grip for a lawn mower handle, substantially as shown and described.

128,042
DESIGN FOR A LIGHTING FIXTURE
Herbert J. Graham, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 28, 1941, Serial No. 99,950
Term of patent 14 years



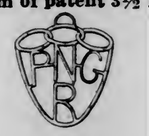
The ornamental design for a lighting fixture, as shown.

128,043
DESIGN FOR A CASING FOR A JUICE EXTRACTOR OR THE LIKE
Albert D. Grau, Tacoma, Wash.
Application October 21, 1940, Serial No. 95,969
Term of patent 14 years



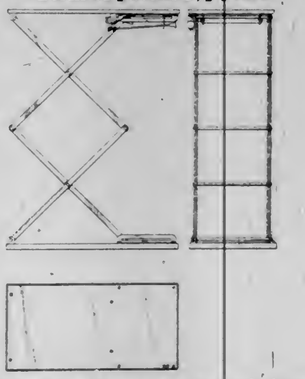
The ornamental design for a casing, for a juice extractor or the like, as shown.

128,044
DESIGN FOR A BADGE
Amelia C. Gray, Gaylord, Minn.
Application May 9, 1941, Serial No. 100,878
Term of patent 3½ years



The ornamental design for a badge, as shown.

128,045
DESIGN FOR AN EMBALMER'S TABLE
Ernest H. Kaiser, Chicago, Ill., assignor to Frigid Fluid Company, a corporation of Illinois
Application October 9, 1940, Serial No. 95,717
Term of patent 3½ years



The ornamental design for an embalmer's table, as shown.

128,046
DESIGN FOR AN EARRING OR SIMILAR ARTICLE OF MANUFACTURE
Franklin E. Karples, New York, N. Y.
Application April 9, 1941, Serial No. 100,255
Term of patent 3½ years



The ornamental design for an earring or similar article of manufacture, as shown.

128,047
DESIGN FOR AN EARRING OR SIMILAR ARTICLE OF MANUFACTURE
Franklin E. Karples, New York, N. Y.
Application April 9, 1941, Serial No. 100,256
Term of patent 3½ years



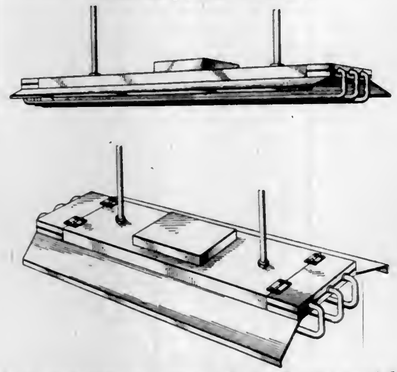
The ornamental design for an earring or similar article of manufacture, as shown.

128,048
DESIGN FOR A STUFFED TOY
Harry Klein, New York, N. Y.
Application April 2, 1941, Serial No. 100,099
Term of patent 3½ years



The ornamental design for a stuffed toy, substantially as shown.

128,049
DESIGN FOR A FLUORESCENT LAMP FIXTURE
Jacob Kurtz, Teaneck, and Joseph Spina, Cliffside Park, N. J., assignors to Callite Tungsten Corporation, Union City, N. J., a corporation of Delaware
Application January 2, 1941, Serial No. 97,784
Term of patent 14 years



The ornamental design for a fluorescent lamp fixture, as shown and described.

128,050
DESIGN FOR A CHRISTMAS STOCKING
Mary Belle La Roe, Terrell, Tex.
Application November 29, 1940, Serial No. 96,961
Term of patent 3½ years



The ornamental design for a Christmas stocking, as shown.

128,051
DESIGN FOR A SAFETY PAPER
Myron A. Lathey, Ottawa, Ontario, Canada
Application March 19, 1941, Serial No. 99,717
Term of patent 14 years



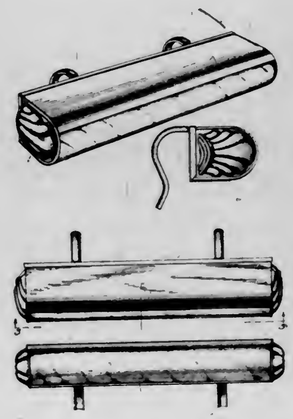
The ornamental design for a safety paper, as shown and described.

128,052
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Minger, Manhattan Beach, Calif., assignor to Hollywood Silk Mills, Los Angeles, Calif., a copartnership, composed of Mabs Ryden Barnes and Wallace E. Barnes
Application February 24, 1941, Serial No. 99,174
Term of patent 7 years



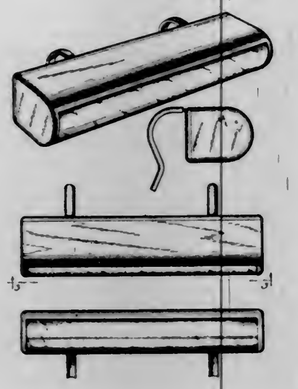
The ornamental design for a textile fabric or similar article, substantially as shown and described.

128,053
DESIGN FOR A FLUORESCENT BED LAMP
Bernard A. Mitchell, Chicago, Ill.
Application May 22, 1941, Serial No. 101,085
Term of patent 14 years



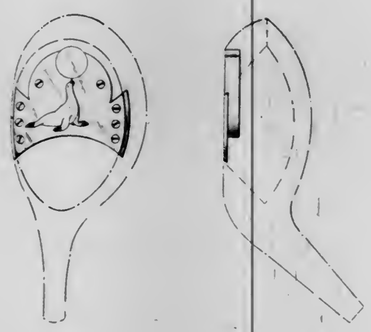
The ornamental design for a fluorescent bed lamp, as shown.

128,054
DESIGN FOR A FLUORESCENT BED LAMP
Bernard A. Mitchell, Chicago, Ill.
Application May 22, 1941, Serial No. 101,086
Term of patent 14 years



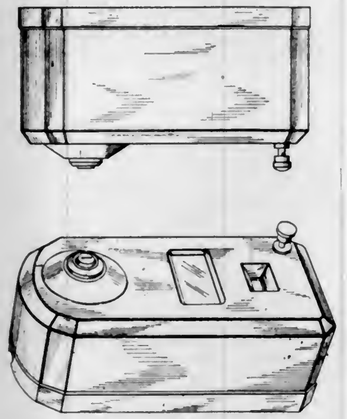
The ornamental design for a fluorescent bed lamp, as shown.

128,055
DESIGN FOR A GOLF CLUB HEAD
Howard P. G. Newsome, New Orleans, La.
Application March 21, 1941, Serial No. 99,761
Term of patent 14 years



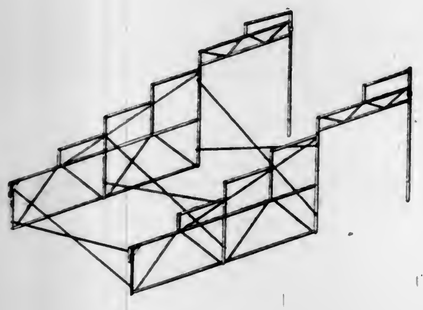
The ornamental design for a golf club head, as shown and described.

128,056
DESIGN FOR A TELEPHONE METER
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 2, 1940, Serial No. 97,004
Term of patent 14 years



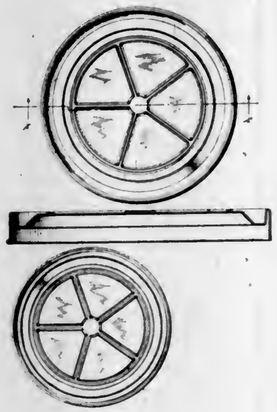
The ornamental design for a telephone meter, as shown.

128,057
DESIGN FOR A PORTABLE GRANDSTAND FRAME
John F. Roney and Richard W. Page, Hollywood, Cal., assignors to Safway Steel Scaffolds Co. of Wisconsin, Wauwatosa, Wis., a corporation of Wisconsin
Application March 18, 1940, Serial No. 91,031
Term of patent 7 years



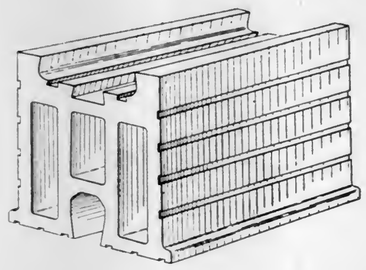
The ornamental design for a portable grandstand frame, as shown.

128,058
DESIGN FOR A HEAD FOR A SHIPPING CONTAINER
Troy E. Shultz, Kankakee, Ill.
Application December 26, 1940, Serial No. 97,609
Term of patent 14 years



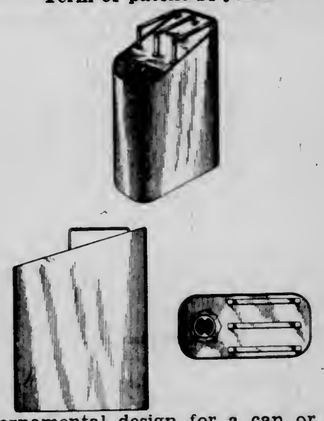
The ornamental design for a head for a shipping container, as shown.

128,059
DESIGN FOR A BUILDING BLOCK
Ernst Steinhard, London, England, assignor to The Marley Tile Company Limited, Riverhead, Sevenoaks, England
Application July 30, 1940, Serial No. 94,046
In Great Britain May 31, 1940
Term of patent 14 years



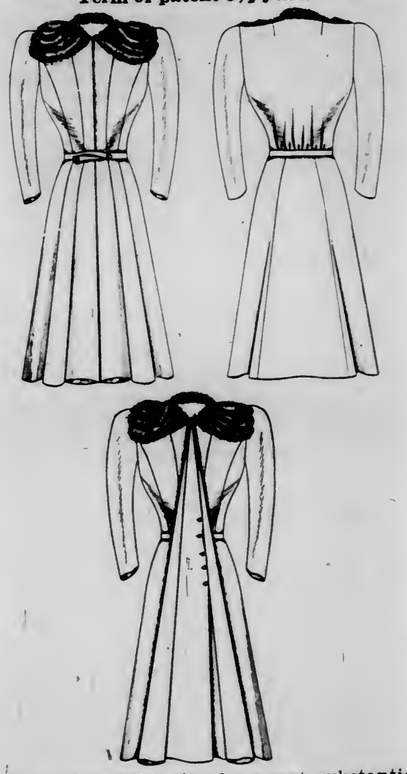
The ornamental design for a building block, as shown and described.

128,060
DESIGN FOR A CAN OR SIMILAR ARTICLE
Louis B. Wackman, Richmond Heights, Mo.
Application March 31, 1941, Serial No. 100,033
Term of patent 14 years



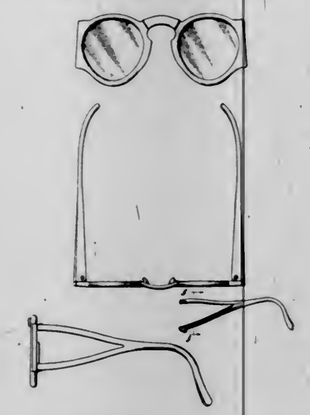
The ornamental design for a can or similar article, as shown and described.

128,061
DESIGN FOR A COAT
Samuel H. Dick, Brooklyn, N. Y.
Application June 10, 1941, Serial No. 101,367
Term of patent 3½ years



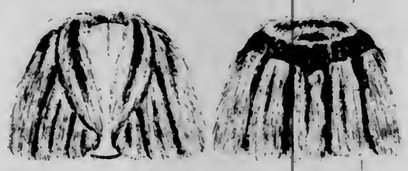
The ornamental design for a coat, substantially as shown.

128,062
DESIGN FOR SUNGLASSES
Rose Ehrlich, New York, N. Y., assignor to Lapin Products, Inc., New York, N. Y., a corporation of New York
Application November 25, 1939, Serial No. 88,489
Term of patent 14 years



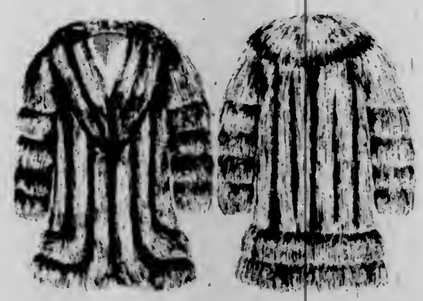
The ornamental design for sunglasses, substantially as shown and described.

128,063
DESIGN FOR A CAPE
Edward Fromm, Hamburg, Wis.
Application June 10, 1941, Serial No. 101,369
Term of patent 3½ years



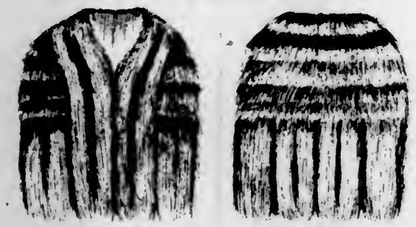
The ornamental design for a cape, as shown.

128,064
DESIGN FOR A COAT
Edward Fromm, Hamburg, Wis.
Application June 11, 1941, Serial No. 101,387
Term of patent 3½ years



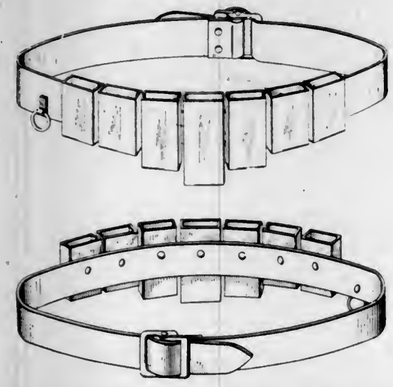
The ornamental design for a coat, as shown.

128,065
DESIGN FOR A CAPE
Edward Fromm, Hamburg, Wis.
Application June 11, 1941, Serial No. 101,388
Term of patent 3½ years



The ornamental design for a cape, as shown.

128,066
DESIGN FOR A BELT FOR BAIT LURE
Harold L. Haubein, Lockwood, Mo.
Application December 3, 1940, Serial No. 97,032
Term of patent 7 years



The ornamental design for a belt for bait lure, as shown.

128,067
DESIGN FOR A COMBINED STAND, MIRROR, AND CONTAINERS FOR PERFUMERY, OR THE LIKE
Robert B. Karoff, New York, N. Y.
Application April 28, 1941, Serial No. 100,650
Term of patent 3½ years



The ornamental design for a combined stand, mirror, and containers for perfumery, or the like, substantially as shown.

128,068
DESIGN FOR A COMBINED STAND AND CONTAINER FOR PERFUMERY OR THE LIKE
Robert B. Karoff, New York, N. Y.
Application April 28, 1941, Serial No. 100,651
Term of patent 3½ years



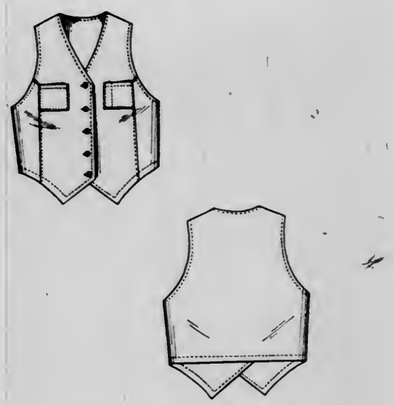
The ornamental design for a combined stand and container for perfumery or the like, substantially as shown.

128,069
DESIGN FOR A BELTING
Leo Kingsburg, New York, N. Y.
Application May 23, 1941, Serial No. 101,111
Term of patent 3½ years



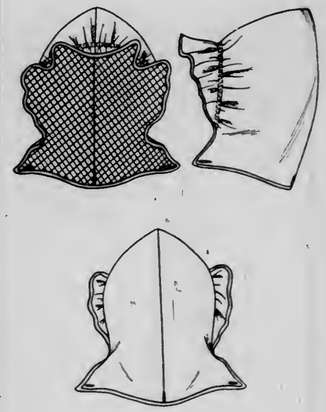
The ornamental design for a belting, substantially as shown.

128,070
DESIGN FOR A VEST OR SIMILAR ARTICLE
David J. Rosenberg, New York, N. Y.
Application May 27, 1941, Serial No. 101,178
Term of patent 3½ years



The ornamental design for a vest or similar article, substantially as shown.

128,071
DESIGN FOR A HOOD OR SIMILAR ARTICLE
Morris Saltzman, New York, N. Y.
Application April 14, 1941, Serial No. 100,362
Term of patent 3½ years



The ornamental design for a hood or similar article, substantially as shown.

128,072
DESIGN FOR A SNAP-ON BUTTON OR SIMILAR ARTICLE
Jack Singer, New York, N. Y.
Application May 20, 1941, Serial No. 101,023
Term of patent 3½ years



The ornamental design for a snap-on button or similar article, substantially as shown.

128,073
DESIGN FOR A SNAP-ON BUTTON OR SIMILAR ARTICLE
Jack Singer, New York, N. Y.
Application May 20, 1941, Serial No. 101,024
Term of patent 3½ years



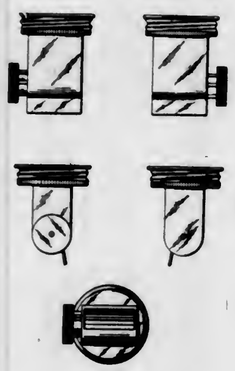
The ornamental design for a snap-on button or similar article, substantially as shown.

128,074
DESIGN FOR A SNAP-ON BUTTON OR SIMILAR ARTICLE
Jack Singer, New York, N. Y.
Application May 20, 1941, Serial No. 101,025
Term of patent 3½ years



The ornamental design for a snap-on button or similar article, substantially as shown.

128,075
DESIGN FOR A DISPENSING CAP FOR CONTAINERS
Arthur G. Mellinger, Lancaster, Pa.
Application November 7, 1940, Serial No. 96,408
Term of patent 14 years



The ornamental design for a dispensing cap for containers, as shown.

128,076
DESIGN FOR A DRESS
Jo Copeland, New York, N. Y.
Application June 14, 1941, Serial No. 101,453
Term of patent 3½ years



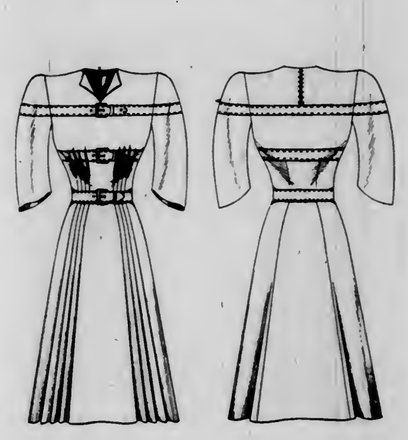
The ornamental design for a dress, substantially as shown.

128,077
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application June 10, 1941, Serial No. 101,361
Term of patent 3½ years



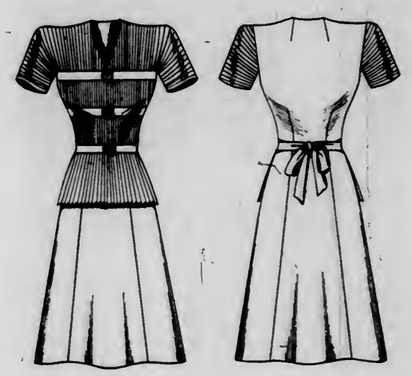
The ornamental design for a dress, substantially as shown.

128,078
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application June 10, 1941, Serial No. 101,362
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,079
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application June 10, 1941, Serial No. 101,363
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,080
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application June 10, 1941, Serial No. 101,365
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,081
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application June 10, 1941, Serial No. 101,366
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,082
DESIGN FOR A DRESS
Beatrice Greene, New York, N. Y.
Application June 11, 1941, Serial No. 101,385
Term of patent 3½ years



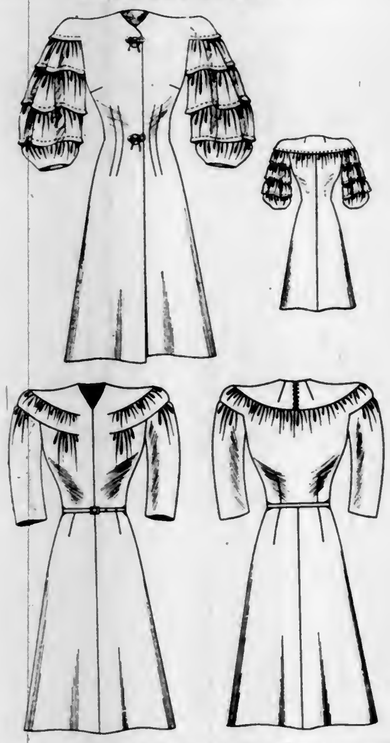
The ornamental design for a dress, substantially as shown.

128,083
DESIGN FOR A DRESS
Beatrice Greene, New York, N. Y.
Application June 11, 1941, Serial No. 101,386
Term of patent 3½ years



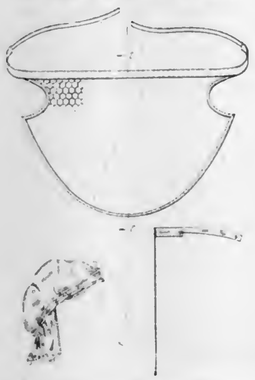
The ornamental design for a dress, substantially as shown.

128,084
DESIGN FOR A DRESS ENSEMBLE
Stella Brownie Kaufman, New York, N. Y.
Application June 13, 1941, Serial No. 101,439
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,085
DESIGN FOR A HAIR WAVE PROTECTOR
Emma L. Rueger, Piedmont, Calif.
Application May 20, 1940, Serial No. 92,475
Term of patent 7 years



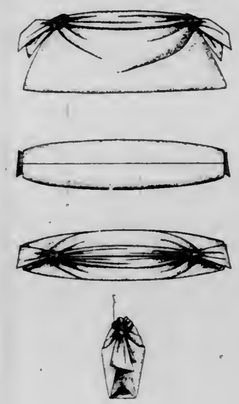
The ornamental design for a hair wave protector, substantially as shown.

128,086
DESIGN FOR A DRESS
Mary E. Tetreault, New York, N. Y.
Application June 11, 1941, Serial No. 101,381
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,087
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application June 4, 1941, Serial No. 101,275
Term of patent 3½ years



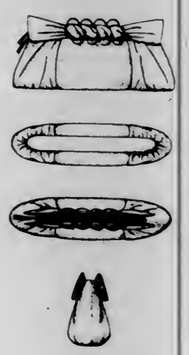
The ornamental design for a handbag, substantially as shown.

128,088
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application June 4, 1941, Serial No. 101,277
Term of patent 3½ years



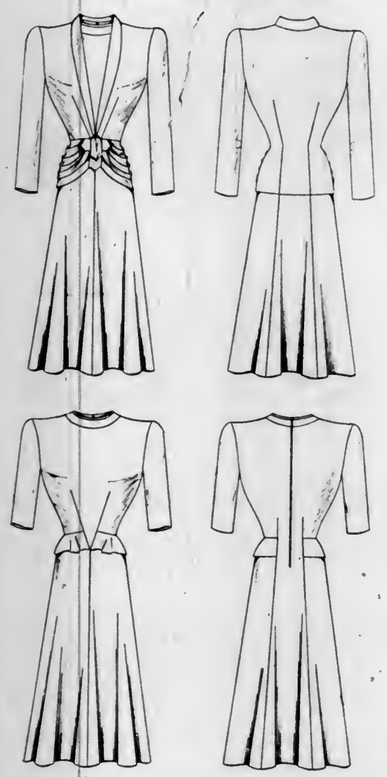
The ornamental design for a handbag, substantially as shown.

128,089
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application June 4, 1941, Serial No. 101,278
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

128,090
DESIGN FOR A DRESS ENSEMBLE
Gilberte Andrée, New York, N. Y.
Application June 12, 1941, Serial No. 101,415
Term of patent 3½ years



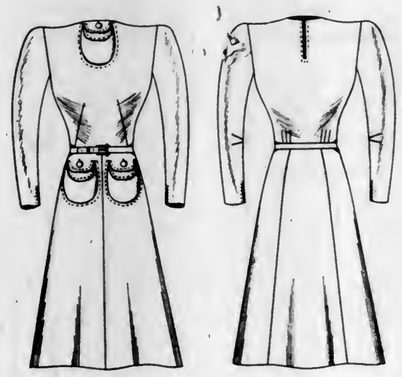
The ornamental design for a dress ensemble, as shown.

128,091
DESIGN FOR A SHOE
George H. Bingham, Jr., Cambridge, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Application November 18, 1940, Serial No. 96,649
Term of patent 3½ years



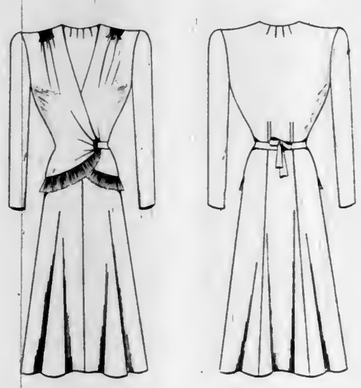
The ornamental design for a shoe, substantially as shown and described.

128,092
DESIGN FOR A DRESS
Miguel Dorian, New York, N. Y.
Application June 13, 1941, Serial No. 101,442
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,093
DESIGN FOR A DRESS
Beulah Fontana, New York, N. Y.
Application June 12, 1941, Serial No. 101,408
Term of patent 3½ years



The ornamental design for a dress, as shown.

128,094
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application June 10, 1941, Serial No. 101,364
Term of patent 3½ years



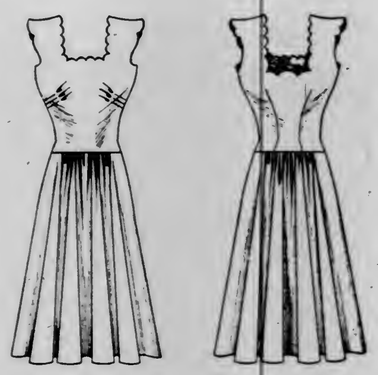
The ornamental design for a dress, substantially as shown.

128,095
DESIGN FOR A DRESS
Beatrice Greene, New York, N. Y.
Application June 11, 1941, Serial No. 101,383
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,096
DESIGN FOR A DRESS
Beatrice Greene, New York, N. Y.
Application June 11, 1941, Serial No. 101,384
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,097
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application June 7, 1941, Serial No. 101,334
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,098
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application June 7, 1941, Serial No. 101,335
Term of patent 3½ years



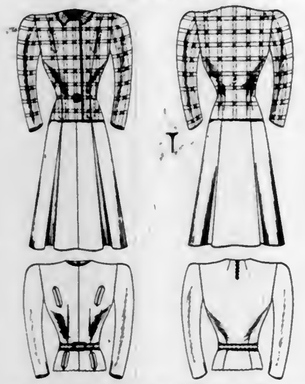
The ornamental design for a dress, substantially as shown.

128,099
DESIGN FOR A DRESS ENSEMBLE
Stella Brownie Kaufman, New York, N. Y.
Application June 13, 1941, Serial No. 101,440
Term of patent 3½ years



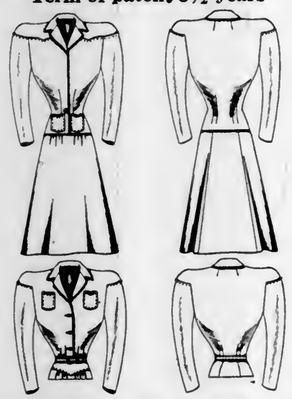
The ornamental design for a dress ensemble, substantially as shown.

128,100
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application June 13, 1941, Serial No. 101,434
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,101
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application June 13, 1941, Serial No. 101,436
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,102
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application June 13, 1941, Serial No. 101,437
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,103
DESIGN FOR A DRESS ENSEMBLE
Mae Ponzio, Atlantic Beach, N. Y.
Application June 13, 1941, Serial No. 101,441
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 528—No. 2 TUESDAY, JULY 8, 1941 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of July 8, 1941	243
Disclaimers	243
Trade-Mark Registrations Canceled	243
Adjudicated Patents	243
Briefs in Appealed Cases	244
Applications Under Examination	
Decisions of the U. S. Courts—	
Detrola Radio and Television Corporation *v.* Hazeltine Corporation	245
Eppensteiner, Hillyer and The American Metal Company, Limited *v.* Coe, Commissioner of Patents	248
Schreiber *v.* Coe, Commissioner of Patents	249
Abercrombie, Assignee of Walter E. King *v.* Coe, Commissioner of Patents	249
In re White	249
Patent Suits	250
Changes in Classification	252
Trade-Marks Published (135 Applications)	253
Trade-Mark Registrations Granted	268
Trade-Mark Registrations Renewed	276
Patents Granted	279
Designs	489

JULY 8, 1941

Trade-marks	137	No. 388,688 to No. 388,824, inclusive
T. M. Renewals	66	
Patents	880	No. 2,248,038 to No. 2,248,917, inclusive.
Designs	136	No. 128,104 to No. 128,239, inclusive.
Total	1,219	

Disclaimers

1,968,818.—*Robert F. Dirkes*, Jamaica, and *George I. Roberts*, New York, N. Y. Tape Control for Projectors. Patent dated August 7, 1934. Disclaimer filed June 17, 1941, by the assignee, *The Western Union Telegraph Company*.

Hereby enters this disclaimer to claims 1, 3, and 5 of said patent.

2,163,969.—*Paul E. Whalen*, Bedford, Ind. Hydraulic Lash Adjuster. Patent dated June 27, 1939. Disclaimer filed June 16, 1941, by the patentee.

Hereby enters this disclaimer to claims 16 and 20 of said specification.

2,186,826.—*Robert F. Edgar*, Schenectady, N. Y. Eccentricity Indicator. Patent dated January 9, 1940. Disclaimer filed June 10, 1941, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 2, 3, and 4 of said Letters Patent.

2,206,838.—*William J. Emerson*, Kensington, Conn. Dispensing. Patent dated July 2, 1940. Disclaimer filed June 19, 1941, by the assignee, *Connecticut Paper Products Inc.*

Hereby enters this disclaimer of claim 3.

2,207,444.—*Ernest R. Schroeder*, Hawthorne, N. J. Car Bumper. Patent dated July 9, 1940. Disclaimer filed June 17, 1941, by the patentee.

Hereby enters this disclaimer to claims 15 and 16 in said specification.

Trade-Mark Registrations Canceled

316,542. Wines. Rebecca Applebaum, doing business as Monarch Wine Co., New York, N. Y. Registered August 28, 1934. Canceled June 20, 1941.

370,875. Gasoline, kerosene, and lubricating oils. John H. Tuell, doing business as Guarantee Oil Company, Connersville, Ind. Registered September 12, 1939. Canceled June 20, 1941.

377,030. Paste for cleaning and polishing glass and metal. Alfred Emiley, New Lenox, Ill. Registered April 16, 1940. Canceled June 20, 1941.

383,298. Insecticides and fungicides. Miller Chemical & Fertilizer Corp., Baltimore, Md. Registered December 3, 1940. Canceled June 20, 1941.

Adjudicated Patents

(C. C. A. Puerto Rico) McHugh patent, No. 1,503,657, for process of manufacturing sugar, claims 1, 3, and 4 *Held* invalid. *Dorr Co.* v. *Yabucoa Sugar Co.*, 119 F.(2d) 521.

(C. C. A. Puerto Rico) Coe patent, No. 1,686,203, for thickening apparatus, claim 2 *Held* invalid. *Id.*

(D. C. Del.) Bedell reissue patent, No. 20,945, for device for indicating oscillograph curves as stationary, claims 4, 6, 7, 8, 9, 10, 11, 12, and 13 *Held* valid and infringed. *General Radio Co.* v. *Allen B. DuMont Laboratories*, 38 F. Supp. 495.

Briefs in Appealed Cases

All briefs filed in this Office should have conspicuously printed thereon a statement designating the particular tribunal of the Patent Office to which the brief is addressed.

Condition of Applications Under Examination at Close of Business June 21, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,850; Trade-Mark Division, 1,421. Oldest new case, Sept. 19, 1940; oldest amended, Sept. 11, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	†Dec. 31	Jan. 6	629
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Jan. 17	Jan. 9	540
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Apr. 22	Apr. 22	386
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Feb. 27	Feb. 20	548
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 3	Mar. 3	415
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	†Nov. 18	†Nov. 28	1172
5725	7. JARBOE, C. G., Optics; Photography	Jan. 8	†Dec. 20	955
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	†Nov. 30	†Nov. 30	862
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Feb. 1	Feb. 3	665
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Feb. 4	Feb. 15	446
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 12	Feb. 18	411
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Jan. 2	†Dec. 23	556
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	†Dec. 23	†Dec. 23	483
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Mar. 5	Feb. 28	535
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	†Dec. 30	†Dec. 18	1048
5716	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 7	Feb. 20	540
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 27	Jan. 17	561
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 30	Jan. 31	451
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 4	Feb. 12	682
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 5	Feb. 8	434
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 21	Feb. 20	329
3600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Oct. 1	†Oct. 2	1496
7624	23. BUTTNER, W. J., Registers (part)	†Oct. 24	†Oct. 2	268
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 8	†Dec. 21	844
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 18	Feb. 20	497
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Feb. 28	Mar. 4	395
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Jan. 30	Jan. 28	547
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Jan. 25	Jan. 11	422
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Jan. 4	Jan. 15	701
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Feb. 21	Feb. 28	527
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Jan. 10	Jan. 10	1347
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 6	Feb. 3	975
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Feb. 3	Feb. 6	961
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	†Nov. 30	†Dec. 24	466
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Jan. 14	†Dec. 31	980
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Jan. 13	Jan. 14	520
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Dec. 21	Jan. 27	555
3064	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Sept. 19	†Sept. 11	1247
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 18	Feb. 21	595
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	†Dec. 3	†Dec. 2	1787
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Jan. 27	Jan. 24	481
5882	42. CUTTING, H. O., Electric Signaling	Mar. 10	Mar. 8	331
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	†Dec. 5	†Dec. 14	607
4087 B	44. HARVEY, L. P., Refrigeration	†Dec. 27	†Dec. 31	638
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Apr. 2	Mar. 31	341
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Feb. 4	Feb. 4	678
6082	47. KANOF, W. J., Clutches; Brakes	Feb. 8	Feb. 11	337
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 28	Feb. 28	509
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	†Dec. 19	†Dec. 2	736
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber Coating Processes	†Dec. 26	Jan. 2	1106
5628	51. BACKUS, C. D., Radiant Energy (part)	Apr. 8	Apr. 5	480
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits	Feb. 27	Feb. 15	637
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	†Dec. 9	†Dec. 13	855
5863	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Jan. 13	Jan. 9	362
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 29	Jan. 27	305
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	†Nov. 25	†Nov. 22	1224
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	†Nov. 8	Mar. 1	161
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	†Dec. 5	†Dec. 24	514
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	†Dec. 30	Jan. 4	1007
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Jan. 21	Apr. 7	350
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 8	Mar. 22	307
5621	62. PUGH, E. C., Games; Geometrical Instruments	Apr. 5	Mar. 20	486
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	†Dec. 12	†Dec. 12	1049
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Mar. 21	Mar. 24	548
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Mar. 28	Mar. 31	338
2099 B	Trade Marks: F. A. RICHMOND	May 2	May 23	1421
2605	Designs: H. H. KALUPY	May 19	May 26	685

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

DETROLA RADIO AND TELEVISION CORPORATION

v.

HAZELTINE CORPORATION

No. 666. Decided May 12, 1941

1. PATENTABILITY—ANTICIPATION.
In considering the validity of the patent to W, patents issued before his date of conception and other patents issued before his patent on applications antedating his date of invention and pending when his application was filed all constitute prior art.

2. SAME—CIRCUIT TO CONTROL AMPLITUDE OF AMPLIFIED SIGNAL VOLTAGE.
Claims 1 to 8, inclusive, and 10 to 13, inclusive, of Wheeler Reissue Patent No. 19,744, for a circuit designed automatically to control the amplitude of amplified signal voltage in modulated carrier-current signalling systems *Held* invalid since W accomplished an old result by a combination of means which, singly or in similar combination, were disclosed by the prior art, and since his advance over the prior art, if any, required only the exercise of the skill of the art.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Sixth Circuit. Judgment reversed and cause remanded for further proceedings in conformity with the opinion.

Mr. Samuel E. Darby, Jr., (*Mr. Floyd H. Crews* and *Mr. Henry P. Rosin* with him on the brief) for Detrola Radio and Television Corporation.

Mr. William H. Davis (*Mr. R. Morton Adams*, *Mr. George E. Faithfull*, and *Mr. W. Peters Blanc* with him on the brief) for Hazeltine Corporation.

Mr. Justice ROBERTS delivered the opinion of the Court.

July 7, 1927, Harold A. Wheeler applied for a patent for a circuit designed automatically to control the amplitude of amplified signal voltage in modulated carrier-current signalling systems. Patent No. 1,879,863 issued September 27, 1932, to the respondent as assignee of Wheeler.

A suit was brought in the Eastern District of New York for infringement of claims 1, 5, 6, and 10.[1] The district court held the claims invalid for want of invention. The Circuit Court of Appeals for the Second Circuit affirmed the decree.[2]

September 26, 1934, while the appeal to the circuit court of appeals was pending, respondent applied for a reissue. After the decision of the circuit court of appeals respondent redrafted the claims and, October 29, 1935, a reissue patent, No. 19,744, was granted. The present suit was thereafter instituted against the petitioner for infringement of all the thirteen claims of the reissue except claim 9. The district court held the patent valid and infringed and its decree was affirmed by the circuit court of appeals.[3] The petition for certiorari presented, inter alia, the question whether the decision conflicts with that of the second circuit.

[1] *Hazeltine* v. *Abrams*, 7 F. Supp. 908.
[2] *Hazeltine* v. *Abrams*, 79 F.(2d) 329.
[3] *Detrola Radio and Television Corporation* v. *Hazeltine Corporation*, 117 F.(2d) 238.

Control of the amplification of a modulated carrier-wave signal is useful in connection with transmitting and receiving apparatus and, in the original patent, Wheeler claimed his system as respects both. In his specifications, however, he confined himself to its application to receivers, wherein its function is to control the volume of sound emitted from the loud speaker. In broadcasting, a high frequency wave, known as a carrier wave, is impressed with another low frequency wave or, as it is said, modulated. The high frequency, or signal, wave is picked up by the antenna of a receiver and conducted thence to the input of an amplifying device which consists of an amplifier tube, or several of them in series. These tubes have three electrodes, a cathode, an anode, and a grid, and are called triodes. The signal wave, as amplified, is carried from the output of the amplifying device to the input of a vacuum tube, known as a detector or rectifier, which transmutes the alternating current into a unidirectional or direct pulsating current. This is led to audio tubes which enhance its volume, and thence to a loud speaker. Such a receiving set has other equipment for selecting signals of varying frequency and adjusting the amplification of the audio waves, with which we need not concern ourselves.

One of the problems of the art has arisen from variations of the received signals. When the set is tuned from a weak signal to a much stronger one the tendency is for potential to build up in the last amplifying tube, which results in what is known as blasting in the loud speaker. Often the same signal varies in intensity. Weakening may result in fading, whereby the sound production weakens or disappears; and strengthening may beget distortion of the sounds emitted.

Wheeler essayed to obviate these objectionable features. It was known that the amplification of the carrier signal could be controlled by increasing or decreasing the potential upon the grid of a triode amplifier. Wheeler proposed automatically to vary this potential so as to increase or decrease the degree of amplification and thus hold it at a substantially predetermined level. To this end he provided means to increase the negative potential upon the anode of the detector tube in step with the increased strength of the signal and to conduct a direct current from that anode to the grid electrode of one or more of the amplifying tubes. Thus an increase of the strength of the signal would automatically increase the negative potential on the grid of the amplifier and decrease the amplification; the reverse result would be effected if the signal weakened. The means he adopted to accomplish this were alternative.

According to one method the signal was amplified to a comparatively high voltage, and a diode used as a detector. The output voltage from the de-

tector was approximately as great as that of the amplified signal. By coupling the cathode and anode of the detector and inserting a resistance in the coupling he could maintain the anode of the detector slightly negative at all times. Since he connected all the cathodes in parallel the cathode of the detector was maintained at substantially the same potential as the cathode of the radio frequency amplifier. By this means the anode of the detector could be maintained normally negative relative to at least a part of the amplifier cathode. When the rectified current flowing through the detector circuit increased with the strength of the signal there was developed at the output terminal of the detector circuit, through the operation of the resistance, which was also connected between the anode of the detector and the grid of the amplifier, an increase of negative voltage which, through the direct current connection from the terminal of the detector circuit to the grid of the amplifier, increased the negative potential thereof, and lessened the signal amplification. Conversely, if the strength of the signal current decreased, the negative potential developed upon the anode of the detector correspondingly decreased and there was a decreased inhibition of the amplifying power of the signal amplifier.

In his alternative method, he accomplished the same result with a triode detector. In this arrangement he maintained a negative voltage on the grid of the detector triode by the use of a battery and a potentiometer connected across the cathode of the detector tube. The output circuit of the detector included a resistance connected between the anode of the detector and the common "B" battery of a radio set. A direct connection was provided from the output terminal of this circuit to the grid of the signal amplifier for impressing thereon the potential developed on the anode of the detector. The amplified signal voltage operated to bring into play the voltage of the battery which created the potential on the anode of the detector.

According to the specifications, each arrangement had advantages and disadvantages. The diode detector used in the first furnished no amplification but it dispensed with the necessity of an additional battery or source of current supply. The second not only required an additional battery but an adjustment between the voltage delivered by the two batteries which cooperate to vary the negative potential on the anode of the triode detector.

Both arrangements include devices to prevent the passage from the detector to the audio tubes, and from the detector to the grid of the amplifier tubes, of undesired forms of electrical energy and both embrace means to provide a time constant with respect to the transmission of negative potential from the anode of the detector to the grid of the amplifier. None of these are now asserted to be novel or to constitute a part of the asserted invention.

In Wheeler's drawings and specifications he exhibited both methods and said of them that they operate "substantially in the same manner," and again that they are "substantially similar in operation." In his application he presented claims which did not specify the kind of detector to be used, and others calling for a diode. All of the latter were disallowed and he concurred in their cancellation without prejudice. He had asserted in prosecuting his application that "the invention can obviously be used with any kind of detector." Nine claims were finally allowed. Just before the patent issued, and nearly five years after original application, Wheeler presented a number of additional claims. In two he described the detector as a diode and in one of these he denominated the resistance connected between the detector anode and the amplifier cathode as a "high resistance." He asserted that these two claims were "practically the same as allowed claim 11," which became claim 1 of the patent as issued and specified no particular form of detector tube and no high resistance. They were allowed as claims 10 and 11 of the patent as issued.

[1] In the Abrams suit only claims 1, 5, 6, and 10 were in issue. The contention was that the invention was a broad one covering the principle of automatic volume control by means of any form of circuit. The defendant insisted that the patent involved no invention in view of the prior art and cited patents issued before Wheeler's date of conception[4] and others issued before the patent in suit on applications antedating his date of invention and pending when his application was filed.[5]

Some of these were for transmission systems and some for receiving systems. Several disclosed automatic amplification control. All constituted prior art.[6] Hazeltine attempted to distinguish them from the Wheeler patent in three respects. It contended that Wheeler's patent was limited to the receiving art and that prior inventions addressed to automatic amplification control in transmission did not constitute anticipation. The district court answered that Wheeler's patent was not limited but was for any modulated wave carrier signalling system. Hazeltine also insisted that some of the prior art dealt with amplification control in amplifiers beyond the detector rather than in those through which the controlled current passed before it reached the detector, as in Wheeler. The district court was unable to find any such distinction from the prior art in the Wheeler claims. Finally Hazeltine urged that the time constant device was not found in the prior art cited. The district court held that if any of these alleged differences constituted invention on Wheeler's part the claims did not disclose them, and that to sustain Hazeltine's contention would be to rewrite the claims.

[4] Wheeler's date of conception of his invention, according to his testimony was December 17, 1925.

[5] Affel, 1,574,780, March 2, 1926; Heising, 1,687,245, October 9, 1928; Bjornson, 1,666,676, April 17, 1928; and Schelleng, 1,836,556, December 15, 1931. Friis, 1,675,848, July 3, 1928, and Evans, 1,736,852, November 26, 1929, were also cited but not discussed in the opinion. It was stipulated that the disclosures and claims of these patents did not differ materially from those embodied in the applications therefor.

The circuit court of appeals took a more liberal view of the Wheeler patent as evidenced by the claims in connection with the specifications. It assumed, for the purposes of decision, that Wheeler's patent was limited to receivers. It recognized the difference between the feed of the negative potential back to the radio frequency amplifiers instead of forward but it found no invention in the change. It held there was no invention in the provision of a time constant. That court, therefore, found that all Wheeler did was to take certain obvious steps in an already crowded art, which steps were based upon various disclosures of that art, and that the changes he made did not amount to invention. Both the district court and the circuit court of appeals found that the mention of a diode detector in claim 10 represented no new inventive element since at least one of the patents in the prior art—that of Heising—disclosed the use of such a tube in an automatic amplification control system.

Confronted with these holdings Hazeltine, as has been stated, rewrote the specifications and claims in its application for reissue. It eliminated all reference to the use of a triode detector in its drawings and specifications and limited them to a system employing a diode. Certain of the claims of the old patent, however, were retained which make no distinction between a diode and a triode since they refer merely to a detector. Hazeltine also altered the specifications to refer particularly to a diode and a high resistance. Such a high resistance had been claimed as part of the invention in claim 11 of the original patent, which claim was not in suit in the Abrams case. This fact is significant for, if the high resistance had been considered novel or essential to the invention, it is hard to see why suit was not founded on claim 11, the only claim which disclosed it.

It is evident that Hazeltine found it necessary to abandon its broad claims to a monopoly of automatic volume control circuits and to limit the claims to an alleged improvement in such circuits. The petitioner insists that the effort is unavailing for the reason that the patent, as defined in the reissue, fails to disclose invention in view of the prior art.

As is admitted, automatic amplification control was old in the art when Wheeler made his alleged invention. The invention must then consist in the conception of improved means for obtaining such control. The courts below have found invention in the combination in a radio receiver of a diode detector with a high resistance connected between the anode of the detector and the cathode of the amplifying tube and a direct connection between the anode and the grid of the amplifier for impressing negative potential upon the latter, thus obtaining from the signal voltage a so-called linear response to the variations in the amplitude of the signal current. This combination, they held, was such an advance in the art as to constitute invention. We think the decision below conflicts with that in the Abrams case and fails to give due weight to the disclosures of the prior art.

The circuit court of appeals distinguishes from Wheeler's conception automatic amplification control used in receivers, such control used in transmitters, such control used for other purposes than volume control of audio waves, or accomplished by the use of a triode or by means other than those which employ the signal current itself and also sets apart amplification control which does not produce a linear response.

There can be no question that the patents cited as prior art disclose the accomplishment of linear response. The curve exhibited in Wheeler's drawings to illustrate the result of the use of his system is duplicated in similar curves by Affel and Friis. It cannot be claimed, therefore, that Wheeler has accomplished a new result. At most he can have obtained an old result by new means.

The prior art discloses that automatic amplification control is useful both in receiving and transmitting devices for the accomplishment of various ends, including volume control. We agree with the Circuit Court of Appeals for the Second Circuit that the limitation of Wheeler's claims to receivers of radio signals would not spell invention.

The respondent insists, and the courts below held, that the reissue patent is limited to claiming a diode detector and a high resistance connected between the detector anode and the amplifier cathode and a direct connection of anode with cathode. Passing the fact that claims 2, 3, and 6 in suit embrace any sort of detector without limitation, and assuming that the reissue is limited as suggested, it remains that practically all of the patents cited from the prior art employ a resistance to impress the required potential on the amplifier grid for controlling amplification and that two of them, those of Heising and Slepian, disclose the use of a resistance in connection with a diode.

The court below distinguishes Heising on the ground that his purpose was not to control the volume of audio waves but rather to use less current in the radio frequency amplifiers of a transmitter. We hold, as did the Circuit Court of Appeals of the second Circuit, that these distinctions do not negative anticipation by Heising. With respect to Slepian, the court below remarks that his device was intended to accomplish a different end. This is true for his object was to provide a receiving system which would admit of an extremely high amplification of received signal impulses. But the use of automatic amplification control, whatever the end in view, is the critical consideration.

The court below states that neither Heising nor Slepian succeeded in producing automatic amplification control. In this the court overlooked the uncontradicted testimony of the respondent's expert, Dr. Hazeltine, who flatly testified that each of them does produce it. And Heising produces it from the signal current by the use of a diode detector, a

[6] *Alexander Milburn Co.* v. *Davis-Bournonville Co.*, 270 U. S. 390.

"high resistance" inserted between the anode thereof and the cathode of the amplifier and a direct current connection from the detector anode to the amplifier cathode.

We think the court below was in error in stating that all the workers in the prior art obtained their control potential from an additional battery whereas Wheeler obtained it from signal energy. This is not true of Heising or Slepian.

Nor can Wheeler claim novelty, as the court held, in the production of a linear response. While Friis obtained energy for the production of potential from a battery, he discloses a resulting linear response comparable to that claimed by Wheeler. If, as is now asserted, the insertion of a high resistance between the anode of the detector and the cathode of the amplifier is an integral part of Wheeler's conception, it may be noted that a resistance to develop a potential to be carried to the amplifier grid is disclosed by prior inventors, including Heising, Friis, Slepian, Affel, and Evans and several of them describe it as Wheeler does, namely, a "high resistance."

[2] We conclude that Wheeler accomplished an old result by a combination of means which, singly or in similar combination, were disclosed by the prior art and that, notwithstanding the fact he was ignorant of the pending applications which antedated his claimed date of invention and eventuated into patents, he was not in fact the first inventor, since his advance over the prior art, if any, required only the exercise of the skill of the art.

The judgment is reversed and the cause is remanded for further proceedings in conformity with this opinion.

Reversed.

U. S. Court of Appeals for the District of Columbia

EPPENSTEINER, HILLYER AND THE AMERICAN METAL COMPANY, LIMITED

v.

COE, COMMISSIONER OF PATENTS

No. 7,395. Decided April 29, 1940. Rehearing denied June 24, 1940

[114 F.(2d) 457]

PATENTABILITY—METHOD AND APPARATUS FOR CASTING COPPER.

Claims to a method and to an apparatus for casting copper or similar metal in vertical molds *Held* properly denied to appellants where it could not be said that the Patent Office and the district court were clearly wrong in finding that the adaptation of the prior art references to the casting of copper did not involve invention, and another claim *Held* properly denied to appellants as not patentably different from an allowed claim.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Joseph H. Milans and *Mr. Calvin H. Milans* for Eppensteiner, Hillyer and The American Metal Company, Limited.

Mr. W. W. Cochran for the Commissioner of Patents.

Before STEPHENS, EDGERTON, AND RUTLEDGE, Associate Justices

EDGERTON, *J.:*

This is an appeal from a judgment dismissing, for lack of invention, a bill to authorize the issue of a patent.[1]

The claims relate to a method and an apparatus for casting copper or similar metal in vertical molds. The purpose is to avoid "pitting" and "cold sets" due to splashing. Applicant uses a manually operated overflow ladle, with a discharge passage below its upper edge, which is gradually filled with molten metal as it is lowered (or, on occasion, raised) in the mold.

Hosack's patent, No. 1,375,589, to avoid splashing in the casting of "steel and other metals," uses a suspended pilot ladle, raised and lowered by either mechanical or manual means, which receives molten metal and is lowered into the mold. Hosack shows several varieties of ladle, including one which has "a plurality of holes around it" and one in which the hole in the bottom is plugged. Ennor's patent, No. 1,983,579, for the casting of "metal," shows a receiver, with closed bottom, which may be gradually lowered into the mold. The Walker patent, No. 597,367, for casting "metals . . . such as copper," uses a ladle, with a pouring-lip below its top, as a means to reduce the fall of the metal and thereby avoid "cold-set or core, splash, or cling."

As Hosack's falling stream is perpendicular, his ladle moves in a straight path to receive the stream. Applicant pours his metal in a curved stream; this, he says, is the necessary method of casting copper into vertical molds, since copper cannot be undertapped. Accordingly he moves his ladle through a curved path. As the Examiner says,

> "It is obvious that the essence of the Hosack method is that the ladle must follow the path of the stream, so that the metal will be intercepted by the ladle before it reaches the mold. If the ladle is to be filled by a spout producing a curved stream instead of a straight one, it is obvious that . . . the ladle must follow a curved path."

Applicant points to differences between the casting of copper and the casting of other metals which, he says, make Hosack useless for copper. Applicant's apparatus and method are useful and extensively used. But we cannot say that the Patent Office and the district court are clearly wrong in finding that the adaptation of Hosack and the other references to the casting of copper did not involve invention.

> "The question for us is not whether in our opinion there was invention, but whether the finding that there was none is consistent with the evidence." *Abbott* v. *Coe*, App. D. C., 109 F.(2d) 449, 68 W. L. R. 272.

The Patent Office has allowed a claim for a ladle with a main and a supplemental handle. We agree with the district court that rejected claim 22 is not patentably different.

Affirmed.

STEPHENS, *J.*, concurs in the result.

[1] R. S. § 4915; U. S. C. Tit. 35, § 63.

U. S. Court of Appeals for the District of Columbia

SCHREIBER *v.* COE, COMMISSIONER OF PATENTS

No. 7,644. Decided April 14, 1941. Rehearing denied May 8, 1941

[— F.(2d) —]

PATENTABILITY—TRACKLESS-TROLLEY BUS.

Claims to a trackless-trolley bus *Held* properly denied to appellant for lack of invention over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Joseph W. Hazell (*Mr. Theodore A. Hostetler* with him on the brief) for Schreiber.

Mr. W. W. Cochran (*Mr. H. S. Mackey* of counsel) for the Commissioner of Patents.

Before GRONER, C. J., and EDGERTON and RUTLEDGE, Associate Justices

EDGERTON, *J.:*

This is a suit[1] to obtain a patent. The Patent Office and the district court held that the appealed claims lack invention. The claims relate to a trackless-trolley bus which has two independent sources of power: (a) two trolley poles which engage positive and negative trolley wires and (b) an internal combustion engine, electric generator, and motors. Switching means are provided so that electric power may be drawn from either source. Appellant's bus is in successful operation.

Trackless trolleys are old. The concept of furnishing them with internal as well as external sources of power is not new. Strobel Patent 1,188,570 combines, in a single vehicle, an internal source of power and electric current obtained through a trolley. Though Strobel relates primarily to locomotives, his specification states:

> "The invention is not limited to the employment of a steam engine as the prime mover. An internal combustion engine may be employed. . . . The invention also applies to signal transportation units, comparable to single trolley cars. . . . A track is not essential. Trackless trolley vehicles may be employed, in connection with an overhead transmission wire."

Parsons Patent 1,835,895 shows that the use of positive and negative trolley wires is old. Appellant's substitution of positive and negative wires, engaging two trolley poles, for Strobel's single trolley wire and third rail seems obvious. It is unnecessary to consider the other references.

Affirmed.

[1] Under R. S. Sec. 4915, U. S. C. Tit. 35, Sec. 63.

U. S. Court of Appeals for the District of Columbia

ABERCROMBIE, ASSIGNEE OF WALTER E. KING

v.

COE, COMMISSIONER OF PATENTS

No. 7,655. Decided April 14, 1941

[— F.(2d) —]

1. PATENTABILITY—BLOWOUT PREVENTER.

Claims to a blowout preventer using well pressure, independent fluid pressure, and a manually operated screw as three independent sources of power *Held* properly denied to appellant as lacking invention over the prior art.

2. SAME—DOUBLE PATENTING—BLOWOUT PREVENTER WITH PACKING.

Claims to the combination of a packing and a blowout preventer *Held* properly denied to appellant, since the granting thereof would involve double patenting.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Lester B. Clark (*Mr. Emmett L. Sheehan* with him on the brief) for Abercrombie, assignee of Walter E. King.

Mr. W. W. Cochran (*Mr. Edwin L. Reynolds* of counsel) for the Commissioner of Patents.

Before GRONER, C. J., and EDGERTON and RUTLEDGE, Associate Justices

EDGERTON, *J.:*

This is a suit[1] to obtain a patent. The Patent Office and the district court held that the claims lack invention.

[1] The claimed device is a blowout preventer, with rams and pistons, for sealing the head of an oil well by closing the space between the drill pipe and the well casing. For this purpose apellant uses three independent sources of power; well pressure, independent fluid pressure, and a manually operated screw. Abercrombie Patent 1,834,922 uses, in a blowout preventer, fluid pressure and a manually operated screw; similarly, Rasmussen Patent 1,709,949 uses well pressure and independent fluid pressure. Appellant's use of all three of these previously-used sources of power is not inventive. Claims which call for the admission of both fluid pressures behind the rams as well as behind the pistons have been allowed and are not involved in this appeal.

[2] Appellant claims a packing with oppositely-flared resilient lips, which is practically identical with King Patent 2,081,040. Though the King claims do not mention blowout preventers, the King specification states that the packing "will withstand enormous pressures" and points out that one of the accompanying drawings shows the packing

> "in position on a pump piston which piston may be of the type used in the blowout preventer or slush pumps in the drilling of wells."

The King specification also states that

> "the combination of the present type packing with a blowout preventer is claimed in my simultaneously filed copending application Serial No. 617,837 for a Blowout preventer."

No. 617,837 has been assigned by King to appellant, and is the application now on appeal. Use of the King packing in appellant's blowout preventer is not inventive. The granting of the appealed claims would involve double patenting, with consequent prolongation of the patent monopoly.

Affirmed.

[1] Under R. S. Sec. 4915, U. S. C. Tit. 35, Sec. 63.

U. S. Court of Customs and Patent Appeals

IN RE WHITE

No. 4,444. Decided March 31, 1941

[118 F.(2d) 367]

PATENTABILITY—CLOSURE FOR SEALING PACKING RECEPTACLES.

Claims for a closure for sealing packing receptacles *Held* patentable, since applicant had a new concept and in applying that concept it was necessary to modify the structure shown in the prior patents cited, and as several advantageous results flow from applicant's closure.

APPEAL from Patent Office. Reversed.

Mr. Comfort S. Butler and *Mr. Earle D. Crammond* for White.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.:*

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for lack of patentability over the cited prior art, claims 7 to 11, inclusive, of appellant's application for a patent. No claims were allowed.

Claim 7 is illustrative and reads as follows:

7. A closure for sealing packing receptacles, comprising a shell having a top and depending annular skirt, said skirt being formed at its upper end with a shallow restricted annular portion which is of relatively small diameter, and with a substantially non-distensible lower portion which at both its upper and lower limits is of materially larger internal diameter than said restricted portion, said skirt having formed in its lower portion a plurality of circumferentially distributed inwardly projecting substantially rigid embossments which merge at their upper ends into said restricted portion and at their lower ends into said lower portion at a distance above its lower margin and outwardly beyond said restricted portion, and a gasket of plastic sealing material secured in the shell against the top with its periphery alongside said restricted portion of the skirt, said embossments in the skirt being disposed on a radius from its axis such as to permit the mouth of the intended vessel to enter freely into sealing contact with the gasket without any distortion of the shell, and serving to space the lower portion of the skirt outwardly from the mouth of the vessel.

The references cited are: Bayreuther, 1,390,749, September 13, 1921; Orr, 1,478,141, December 18, 1923; Hammer, 1,577,024, March 16, 1926; Carvalho, 1,703,573, February 26, 1929; Scofield, 1,882,995, October 18, 1932.

Appellant's disclosure is described in the decision of the Board of Appeals as follows:

The invention is a closure for use in sealing packing receptacles. Such a receptacle may be the ordinary small circular glass receptacle open at its upper end. The closure comprises a shell having a top and a depending peripheral skirt. A shallow part of the upper end of the skirt has a restricted annular portion. A gasket is arranged within the shell and engages the top and the restricted annular portion. The skirt is also provided with spaced embossments extending inwardly. These embossments are disposed at such a distance from the axis of the closure that the mouth of the receptacle will freely enter the shell without distorting it. This last named feature is regarded by applicant as being the distinguishing feature over the prior art. Applicant, in other words, desires a closure which will freely drop into place over the top end of the receptacle and no pressure need be applied to it to force it down over the top end. Thus there will be no distortion of the closure when it is applied. The closure is intended to be held in place by atmospheric pressure due to evacuating the air from the receptacle after it has been packed.

Each of the references discloses a closure which is forced in place upon the receptacle by pressure and is intended to be held in place by frictional contact between the skirt of the closure and side of the receptacle. Also, each of the references shows spaced embossments for engaging the receptacle. Appellant's embossments are not for that purpose, but serve only as guides to center the closure upon the receptacle.

It is appellant's contention that, since the embossments of the references are applied to secure frictional engagement with the receptacle, distortions in the closure will occur whenever the mouth of the receptacle will not exactly fit the closure, sometimes preventing an air-tight seal, whereas this can not occur in appellant's closure, which has no frictional engagement with the receptacle.

Upon this point the Board of Appeals in its decision stated:

It is not new to exhaust the air from the receptacle so as to use the vacuum to retain the closure in sealing contact. This is referred to in the Carvalho patent. Hence, the only point involved here is whether it is inventive to space the embossments sufficiently far from the axis of the closure so that there is no frictional engagement of the embossments with the receptacle. When this is done, of course the frictional holding feature is eliminated. Ordinarily it is not inventive to omit a part together with its function. In the present case it is argued that a new result is obtained in that distortion of the closure is eliminated.

* * * It seems to us that it would be an obvious expedient to space the embossments in the cited patents a sufficient distance from the axis so that the receptacle would freely enter the shell of the closure without distorting it. If the frictional holding feature is not desired in these patents, it can readily be eliminated and vacuum alone relied upon. Any one skilled in the art would readily appreciate that if the receptacle enter freely into the shell, the latter would not be distorted. We are unable to find that applicant has made any patentable advance over the art. * * *

We are unable to agree with the reasoning of the Board above quoted. None of the reference patentees seem to have realized that, if the closure was properly placed upon the receptacle, atmospheric pressure alone could be relied upon to keep the closure in place, there being a partial vacuum in the receptacle. On the contrary, each of them assumed that friction was necessary for a proper and efficient closure, and indeed frictional engagement between the closure and the top of the receptacle was the principal subject matter of all of the references.

With such frictional engagement it was difficult to remove the closure from the receptacle without puncturing or distorting it, whereas appellant's closure is easily removed without distortion, leaving it fit for further use upon the receptacle.

Upon the record before us appellant was the first to conceive that such frictional engagement was not necessary, but was in some cases a detriment to a satisfactory closure. As it was necessary to modify the structure shown in the references to carry out appellant's conception, and it being conceded that several advantageous results flow from the use of appellant's closure, we think the claims are allowable.

For the reasons hereinbefore stated, the decision of the Board of Appeals is reversed.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,361,143, D. D. Daniel, Attachment for motion picture machines; 1,618,417, Feeney & Godoy, Fire preventing apparatus for motion picture projecting machines; 1,725,574, same, Dowser unit for motion picture projecting machines; 1,658,594, same, Dowser closing mechanism for motion picture projecting machines; 1,725,556, T. T. Allen et al., Dowser control mechanism for motion picture projecting machines, D. C., E. D. Pa., Doc. 9181, *Sentry Safety Control Corp.* v. *H. F. Rahn et al.* Dismissed for want of prosecution Apr. 29, 1941.

1,448,279. (See 2,056,921.)

1,493,301, H. L. Walker, Power control for boring machines; 2,020,868, Barnes & Guirl, Boring machine; 2,042,379, same, Metal working apparatus; 2,098,220, J. S. Barnes, Material working apparatus; 2,178,364, E. J. Svenson, same; 2,036,162, same, Machine tool unit; 2,114,284, J. S. Barnes et al., Machine tool and control therefor, filed Apr. 29, 1941, D. C., N. D. Ill., E. Div., Doc. 2907, *W. F. & John Barnes Co.* v. *International Harvester Co. et al.*

1,503,657, P. M. McHugh, Process of manufacturing sugar; 1,686,203, H. S. Coe, Thickening apparatus, C. C. A., 1st Cir., Doc. 3598, *The Dorr Co., Inc., et al.* v. *Yabucoa Sugar Co.* Judgment of district court affirmed (notice May 2, 1941).

1,540,405, G. J. Kromer, Cap, D. C., E. D. Wis. (Milwaukee), Doc. 4861, *Kromer Cap Co.* v. *J. C. Penny Co., Inc.* Dismissed for want of equity (notice May 6, 1941).

1,585,318, A. W. Tupper, Time-controlled electric signaling device; 1,585,319, same, Periodic electric signaling device, filed Apr. 30, 1941, D. C., E. D. Ill., Doc. 418, *Universal Neon Equipment Co. et al.* v. *Brefeld Hardware Co.*

1,585,319. (See 1,585,318.) 1,618,417. (See 1,361,143.)

1,637,585, R. L. Parker, Sectional railway car, D. C., S. D. Calif. (Los Angeles), Doc. 1091–BH, *R. L. Parker* v. *Union Pacific Railroad Co.* Dismissed with prejudice May 2, 1941. Doc. E 1223–BH, *R. L. Parker* v. *Union Pacific Railroad Co.* Decree as above.

1,646,009, H. M. Cameron, Scale; 1,824,698, M. J. Weber, Combined lever and coil spring type of scale; 2,066,243, Barler & Burkhard, Weighing scale; 2,224,327, 2,098,845, Weber & Vanderhoff, same, filed Apr. 29, 1941, D. C., N. D. Ill., E. Div., Doc. 2906, *Continental Scale Corp.* v. *Harrison Wholesale Co. et al.*

1,658,594. (See 1.361,143.)

1,663,505, W. H. Mason, Hard grainless fiber products and process of making same; 2,120,137, same, Process of making ligno-cellulose fiber products; 2,234,126, same, Ligno-cellulose fiber product; 1,941,536, R. M. Boehm, Hard vegetable fiber product of high strength and process of making same, filed Apr. 11, 1941, D. C., N. D. Ill., E. Div., Doc. 2842, *Masonite Corp.* v. *U. S. Gypsum Co.*

1,677,232, J. F. Gail, Mattress or cushions and boxings therefor and process of making same, filed Mar. 31, 1941, D. C., N. D. Ill., E. Div., Doc. 2770, *Simmons Co.* v. *A. Brandwein & Co., Inc.*

1,686,203. (See 1,503,657.) 1,725,556. (See 1,361,143.)

1,725,574. (See 1,361,143.) 1,824,698. (See 1,646,009.)

1,849,412, H. J. Strong, Trim for windows, doors, etc., C. C. A. 2d Cir., Doc. —, *Trimpak Corp.* v. *Schenectady Lumber Co., Inc.* Decree affirmed (notice May 5, 1941).

1,909,537, R. M. Hollingshead, Jr., Drive-in theatre, filed Apr. 30, 1941, D. C. R. I., Doc. 114, *Park-In Theatres, Inc.*, v. *Loew's Drive-In Theatres, Inc., et al.*

1,913,604, 2,022,514, W. A. MacDonald, Wave signaling system, D. C., E. D. Mich., S. Div., Doc. 2428, *Hazeltine Corp.* v. *General Motors Corp.* Dismissed (notice Apr. 28, 1941).

1,922,415, M. Bank, Electrical—including radio—apparatus, filed Apr. 4, 1941, D. C., N. D. Ill., E. Div., Doc. 2813, *M. Bank* v. *Radiophone Corp.* Same, filed Apr. 18, 1941, D. C., N. D. Ill., E. Div., Doc. 2869, *M. Bank* v. *J. W. Rogatz.*

1,924,422, E. J. Svenson, Valve construction; 1,986,862, same, Fluid controlling means; 2,078,695, same, Automatic lathe and fluid circuit; 2,078,696, same, Hydraulic material working apparatus; 2,078,697, same, Automatic lathe; 2,078,698, same, Material working apparatus and hydraulic system of control therefor; 2,215,257, same, Material working apparatus and control therefor; 2,140,565, same, Material working apparatus; 2,174,850, same, Hydraulic control and actuator mechanism, filed Apr. 29, 1941, D. C., N. D. Ill., E. Div., Doc. 2908, *J. S. Barnes Corp.* v. *International Harvester Co. et al.*

1,941,536. (See 1,663,505.)

1,944,930, H. C. Drake, Flaw detector, filed Apr. 28, 1941, D. C., District of Columbia, Doc. 11190, *Sperry Products, Inc.*, v. *Association of American Railroads.*

1,963,309, R. Muller, Belt, filed Apr. 30, 1941, D. C., S. D. N. Y., Doc. 14/97, *Schaffer Belts, Inc.*, v. *S. & G. Leather Goods Corp.*

1,986,862. (See 1,924,422.)

1,997,959, C. W. Wood, Road material mixing machine, filed Apr. 28, 1941, D. C., S. D. Calif., N. Div., Doc. 96, *Wood Roadmixer Co. et al.* v. *Oilfields Trucking Co. et al.* Doc. 101, *Wood Roadmixer Co. et al* v. *R. E. Hazard Contracting Co. et al.* Same, filed Apr. 26, 1941, D. C., S. D. Calif., C. Div., Doc. 1509–RJ, *Wood Roadmixer Co. et al* v. *Warren Southwest, Inc.*

2,000,851, J. Knell, Outlet box, D. C., N. D. Ill., E. Div., Doc. 195, *J. J. Madden* v. *Appleton Electric Co.* Decree holding claims 1, 3, 5, and 6 valid and infringed, injunction Jan. 17, 1940. Decree reversed, bill dismissed for want of equity Jan. 24, 1941.

2,020,868. (See 1,493,301.) 2,022,514. (See 1,913,604.)

2,023,809, H. K. Heller, Gas mixing apparatus, filed May 2, 1941, D. C., N. D. Calif. (San Francisco), Doc. 21862–R, *Gasair Corp.* v. *Ransome Co.*

2,036,162. (See 1,493,301.)

2,036,550, F. A. Stevens, Ophthalmic mounting and parts thereof; 2,036,551, same, Ophthalmic mounting and method; 2,036,552, same, Ophthalmic mounting; 2,036,553, same, Tool for securing small metal screws in threaded position, D. C., S. D. N. Y., Doc. 10/346, *F. A. Stevens* v. *Recoton Corp. et al.* Consent judgment (notice May 2, 1941).

2,036,551. (See 2,036,550.) 2,036,552. (See 2,036,550.)

2,036,553. (See 2,036,550.) 2,042,379. (See 1,493,301.)

2,056,921, Freimann & Friesner, Sound reproducing apparatus; 2,121,910, F. Freimann, Carrying case for picture projecting apparatus; 2,067,835, J. Erwood, Picture projector; 1,448,279, Pridham & Jensen, Electro dynamic receiver, D. C., N. D. Ill., E. Div., Doc. 634, *The Magnavox Co., Inc.*, v. *Talking Sales Pictures, Inc.* Claims 5 and 6 of 2,121,910 held void for lack of invention; bill dismissed for want of equity Mar. 31, 1941; 2,056,921 and 2,067,835 dismissed without prejudice Feb. 6, 1941. Dismissed by agreement as to 1,448,279 Feb. 7, 1941.

2,066,243. (See 1,646,009.) 2,067,835. (See 2,056,921.)

2,078,695. (See 1,924,422.) 2,078,696. (See 1,924,422.)

2,078,697. (See 1,924,422.) 2,078,698. (See 1,924,422.)

2,098,220. (See 1,493,301.) 2,098,845. (See 1,646,009.)

2,099,815, J. R. Lewis et al., Pre-cooling apparatus, filed May 5, 1941, D. C. La. (New Orleans), Doc. 504, *American Conditioners, Inc.*, v. *A. M. Edwards, Inc., et al.*

2,105,770, H. Holdsworth, Wall construction, appeal filed May 5, 1941, C. C. A., 2d Cir., Doc. —, *Milcor Steel Co.* v. *G. A. Guller Co. et al.*

2,108,247, P. J. Bellavance, Bracelet and method of making same; 2,114,930, P. Manickas, Bracelet, D. C. Mass., Doc. 156, *P. J. Bellavance* v. *Plastic-Craft Novelty Co. et al.* Consent judgment for plaintiff for injunction Apr. 17, 1941.

2,108,953, W. J. Van Rossem, Flexible package for hydrocolloid impression material, D. C., S. D. Calif. (Los Angeles), Doc. 1120–BH, *Surgident, Ltd.*, v. *Dental Research Co. et al.* Patent held valid and infringed, injunction Apr. 30, 1941.

2,114,284. (See 1,493,301.) 2,114,930. (See 2,108,247.)

2,120,137. (See 1,663,505.) 2,121,910. (See 2,056,921.)

2,136,196, M. W. Pitner, Spacer for hair curler, filed Apr. 25, 1941, D. C., S. D. Calif., C. Div., Doc. 1507–B, *Products Development, Inc.*, v. *Artistic Wave Products, Inc., et al.*

2,140,565. (See 1,924,422.)

2,143,194, G. L. Holzapfel, Carburetion apparatus for internal combustion engine, D. C., S. D. Calif., C. Div., Doc. 1385, *G. L. Holzapfel et al.* v. *R. E. Hanson.* Dismissed without prejudice May 2, 1941.

2,151,234, Rutten & Rutten, Building structure, filed Apr. 23, 1941, D. C., N. D. Ill., E. Div., Doc. 2888, *Railoc Co. v. De Muth Steel Products Co.*

2,174,850. (See 1,924,422.)

2,175,011, D. R. Archer, Kneeler, filed May 7, 1941, D. C., E. D. N. Y., Doc. 2001, *Archer Rubber Products Co., Inc., v. E. F. Westfield et al.*

2,178,364. (See 1,493,301.)

2,207,322, R. L. Long, Hanger for sliding doors, D. C., S. D. Calif., C. Div., Doc. 1078–M, *R. L. Long et al. v. Quality Frame & Materials Co.* Patent held valid and infringed May 2, 1941.

2,215,257. (See 1,924,422.)

2,216,921, H. E. Marvel, Method and apparatus for introducing solids into a pressure system, filed Apr. 15, 1941, D. C., N. D. Ill., E. Div., Doc. 2856, *S. F. Bowser & Co., Inc., v. H. L. Goetz.*

2,224,327. (See 1,646,009.)

2,225,655, R. E. Ottenheimer, Display cabinet, filed May 4, 1941, D. C., District of Columbia, Doc. 11280, *R. E. Ottenheimer v. Mayfair Market.*

2,233,638, F. Peck, Door hanger, filed May 1, 1941, D. C. Kans. (Wichita), Doc. 1957, *F. Peck v. R. G. Rumsey et al.*

2,234,126. (See 1,663,505.)

Changes in Classification

Order No. 3,557, June 23, 1941, directs:

In *class 221, Dispensing* (Division 35), establish the following subclasses:

150 **Cooking receptacle type**
151 With heating or cooling means,
152 Compartmented or spaced jacket type,
153 With movable discharge guide,
154 With tilting support,
155 With auxiliary tilting handle
156 With strainer,
157 Lid displacement type,
158 With drip preventer or catcher,
159 With pouring spout, opening or lip
160 With baffle or trap,
161 With force feed,
162 With closure or valve
163 Formed in lid,
164 With lid retainer,
165 With strainer or strainer type,
166 With vent means.

The patents contained in these subclasses have been taken from class 53, Domestic Cooking Vessels, subclasses 3, 3.5, and 6–9, inclusive.

In *class 16, Miscellaneous Hardware* (Division 20), subclass 110, note (2), cancel the reference to class 53, Domestic Cooking Vessels, and in subclass 114 in the note cancel the reference to class 53, **Domestic Cooking Vessels.**

In *class 17, Butchering* (Division 2), subclass 35, add the following note:

Note.—For general receptacle filling apparatus, see class 226, FILLING AND CLOSING PORTABLE RECEPTACLES, particularly subclasses 18, 43, 59, 71, 101, and 125.

In *class 23, Chemistry* (Division 59), subclass 68, cancel the note.

In *class 34, Drying and Gas or Vapor Contact with Solids* (Division 49), subclass 160, note (2), change "16" to *15.*

In *class 44, Fuel and Igniting Devices* (Division 64), subclass 6, in the note cancel "134, Liquid Coating Compositions, subclass 78.6" and substitute:

21—PRESERVING, DISINFECTING AND STERILIZING, subclass 13 and indented subclasses.

In *class 105, Railway Rolling Stock* (Division 34), subclass 232, add the following note:

Search Classes—
110—FURNACES, subclass 101 and indented subclasses, particularly subclasses 105.5 and 105.6.
198—CONVEYORS, POWER DRIVEN, particularly subclass 15;

and in subclass 409 in note (1) change "freight" to *passenger.*

In *class 110, Furnaces* (Division 19), subclass 105.5, number the existing note (*1*) and add:

(2) **Search Classes—**
105—RAILWAY ROLLING STOCK, subclass 232 and indented subclasses.
198—CONVEYORS, POWER DRIVEN, subclass 15, for locomotive-stoker type conveyors without a blower distributor even though the firebox is recited broadly in the claims, where no significant structure of the furnace or means for feeding air or otherwise promoting combustion is claimed.
302—CONVEYORS, FLUID CURRENT, particularly subclass 19.

In *class 128, Surgery* (Division 55), subclass 62, add the following note:

Note.—See class 15, BRUSHING, SCRUBBING AND GENERAL CLEANING, subclass 110, for combined brush and massage tool.

In *class 129, Paper Files and Binders* (Division 53), subclass 28, add the following note:

Note.—Includes rack and pinions, the detent engaging the pinion.

In *class 148, Metal Treatment* (Division 3), subclass 8, add the following note:

(10) Note.—For solid metal pickling apparatus and processes of manipulating it, see class 266, METALLURGICAL APPARATUS, subclass 7.

In *class 198, Conveyors, Power Driven* (Division 4), subclass 15, in note (2) change "104" to *105.5, 105.6.*

In *class 199, Type Casting* (Division 17), subclass 55, number the existing note (*2*) and add:

(1) Note.—See this class, subclass 48, for means within the definition of subclass 47 in which a plurality of molds is employed.

In *class 220, Metallic Receptacles* (Division 40), subclass 61, add the following note:

(4) **Search Class—**
24—BUCKLES, BUTTONS, CLASPS, ETC., subclass 68 and indented subclasses, for ring tighteners per se;

and in subclass 64, in the note cancel "134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC.

In *class 226, Filling and Closing Portable Receptacles* (Division 35), in each of subclasses 18, 43, 59, and 101 add the following note:

Note.—For similar structures used in the stuffing of sausage meat into sausage casings, see class 17, BUTCHERING, subclass 35 and indented subclasses;

and in each of subclasses 71 and 125 number the existing note (*1*) and add:

(2) Note.—For similar structures used in the stuffing of sausage meat into sausage casings, see class 17, BUTCHERING, subclass 35 and indented subclasses.

In *class 266, Metallurgical Apparatus* (Division 3), subclass 7, number the existing note (*1*) and add:

(2) Note.—For pickling processes, see class 148, METAL TREATMENT, subclass 8.

In *class 272, Amusement and Exercising Devices* (Division 57), subclass 54, add the following note:

Note.—For roundabouts of seesaw type, see this class, subclass 30.

In *class 281, Books, Strips and Leaves* (Division 53), main class definition, in note (1) add the following sentence:

When a margin of one sheet is attached to a margin of another sheet to obtain in effect a single sheet of greater area, the resulting article is still regarded as a sheet rather than a book.

In *class 282, Manifolding* (Division 53), main class definition at the end of note (4) cancel the period and add:

in the manner recited in note (1) of the main class definition of class 281.

In *class 283, Printed Matter* (Division 53), main class definition, at the end of note (1) cancel the period and add:

in the manner recited in note (1) of the main class definition of class 281.

In *class 312, Supports, Cabinet Structures* (Division 8), subclass 31, in note (3), in the reference to class 206, Special Receptacles and Packages, add *15.1.*

TRADE-MARKS

OFFICIAL GAZETTE, JULY 8, 1941

[VOL. 528. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 443,150. WILSON & BENNETT MFG. COMPANY, Chicago, Ill. Filed Apr. 30, 1941.

Steri Seald

No claim is made to the word "Seald" apart from the mark.

FOR CONTAINERS—NAMELY, SHEET METAL BARRELS OR DRUMS LINED WITH LACQUER OR OTHER SUITABLE COATINGS AND USED FOR SHIPPING AND STORING VARIOUS PRODUCTS INCLUDING FOODS, MEATS, FRUITS, PAINTS, AND NUMEROUS DIFFERENT FORMS OF CHEMICALS.

Claims use since Apr. 9, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 442,849. NEW YORK BAG CO. INC., New York, N. Y. Filed Apr. 22, 1941.



The words "Hand Bag" and "Washable" and the letter "A" and the representation of the label per se are disclaimed apart from the mark.

FOR POCKETBOOKS AND HANDBAGS.

Claims use since Mar. 3, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 431,549. DURYEA PRODUCTS COMPANY, INCORPORATED, Jersey City, N. J. Filed May 4, 1940.

HAN-DEE

FOR BELT DRESSING.

Claims use since July 1, 1922.

Ser. No. 442,430. SANDPAPER INCORPORATED, Waltham, Mass. Filed Apr. 9, 1941.

GOOSER

FOR FLEXIBLE ABRASIVE ARTICLE FOR FINE GRINDING, FINISHING, AND POLISHING OPERATIONS.

Claims use since Feb. 17, 1941.

Ser. No. 442,703. GOLDSMITH BROS., New York, N. Y. Filed Apr. 18, 1941.

GOLDEX

FOR PUMICE (POWDERED) FOR CLEANING AND POLISHING; FOR SHAVING CREAM (BRUSHLESS), FOR SHAVING CREAM (MENTHOLATED), FOR LATHER SHAVING CREAM, AND FOR SOAP.

Claims use on pumice (powdered) since Jan. 2, 1936; on shaving cream (brushless), on shaving cream (mentholated) and on lather shaving cream since Nov. 25, 1936; and on soap since Sept. 16, 1940.

Ser. No. 443,618. ST. DENIS TOILETRIES, INC., New York, N. Y. Filed May 15, 1941.

BLUE SAPPHIRE

FOR SOAPS.

Claims use since May 13, 1941.

Ser. No. 443,633. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed May 16, 1941.

SPRING BOUQUET

FOR SOAP—NAMELY, TOILET SOAP.
Claims use since January, 1940.

Ser. No. 443,744. BOTANY WORSTED MILLS, Passaic, N. J. Filed May 21, 1941.

BOTANY

FOR CLEANING FLUID FOR FABRICS.
Claims uses since Oct. 23, 1939.

Ser. No. 443,812. MATHIAS SMYSER LEWIS, doing business as The Lewis Laboratories, Drexel Hill, Pa. Filed May 22, 1941.

"HANDRESS"

FOR HAND CLEANERS.
Claims use since May 13, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 420,002. J. HALDEN & COMPANY, LIMITED, Stockport, England. Filed May 31, 1939.

HEB

FOR CHEMICAL PREPARATION USED AS A BASE FOR OINTMENTS AND HAVING THE PROPERTY OF PROMOTING PENETRATION OF THE OINTMENT.
Claims use since July 23, 1938.

Ser. No. 437,679. ALFRED HENDRICKSON, Fargo, N. Dak. Filed Nov. 8, 1940.

℞ LIN-OX-OL

No claim is made to the symbol ℞ apart from the association shown.
FOR MEDICINE IN THE FORM OF A LINIMENT FOR EXTERNAL USE, AND RECOMMENDED FOR THE RELIEF OF ATHLETE'S FOOT, MUSCULAR ACHES AND PAINS, BURNS, CUTS, AND BRUISES.
Claims use since Feb. 5, 1935.

Ser. No. 439,688. THE COLEMAN & BELL COMPANY, Norwood, Ohio. Filed Jan. 15, 1941.

LTF

FOR COMPOSITIONS FOR USE IN THE PREPARATION AND TREATMENT OF LITHOGRAPHIC PLATES, NAMELY, DEEP ETCH COATING SOLUTIONS, DEEP ETCH SENSITIZERS, PROTECTIVE COATINGS AND GROUNDS, ALBUMIN SOLUTIONS, ALBUMIN SENSITIZERS, ETCHING COMPOSITIONS PARTICULARLY FOR ZINC PLATES, AND ETCHING COMPOSITIONS PARTICULARLY FOR ALUMINUM PLATES.
Claims use since Jan. 8, 1941.

Ser. No. 439,915. WINNER MANUFACTURING CO., INC., Trenton, N. J. Filed Jan. 23, 1941.

HYDROTEX

FOR CHEMICAL COMPOUND FOR USE IN WATERPROOFING, NOT IN THE NATURE OF PAINT.
Claims use since May, 1940.

Ser. No. 441,293. GEORGE JOSEPH, doing business as Theriaca Products Company, New Kensington, Pa. Filed Mar. 6, 1941.

THERIACA



The term "Theriaca" is not claimed apart from the mark.
FOR PREPARATION FOR EXTERNAL USE IN TREATING RHEUMATISM, NEURITIS, LUMBAGO, CORYZA, AND MORBID CONDITIONS OF THE MUSCLES AND JOINTS.
Claims use since December, 1939.

Ser. No. 441,547. PLOUGH, INC., Memphis, Tenn. Filed Mar. 14, 1941.

"LA CREOLE"

FOR HAIR POMADE, SHAMPOO PREPARATION.
Claims use since January, 1911.

Ser. No. 441,827. MACLEANS, LIMITED, Brentford, England. Filed Mar. 22, 1941.

Alex C. Maclean

The name "Alex. C. Maclean" is the facsimile signature of Alexander Campbell Maclean, founder of applicant's business.
FOR PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF INDIGESTION, FLATULENCE, GASTRITIS, DYSPEPSIA, ULCERATED STOMACH AND KINDRED AILMENTS; PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF RHEUMATISM, LUMBAGO, NEURITIS, SCIATICA, GOUT, SPRAINS, STIFFNESS, BRUISES, NEURALGIA, COLDS AND BRONCHITIS; APERIENT SALINE PREPARATIONS; FISH LIVER OIL PREPARATIONS; TOOTH PASTE.
Claims use on pharmaceutical preparations for the treatment of indigestion, flatulence, gastritis, dyspepsia, ulcerated stomach and kindred ailments since 1930; on pharmaceutical preparations for the treatment of rheumatism, lumbago, neuritis, sciatica, gout, sprains, stiffness, bruises, neuralgia, colds and bronchitis, since 1934; aperient saline preparations since February, 1939; fish liver oil preparations since 1932; toothpaste since April, 1938.

Ser. No. 441,872. HARRY D. KOENIG, doing business as Anré, New York, N. Y. Filed Mar. 24, 1941.



No claim is made to the representation of a flacon or perfume container apart from the mark. The mark consists of the term "Trique."
FOR FACE POWDERS, FACE ROUGE, FACE CREAMS, LIPSTICKS, TOILET WATER, PERFUMES, SACHETS, BRILLIANTINE, BATH POWDER, BATH SALTS, ASTRINGENT LOTION, ACNE LOTION, DEODORANTS, MASCARA, TALCUMS, SHAMPOOS.
Claims use since Jan. 10, 1941.

Ser. No. 442,021. ANGLO SOAP CORPORATION, New York, N. Y. Filed Mar. 28, 1941.

PARAWAY DEODORIZER

The word "Deodorizer" is disclaimed apart from the mark.
FOR DEODORIZER.
Claims use since Mar. 23, 1940.

Ser. No. 442,107. LINA CAVELIERO, INC., Seattle, Wash. Filed Mar. 31, 1941.

LaJolie

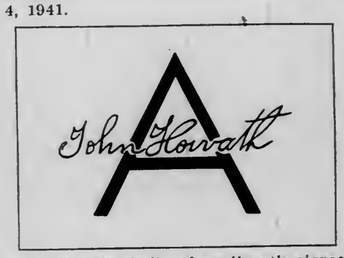
FOR FACE POWDER, FACE LOTIONS, FACE CREAMS, HAND LOTION, MASCARA, EYE SHADOW, LIPSTICK, SHAMPOO, FACIAL MASK, PERFUMES, TOILET WATERS, AND ROUGE.
Claims use since Dec. 2, 1932.

Ser. No. 442,138. P AND K COMPANY, Washington, D. C. Filed Mar. 31, 1941.

P and K

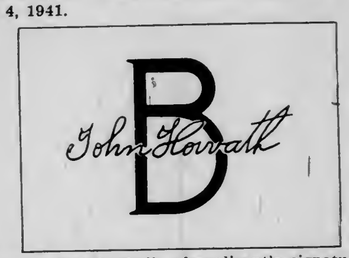
FOR HAIRDRESSING.
Claims use since Mar. 6, 1941.

Ser. No. 442,263. JOHN HORVATH, Passaic, N. J. Filed Apr. 4, 1941.



The name is a facsimile of applicant's signature.
FOR MEDICINE FOR LEG ULCERS, VARICOSE VEINS, BLOOD POISONING AND BAD BLOOD.
Claims use since Mar. 7, 1941.

Ser. No. 442,264. JOHN HORVATH, Passaic, N. J. Filed Apr. 4, 1941.



The name is a facsimile of applicant's signature.
FOR MEDICINE FOR ARTHRITIS AND STIFF JOINTS.
Claims use since Mar. 7, 1941.

Ser. No. 442,412. EAST BAY FISHERIES, San Francisco, Calif. Filed Apr. 9, 1941.

EBCO

FOR FISH OIL USED IN THE PREPARATION OF POULTRY FEEDS.
Claims use since Feb. 14, 1941.

Ser. No. 442,432. SEAL-INS LABORATORIES, INC., Los Angeles, Calif. Filed Apr. 9, 1941.

Lapec

FOR MEDICINAL COMPOUND CONTAINING LACTIC ACID, PECTIN, AND AGAR, USED IN THE TREATMENT OF DIARRHOEA, DYSENTERY, OR IRRITATIONS OF THE INTESTINAL TRACT.
Claims use since Apr. 1, 1941.

Ser. No. 443,194. HUDSON PRODUCTS, INC., Jersey City, N. J. Filed May 2, 1941.



The words "Grip" and "Holds False Teeth Firmly in Place" are disclaimed apart from the mark.
FOR POWDERS FOR HOLDING FALSE TEETH IN PLACE.
Claims use since Jan. 3, 1941.

Ser. No. 443,208. SANTIAGO DEVELOPMENT CORPORATION, Long Island City, N. Y. Filed May 2, 1941.

PESANO

FOR LIQUID MEDICINE FOR MALARIA FEVER (ALSO IN TABLET FORM), HEADACHE TABLETS, AND TABLETS FOR THE RELIEF OF FEVERS AND COLDS.
Claims use since Dec. 9, 1940.

Ser. No. 443,250. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed May 5, 1941.

PYFOS

FOR CHEMICAL COMPOUND FOR CONDITIONING OIL WELL DRILLING MUDS.
Claims use since Apr. 4, 1941.

Ser. No. 443,295. KIRBY'S PRODUCTS, Union, S. C. Filed May 6, 1941.

Happy Hearts

FOR PERFUMES, BRILLIANTINES, HAIR LOTION, HAIR DRESSING, PRESSING OIL, TEMPLE OIL, COCOANUT OIL SHAMPOO, TAR SHAMPOO, SKIN LOTIONS, FACE CREAMS, TEMPORARY SKIN LIGHTENER, BODY DEODORANT, AND SACHET POWDER.
Claims use since Jan. 15, 1941.

Ser. No. 443,368. MAGITEX COMPANY, INC., Saco, Maine. Filed May 8, 1941.

Magitex

FOR DOG SHAMPOO.
Claims use since Apr. 17, 1941.

Ser. No. 443,377. TEMPLETONS INCORPORATED, Buffalo, N. Y. Filed May 8, 1941.

TEM-PLONS

FOR LAXATIVE.
Claims use since Jan. 4, 1940.

Ser. No. 443,378. WILLIAM GRAHAM THOMAS, Varina, N. C. Filed May 8, 1941.

Aldine

FOR EXTERNAL APPLICATION EFFECTIVE IN THE RELIEF OF SUPERFICIAL MUSCULAR ACHES AND PAINS.
Claims use since Oct. 10, 1940.

Ser. No. 443,400. JACQUELINE COCHRAN, Roselle, N. J. Filed May 9, 1941.

STRUT

FOR COSMETICS AND BEAUTY PREPARATIONS—NAMELY, CLEANSING CREAM, NIGHT CREAM, FACE POWDER, CREAM ROUGE, LIPSTICK, AND SKIN LOTION.
Claims use since Oct. 8, 1940.

Ser. No. 443,452. MARY T. CARLETON, New York, N. Y. Filed May 10, 1941.

IVAWAY

FOR POISON IVY PREPARATION.
Claims use since Apr. 15, 1941.

Ser. No. 443,490. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

LILY

FOR FATTY ACIDS.
Claims use since 1925.

Ser. No. 443,491. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

LUXE

FOR FATTY ACIDS.
Claims use since 1925.

Ser. No. 443,493. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

SANITONE

170

FOR FILTER POWDER USED IN DRY CLEANING.
Claims use since May 1, 1941.

Ser. No. 443,494. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

SANITONE 201

FOR MATERIAL FOR IMPROVING THE FINISH OF TEXTILE FABRICS IN DRY CLEANING.
Claims use since May 1, 1941.

Ser. No. 443,515. POND'S EXTRACT COMPANY, New York, N. Y. Filed May 12, 1941.

Heart Throb

FOR LIPSTICKS.
Claims use since Apr. 24, 1941.

Ser. No. 443,720. AMANDA HASTAD, New York, N. Y. Filed May 20, 1941.

Hairfair

FOR CHEMICAL PREPARATION FOR THE TREATMENT OF HAIR.
Claims use since Apr. 28, 1941.

Ser. No. 443,800. ATLAS POWDER COMPANY, Wilmington, Del. Filed May 22, 1941.

TWEEN

FOR EMULSIFYING, WETTING, AND DISPERSING AGENTS.
Claims use since Apr. 25, 1941.

Ser. No. 443,830. THE ANDROMACHUS CORPORATION, Long Island City, N. Y. Filed May 23, 1941.

HERISAN

FOR SKIN OINTMENT FOR EXTERNAL USE.
Claims use since Apr. 14, 1941.

Ser. No. 443,848. MOV, INC., New York, N. Y. Filed May 23, 1941.

MŌV

FOR CREAM NAIL POLISH REMOVER.
Claims use since Nov. 14, 1938.

Ser. No. 444,032. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y. Filed May 29, 1941.

STABILON

FOR TEXTILE DYEING ASSISTANTS.
Claims use since Apr. 29, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 440,942. LINDSLEY LUMBER COMPANY, Miami, Fla. Filed Feb. 24, 1941.

DOUBLE-DURA CLAD

No claim is made to the word "Double" apart from the mark.
FOR WINDOWS AND WINDOW FRAMES.
Claims use since April, 1940.

Ser. No. 442,005. L. A. DUSSOL & Co., INC., Brooklyn, N. Y. Filed Mar. 27, 1941.

REGAL

FOR DECORATIVE WALL COVERING FOR ROOM INTERIORS, OF THE KIND COMMONLY KNOWN AS TILEBOARD.
Claims use since June 15, 1935.

Ser. No. 443,190. GLOBE ROOFING PRODUCTS CO., INC., Chicago, Ill. Filed May 2, 1941.

WOODITE

FOR INSULATED SIDING.
Claims use since Apr. 16, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 436,203. CENTRAL SCREW COMPANY, Chicago, Ill. Filed Sept. 21, 1940.

CENTRAL

The representation of the goods is disclaimed apart from the mark.
FOR SCREWS, BOLTS, NUTS, AND RIVETS.
Claims use since Sept. 18, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 429,886. E. RABINOWE & Co. INC., Yonkers, N. Y. Filed Mar. 23, 1940.

ERCO

FOR READY MIXED PAINTS, VARNISHES, PAINT ENAMELS, GLAZING COMPOUND, ASBESTOS AND ASPHALT ROOF PAINT COATING.
Claims use since 1905.

Ser. No. 431,917. CHARLES MARSHALL, doing business as Marshall Products, Nampa, Idaho. Filed May 14, 1940.

Idaho-iT

The word "Idaho" is disclaimed apart from the mark.
FOR AUTOMOBILE POLISH.
Claims use since Apr. 6, 1940.

Ser. No. 442,832. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 22, 1941.

KODAK

FOR WATER COLORS.
Claims use since Apr. 1, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 441,337. ARTHUR J. FELTAULT, doing business as The Visamap Company, Hartford, Conn. Filed Mar. 7, 1941.

VIS-A-VUE

FOR ROAD MAP HOLDERS ATTACHED TO OR FORMING PART OF THE SUN VISOR OR SHIELD OF AN AUTOMOBILE.
Claims use since Feb. 18, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 441,570. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 15, 1941.



FOR DEFROSTING AND VENTILATING FANS FOR MOTOR VEHICLES.
Claims use since Jan. 13, 1941.

Ser. No. 443,081. GLOBE LIGHTING FIXTURE MFG. CO., New York, N. Y. Filed Apr. 29, 1941.

GLOBE
FLUROLUME

FOR ELECTRIC LIGHTING FIXTURES AND PARTS THEREOF.
Claims use since Feb. 15, 1941.

Ser. No. 443,239. THE THOMAS & BETTS CO., Elizabeth, N. J. Filed May 3, 1941.

STA-KON

FOR ELECTRICAL-CONNECTING LUGS OR SOLDERLESS ELECTRICAL CONNECTORS.
Claims use since Aug. 12, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 441,865. AARON GEORGE GRANT, Oakland, Calif. Filed Mar. 24, 1941.

RUSHCRUSH

FOR GAME CLOTH AND A BOARD GAME PLAYED WITH MOVABLE PIECES.
Claims use since Feb. 1, 1940.

Ser. No. 442,755. HAROLD W. MUNRO, Providence, R. I. Filed Apr. 19, 1941.

Savme

FOR DOLLS, TOY SURGICAL INSTRUMENTS, AND TOY BADGES.
Claims use since Apr. 17, 1941.

Ser. No. 443,298. IAN MACDONALD, Modesto, Calif. Filed May 6, 1941.

BAG-SHAG

The word "Bag" is disclaimed apart from the mark.
FOR PRACTICE GOLF BALL RETRIEVER.
Claims use since Sept. 15, 1940.

Ser. No. 443,532. S. RAY DAUGHERTY, Los Angeles, Calif. Filed May 13, 1941.



The word "Creations" is disclaimed apart from the mark.
FOR GAME COMPRISING A BOARD PLAYING FIELD, MOVABLE PIECES, AND A PLURALITY OF DICE.
Claims use since Feb. 15, 1941.

Ser. No. 443,917. L. B. COOK BAIT MFG CO., Shreveport, La. Filed May 26, 1941.

Flutter Jack

FOR FISH LURES.
Claims use since Jan. 30, 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 437,545. AXELSON MANUFACTURING CO., Los Angeles, Calif. Filed Nov. 4, 1940.



FOR LATHES.
Claims use since March, 1917.

Ser. No. 438,313. LOGANSPORT MACHINE, INC., Logansport, Ind. Filed Nov. 28, 1940.

AIR-DRAULIC

FOR PNEUMATIC-HYDRAULIC COMPRESSION APPARATUS FOR OPERATING CHUCKS, VALVES, PRESSES, FEEDS, AND THE LIKE OF MACHINE TOOLS.
Claims use since Dec. 29, 1938.

Ser. No. 439,880. HENRY B. SHERMAN, New York, N. Y. Filed Jan. 22, 1941.



Applicant disclaims the expression "Calibrated Precision Carburetor Products" and the representation of a carburetor.

FOR CARBURETORS AND CARBURETOR PARTS.
Claims use since June 1, 1940.

Ser. No. 443,087. RICHARD S. MCCLINTOCK, Spokane, Wash. Filed Apr. 29, 1941.

Icemaster

FOR ICE CRUSHERS.
Claims use since Jan. 8, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 443,092. SPAULDING-MOSS COMPANY, Boston, Mass. Filed Apr. 29, 1941.

LATITUDE

FOR SENSITIZED BLUE PRINT PAPER AND CLOTH, SENSITIZED DIRECT POSITIVE PAPER AND CLOTH, SENSITIZED VAN DYKE PAPER AND CLOTH, AND PHOTOGRAPHICALLY SENSITIZED PAPER AND CLOTH.

Claims use since Dec. 13, 1940, on sensitized blue print paper; since Feb. 7, 1941, on direct positive paper; since Dec. 13, 1940, on blue print cloth; since Apr. 26, 1941, on direct positive cloth; since Apr. 26, 1941, on Van Dyke paper and cloth; and since Apr. 26, 1941, on photographically sensitized paper and cloth.

Ser. No. 443,175. TOLEDO SCALE COMPANY, Toledo, Ohio. Filed May 1, 1941.



FOR WEIGHING SCALES.
Claims use since Nov. 15, 1940.

CLASS 31

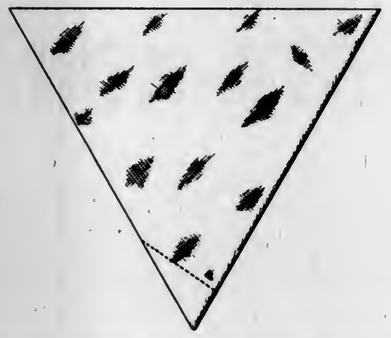
FILTERS AND REFRIGERATORS

Ser. No. 437,250. MOTOR PRODUCTS CORPORATION, Detroit, Mich., and North Chicago, Ill. Filed Oct. 24, 1940.

Deepfreeze

FOR REFRIGERATING APPARATUS AND PARTS THEREOF.
Claims use since May 10, 1940.

Ser. No. 442,932. J. DE LA TORRE E HIJO, S. R. L., Mexico City, Mexico. Filed Apr. 25, 1941.



The mark consists of a purple thread asymmetrically stitched across the tip of the filter cloths. No claim is made to the representation of the goods per se.

FOR FILTER CLOTHS.
Claims use since Dec. 11, 1928.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 441,742. PARIS DECORATORS CORP., New York, N. Y. Filed Mar. 20, 1941.

Denbrook

FOR UPHOLSTERED FURNITURE.
Claims use since May 1, 1940.

Ser. No. 442,899. FORT PITT BEDDING COMPANY, Pittsburgh, Pa. Filed Apr. 24, 1941.

DreamPrince

FOR MATTRESSES AND BOX SPRINGS.
Claims use since Apr. 2, 1941.

Ser. No. 442,900. FORT PITT BEDDING COMPANY, Pittsburgh, Pa. Filed Apr. 24, 1941.

DreamPrincess

FOR MATTRESSES AND BOX SPRINGS.
Claims use since Apr. 2, 1941.

Ser. No. 444,068. THE CHAS. W. BRENEMAN CO., Cincinnati, Ohio. Filed May 31, 1941.

PATRICIAN

FOR VENETIAN BLINDS.
Claims use since May 6, 1941.

Ser. No. 444,069. THE CHAS. W. BRENEMAN CO., Cincinnati, Ohio. Filed May 31, 1941.

VISTA

FOR VENETIAN BLINDS.
Claims use since May 14, 1941.

CLASS 33

GLASSWARE

Ser. No. 443,015. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Apr. 26, 1941.

FLEXSEAL

FOR LAMINATED SAFETY GLASS.
Claims use since Apr. 8, 1941.

Ser. No. 443,038. BROCKWAY GLASS COMPANY, INC., Brockway, Pa. Filed Apr. 28, 1941.



FOR GLASS BOTTLES.
Claims use since Jan. 27, 1941.

Ser. No. 443,051. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Apr. 28, 1941.

Duraglas

FOR BOTTLES, JARS, AND JUGS, ALL MADE OF GLASS.
Claims use since Sept. 4, 1940, on bottles; since Nov. 12, 1940, on jars.

CLASS 37

PAPER AND STATIONERY

Ser. No. 418,129. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J. Filed Apr. 12, 1939.

RECEIPT

FOR PENCILS, MECHANICAL PENCILS, AND FOUNTAIN PENS.
Claims use since Nov. 1, 1938, on pencils; since Apr. 4, 1939, on other goods.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 442,176. MEDICAS CORPORATION, New York, N. Y. Filed Apr. 1, 1941.

MÉDICAS

FOR PERIODICAL PUBLISHED FROM TIME TO TIME.
Claims use since Mar. 14, 1941.

Ser. No. 443,206. POWELL-SAVORY CORP., New York, N. Y. Filed May 2, 1941.

New York ★ Star-News

The words "New York" and "News" are disclaimed except as used in the mark.

FOR WEEKLY NEWSPAPER.
Claims use since Apr. 12, 1941.

Ser. No. 443,342. PIERRE J. DE SANTIS, Great Neck, Long Island, N. Y. Filed May 7, 1941.

VOGUE'S GALLERY

FOR PHOTOGRAPHS.
Claims use since Oct. 23, 1940.

Ser. No. 443,385. ALL-AMERICAN COMICS, INC., New York, N. Y. Filed May 9, 1941.



FOR CARTOONS PUBLISHED IN A SERIES.
Claims use since May 1, 1941.

Ser. No. 443,465. THE SQUIRT COMPANY, Beverly Hills, Calif. Filed May 10, 1941.

THE **SQUIRT** *Reporter*

FOR MONTHLY TRADE PUBLICATION.
Claims use since June 1, 1939.

CLASS 39

CLOTHING

Ser. No. 434,608. LEOPOLD MORSE COMPANY, Boston, Mass. Filed Aug. 2, 1940.



FOR MEN'S TOPCOATS.
Claims use since July 30, 1940.

Ser. No. 435,214. MANHATTAN UNDERGARMENT CO., INC., New York, N. Y. Filed Aug. 21, 1940.

Genuine

Cortley

Slip

The words "Genuine" and "Slip" are disclaimed apart from the mark.
FOR LADIES' AND MISSES' SLIPS.
Claims use since July 1, 1940.

Ser. No. 439,693. GLOBE NOVELTY HOUSE, New York, N. Y. Filed Jan. 15, 1941. Under section 5b of the act of 1905 as amended in 1920.

ROYAL London

FOR MEN'S GARTERS, SUSPENDERS, AND BELTS IN THE NATURE OF GARMENT SUPPORTERS.
Claims use since Jan. 2, 1940.

Ser. No. 440,596. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Feb. 12, 1941.

S-X

FOR HOSIERY.
Claims use since Jan. 1, 1911.

Ser. No. 441,412. RED HEAD BRAND COMPANY, Chicago, Ill. Filed Mar. 10, 1941.

Wooluxe

FOR MEN'S AND WOMEN'S CAPS, COATS, PANTS, VESTS, AND OUTER SHIRTS.
Claims use since Feb. 5, 1937.

Ser. No. 441,504. DODSON-FISHER COMPANY, Minneapolis, Minn. Filed Mar. 13, 1941.

"Strike-Mistress"

FOR BOWLING SHOES.
Claims use since December, 1940.

Ser. No. 441,615. THE MALLORY HAT COMPANY, Danbury, Conn. Filed Mar. 17, 1941.

PLIAFELT

FOR MEN'S AND BOYS' HATS.
Claims use since Feb. 6, 1941.

Ser. No. 442,752. HICKEY FREEMAN COMPANY, Rochester, N. Y. Filed Apr. 19, 1941.

Fair-n-Cooler

The word "Cooler" is disclaimed apart from the mark.
FOR MEN'S SUITS AND TOPCOATS.
Claims use since Feb. 26, 1941.

Ser. No. 442,859. BEST & CO. INC., New York, N. Y. Filed Apr. 23, 1941.

RUSTIQUITA

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, EVENING DRESSES, PLAYSUITS, OUTERSKIRTS, UNDERSKIRTS, BLOUSES, HATS, AND SHOES, THE LATTER BEING MADE OF LEATHER, FABRIC, OR RUBBER, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since Apr. 18, 1941.

Ser. No. 443,019. SELECT SPORTSWEAR, INC., New York, N. Y. Filed Apr. 26, 1941.

Goralam

FOR LADIES' AND MISSES' KNITTED SPORT SWEATERS.
Claims use since Oct. 1, 1938.

Ser. No. 443,065. IVAN ALPORT, New York, N. Y. Filed Apr. 29, 1941.

HARLEM'S STYLE KING

The expression "Harlem's Style" is disclaimed apart from the mark.
FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since January, 1934.

Ser. No. 443,240. THE UNITED STATES SHOE CORPORATION, Cincinnati, Ohio. Filed May 3, 1941.

COCAROO

FOR SHOES MADE OF LEATHER.
Claims use since Apr. 25, 1941.

Ser. No. 443,372. PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed May 8, 1941.

Tensilk

FOR SILK HOSIERY.
Claims use since Apr. 22, 1941.

Ser. No. 443,578. PEERLESS CHILDRENS GARMENTS, New York, N. Y. Filed May 14, 1941.

LUCKY-TOT

FOR CHILDREN'S DRESSES.
Claims use since Apr. 13, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 443,415. FRANK M. GECKLER, JR., doing business as Frank M. Geckler & Co., New York, N. Y. Filed May 9, 1941.

RAYWOOL

FOR PIECE GOODS ALL OR IN PART OF COTTON, WOOL, RAYON, SILK, AND SYNTHETIC FIBRES.
Claims use since Apr. 30, 1941.

Ser. No. 443,461. LEACOCK & CO., INC., New York, N. Y. Filed May 10, 1941.

DRI-N-DURE

FOR LINEN AND COTTON FABRICS IN THE PIECE, TABLE CLOTHS, NAPKINS, SCARVES, KITCHEN AND BATHROOM TOWELS.
Claims use since Feb. 1, 1940.

Ser. No. 443,555. COHN-HALL-MARX CO., New York, N. Y. Filed May 14, 1941.

SERPENETTE

FOR COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS.
Claims use since Apr. 3, 1941.

Ser. No. 443,611. LEEWOOD FABRICS, INC., New York, N. Y. Filed May 15, 1941.

SUVELLA

FOR WORSTED AND WOOLEN TEXTILE FABRICS.
Claims use since May 5, 1941.

Ser. No. 443,740. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed May 21, 1941.

PERMADYE

FOR PIECE GOODS OF RAYON.
Claims use since August, 1938.

Ser. No. 443,757. ESTATE OF OTTO TIMME, DECEASED, doing business as E. F. Timme & Son, New York, N. Y. Filed May 21, 1941.

TIM-E-LON

FOR RUGS, CARPETS, AND PILE FABRICS IN THE PIECE.
Claims use since Feb. 1, 1941.

Ser. No. 443,760. HELIOS, LIMITED, Bolton, England. Filed May 21, 1941.

DUSPRO

FOR FURNISHING FABRICS IN THE PIECE, BED COVERS, AND TABLE COVERS, ALL BEING WOVEN PIECE GOODS COMPOSED OF TEXTILE MATERIALS.
Claims use since Aug. 25, 1939.

Ser. No. 443,775. MELLO SHEEN CORPORATION, New York, N. Y. Filed May 21, 1941.

AIRLINER

FOR TEXTILE FABRICS IN THE PIECE OF FINE COUNT POPLIN, COTTON BASE, AND WATER REPELLENT FINISH.
Claims use since July 10, 1940.

CLASS 43

THREAD AND YARN

Ser. No. 437,361. AMERICAN VISCOSE CORPORATION, Wilmington, Del. Filed Oct. 29, 1940.

LANACETA

FOR SYNTHETIC THREAD AND YARN AND THREAD AND YARN FILAMENTS.
Claims use since Oct. 7, 1940.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 443,838. DAVIS & GECK, INC., Brooklyn, N. Y. Filed May 23, 1941.

DERMALON

The drawing is lined for red.
FOR SURGICAL LIGATURES AND SUTURES.
Claims use since Apr. 7, 1941.

Ser. No. 444,070. CORALITE DENTAL PRODUCTS COMPANY, Chicago, Ill. Filed May 31, 1941.

TRU-LIFE

FOR DENTAL JACKETS, INLAYS, BRIDGES, CROWNS, ARTIFICIAL TEETH CLASPS, VENEER FACINGS, SPLINTS AND RESTORATION DEVICES ALL MADE ENTIRELY OR IN PART FROM METHYL METHACRYLATE, AND ALSO FOR POLYMERIZED METHYL METHACRYLATE AND MONOMERIC METHYL METHACRYLATE USED IN THE MAKING OF THE AFORESAID ITEMS.
Claims use since May 12, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Serial No. 440,429. SOCIEDAD ANONIMA VINEDOS Y BODEGAS ARIZU, Buenos Aires, Argentina. Filed Feb. 7, 1941.

MARCA
ARIZU
REGISTRADA

No claim is made to the words "Marca Registrada" apart from the mark.
FOR NONALCOHOLIC MALTLESS BEVERAGES.
Claims use since May 15, 1897.

Ser. No. 440,729. H. M. NUNAN, doing business as Indian Maid Beverage Co., Fullerton, Calif. Filed Feb. 17, 1941.

Indian
Club

FOR MALTLESS NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Jan. 18, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 399,756. GRAY & COMPANY, Portland, Oreg. Filed Nov. 15, 1937.

GRACO

FOR GLACE FRUITS, GLACE FRUIT PEELS, FRUIT JAMS, FRUIT JELLIES, FRUIT FILLINGS FOR PASTRIES, MINCE MEAT, CHOCOLATE FLAVORED SYRUP FOR FOOD PURPOSES; DEVIL'S FOOD CAKE MIX; CAKE OR COOKIE MIXES OF FRUIT, FRUIT PEELS, WINE AND OTHER INGREDIENTS; STABILIZER FOR "ICECREAM", ICES OR MILK BEVERAGES; FUDGE SUNDAE PREPARATIONS; PREPARED NUT MEATS.
Claims use since Nov. 15, 1937.

Ser. No. 411,258. WEYL-ZUCKERMAN & CO., Stockton, Calif. Filed Oct. 3, 1938.

PERFEX

FOR FRESH POTATOES IN THEIR NATURAL STATE.
Claims use since Dec. 1, 1935.

Ser. No. 429,741. MORNINGSTAR, NICOL, INC., New York, N. Y. Filed Mar. 19, 1940.

ARROW
STAR
ST. VINCENT ARROWROOT

Applicant is the owner of registrations No. 122,729 dated Sept. 10, 1918, and No. 128,464 dated Jan. 6, 1920. No claim is made to the words "St. Vincent Arrowroot" apart from the mark.
FOR ARROWROOT STARCH AND FLOUR.
Claims use since Mar. 6, 1940.

Ser. No. 439,361. DAVID PENDER GROCERY COMPANY, Norfolk, Va. Filed Jan. 2, 1941.

Colonial

FOR CEREALS—NAMELY, WHEAT PUFFS AND RICE PUFFS.
Claims use since July 1, 1940.

Ser. No. 439,454. BAKER CANNING COMPANY, Dundas and Theresa, Wis. Filed Jan. 7, 1941.

No. 10 GRAND

FOR CANNED PEAS.
Claims use since Oct. 6, 1940.

Ser. No. 440,541. THE BORDEN COMPANY, New York, N. Y. Filed Feb. 11, 1941.

GOLDEN BAR

Applicant disclaims the word "Bar" apart from the mark.
FOR CREAM CHEESE.
Claims use since Dec. 18, 1940.

Ser. No. 440,559. THE MCDONALD CORPORATION, Lakeland, Fla. Filed Feb. 11, 1941.

SOLAR-GLO

Applicant is the owner of Certificate No. 361,567, granted Oct. 25, 1938.
FOR CANNED CITRUS FRUIT JUICES.
Claims use since Jan. 8, 1941.

Ser. No. 441,058. MONGOLIA IMPORTING CO. INC., New York, N. Y. Filed Feb. 27, 1941.

NOSTRIP

FOR SAUSAGE CASINGS.
Claims use since Dec. 1, 1940.

Ser. No. 441,738. NATIONAL LEAD COMPANY, New York, N. Y. Filed Mar. 20, 1941.



FOR LINSEED MEAL WHICH IS USED AS LIVESTOCK AND DAIRY FEED OR AS AN INGREDIENT IN SUCH FEEDS.
Claims use since January, 1941.

Ser. No. 441,739. NATIONAL LEAD COMPANY, New York, N. Y. Filed Mar. 20, 1941.



FOR LINSEED MEAL WHICH IS USED AS LIVESTOCK AND DAIRY FEED OR AS AN INGREDIENT IN SUCH FEEDS.
Claims use since January, 1941.

Ser. No. 442,010. LOOSE-WILES BISCUIT COMPANY, New York and Long Island City, N. Y. Filed Mar. 27, 1941.

BATTALION

FOR BAKERY PRODUCTS—NAMELY, CRACKERS.
Claims use since Jan. 8, 1941.

Ser. No. 442,133. THE KRIER PRESERVING COMPANY, Belgium, Wis. Filed Mar. 31, 1941.

SERV-U-RITE

Applicant is the owner of registrations Nos. 188,268 dated Aug. 19, 1924, and 277,096 dated Nov. 4, 1930.
FOR CANNED VEGETABLES—NAMELY, CORN, CAR-

ROTS AND PEAS, PEAS, BEETS, CARROTS, GREEN BEANS, WAX BEANS, MIXED VEGETABLES, SAUER KRAUT, RED KIDNEY BEANS, RED BEANS, LIMA BEANS, SPINACH, AND TOMATOES; CANNED PUMPKIN, CANNED PORK AND BEANS, CANNED SPAGHETTI WITH TOMATO SAUCE, CANNED TOMATO JUICE, CANNED PEA SOUP, AND CANNED VEGETABLE SOUP, AND TOMATO SOUP.

Claims use since 1913 on corn, carrots and peas, beets, carrots, green beans, wax beans, mixed vegetables, and sauer kraut; February 5, 1917 on tomatoes; October 9, 1930 on red kidney beans; January 9, 1932 on lima beans; July 9, 1932 on pork and beans; August 4, 1932 on spinach; October 4, 1933 on tomato soup; January 24, 1933 on spaghetti; October 17, 1933 on pumpkin; October 31, 1933 on tomato juice; November 8, 1933 on vegetable soup; May 8, 1934 on pea soup; and on May 25, 1934 on red beans.

Ser. No. 442,598. PAUL A. MOSESIAN & SONS, INC., Fresno, Calif. Filed Apr. 15, 1941.

STATE O GOLD

The applicant claims ownership of registration No. 254,556, dated March 26, 1929.

FOR FRESH GRAPES, FRESH CITRUS AND DECIDUOUS FRUITS, FRESH VEGETABLES, AND CANNED OLIVES.

Claims use since July 26, 1928, on fresh vegetables; since Aug. 10, 1928, on fresh grapes and fresh deciduous fruits; since Mar. 21, 1941, on canned olives; and since Apr. 7, 1941, on fresh citrus fruit.

Ser. No. 442,603. ROMANOFF CAVIAR COMPANY, New York, N. Y. Filed Apr. 15, 1941.

Romets

FOR BOUILLON CUBES.
Claims use since Feb. 10, 1941.

Ser. No. 442,702. GOLDSMITH BROS., New York, N. Y. Filed Apr. 18, 1941.

GOLDEX

FOR COFFEE, TEA, MUSTARD, AND CANDY.
Claims use since Apr. 28, 1938, on coffee; since June 30, 1939, on tea; since Jan. 2, 1936, on mustard; and since Nov. 1, 1938, on candy.

Ser. No. 442,817. BEATRICE SALES CORPORATION, New York and Brooklyn, N. Y. Filed Apr. 21, 1941.



All notations except "Violetta" and applicant's name are disclaimed apart from the mark. The portrait of a woman is fanciful.

FOR BLEND OF CANNED EDIBLE OILS.
Claims use since 1934.

Ser. No. 442,990. CEROPHYL LABORATORIES, INC., Kansas City, Mo. Filed Apr. 26, 1941.

ViET

FOR PROCESSED FOOD CONSISTING OF DEHYDRATED CEREAL GRASSES — NAMELY, WHEAT, OATS, RYE, AND BARLEY, FOR USE AS A SUPPLEMENT TO THE HUMAN DIET.
Claims use since Mar. 20, 1941.

Ser. No. 443,271. JAMES G. VAGIM, doing business as Vagim Packing Co., Fresno, Calif. Filed May 5, 1941.

COARSEGOLD

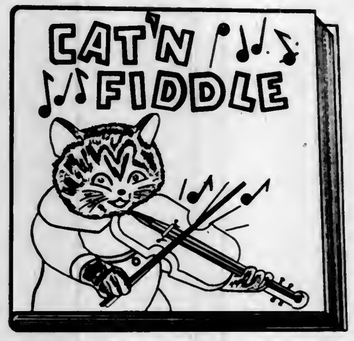
FOR DRIED FRUITS.
Claims use since June 28, 1939.

Ser. No. 443,272. JAMES G. VAGIM, doing business as Vagim Packing Co., Fresno, Calif. Filed May 5, 1941.

SAIL-MAKER

FOR DRIED FRUITS.
Claims use since June 28, 1939.

Ser. No. 443,299. MARCO ANIMAL FOODS, INC., Philadelphia, Pa. Filed May 6, 1941.



FOR CAT FOOD.
Claims use since Dec. 17, 1940.

Ser. No. 443,656. FEDERATED FOODS, INC., doing business as Federated Foods, Chicago, Ill. Filed May 17, 1941.

SEA BABY

FOR CANNED SALMON.
Claims use since Apr. 2, 1941.

Ser. No. 443,735. SHAPIRO BROS. INC., Chicago, Ill., and Phoenix, Ariz. Filed May 20, 1941.

GOLDEN HORN

FOR FRESH VEGETABLES.
Claims use since Nov. 15, 1939.

Ser. No. 443,803. THE BORDEN COMPANY, New York, N. Y. Filed May 22, 1941.

Blufort

FOR BLUE CHEESE.
Claims use since Apr. 21, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 442,328. OLD JOE DISTILLING COMPANY, Lawrenceburg, Ky. Filed Apr. 5, 1941.



The picture is that of Joe Peyton, deceased.
FOR BOURBON WHISKEYS.
Claims use since May, 1934.

Ser. No. 442,993. B. DELATOUR, doing business as E. Delatour & Cie., and B. Delatour & Cie., Cognac and Bordeaux, France, and Ponce, P. R. Filed Apr. 26, 1941.

BASTIÈRE

FOR ALCOHOLIC LIQUEURS.
Claims use since June 18, 1867.

Ser. No. 443,570. ITALIAN VINEYARD COMPANY, Los Angeles, Calif. Filed May 14, 1941.



FOR BRANDY.
Claims use since 1912.

Ser. No. 443,908. AUSTIN NICHOLS & CO., INCORPORATED, Brooklyn and New York, N. Y. Filed May 26, 1941.

Strawberry Blonde

FOR BLEND OF IMPORTED PANAY RUM, MOUQUIN TRIPLE SEC LIQUEUR, LEMON JUICE, AND GRENADINE.
Claims use since Mar. 14, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 8, 1941

388,688. EAR DRUM PROTECTORS, EYE CUPS, THROAT SWABS, NIPPLE PROTECTORS, ATOMIZER BOTTLES AND BULBS, ETC. NAT P. STECKLER, New York, N. Y.
Filed January 24, 1939. Serial No. 415,196. PUBLISHED APRIL 29, 1941. Class 44.

388,689. ARTICLES OF FURNITURE—NAMELY, BUFFETS, DINING TABLES, SERVING TABLES, CHINA CABINETS, CORNER CABINETS, ETC. TOMLINSON OF HIGH POINT, High Point, N. C.
Filed April 19, 1939. Serial No. 418,456. PUBLISHED APRIL 29, 1941. Class 32.

388,690. AUTOMATIC ELECTRIC CONTROLS FOR REGULATING FLUE PIPE AND FURNACE BONNET TEMPERATURES. THE MASTER ELECTRIC COMPANY, Dayton, Ohio.
Filed July 24, 1939. Serial No. 421,887. PUBLISHED APRIL 22, 1941. Class 26.

388,691. WOMEN'S, GIRLS', AND CHILDREN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. THE BERLAND SHOE STORES, INC., St. Louis, Mo.
Filed November 4, 1939. Serial No. 425,228. PUBLISHED JANUARY 9, 1940. Class 39.

388,692. FLUID OPERATED JACKS. STEWART-WARNER CORPORATION, Chicago, Ill.
Filed February 26, 1940. Serial No. 428,934. PUBLISHED APRIL 29, 1941. Class 23.

388,693. CRANES FOR AUTOMOBILE WRECKERS. CLETUS A. KLEIN, Caro, Mich.
Filed March 12, 1940. Serial No. 429,586. PUBLISHED APRIL 22, 1941. Class 23.

388,694. BRAIDS FOR LACINGS. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed May 7, 1940. Serial No. 431,652. PUBLISHED APRIL 8, 1941. Class 40.

388,695. LEATHER AND SKINS, UNWROUGHT AND WROUGHT. DRI-PED LIMITED, Bolton, England.
Filed May 23, 1940. Serial No. 432,246. PUBLISHED APRIL 29, 1941. Class 1.

388,696. TIME STAMPS. INTERNATIONAL BUSINESS MACHINES CORPORATION, Endicott, N. Y.
Filed June 15, 1940. Serial No. 433,046. PUBLISHED APRIL 22, 1941. Class 26.

388,697. CANNED FRUITS, CANNED VEGETABLES, CANNED OLIVES. NORMAN L. WAGGONER, INC., San Francisco, Calif.
Filed July 3, 1940. Serial No. 433,683. PUBLISHED SEPTEMBER 3, 1940. Class 46.

388,698. WOMEN'S LEG ORNAMENTS CONSISTING OF A MOTIF IMPOSED ON TRANSPARENT SHEET PLASTIC TO BE WORN UNDER HOSIERY AND TO GIVE THE EFFECT OF TATOOING. ALBERT RUSSELL SANDERS, Madison, Wis.
Filed July 5, 1940. Serial No. 433,726. PUBLISHED APRIL 29, 1941. Class 40.

388,699. PHONOGRAPH NEEDLES. COLUMBIA RECORDING CORPORATION, New York, N. Y.
Filed August 3, 1940. Under act of Feb. 20, 1905, as amended June 10, 1938. Serial No. 434,630. PUBLISHED APRIL 22, 1941. Class 36.

388,700. PHONOGRAPH NEEDLES. COLUMBIA RECORDING CORPORATION, New York, N. Y.
Filed August 3, 1940. Under act of Feb. 20, 1905, as amended June 10, 1938. Serial No. 434,631. PUBLISHED APRIL 22, 1941. Class 36.

388,701. PIECE GOODS ALL OR IN PART OF COTTON, WOOL, RAYON, SILK, SYNTHETIC FIBERS. WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y.
Filed August 13, 1940. Serial No. 434,957. PUBLISHED APRIL 29, 1941. Class 42.

388,702. LADIES' AND MISSES' COATS, SUITS. JOSEPH STEIN COATS, INC., New York, N. Y.
Filed August 17, 1940. Serial No. 435,097. PUBLISHED APRIL 15, 1941. Class 39.

388,703. GENERATORS, SPARK PLUGS, GENERATOR BRUSHES, DISTRIBUTORS AND PARTS THEREOF SUCH AS IGNITION POINTS, CONDENSERS, DISTRIBUTOR ROTORS, AND DISTRIBUTOR CAPS. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed September 9, 1940. Serial No. 435,801. PUBLISHED APRIL 29, 1941. Class 21.

388,704. METERS FOR MEASURING CONDUCTOR LOAD OF ELECTRICAL CIRCUITS. HD ELECTRIC Co., Chicago, Ill.
Filed September 12, 1940. Serial No. 435,901. PUBLISHED DECEMBER 17, 1940. Class 26.

388,705. ADVERTISING DISPLAY STANDS. MCGRAW ELECTRIC COMPANY, Elgin, Ill.
Filed September 23, 1940. Serial No. 436,276. PUBLISHED APRIL 29, 1941. Class 32.

388,706. BLEND OF FISH OILS AND FISH LIVER OILS USED AS A FOOD SUPPLEMENT IN LIVESTOCK AND POULTRY FEEDS CONTAINING VITAMIN PREPARATIONS. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J.
Filed September 27, 1940. Serial No. 436,435. PUBLISHED APRIL 29, 1941. Class 46.

388,707. ELECTRICAL TRANSFORMERS INCLUDING THOSE UTILIZED FOR THE OPERATION OF TOYS. JEFFERSON ELECTRIC COMPANY, Bellwood, Ill.
Filed September 28, 1940. Serial No. 436,473. PUBLISHED APRIL 29, 1941. Class 21.

388,708. WINES. PEDRO DOMECQ Y CIA., Jerez de la Frontera, Spain.
Filed October 3, 1940. Serial No. 436,598. PUBLISHED APRIL 29, 1941. Class 47.

388,709. DISPENSING TOOLS, SUCH AS SPOONS AND LADLES, PRIMARILY NOT OF PRECIOUS METAL, ADAPTED FOR GATHERING, SEVERING, AND SERVING PORTIONS OF SOLID AND SEMISOLID EDIBLE MATERIALS. KELLY-WHEATON COMPANY, Toledo, Ohio.
Filed October 17, 1940. Serial No. 437,039. PUBLISHED APRIL 29, 1941. Class 23.

388,710. PLUG OR ARTICLE, CARRYING ADSORBENT OR ABSORBENT MATERIAL OR OTHER AGENTS, FOR USE IN SCREWING IN PLACE OR POSITIONING IN CYLINDER HEADS OF INTERNAL COMBUSTION ENGINES, ETC. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md.
Filed October 18, 1940. Serial No. 437,060. PUBLISHED APRIL 29, 1941. Class 23.

388,711. PLUG OR ARTICLE, CARRYING ADSORBENT OR ABSORBENT MATERIAL OR OTHER AGENTS, FOR USE IN SCREWING IN PLACE OR POSITIONING IN CYLINDER HEADS OF INTERNAL COMBUSTION ENGINES, ETC. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md.
Filed October 23, 1940. Serial No. 437,196. PUBLISHED APRIL 29, 1941. Class 23.

388,712. ELECTRIC SCISSORS AND SHEARS. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J.
Filed October 31, 1940. Serial No. 437,455. PUBLISHED APRIL 22, 1941. Class 21.

388,713. RANGE FINDERS FOR CAMERAS. SAMUEL ZAGAT, Lakeside, Conn.
Filed November 26, 1940. Serial No. 438,254. PUBLISHED APRIL 29, 1941. Class 26.

388,714. WHEAT FLOUR—NAMELY, PLAIN WHITE MILLED FLOUR. BALLARD & BALLARD COMPANY, INCORPORATED, doing business as New South Flour Co., Louisville, Ky.
Filed December 17, 1940. Serial No. 438,920. PUBLISHED APRIL 29, 1941. Class 46.

388,715. NITROGEN FIXING BACTERIA FOR LEGUME SEED INOCULATION. JOHN H. NELSON, doing business as Nelson Laboratories, Stockton, Calif.
Filed December 20, 1940. Serial No. 439,052. PUBLISHED APRIL 22, 1941. Class 10.

388,716. HAND KNITTING NEEDLES, AND CROCHET HOOKS. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn.
Filed December 23, 1940. Serial No. 439,089. PUBLISHED APRIL 22, 1941. Class 40.

388,717. WHEAT FLOUR. RUSSELL-MILLER MILLING Co., Minneapolis, Minn.
Filed December 23, 1940. Serial No. 439,115. PUBLISHED APRIL 29, 1941. Class 46.

388,718. BOYS' CLOTHING — NAMELY, COATS, SHORT PANTS, LONG PANTS, AND KNICKERS. SANDESS MANUFACTURING COMPANY, Philadelphia, Pa.
Filed December 24, 1940. Serial No. 439,177. PUBLISHED APRIL 29, 1941. Class 39.

388,719. COFFEE. J. A. FOLGER & COMPANY, Kansas City, Mo.
Filed January 6, 1941. Serial No. 439,435. PUBLISHED APRIL 29, 1941. Class 46.

388,720. RULES, FOLDING RULES, AND EXTENSION RULES. MASTER RULE MFG. CO. INC., New York, N. Y.
Filed January 9, 1941. Serial No. 439,520. PUBLISHED APRIL 22, 1941. Class 26.

388,721. STEREOSCOPIC VIEWERS AND THE LIKE. POLAROID CORPORATION, Cambridge, Mass.
Filed January 10, 1941. Serial No. 439,552. PUBLISHED APRIL 22, 1941. Class 26.

388,722. ELECTRIC LAMPS. POLAROID CORPORATION, Cambridge, Mass.
Filed January 10, 1941. Serial No. 439,556. PUBLISHED APRIL 29, 1941. Class 21.

388,723. COMBINATION MECHANICAL AND STEAMING WALL PAPER REMOVERS. LANDON P. SMITH, INC., Irvington, N. J.
Filed January 10, 1941. Serial No. 439,565. PUBLISHED APRIL 22, 1941. Class 23.

388,724. STEAMING WALL PAPER REMOVERS. LANDON P. SMITH, INC., Irvington, N. J.
Filed January 10, 1941. Serial No. 439,566. PUBLISHED APRIL 22, 1941. Class 23.

388,725. BABY CHICKS. WILLIAM O. ATKINS, Pomeroy, Ohio.
Filed January 13, 1941. Serial No. 439,613. PUBLISHED APRIL 29, 1941. Class 46.

388,726. WORK GLOVES. WELLS LAMONT SMITH CORPORATION, Chicago, Ill.
Filed January 13, 1941. Serial No. 439,643. PUBLISHED APRIL 22, 1941. Class 39.

388,727. AUTOMOBILE LIFTING JACKS. THE DALTON FOUNDRIES, INC., Warsaw, Ind.
Filed January 15, 1941. Serial No. 439,692. PUBLISHED APRIL 22, 1941. Class 23.

388,728. STAPLING MACHINES. CHARLES I. TAGER, Chicago, Ill.
Filed January 16, 1941. Serial No. 439,733. PUBLISHED APRIL 22, 1941. Class 23.

388,729. DEVELOPED MOTION PICTURE FILM. PHILIP FISCHER, Chicago, Ill.
Filed January 21, 1941. Serial No. 439,808. PUBLISHED APRIL 22, 1941. Class 26.

388,730. THERMOSTAT SWITCHES FOR HEATING PLANTS AND OTHER APPARATUS. VIGITROL CORPORATION, New York, N. Y.
Filed January 21, 1941. Serial No. 439,850. PUBLISHED APRIL 22, 1941. Class 26.

388,731. ELECTRIC GUITARS. EPIPHONE, INC., New York, N. Y.
Filed January 25, 1941. Serial No. 439,963. PUBLISHED APRIL 22, 1941. Class 36.

388,732. PHOTOGRAPHIC APPARATUS AND EQUIPMENT; PARTICULARLY PHOTOGRAPHIC PRINTING, DEVELOPING, WASHING, DRYING, TRIMMING MACHINES AND FILM CLIPS AND ROLL HANGERS. PAKO CORPORATION, Minneapolis, Minn.
Filed January 27, 1941. Serial No. 440,019. PUBLISHED APRIL 29, 1941. Class 26.

388,733. DRESS SHIELDS. A. STEIN & COMPANY, Chicago, Ill.
Filed January 27, 1941. Serial No. 440,026. PUBLISHED APRIL 22, 1941. Class 40.

388,734. DRESS SHIELDS AND SHOULDER STRAPS. A. STEIN & COMPANY, Chicago, Ill.
Filed January 27, 1941. Serial No. 440,028. PUBLISHED APRIL 22, 1941. Class 40.

388,735. OUTDOOR FURNITURE. ALBERT B. TENNEY, Boston, Mass.
Filed March 22, 1941. Serial No. 441,836. PUBLISHED APRIL 29, 1941. Class 32.

388,736. MEN'S, WOMEN'S, AND CHILDREN'S LEATHER SHOES. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed January 29, 1941. Serial No. 440,083. PUBLISHED APRIL 22, 1941. Class 39.

388,737. HEELS AND LIFTS MADE OF RUBBER AND FIBER. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed February 4, 1941. Serial No. 440,299. PUBLISHED APRIL 22, 1941. Class 39.

388,738. MEN'S AND BOYS' HATS AND CAPS. IVAN ALPORT, New York, N. Y.
Filed February 5, 1941. Serial No. 440,305. PUBLISHED APRIL 22, 1941. Class 39.

388,739. AIRPLANES AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Buffalo, N. Y.
Filed February 5, 1941. Serial No. 440,310. PUBLISHED APRIL 29, 1941. Class 19.

388,740. AIRPLANES AND STRUCTURAL PARTS THEREOF. BELL AIRCRAFT CORPORATION, Buffalo, N. Y.
Filed February 5, 1941. Serial No. 440,311. PUBLISHED APRIL 29, 1941. Class 19.

388,741. MEN'S AND BOYS' SWIMMING TRUNKS, SPORT SHIRTS, GYM SHIRTS AND SHORTS, AND UNDERWEAR. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 8, 1941. Serial No. 440,442. PUBLISHED APRIL 29, 1941. Class 39.

388,742. MEN'S AND BOYS' SWIMMING TRUNKS, SPORT SHIRTS, GYM SHIRTS AND SHORTS, AND UNDERWEAR. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 8, 1941. Serial No. 440,444. PUBLISHED APRIL 29, 1941. Class 39.

388,743. DRAWING INK. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill.
Filed February 8, 1941. Serial No. 440,459. PUBLISHED APRIL 22, 1941. Class 11.

388,744. NECKTIES. AUGUST G. SEIS, JR., doing business as The Tewa Weaving Industry, Isleta, N. Mex.
Filed February 8, 1941. Serial No. 440,474. PUBLISHED APRIL 22, 1941. Class 39.

388,745. LADIES' AND MISSES' PANTIES. JULES CHASE, doing business as Chase Underwear Co., New York, N. Y.
Filed February 10, 1941. Serial No. 440,489. PUBLISHED APRIL 29, 1941. Class 39.

388,746. CANNED COOKED HAM. DELEGATION OF MEAT PACKERS OF POLAND, INC., New York, N. Y.
Filed February 10, 1941. Serial No. 440,497. PUBLISHED APRIL 29, 1941. Class 46.

388,747. PRINTED RAYON AND ACETATE CLOTH IN THE PIECE. BELDING HEMINWAY CO., New York, N. Y.
Filed February 11, 1941. Serial No. 440,533. PUBLISHED APRIL 29, 1941. Class 42.

388,748. PASTEURIZED CHEESE FOOD MIXTURE OF PROCESS AMERICAN CHEESE, CREAM, DRY SKIM MILK, AND VEGETABLE COLORING. THE BORDEN COMPANY, New York, N. Y.
Filed February 11, 1941. Serial No. 440,538. PUBLISHED APRIL 29, 1941. Class 46.

388,749. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, BLOUSES, SKIRTS, SLACKS, SUITS, AND COATS. STAR-MAID DRESSES, INC., New York, N. Y.
Filed February 11, 1941. Serial No. 440,565. PUBLISHED APRIL 29, 1941. Class 39.

388,750. VENETIAN BLIND HARDWARE—NAMELY, TILTERS. LORENTZEN HARDWARE MF'G. CORP., New York, N. Y.
Filed February 13, 1941. Serial No. 440,629. PUBLISHED APRIL 29, 1941. Class 13.

388,751. VENETIAN BLIND HARDWARE—NAMELY, BRACKETS. LORENTZEN HARDWARE MF'G. CORP., New York, N. Y.
Filed February 13, 1941. Serial No. 440,630. PUBLISHED APRIL 29, 1941. Class 13.

388,752. MISSES', LADIES', AND CHILDREN'S DRESSES, PLAYSUITS, SKIRTS, BLOUSES, AND SMOCKS. THE GERNES GARMENT COMPANY INC., Kansas City, Mo.
Filed February 15, 1941. Serial No. 440,685. PUBLISHED APRIL 29, 1941. Class 39.

388,753. FENCE WICKETS. OSCAR B. FETTERMAN, doing business as Stikit Wikit Company, Washington, D. C.
Filed February 17, 1941. Serial No. 440,716. PUBLISHED APRIL 29, 1941. Class 13.

388,754. MEN'S, WOMEN'S, AND CHILDREN'S RAINCOATS AND RAINCAPES, RAIN SCARVES AND HATS; APRONS AND SMOCKS FOR CHEMISTS, HOSPITAL ATTENDANTS, AND OTHER TECHNICIANS; AND MAKE-UP, TONSORIAL, AND DENTAL CAPES. MCCOY, JONES & COMPANY, INC., Chicago, Ill.
Filed February 17, 1941. Serial No. 440,727. PUBLISHED APRIL 22, 1941. Class 39.

388,755. FRESH CITRUS FRUIT. A. MICHELSON, doing business as National Citrus & Produce Co., Los Angeles, Calif.
Filed February 17, 1941. Serial No. 440,728. PUBLISHED APRIL 29, 1941. Class 46.

388,756. WINES. ROMA WINE COMPANY, INC., Fresno, Calif.
Filed February 18, 1941. Serial No. 440,757. PUBLISHED APRIL 29, 1941. Class 47.

388,757. MACHINERY BEARINGS. CHEFFORD MASTER MANUFACTURING CO., INC., Fairfield, Ill.
Filed February 19, 1941. Serial No. 440,774. PUBLISHED APRIL 22, 1941. Class 23.

388,758. STOP-MOTIONS FOR LOOMS AND WARPING MACHINES, AND DROP WIRES, HEDDLES AND APPURTENANCES THERETO. RHODE ISLAND WARP STOP EQUIPMENT COMPANY, Pawtucket, R. I.
Filed February 19, 1941. Serial No. 440,789. PUBLISHED APRIL 22, 1941. Class 23.

388,759. HATS FOR WOMEN, MISSES, AND CHILDREN. HENRY ROSE STORES, INC., New York, N. Y.
Filed February 19, 1941. Serial No. 440,791. PUBLISHED APRIL 22, 1941. Class 39.

388,760. LADIES' AND MISSES' DRESSES AND DRESS AND JACKET ENSEMBLES. BUNTLY FROCKS, INC., New York, N. Y.
Filed February 20, 1941. Serial No. 440,797. PUBLISHED APRIL 29, 1941. Class 39.

388,761. PLASTIC KNIVES, PLASTIC TABLE CRUMBERS. THE EMELOID CO., INC., Arlington, N. J.
Filed February 20, 1941. Serial No. 440,811. PUBLISHED APRIL 22, 1941. Class 23.

388,762. INSTRUMENTS FOR INDICATING THE RATE OF USE OF FUEL OIL FOR HEATING PURPOSES, AND TO DETERMINE THE RELATIONS BETWEEN QUANTITIES OF FUEL DELIVERED AND THE CUSTOMERS' RATE OF FUEL CONSUMPTION. MEASUREMENT METHODS COMPANY, Chicago, Ill.
Filed February 20, 1941. Serial No. 440,825. PUBLISHED APRIL 22, 1941. Class 26.

388,763. ZINC IN SLABS OR PIGS. UNITED STATES SMELTING REFINING AND MINING COMPANY, Boston, Mass.
Filed February 20, 1941. Serial No. 440,843. PUBLISHED APRIL 29, 1941. Class 14.

388,764. WHISKEY. CANADA DRY GINGER ALE INCORPORATED, New York, N. Y.
Filed February 21, 1941. Serial No. 440,851. PUBLISHED APRIL 29, 1941. Class 49.

388,765. ROTARY FLOOR EDGING SANDING MACHINES. SKILSAW, INCORPORATED, Chicago, Ill.
Filed February 24, 1941. Serial No. 440,963. PUBLISHED APRIL 22, 1941. Class 23.

388,766. LADIES' AND CHILDREN'S DRESSES AND COATS. SAMUEL J. GOLDFARB, New York, N. Y.
Filed February 25, 1941. Serial No. 440,985. PUBLISHED APRIL 29, 1941. Class 39.

388,767. MACHINE TOOL ARBORS. THE HALL PLANETARY COMPANY, Philadelphia, Pa.
Filed February 25, 1941. Serial No. 440,987. PUBLISHED APRIL 22, 1941. Class 23.

388,768. LADIES' AND MISSES' SLIPS, PETTICOATS, AND CAMISOLES OF SILK, SATIN, RAYON, AND COMBINATIONS THEREOF. VICTOR BROWN UNDIES, INC., New York, N. Y.
Filed February 26, 1941. Serial No. 441,014. PUBLISHED APRIL 29, 1941. Class 39.

388,769. HOUSEHOLD, OFFICE, AND OUTDOOR FURNITURE. OLD HICKORY FURNITURE COMPANY, Martinsville, Ind.
Filed February 26, 1941. Serial No. 441,033. PUBLISHED APRIL 29, 1941. Class 32.

388,770. CHEMICAL COMPOUND FOR REMOVING STAINS. SUPERKLEEN CO., New York, N. Y.
Filed February 26, 1941. Serial No. 441,038. PUBLISHED APRIL 29, 1941. Class 4.

388,771. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed February 28, 1941. Serial No. 441,118. PUBLISHED APRIL 22, 1941. Class 21.

388,772. WINE. NATIONAL DISTILLERS PRODUCTS CORPORATION, New York, N. Y.
Filed March 1, 1941. Serial No. 441,139. PUBLISHED APRIL 29, 1941. Class 47.

388,773. CASH REGISTERS, CREDIT REGISTERS, AUTOGRAPHIC REGISTERS, ACCOUNTING MACHINES, ETC. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed March 3, 1941. Serial No. 441,172. PUBLISHED APRIL 22, 1941. Class 26.

388,774. REEDS FOR MUSICAL INSTRUMENTS, AND HARMONICAS. TAYLOR-FREEMAN-STANLEY, INCORPORATED, New York, N. Y.
Filed March 3, 1941. Serial No. 441,186. PUBLISHED APRIL 22, 1941. Class 36.

388,775. LADIES' AND MISSES' DRESSES, SUITS, SKIRTS, BLOUSES, JACKETS, AND DRESS AND JACKET COMBINATIONS. BEAUMART CO., New York, N. Y.
Filed March 4, 1941. Serial No. 441,191. PUBLISHED APRIL 29, 1941. Class 39.

388,776. SPARK PLUGS. FRANK C. REILLY, New York, N. Y.
Filed March 4, 1941. Serial No. 441,214. PUBLISHED APRIL 29, 1941. Class 21.

388,777. FRESH CITRUS FRUITS AND CANNED FRUIT JUICES FOR FOOD PURPOSES. THE SQUIRT COMPANY, Beverly Hills, Calif.
Filed March 4, 1941. Serial No. 441,218. PUBLISHED APRIL 29, 1941. Class 46.

388,778. HACK SAW BLADES. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn.
Filed March 5, 1941. Serial No. 441,229. PUBLISHED APRIL 29, 1941. Class 23.

388,779. TEXTILE FABRICS IN THE PIECE, OF WOOL, WORSTED, RAYON, COTTON, AND COMBINATIONS THEREOF. CHARLES E. SIGLER & CO., INC., New York, N. Y.
Filed March 5, 1941. Serial No. 441,261. PUBLISHED APRIL 29, 1941. Class 42.

388,780. TOY CRAYON SETS, TOY PAINT SETS, AND TOY MARKING CHALK. TRANSOGRAM COMPANY, INC., New York, N. Y.
Filed March 5, 1941. Serial No. 441,265. PUBLISHED APRIL 29, 1941. Class 22.

388,781. PHOTOGRAPHIC CAMERAS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed March 6, 1941. Serial No. 441,280. PUBLISHED APRIL 29, 1941. Class 26.

388,782. LIGHT-SENSITIVE PHOTOGRAPHIC MATERIAL, PARTICULARLY PHOTOGRAPHIC FILM. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed March 6, 1941. Serial No. 441,284. PUBLISHED APRIL 29, 1941. Class 26.

388,783. LADIES' COATS AND SUITS. ALLIED STORES CORPORATION, Wilmington, Del., and doing business as The Bon Marche, Seattle, Wash.
Filed March 7, 1941. Serial No. 441,296. PUBLISHED APRIL 29, 1941. Class 39.

388,784. SUNGLASSES, SUNGLASS LENSES, AND BLANKS FOR SUCH LENSES. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed March 7, 1941. Serial No. 441,298. PUBLISHED APRIL 29, 1941. Class 26.

388,785. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPPRATION OF AMERICA, New York, N. Y.
Filed March 7, 1941. Serial No. 441,307. PUBLISHED APRIL 29, 1941. Class 42.

388,786. SYNTHETIC RUBBER PACKING. CHICAGO BELTING COMPANY, Chicago, Ill.
Filed March 7, 1941. Serial No. 441,308. PUBLISHED APRIL 29, 1941. Class 35.

388,787. EXTRACTS, SYRUPS, AND CONCENTRATES USED IN MAKING SOFT DRINK BEVERAGES, AND NONALCOHOLIC SOFT DRINK BEVERAGES. GREEN & GREEN, Houston, Tex.
Filed March 7, 1941. Serial No. 441,317. PUBLISHED APRIL 29, 1941. Class 45.

388,788. STEEL WOOL AND SOAP CLEANING PADS. THE OHIO MATCH COMPANY, Wadsworth, Ohio.
Filed March 7, 1941. Serial No. 441,323. PUBLISHED APRIL 29, 1941. Class 4.

388,789. MEN'S AND BOYS' SUITS, TROUSERS, JACKETS, AND OVERCOATS. LOUIS SAFFER CO. INC., New York, N. Y.
Filed March 7, 1941. Serial No. 441,329. PUBLISHED APRIL 29, 1941. Class 39.

388,790. ELECTRIC BATTERY CHARGERS. TEXCO BATTERY CHARGER COMPANY, INC., Dallas, Tex.
Filed March 8, 1941. Serial No. 441,379. PUBLISHED APRIL 29, 1941. Class 21.

388,791. NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS AND BASES AND CONCENTRATES AND SIRUPS AND EXTRACTS FOR MAKING SAME. THE SQUIRT COMPANY, Beverly Hills, Calif., and Milwaukee, Wis.
Filed March 11, 1941. Serial No. 441,452. PUBLISHED APRIL 29, 1941. Class 45.

388,792. DENTAL IMPRESSION AND REBASING MATERIAL. J. F. JELENKO & CO. INC., New York, N. Y.
Filed March 12, 1941. Serial No. 441,472. PUBLISHED APRIL 29, 1941. Class 44.

388,793. METALLIC WELDING ELECTRODES. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio.
Filed March 12, 1941. Serial No. 441,475. PUBLISHED APRIL 29, 1941. Class 14.

388,794. TABLE GAME. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed March 17, 1941. Serial No. 441,601. PUBLISHED APRIL 29, 1941. Class 22.

388,795. CARBON PAPER. COLUMBIA RIBBON & CARBON MANUFACTURING CO., INC., Glen Cove, N. Y.
Filed March 21, 1941. Serial No. 441,763. PUBLISHED APRIL 29, 1941. Class 11.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

388,796. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NATIONAL GYPSUM COMPANY, Buffalo, N. Y. Filed Oct. 5, 1937. Serial No. 398,168.

FLOATING WALL

FOR NAILS.
Claims use since May, 1937.

388,797. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PHILLIPS SCREW COMPANY, Wilmington, Del., and Portland, Oreg. Filed Apr. 22, 1939. Serial No. 418,591.

PHILLIPS RECESSED HEAD SCREWS
Gain Time... Guide Driver... Guard Work

FOR SCREW DRIVERS AND SCREWS IN COMBINATION.
Claims use since Jan. 4, 1938.

388,798. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PHILLIPS SCREW COMPANY, Wilmington, Del., and Vancouver, Wash. Filed Apr. 22, 1939. Serial No. 418,592.

Phillips

FOR SCREW DRIVERS AND SCREWS IN COMBINATION.
Claims use since Jan. 4, 1937.

388,799. (CLASS 39. CLOTHING.) THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Aug. 18, 1939. Serial No. 422,748.

Heatherknit

FOR MEN'S TOPCOATS AND OVERCOATS.
Claims use since June 21, 1939.

388,800. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BUXTON, INCORPORATED, Springfield, Mass. Filed Sept. 20, 1939. Serial No. 423,753.

Lady Buxton

FOR LEATHER KEY CASES, PURSES, BILLFOLDS, AND POCKETBOOKS.
Claims use since Mar. 14, 1938.

388,801. (CLASS 39. CLOTHING.) NATIONAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed Mar. 7, 1940. Serial No. 429,313.

Beauty-Fit Foot

FOR HOSIERY.
Claims use since Jan. 15, 1940.

388,802. (CLASS 39. CLOTHING.) DEXDALE HOSIERY MILLS, Lansdale, Pa. Filed Mar. 13, 1940. Serial No. 429,518.

Gossamer Gauge

FOR HOSIERY.
Claims use since Feb. 27, 1940.

388,803. (CLASS 39. CLOTHING.) DEXDALE HOSIERY MILLS, Lansdale, Pa. Filed Mar. 13, 1940. Serial No. 429,519.

Super Gauge

No claim is made to the word "Gauge" apart from the mark.
FOR HOSIERY.
Claims use since Oct. 25, 1939.

388,804. (CLASS 39. CLOTHING.) PANTHER-PANCO RUBBER CO. INC., Chelsea, Mass. Filed Apr. 18, 1940. Serial No. 430,920.

GRIPLUG

FOR RUBBER SOLES AND TAPS.
Claims use since Aug. 25, 1939.

388,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSENBERG BROS. & CO., San Francisco, Calif. Filed Apr. 22, 1940. Serial No. 430,988.

HAIGA MAI

English translation of the Japanese words "Haiga Mai" is "Eye of the Rice."
FOR RICE.
Claims use since Jan. 6, 1940.

388,806. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THEODORE O. SALZER, doing business as Hardcote Process Company, Milwaukee, Wis. Filed Apr. 20, 1940. Serial No. 431,023.

HARDCOTE

FOR STEEL, TOOL STEEL, AND HIGH SPEED STEEL.
Claims use since Oct. 6, 1939.

388,807. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN PULLEY COMPANY, Philadelphia, Pa. Filed Apr. 26, 1940. Serial No. 431,230.

AMERICAN
HI-TORQUE



MOTOR PULLEY

FOR FIBER PULLEYS.
Claims use since Apr. 10, 1940.

388,808. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTOMATIC RADIO MANUFACTURING CO., INC., Boston, Mass. Filed June 13, 1940. Serial No. 432,963.

REJUVENATOR

FOR INTERNAL OR EXTERNAL APPARATUS USED IN CONJUNCTION WITH RADIO OR OTHERWISE FOR RECHARGING DRY BATTERIES.
Claims use since Mar. 1, 1939.

388,809. (CLASS 39. CLOTHING.) DEVONSHIRE JR. INC., New York, N. Y. Filed July 2, 1940. Serial No. 433,602.

"Feather Twill"

FOR LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF DRESS AND COAT.
Claims use since March, 1940.

388,810. (CLASS 39. CLOTHING.) MODERN MANUFACTURING CO., INC., New York, N. Y. Filed July 20, 1940. Serial No. 434,188.



FOR DRESSES FOR WOMEN, MISSES, AND CHILDREN, HOUSE DRESSES, AND PAJAMAS.
Claims use since May 1, 1940.

388,811. (CLASS 13. HARDWARE AND PLUMBING, AND STEAM-FITTING SUPPLIES.) RICHTER BROS., Los Angeles, Calif. Filed Aug. 23, 1940. Serial No. 435,316.

STOVURN

FOR COFFEE MAKING EQUIPMENT — TO-WIT, PERCOLATORS, DRIP UNITS, VACUUM UNITS, AND COFFEE BOILING UNITS.
Claims use since Jan. 1, 1932.

388,812. (CLASS 39. CLOTHING.) MAX HELLMAN, doing business as Hellman & Hellman, New York, N. Y. Filed Dec. 18, 1940. Serial No. 438,984.



FOR WOMEN'S, MISSES', AND GIRLS' DRESSES, BLOUSES, SKIRTS, PLAYSUITS, AND CULOTTES OF WOOLEN AND WORSTED FABRICS.
Claims use since May 18, 1937.

388,813. (CLASS 32. FURNITURE AND UPHOLSTERY.) WOODWARD & LOTHROP, Washington, D. C. Filed Feb. 19, 1941. Serial No. 440,794.

Wakefield

FOR MATTRESSES AND PILLOWS.
Claims use since Jan. 6, 1939, on mattresses; since June 1, 1940, on pillows.

388,814. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE LLOYD PRODUCTS COMPANY, Providence, R. I. Filed Mar. 3, 1941. Serial No. 441,167.

Lloyd

FOR SOCKETS FOR GAS FILLED ELECTRICALLY ENERGIZED LAMPS AND STARTERS FOR SUCH LAMPS.
Claims use since May 1, 1940.

388,815. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARSHALL-WELLS COMPANY, doing business as Ol' Reliable Sporting Goods Co., Duluth, Minn. Filed Mar. 15, 1941. Serial No. 441,584.

Ol' Reliable

FOR FOOT BALLS, BASKET BALLS, BOXING GLOVES, BASE BALLS, CATCHER MITTS, BASEMEN'S MITTS, FIELDERS' GLOVES, CATCHERS' MASKS, BASE BALL BATS, TENNIS RACKETS, TENNIS BALLS, CROQUET SETS, MINNOW BUCKETS, FISHING TACKLE, SUCH AS, FLY RODS, CASTING RODS, CASTING REELS, FISHING LINES, ARTIFICIAL FISHING BAITS, TROUT BASKETS, TACKLE BOXES, COASTER WAGONS, CHILDREN'S SLEDS, SKIS, PUSH-STICKS, TOBOGGANS, SNOW SHOES, GOLF BAGS, GOLF CLUBS, GOLF BALLS, GOLF TEES, HOCKEY STICKS, HORSE SHOES (PITCHING), ICE SKATES, ROLLER SKATES, AND CHILDREN'S TOY VELOCIPEDES.

Claims use since Apr. 8, 1934, on footballs; since April, 1935, on tennis rackets; since Sept. 15, 1935, on all other items.

388,816. (CLASS 39. CLOTHING.) LEIGHTON HATS, INC., New York, N. Y. Filed Mar. 26, 1941. Serial No. 441,970.

Leighton

FOR LADIES' HATS.
Claims use since June, 1933.

388,817. (CLASS 39. CLOTHING.) BLOOMINGDALE BROS., INC., New York, N. Y. Filed Mar. 31, 1941. Serial No. 442,100.

sue abbot

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, HATS, COATS, SUITS, AND SHOES MADE OF LEATHER, FABRIC, RUBBER AND COMBINATIONS THEREOF.
Claims use since Mar. 15, 1940.

388,818. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JAY LEWIS AMBROSE, Denver, Colo. Filed Apr. 1, 1941. Serial No. 442,157.

Old Whiskiwine Brand

FOR CORDIALS, BLENDED WHISKEYS, WHISKEY BLENDED WITH WINE AND DEFINED BY THE TREASURY DEPARTMENT AS A DISTILLED ALCOHOLIC LIQUEUR.
Claims use since Aug. 13, 1936.

388,819. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PREMIER TEXTILE CORP., New York, N. Y. Filed Apr. 2, 1941. Serial No. 442,212.

TRU VALU

FOR BED SHEETS, PILLOW CASES, BED SPREADS, QUILT COVERS, BLANKETS, TOWELS, BATH MATS, TABLE CLOTHS, NAPKINS, COTTON AND SILK PIECE GOODS.
Claims use since Jan. 2, 1939.

388,820. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) ANGEL P. JULIÁ, doing business as Compañía Licorera Julia, Santurce, Puerto Rico. Filed Apr. 10, 1941. Serial No. 442,448.

MOROVIS

FOR RUM.
Claims use since June 20, 1938.

388,821. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOOCH FOOD PRODUCTS COMPANY, Lincoln, Nebr. Filed Apr. 26, 1941. Serial No. 443,006.

Italian Cafe Brand

FOR SPAGHETTI AND SPAGHETTI SAUCE.
Claims use since Mar. 26, 1940.

388,822. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUTOMOTIVE REPLACEMENTS, INC., Coldwater, Mich. Filed Apr. 28, 1941. Serial No. 443,032.

"Exact Brand"

FOR AUTOMOBILE PARTS—NAMELY, CYLINDER-HEADS, WATER PUMPS, CLUTCH FORKS, AND PARTS THEREOF.
Claims use since 1938.

388,823. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SAMUEL GOLDY, New York, N. Y. Filed Apr. 28, 1941. Serial No. 443,042.

Bilt-Right
and Measure Right

FOR MEASURING AND EXAMINING
FOR FABRIC MEASURING AND EXAMINING MACHINE.
Claims use since 1935.

388,824. (CLASS 39. CLOTHING.) NATIONAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed Apr. 30, 1941. Serial No. 443,130.

Glove Fit Foot

FOR HOSIERY.
Claims use since Dec. 1, 1939.

TRADE-MARK REGISTRATIONS RENEWED

20,086. **PROPHYLACTIC.** TOOTH BRUSHES. Registered August 25, 1891. FLORENCE MANUFACTURING COMPANY, Florence, Mass., New York, N. Y., and Chicago, Ill. Re-renewed August 25, 1941; to Pro-phylac-tic Brush Company, Northampton, Mass., a corporation of Delaware, assignee by mesne assignments.

142,329. **ADMIRA.** CORSETS. Registered May 10, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed May 10, 1941.

142,522. **NORTHLAND.** IRON AND STEEL. Registered May 17, 1921. FEDERAL TOOL & ALLOY STEEL CORPORATION. Renewed May 17, 1941, to Swedish Iron & Steel Corporation, New York, N. Y., a corporation of New York, by merger.

142,749. **VALLEY FORGE SPECIAL.** LAGER-BEER. Registered May 17, 1921. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa., a corporation of Pennsylvania. Renewed May 17, 1941.

143,165. **EVER-STA.** CORSETS. Registered May 24, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed May 24, 1941.

143,605. **CORDINE.** WOOLEN PIECE GOODS. Registered June 7, 1921. FORSTMANN & HUFFMANN CO. Renewed June 7, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

143,607. **SILKOLAINE.** WOOLEN PIECE GOODS. Registered June 7, 1921. FORSTMANN & HUFFMANN CO. Renewed June 7, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

143,608. **MOUSSYNE.** WOOLEN PIECE GOODS. Registered June 7, 1921. FORSTMANN & HUFFMANN CO. Renewed June 7, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

143,609. **DELPHINE.** WOOLEN PIECE GOODS. Registered June 7, 1921. FORSTMANN & HUFFMANN CO. Renewed June 7, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

143,611. **VELMIRAGE.** WOOLEN PIECE GOODS. Registered June 7, 1921. FORSTMANN & HUFFMANN CO. Renewed June 7, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

143,712. **OLD SLEEPY EYE.** WHEAT-FLOUR. Registered June 7, 1921. THE KANSAS FLOUR MILLS COMPANY, Sleepy Eye, Minn. Renewed June 7, 1941, to Flour Mills of America, Inc., Kansas City, Mo., a corporation of Delaware, assignee by mesne assignments.

143,949. **MARVELAINE.** WOOLEN PIECE GOODS. Registered June 21, 1921. FORSTMANN & HUFFMANN CO. Renewed June 21, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

143,950. **PIQUETWILL.** WOOLEN PIECE GOODS. Registered June 21, 1921. FORSTMANN & HUFFMANN CO. Renewed June 21, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

143,951. **PIQUETINE.** WOOLEN PIECE GOODS. Registered June 21, 1921. FORSTMANN & HUFFMANN CO. Renewed June 21, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

144,013. **REPRESENTATION OF A KEYSTONE.** CERTAIN NAMED CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PREPARATIONS. Registered June 21, 1921. H. K. MULFORD CO. Renewed June 21, 1941, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

144,053. **REGRESSIN.** A LIQUID MEDICINAL ANTISEPTIC FOR HYPODERMIC MEDICATION. Registered June 21, 1921. SHARP & DOHME, Baltimore, Md. Renewed June 21, 1941, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

144,066. **REPRESENTATION OF A HAND AND SPRING.** CERTAIN ARTICLES OF HARDWARE. Registered June 21, 1921. HERBERT TERRY & SONS, LTD., Redditch, England, an organized company of Great Britain. Renewed June 21, 1941.

144,158. **KAMEHAMEHA.** COFFEE, CANNED FISH, CANNED FRUIT, CANNED VEGETABLES, AND BUTTER. Registered June 28, 1921. AMERICAN FACTORS, LIMITED, Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation of the Territory of Hawaii. Renewed June 28, 1941.

144,217. **IRON KING.** CERTAIN AGRICULTURAL IMPLEMENTS. Registered June 28, 1921. CHAS. W. GENUNG, Madison, Ohio. Renewed June 28, 1941, to S. L. Allen & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

144,369. **BLACK CAT.** LIQUID BLACK COAL-TAR PAINT FOR PAINTING ROOFS AND OTHER EXPOSED SURFACES. Registered July 5, 1921. CLEAVER MANUFACTURING COMPANY, Pendleton, Oreg. Renewed July 5, 1941, to Cleaver Manufacturing Company, Portland, Oreg., a corporation of Oregon.

144,810. **PROVINCIAL.** WHEAT-FLOUR. Registered July 19, 1921. INTERPROVINCIAL FLOUR MILLS LTD., Saskatoon, Saskatchewan, Canada. Renewed July 19, 1941, to Robin Hood Flour Mills Limited, Moose Jaw, Saskatchewan, Canada, a corporation of the Dominion of Canada, assignee.

144,811. **O.S.A.** WHEAT-FLOUR. Registered July 19, 1921. INTERPROVINCIAL FLOUR MILLS LTD., Saskatoon, Saskatchewan, Canada. Renewed July 19, 1941, to Robin Hood Flour Mills Limited, Moose Jaw, Saskatchewan, Canada, a corporation of the Dominion of Canada, assignee.

144,936. **BARBERS PET.** RAZOR-STROPS. Registered July 19, 1921. SIMMONS HARDWARE COMPANY. Renewed July 19, 1941, to Shapleigh Hardware Company, St. Louis, Mo., a corporation of Missouri, assignee.

145,199. **UNIVERSAL.** CERTAIN POSTMARKING, METERING, AND OTHER MACHINES. Registered July 26, 1921. UNIVERSAL STAMPING MACHINE COMPANY, Stamford, Conn., a corporation of Delaware. Renewed July 26, 1941.

145,370. **GRAPETTE.** A NON-ALCOHOLIC, NON-CEREAL, MALTLESS FRUIT BEVERAGE, CONTAINING LESS THAN ONE-HALF OF ONE PER CENT. OF ALCOHOL, BY VOLUME, SOLD AS A SOFT DRINK. Registered August 2, 1921. DAVID N. GOLDBERG, Chicago, Ill. Renewed August 2, 1941, to B. T. Fooks Manufacturing Company, Camden, Ark., a copartnership, assignee by mesne assignments.

145,811. **LA-JEL.** ANTISEPTIC LUBRICATING JELLY. Registered August 16, 1921. SHARP & DOHME, Baltimore, Md. Renewed August 16, 1941, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

145,819. **TIGER-FOOT.** RUBBER VEHICLE-TIRES. Registered August 16, 1921. THE STANDARD TIRE COMPANY. Renewed August 16, 1941, to The Standard Rubber Company, Willoughby, Ohio, a corporation of Ohio, assignee.

146,196. **GOLDEN RULE.** FILTER-PAPERS, PARAFFIN-WAX PAPERS, AND TOILET-PAPERS. Registered September 6, 1921. THE CITIZENS WHOLESALE SUPPLY CO., Columbus, Ohio, a corporation of Ohio. Renewed September 6, 1941.

146,363. **REPRESENTATION OF AN INDIAN HEAD.** SILK AND SATIN GOODS IN THE PIECE. Registered September 6, 1921. WILLIAM SKINNER & SONS, New York, N. Y., and Holyoke, Mass., a common law trust of Massachusetts. Renewed September 6, 1941.

146,406. **PACKRITE.** WATERPROOF PAPERS. Registered September 6, 1921. J. J. WHITE PAPER COMPANY, Canton, Mass., a corporation of Massachusetts. Renewed September 6, 1941.

147,012. **MEYER.** CERTAIN NAMED MEDICINES, CHEMICALS, AND PHARMACEUTICAL PREPARATIONS. Registered September 27, 1921. MEYER BROTHERS DRUG COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed September 27, 1941.

147,143. **S. M.** TANNING EXTRACTS. Registered October 4, 1921. NEW YORK QUEBRACHO EXTRACT COMPANY. Renewed October 4, 1941, to The Tannin Corporation, New York, N. Y., a corporation of New York, by change of name.

147,177. **HER MAJESTY.** HAIR-NETS. Registered October 4, 1921. CHARLES K. THAU, doing business as Laura Hair Novelty Co., New York, N. Y. Renewed October 4, 1941.

147,178. **MILTONET.** HAIR-NETS. Registered October 4, 1921. CHARLES K. THAU, doing business as Laura Hair Novelty Co., New York, N. Y. Renewed October 4, 1941.

147,377. **O. S. M.** TANNING EXTRACTS. Registered October 11, 1921. NEW YORK QUEBRACHO EXTRACT COMPANY. Renewed October 11, 1941, to The Tannin Corporation, New York, N. Y., a corporation of New York, by change of name.

147,378. **O. S. M. S.** TANNING EXTRACTS. Registered October 11, 1921. NEW YORK QUEBRACHO EXTRACT COMPANY. Renewed October 11, 1941, to The Tannin Corporation, New York, N. Y., a corporation of New York, by change of name.

147,379. **WATEX.** TANNING EXTRACTS. Registered October 11, 1921. NEW YORK QUEBRACHO EXTRACT COMPANY. Renewed October 11, 1941, to The Tannin Corporation, New York, N. Y., a corporation of New York, by change of name.

147,380. **4-35.** MORDANTS FOR TEXTILES. Registered October 11, 1921. NEW YORK QUEBRACHO EXTRACT COMPANY. Renewed October 11, 1941, to The Tannin Corporation, New York, N. Y., a corporation of New York, by change of name.

147,381. **S. M. S.** TANNING EXTRACTS. Registered October 11, 1921. NEW YORK QUEBRACHO EXTRACT COMPANY. Renewed October 11, 1941, to The Tannin Corporation, New York, N. Y., a corporation of New York, by change of name.

147,810. **FRITINA.** COOKING-FATS. Registered November 1, 1921. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed November 1, 1941.

147,825. **HYNITE.** FERTILIZERS. Registered November 1, 1921. UNITED FERTILIZER COMPANY, Carrollville, Wis., a corporation of Wisconsin. Renewed November 1, 1941.

147,943. **BUFFALO.** CERTAIN METAL-WORKING, SUGAR-MAKING, RICE AND GRAIN TREATING, AND OTHER MACHINERY. Registered November 8, 1921. Buffalo Forge Company, Buffalo, N. Y., a corporation of New York. Renewed November 8, 1941.

147,956. **COLONIAL GIRL.** LADIES' HOSIERY. Registered November 8, 1921. CHIPMAN KNITTING MILLS, Easton, Pa. Renewed November 8, 1941, to Chipman Knitting Mills, Spring Grove, Easton, Pa., a corporation of Pennsylvania.

147,961. **GOLDEN RULE.** CLEANSER, SANITARY DISH-WASHING COMPOUND, AUTOMOBILE-SOAP, SOAP FLAKES, WASHING-POWDER, WASHING-MACHINE FLAKES, AND METAL-POLISH. Registered November 8, 1921. THE CITIZENS' WHOLESALE SUPPLY CO., Columbus, Ohio, a corporation of Ohio. Renewed November 8, 1941.

147,972. **PEERLESS.** STARCH FOR MANUFACTURING AND LAUNDRY PURPOSES. Registered November 8, 1921. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed November 8, 1941.

148,005. **MARATHON.** CERTAIN NAMED JEWELRY AND PRECIOUS-METAL WARE. Registered November 8, 1921. SAMUEL M. EINSTEIN. Renewed November 8, 1941, to Marathon Co., Attleboro, Mass., a corporation of Massachusetts, successor.

148,056. **OH BOY.** CHEWING-GUM. Registered November 8, 1921. THE GOUDEY GUM CO., Boston, Mass. Renewed November 8, 1941, to The Goudey Gum Company, Allston, Mass., a corporation of Massachusetts.

148,089. **THE BETTER WAY.** A BIWEEKLY MAGAZINE OR PAMPHLET. Registered November 8, 1921. INTERNATIONAL MAGAZINE COMPANY. Renewed November 8, 1941, to Hearst Magazines Inc., New York, N. Y., a corporation of Delaware, by merger.

148,133. **DARBY CLAY.** CERTAIN NAMED PIECE GOODS. Registered November 8, 1921. LESHER, WHITMAN & CO., INC., New York, N. Y. Renewed November 8, 1941, to Goodall Worsted Company, Sanford, Maine, a corporation of Maine, successor.

148,150. **LOXON.** ELECTRIC-LAMP GUARDS. Registered November 8, 1921. MCGILL MANUFACTURING COMPANY, Valparaiso, Ind., a corporation of Indiana. Renewed November 8, 1941.

148,173. **NATIONAL.** LOOSE-LEAF AND BOUND BLANK BOOKS AND INDEXES. Registered November 8, 1921. NATIONAL BLANK BOOK CO. Renewed November 8, 1941, to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts, assignee.

148,218. **MOONSTAR.** EDIBLE COCOANUT-OIL. Registered November 8, 1921. THE PROCTOR & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed November 8, 1941.

148,222. **ACCO.** WHEAT-FLOUR AND ROLLED OATS. Registered November 8, 1921. THE QUAKER OATS COMPANY, Chicago, Ill., a corporation of New Jersey. Renewed November 8, 1941.

148,245. **ANGELUS.** MARSHMALLOWS, CHOCOLATES, FUDGE, FILLED CANDIES, HARD CANDIES, AND STICK-CANDIES. Registered November 8, 1921. RUECKHEIM BROS. & ECKSTEIN. Renewed November 8, 1941, to Angelus-Campfire Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

148,278. **VANITY FAIR.** TOILET SOAPS. Registered November 8, 1921. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 8, 1941.

148,287. **ALCORUB.** COMPOSITIONS CONTAINING ALCOHOL FOR BATHING, MASSAGE, AND OTHER EXTERNAL USES. Registered November 8, 1921. U. S. INDUSTRIAL ALCOHOL CO. Renewed November 8, 1941, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee.

148,288. **ALCORUB.** COMPOSITIONS CONTAINING ALCOHOL FOR BATHING, MASSAGE, AND OTHER EXTERNAL USES. Registered November 8, 1921. U. S. INDUSTRIAL ALCOHOL CO. Renewed November 8, 1941, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee.

148,343. **ALBEMARLE.** WRITING, PRINTING, BLOTTING, TISSUE, AND WRAPPING PAPERS. Registered November 15, 1921. THE ALBEMARLE PAPER MANUFACTURING COMPANY, Richmond, Va., a corporation of Virginia. Renewed November 15, 1941.

148,346. **ARMCO.** CERTAIN PRODUCTS OF PURE IRON. Registered November 15, 1921. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, a corporation of Ohio. Renewed November 15, 1941.

148,383. **BILLYBOY.** LEATHER SHOES. Registered November 15, 1921. CRADDOCK-TERRY COMPANY. Renewed November 15, 1941, to Craddock-Terry Shoe Corporation, Lynchburg, Va., a corporation of Virginia.

148,390. **DITZLER.** PASTE AND DRY PAINTS, VARNISHES, PRIMERS, PAINT ENAMELS, JAPAN COLORS, AND UNDERCOATINGS. Registered November 15, 1921. DITZLER COLOR COMPANY, Detroit, Mich., a corporation of Michigan. Renewed November 15, 1941.

148,400. **ETCHISON.** HATS AND CAPS FOR MEN AND CHILDREN AND HATS FOR WOMEN. Registered November 15, 1921. ETCHISON HAT COMPANY, INC., Richmond, Va., a corporation of Virginia. Renewed November 15, 1941.

148,451. **JAX.** NON-ALCOHOLIC, CEREAL BEVERAGES CONTAINING MALT, SOLD AS SOFT DRINKS, CONTAINING LESS THAN ONE-HALF OF ONE PER CENT. OF ALCOHOL, BY VOLUME. Registered November 15, 1921. JACKSON BREWING COMPANY, New Orleans, La., a corporation of Louisiana. Renewed November 15, 1941.

148,500. **QUAKER.** POWDERS FOR CONFECTIONER'S USE, FLAVORING EXTRACTS, PIE-FILLINGS, SYRUPS FOR MAKING CANDIES. Registered November 15, 1921. HENRY H. OTTENS MFG. CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed November 15, 1941.

148,505. **HQ.** CERTAIN NAMED PAINTS, ENAMELS, COLORS, AND POLISHES. Registered November 15, 1921. PATEK BROTHERS. Renewed November 15, 1941, to Patek Brothers, Inc., Milwaukee, Wis., a corporation of Wisconsin, assignee.

148,546. **PERFEX.** OPTICAL LENSES. Registered November 15, 1921. TITMUS OPTICAL CO., INC., Petersburg, Va., a corporation of Virginia. Renewed November 15, 1941.

PATENTS

GRANTED JULY 8, 1941

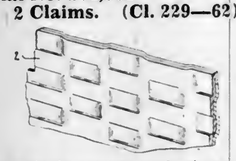
2,248,038

PACKAGE

Ross T. Adams, Battle Creek, Morris Raymer, Augusta, and Richard S. Poole, Bedford, Mich., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware

Original application October 31, 1938, Serial No. 237,942. Divided and this application May 19, 1939, Serial No. 274,624

2 Claims. (Cl. 229—62)



2. A new article of manufacture comprising a container bag having wax-like surfaces, said bag having the mouth walls contacting and interlocked by horizontal rows of spaced indentations, the indentations of adjacent rows being arranged alternately and in staggered relation with respect to each other, said indentations being of similar transversely elongated rectangular configuration having substantially flat bottom surfaces and the dimensions of each indentation in vertical and transverse directions of such surfaces being such that every portion of the mouth walls having contacting surfaces in the vertical and transverse directions is indented.

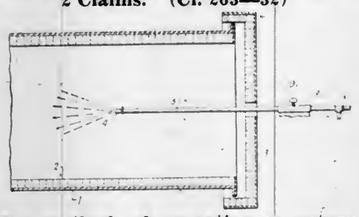
2,248,039

METHOD OF OPERATING A ROTARY KILN

Niles M. Anderson, Tacoma, Wash.

Application September 21, 1938, Serial No. 231,031

2 Claims. (Cl. 263—32)



1. The method of operating a rotary kiln which comprises introducing into the charging end of the kiln material which tends to cake onto the wall of the kiln at one stage of its burning, directing flame towards the charging end from a source within, and at the axis of, the kiln, and shifting the flame longitudinally of the axis of the kiln and thereby changing the location where the material reaches the caking stage.

2,248,040

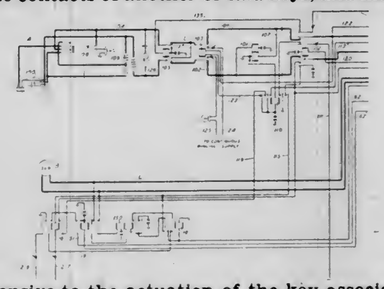
TELEPHONE SYSTEM

William M. Beaumont, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 20, 1940, Serial No. 319,850

9 Claims. (Cl. 179—27)

1. In a telephone system, a plurality of switching keys located at an attendant's position, a line circuit terminating in the contacts of one of said keys and having a station thereon, a visual signal at said station, a second line circuit terminating in the contacts of another of said keys, and means



responsive to the actuation of the key associated with said second line circuit for energizing the visual signal at the station of said first line circuit.

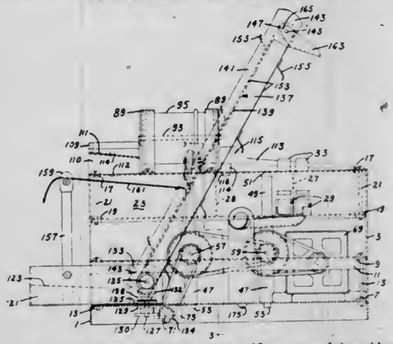
2,248,041

TOY MATERIAL HANDLING AND DISPLAY DEVICE

Russel D. Beerbower. Fort Wayne, Ind.

Application August 9, 1939, Serial No. 289,159

13 Claims. (Cl. 46—40)



1. In a ball handling toy, the combination of first and second hoppers disposed at different levels and means for conveying balls from the lower to the upper hopper, a plurality of storage hoppers disposed at a level intermediate said first mentioned hoppers and means for gravitationally feeding said balls to said storage hoppers, said last named means including means for automatically classifying said balls as to size and depositing all balls of similar size in the same hopper, means for feeding said balls one at a time to said classifying means and common power means for driving said conveying and said feeding means.

2,248,042

VIBRATING SCREEN

Leon E. Chamberlain, Oakfield, N. Y., assignor to Alfred E. Fielding, Buffalo, N. Y.

Application January 19, 1939, Serial No. 251,769

2 Claims. (Cl. 209—326)

1. In a vibrating screen, a base frame, a screen

frame resiliently mounted on said base frame, means for positively gyrating said screen frame in a vertical plane, impact means disposed between said base frame and the bottom of the screen frame for imparting vibrations to the screen frame supplementary to those normally imparted thereto, said means including supporting bracket attached to said base frame below the screen frame and having vertical guide-ways therein, a vertically-displaceable impact bar engaging the bracket guide-ways for movement



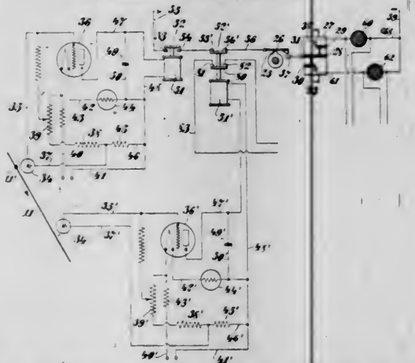
toward and from said screen frame and for abutting thrust engagement at its upper end with the adjoining portion of the screen frame, and a compression spring applied to said bar for yieldingly resisting its downward displacement and imparting smart up-thrusts thereto to supplement the normal vibrations of the screen frame, said impact bar being spaced from the screen frame during a part of its gyrating path and being engageable therewith during another part of such path.

2,248,043

PROTECTIVE DEVICE FOR WEB REGISTER CONTROL MECHANISM

James Degnan, Corona, Long Island, N. Y., assignor to Speedry Gravure Corporation, New York, N. Y., a corporation of New York

Application May 26, 1937, Serial No. 144,817
1 Claim. (Cl. 177—311)



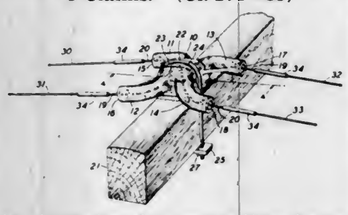
Web control mechanism for printing presses having a plurality of printing cylinders comprising means responsive to predetermined portions of a web, a plurality of electro-responsive means, electric circuits for each of said last-named means, a signal lamp in each of said circuits, means in both of said circuits for advancing or retarding said web, rotary means in timed relation to said cylinders for making a connection to the circuits alternately and at regular intervals, means actuated by the means responsive to the predetermined portions of the web for controlling said circuits, a photoelectric cell responsive to the absence of said web, and means controlled by said photoelectric cell for interrupting said circuits to render said signal lamps and the means for retarding and advancing said web ineffective.

2,248,044

TRANSPOSITION INSULATOR

Richard C. Dehmel, Los Angeles, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 21, 1939, Serial No. 257,599
5 Claims. (Cl. 174—33)



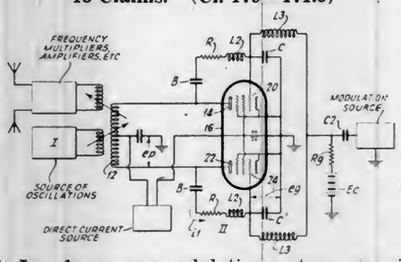
1. An insulator for supporting transmission wires in transposed relation, comprising a body of molded insulating material, a plurality of diagonally disposed arms integral with said body portion, said body and arms having embedded therein a plurality of metallic members, said members being spaced apart, crossing one over the other, and having their ends protruding beyond the ends of said arms.

2,248,045

FREQUENCY MODULATION

Orville E. Dow, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 1, 1939, Serial No. 282,406
13 Claims. (Cl. 179—171.5)



1. In a frequency modulation system an oscillation generator including a frequency determining circuit, and means for modulating the oscillations generated including a pair of electron discharge tube systems each having an anode, a cathode and a control grid, means coupling the anodes of said tube systems to points of substantially opposed radio-frequency voltages on said circuit, means for applying radio-frequency voltages to the control electrodes of each of said electron discharge systems, the voltages on the control electrodes and anodes of the respective systems being displaced by substantially 90°, and means for modulating the impedances of the electron discharge systems in phase at signal frequency.

2,248,046

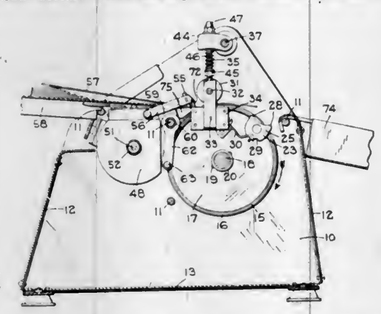
MANIFOLDING MACHINE

Frank Ronald Ford, Sparkbrook, Birmingham, England, assignor to Frank R. Ford Limited, Birmingham, England

Application September 5, 1939, Serial No. 293,519
In Great Britain September 30, 1938
7 Claims. (Cl. 101—132.5)

1. A manifolding machine comprising a stationary frame, a rotatable cylinder, means for attaching a master sheet to said cylinder, a roller

co-operating with said cylinder and adapted to bring a moistened copy sheet into pressure contact with the master sheet on said cylinder, bearings supporting the ends of said roller and mounted on said frame for sliding movement towards or away from said cylinder, an oscillatable shaft carried by said frame, crank arms



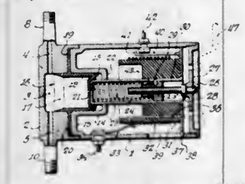
fixed on said shaft, screw-threaded rods carried by said bearings and extending through openings in said crank arms, nuts screwed on said rods and co-operating with the sides of said crank arms nearest said bearings to enable individual adjustment of the pressures exerted on said cylinder by the ends of said roller.

2,248,047

TIRE SIGNAL AND SYSTEM

Roy Addy and Henry E. Addy, Milwaukee, Wis.

Application October 12, 1939, Serial No. 299,053
5 Claims. (Cl. 201—48)



1. A pressure responsive device of the character described for actuating an electric signal for an inflatable pneumatic tire, comprising a base member and an outer casing member secured thereto, said base member having a pressure receiving chamber opening towards the outer casing member and connectable with the interior of the tire to be subject to the air pressure therein, a flexible rubber diaphragm clamped between said members and having a tubular portion extending into the outer casing in line with said chamber and providing a continuation thereof, said outer casing having a tubular section embracing the tubular portion of the diaphragm to support the same, the tubular portion of the diaphragm having its end within the tubular section of the outer casing closed by an end wall having an integral connection with the surrounding wall of said tubular portion, a spring biased plunger slidably mounted within the outer casing and pressed inwardly against the end wall of the tubular portion of the diaphragm to force said end wall into said tubular portion towards the chamber on a pressure reduction therein by a doubling over action of the surrounding wall of the tubular portion adjacent to its connection with said end wall, and cooperating electrical contacts carried by the plunger and the outer casing, respectively, for controlling the flow of an electric current through an electrical circuit containing an alarm device in the axial movement of the plunger within the outer casing.

2,248,048

THICKENER FOR DECORATING TEXTILES OF ORGANIC DERIVATIVES OF CELLULOSE

John Allan and James Arthur Wainwright, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 22, 1938, Serial No. 236,573. In Great Britain April 24, 1937
3 Claims. (Cl. 8—63)

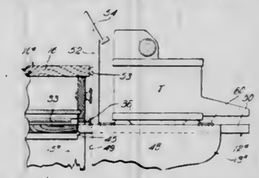
1. An aqueous composition containing a substance capable of modifying the appearance of a textile material having a basis of a water-insoluble organic derivative of cellulose, said composition being adapted to yield a sharply-defined pattern when applied locally to said textile material and comprising a substantial proportion of a high-boiling solvent for said organic derivative of cellulose and, as a thickening agent, a water-soluble carboxy alkyl ether of cellulose which yields a 5% aqueous solution having a specific viscosity of at least 20.

2,248,049

DESK CONSTRUCTION

Daniel G. Anderson, Los Angeles, Calif.

Application October 3, 1939, Serial No. 297,686
8 Claims. (Cl. 312—30)



1. Means for mounting a typewriter or the like on a desk having a knee space comprising a base for carrying the typewriter, means supporting the base for swinging movement between a position in said space where the typewriter is inverted on the under side of the base and a projecting position at the mouth of the space where the typewriter is upright, and means movable with the base for supporting the base in the second named position, the last named means comprising a brace hinged to the base to pivot about an axis substantially parallel with the side edges of the base to depend therefrom and adapted to be swung laterally to bear on the face of the desk at one side of the knee space when the base is in said second named position.

2,248,050

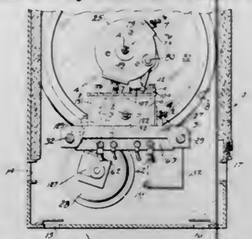
ELECTRIC ARC LAMP

George J. Anderson, Hollywood, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application September 18, 1939, Serial No. 295,472
8 Claims. (Cl. 176—51)

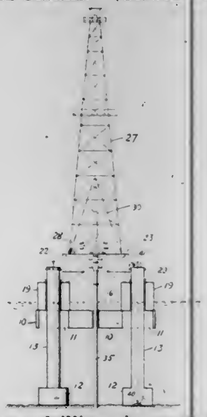
1. Electric arc apparatus comprising the combination of a positive electrode feeding device, a negative electrode feeding device, a drive shaft for driving one of said devices, means for rotating said shaft, a shaft for driving the other of said devices, a frictional clutch operatively connecting said last mentioned shaft to said first men-

tioned shaft for driving said other device, and means actuated by said first shaft for intermit-



tently rendering said clutch inoperative to drive said other shaft.

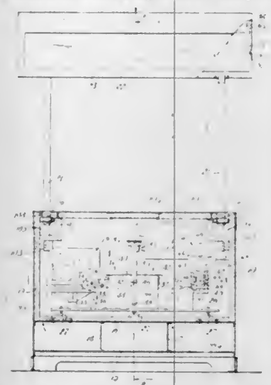
2,248,051
OFFSHORE DRILLING RIG
Edward R. Armstrong, New York, N. Y., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application December 28, 1938, Serial No. 248,051
11 Claims. (Cl. 255—1)



1. An offshore drilling rig comprising a superstructure adapted to support a derrick structure, a plurality of horizontally spaced independent buoyancy units connected in spaced relation to said superstructure and supporting the same, means for regulating the buoyancy of said units, a plurality of longitudinally movable vertical columns supported by said superstructure and means for locking said columns in a vertically adjusted position in extension below the buoyancy units respectively.

2,248,052
PROJECTION APPARATUS
Samuel S. Auchincloss, Darien, Conn., and Clarence A. Woodruff, Westfield, N. J., assignors to New York Quotation Company, New York, N. Y., a corporation of New York
Application June 20, 1939, Serial No. 280,050
4 Claims. (Cl. 88—24)

1. In a device for projecting indicia printed on a tape by a stock quotation ticker, the combination of a cabinet, a projector in said cabinet comprising a housing for a source of light, a lens and a support for said tape interposed between said housing and said lens, a housing having a fabric screen therein supported on said cabinet by hollow members communicating with the interior of said cabinet and means for cooling the source of light and maintaining said screen dry comprising a labyrinth communicating with said housing for said light source and said hollow members and means for drawing air from the exterior of the cabinet through said labyrinth to sep-



arate dust from the air, through said housing for said light source to cool the latter and directing the warmed air through the hollow members into the housing for said screen to maintain said screen dry and taut.

2,248,053
GOLF PRACTICE DEVICE
Lovette M. Bales, Long Beach, Calif.
Application October 7, 1940, Serial No. 359,982
4 Claims. (Cl. 273—35)



1. In a golf instruction field, the combination of: a plurality of tee stands; a playing field extending from said tee stands; elevated spaced transverse barriers on said playing field, the elevation of the tops of at least some of said transverse barriers progressively increasing with distance of barriers from the tee stands; a fairway defined on said playing field by a pair of spaced markers extending longitudinally of said field; a rough on either side of said fairway, each rough being defined by a marker approximately parallel to the adjacent fairway marker and spaced therefrom; light sources adjacent said transverse barriers on sides removed from the tee stands, the number and size of light sources adjacent barriers further removed from the tee stands being greater than the number and size of light sources adjacent barriers closer to the tee stands, said light sources being directed obliquely upward and away from said tee stands to produce progressively increasing illumination of an object over the playing field with increasing distance from the tee stands, whereby power and accuracy of the balls played from the tee stands may be readily evaluated.

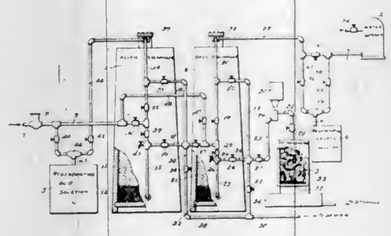
2,248,054
SCREW DRIVER
Joseph Becker, Grantwood, N. J.
Application June 7, 1939, Serial No. 277,801
3 Claims. (Cl. 145—52)

1. A screw driver comprising a shank and handle, the shank being provided with a claw at one end to receive the head of a screw, said claw being immovable with respect to the shank, a spindle longitudinally movable in the shank and having an outer end adapted to engage the head of a screw seated on said claw, means for causing said outer end of the spindle to hold a screw firmly on said claw after the outer end



of the spindle engages the head thereof, said spindle having a longitudinal bore in its outer end, a driver having a blade resiliently biased and longitudinally movable in said bore, and means for maintaining said blade non-rotatably in said bore after the outer end of the spindle engages the head of a screw seated on said claw.

2,248,055
APPARATUS AND METHOD FOR CARRYING OUT CHEMICAL REACTIONS
Paul G. Bird, Western Springs, Ill.
Application December 1, 1937, Serial No. 177,419
8 Claims. (Cl. 210—24)



1. In the process of removing dissolved solids from water by passing raw water successively through an acidic exchanger to remove the positive ions of dissolved salts therefrom, and through a basic exchanger to remove the negative ions therefrom, the method of regenerating said exchangers when the ion-removal capacity thereof falls below a predetermined value, which comprises flushing out the acid exchanger with acid and then with raw water; and flushing out the basic exchanger with aqueous alkali, then with soft water, and lastly with the normal effluent from the acidic exchanger.

2,248,056
FILM PROCESSING SYSTEM
Jesse M. Blaney, Springdale, Conn., assignor, by mesne assignments, to the Government of the United States of America, as represented by the Secretary of War
Application May 19, 1939, Serial No. 274,517
3 Claims. (Cl. 95—94)

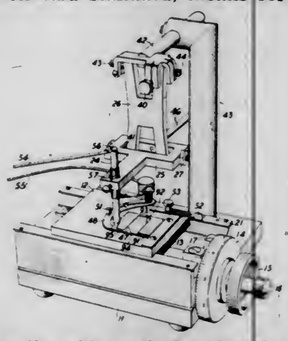


1. In a film processing apparatus for long lengths of film, film driving means for moving the film in a prescribed path continuously through a film processing solution with the coated surface of the film carrying the image exposed, and means for substantially reducing the directional effect incident to the movement of the film in the solution and minimizing frictional drag of the solution on said moving film comprising a continuous series of jet orifices arranged in sequence along the film, all of said orifices having their axes inclined toward the film and in the direction of the film travel at an angle of the order of 10° to 45°, and means for forcing liquid through said orifices at a linear velocity greater than that of the film and forming a series of similarly directed jets adapted to create eddies and turbulences at the said exposed surface of the film in said solution and to cause these eddies and turbulences to move in a continuous sequence at said surface and in the direction in which the film is traveling thoroughly to wash and scrub said surface and remove and diffuse into the solution the chemical tending to migrate and cause directional effects within said coating, said eddies and turbulences moving solely in the direction of the film and at substantially the same speed thereof to minimize frictional drag of the solution on the film.

2,248,057
ELECTRICAL CUTTING DEVICE
Walter L. Bond, Forest Hills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 25, 1939, Serial No. 252,787
2 Claims. (Cl. 219—29)

1. A device for electrically removing predetermined portions of electrically conductive material from an article coated therewith, comprising a base, an article supporting member movable laterally in a fixed path on said base, a conductive stylus, a straight line link mechanism for supporting said stylus above said article supporting member whereby said stylus is also movable laterally in a fixed path, the path of movement of said stylus being at right angles to the path of movement of said article supporting member, said straight line link mechanism including an

H-shaped member and a T-shaped member, a standard supported on said base, means for rotatably supporting one end of said H-shaped member on said standard, means for rotatably



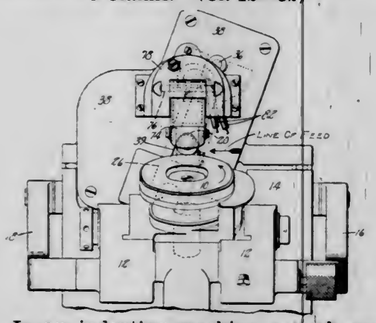
supporting the wider end of said T-shaped member on the other end of said H-shaped member, and means for mounting said stylus on the narrower end of said T-shaped member.

2,248,058

INDENTING MACHINE

Irving E. Booth, Rochester, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 5, 1939, Serial No. 277,430
9 Claims. (Cl. 12—32)



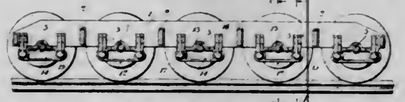
1. In an indenting machine, a work support, an indenting tool, and means for reciprocating the indenting tool toward and from the work support in a path extending at an oblique angle to the direction of the feed of a work piece on the support.

2,248,059

TRUCK MOUNTING FOR PNEUMATIC TIRED RAILWAY CARS

Pierre Marcel Bourdon, Paris, France, assignor to Michelin et Cie., Clermont-Ferrand, France, a corporation of France

Application March 18, 1939, Serial No. 262,617
In France April 15, 1938
1 Claim. (Cl. 105—157)



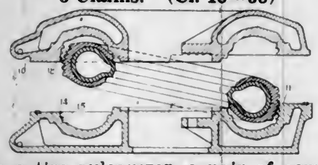
In a truck for pneumatic-tired vehicles, having a rigid truck frame and at least three wheel receiving axles associated with said frame, in combination with the truck frame, means for relieving a wheel having a deflated tire thereon of its proportionate share of the weight of the truck and vehicle comprising an elongated rigid link disposed adjacent each end of each axle having a substantially centrally located aperture for receiving an axle and apertures adjacent each end thereof parallel to said centrally located aperture, rubber rings fixed in the apertures adjacent the ends of said links and lugs fixed to said truck frame disposed in and fixed to said rings.

2,248,060

TIRE VULCANIZING PRESS

James W. Brundage, Akron, Ohio, assignor to The Summit Mold & Machine Company, Akron, Ohio, a corporation of Ohio

Application July 1, 1938, Serial No. 216,900
3 Claims. (Cl. 18—38)



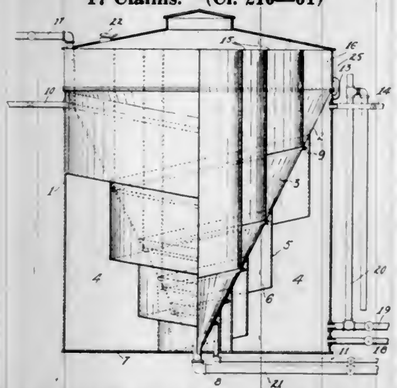
1. In a tire vulcanizer, a pair of complementary mold sections which when closed upon each other form a tire curing chamber, said mold sections so formed that substantial portions of the circumferential extent of the parting at the outer edge of the curing chamber respectively lie on opposite sides of the equatorial plane of the curing chamber.

2,248,061

LIQUID TREATING APPARATUS

Donald D. Burch, Tulsa County, Okla.

Application May 16, 1938, Serial No. 208,211
17 Claims. (Cl. 210—61)



1. An apparatus of the character described, comprising, a tank, a conical partition dividing said tank into upper and lower compartments, means in said lower compartment, providing an inverted trough ascending spirally along said partition, heating means extending along said trough, means in said upper compartment for guiding liquid in a circuitous path along said partition, means providing a passage from said last means to the lower portion of said trough, and outlet means communicating with said trough.

2,248,062

METHOD OF TREATING ELECTROLYTIC COATINGS ON MAGNESIUM AND ITS ALLOYS

Robert W. Buzzard, Kensington, Md.

No Drawing. Original application June 29, 1937, Serial No. 150,932. Divided and this application April 26, 1938, Serial No. 204,387
6 Claims. (Cl. 204—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of producing corrosion resistant coatings on magnesium and magnesium alloys in which magnesium predominates comprising forming on the metal an anodic coating produced by reaction with magnesium and subjecting said coating to a non-electrolytic treatment in an aqueous solution containing a water soluble trivalent chromium salt and a water soluble compound selected from group consisting of chromate and dichromate.

2,248,063

METHOD OF TREATING ELECTROLYTIC COATINGS ON MAGNESIUM AND ITS ALLOYS

Robert W. Buzzard, Kensington, Md.

No Drawing. Original application June 29, 1937, Serial No. 150,932. Divided and this application April 26, 1938, Serial No. 204,388
4 Claims. (Cl. 204—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of producing corrosion resistant coatings on magnesium and magnesium alloys in which magnesium predominates comprising forming on the metal an anodic coating produced by reaction with magnesium and subjecting said coating to a non-electrolytic treatment in an aqueous solution containing a water soluble borate and a water soluble compound selected from group consisting of chromate and dichromate.

2,248,064

COATING, PARTICULARLY FOR MANUFACTURE OF ABRASIVES

Richard Paul Carlton and Theodore Joseph Miller, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application June 1, 1933, Serial No. 673,886
Renewed March 31, 1938
19 Claims. (Cl. 51—195)



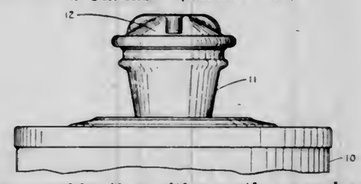
1. An abrasive article comprising a plurality of convolute laminations of abrasive coated material having the edges of said laminations exposed to form a substantially continuous abrading surface, the individual particles of abrasive material being held between the laminations and oriented with their longitudinal axes substantially perpendicular to said abrading surface formed by edges of said laminations and abrasive particles held thereby.

2,248,065

CLOSURE

Frank C. Chase, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

Application March 12, 1938, Serial No. 195,500
2 Claims. (Cl. 220—27)



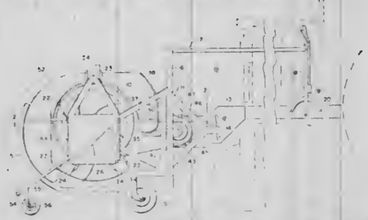
1. In combination with an ether can having a neck and an opening therein, a closure for said opening fixedly secured on the inner periphery of the wall defining the opening, said closure comprising a soft-metal cap shaped to provide a frustoconical portion extending upwardly from the rim of said opening and the sides of said cap having at least two radially outwardly projecting opposed ridges with parallel vertical side walls, the said ridges functioning to reinforce the cap and provide readily puncturable walls for dispensing the contents.

2,248,066

STRIPPING HARVESTER

Harry Thomas Cory, Washington, D. C.

Original application November 21, 1939, Serial No. 305,520. Divided and this application April 9, 1940, Serial No. 328,678
2 Claims. (Cl. 56—219)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device of the character described having a horizontal rotatable cylinder and grain stripping teeth projecting through said cylinder, means for raising lodged grain stalks, comprising a bar hinged to the frame of the device, normally disposed in front of the cylinder, and castors fixed to said bar for supporting it close to the ground.

2,248,067

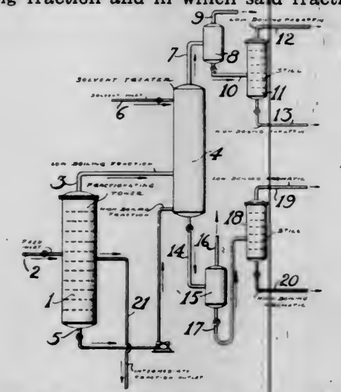
SOLVENT EXTRACTION PROCESS

Garland H. B. Davis, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application July 6, 1938, Serial No. 217,662
7 Claims. (Cl. 196—13)

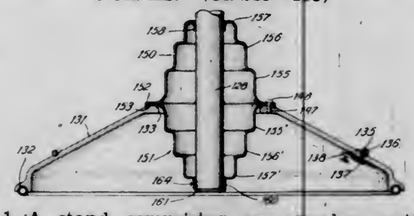
1. Process of producing from a particular mineral oil a more highly aromatic fraction and a more highly paraffinic fraction, comprising separating said mineral feed oil into a low boiling fraction and into a high boiling fraction without effecting substantial segregation of the relatively more aromatic constituents from the relatively more paraffinic constituents, directly introducing said fractions into different portions of a solvent treating tower in a manner that said low boiling

fraction is introduced into said tower at a point intermediate the point of introduction of the solvent and the point of introduction of said high boiling fraction and in which said fractions are



extracted with a selective solvent, removing a raffinate and extract phase, separating the solvent from the respective phases to produce said highly more aromatic and more paraffinic fraction.

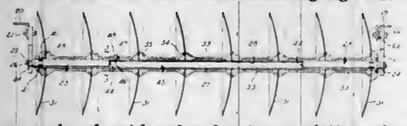
2,248,068
STAND FOR ELECTRIC FANS
Robert W. Devore, McHenry, and Ben H. Young, Chicago, Ill.
Application October 6, 1939, Serial No. 298,174
2 Claims. (Cl. 248—158)



1. A stand comprising an annular casting adapted to rest on a substantially flat surface and having a broad base tapering to a small top, a pressed sheet metal assembly carried by said casting at the center thereof, said assembly consisting of two dished members disposed in opposed relation to each other, said members tapering from a wide base to a narrow end with the wide bases together at the casting top and extending above and into said casting, said dished members being identical except for the ends, the end outside of the casting having its edge curled in to define a circular pipe receiving portion, the end within the casting having a pipe receiving portion of equal diameter but having a pipe stop at the bottom thereof, and a pipe section disposed in said receiving portions and carried in a vertical position thereby, said receiving portions being separated by a distance great in comparison to the pipe diameter.

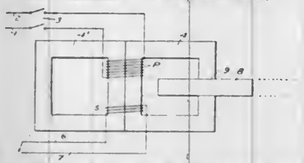
2,248,069
IMPLEMENT CONSTRUCTION
Otto W. Domries, Anaheim, Calif., assignor to Howard B. Rapp and Sally Rapp, doing business as Towner Manufacturing Co., Santa Ana, Calif.
Application June 12, 1940, Serial No. 340,106
20 Claims. (Cl. 97—220)

1. In a disc harrow, the combination of: frame members; stub axles so connected to said members as to be axially shiftable and nonrotatable relative thereto; a tubular member rotatably mounted upon said axles, the interior wall of said tubular member cooperating with said axles in providing an annular chamber intermediate the ends of each of said axles, discs secured to said tubular member; pins removably connected to said tubular member and bearing against the



inner ends of said axles for transmitting thrust from said discs through said axles to said frame members; packing means in each of said chambers engaging said wall, said means defining a reservoir within said tubular member and sealing such reservoir against the escape of lubricant therefrom and the entrance of abrasive matter thereto; and a closable opening in said tubular member for supplying lubricant to the reservoir.

2,248,070
WELDING TRANSFORMER
Herman J. Fanger, Oakland, Calif., assignor to George G. Glenn, Oakland, Calif.
Application July 5, 1938, Serial No. 217,364
14 Claims. (Cl. 171—119)



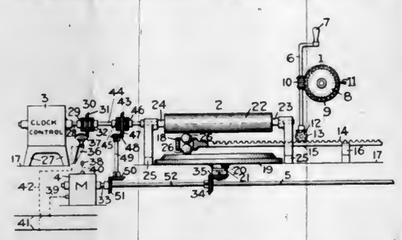
12. In a welding transformer as set out in claim 1, a separate winding adjacent said movable core section in series with one of the transformer windings and connected into the circuit through a reversing switch.

2,248,071
PLASTIC POLYMER COMPOSITIONS
Harold W. Fisher, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 22, 1937, Serial No. 149,698
3 Claims. (Cl. 260—41)

1. A shaped substantially rigid article of manufacture composed of isobutylene polymers having an average molecular weight above about 15,000, and a substantial amount of carbon black sufficient to retard softening of the polymer when exposed to light and to make the article retain its shape.

2,248,072
MOTOR CONTROL
Macon Fry, Westwood, N. J., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application June 23, 1939, Serial No. 280,682
2 Claims. (Cl. 172—293)

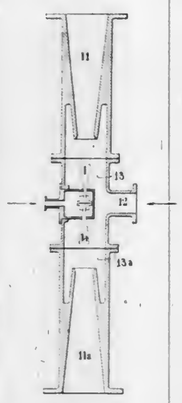
1. Apparatus for controlling the operation of a motor to effect an output movement the speed of which is proportional to the reciprocal of an input quantity including a fixed speed device, a variable speed mechanism for producing a product of the movement of the motor and the quantity including a driving member drivably connected to the motor, a driven member, a transmission member adjustable to vary the ratio of transmission operatively connecting the driving and driven members and means for adjusting the transmission member proportional to the



input quantity, a differential connected between the driven member and the motor the output of which is the algebraic sum of the movements of the driven member and the motor, a second differential connected between the output of the first differential and the speed device, and means responsive to the second differential for regulating the speed of the motor.

2,248,073
PULSATOR FOR FLUIDS
André Martial Gage, Saint-Ouen, France
Application January 13, 1938, Serial No. 184,781
In France October 20, 1937
6 Claims. (Cl. 116—142)

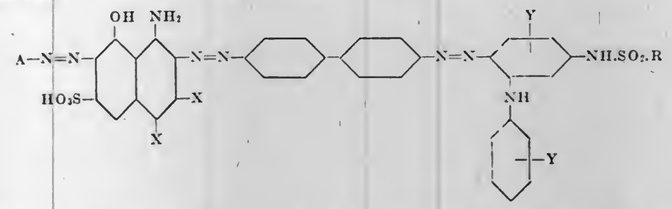
1. A pulsating apparatus for fluid, comprising in combination, a chamber having an inlet orifice connected to a source of fluid under pressure,



an outlet nozzle extending outwardly from the interior of said chamber through the wall of the latter, a valve seat secured to said chamber, a light and rigid floating valve so located and arranged with respect to the outlet nozzle and the valve seat as to be effective to bear alternately upon the inner orifice of said outlet nozzle and upon said valve seat by means of a limited displacement of said rigid valve without the latter having to distort on one side or on the other, or to resiliently distort any solid member, a mixing chamber surrounding the outlet nozzle, a divergent tube co-axial with the outlet nozzle and having an inlet orifice spaced a certain distance from the outlet orifice of said outlet nozzle, and a suction tube opening into said mixing chamber, said rigid valve being conditioned and effective to cooperate with walls of said chamber so as to divide the latter into two capacities which are thus substantially separated the one from the other, said inlet orifice connected to the source of fluid pressure opening into the same one of said two capacities into which the inner orifice of the outlet nozzle also opens.

2,248,074
TRISAZO DYESTUFFS
Eugen Glietenberg, Leverkusen-I. G.-Werk, and Josef Hilger and Willi Hartmann, Leverkusen-Wiesdorf, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application April 22, 1939, Serial No. 269,410. In Germany May 2, 1938
4 Claims. (Cl. 260—171)

1. As new products trisazodyestuffs of the general formula

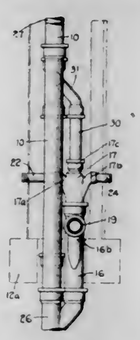


wherein A—N=N— stands for the radical of a monodiazo compound of the benzene series, R stands for a member selected from the group consisting of alkyl, aryl and aralkyl, one X stands for hydrogen, the other X stands for —SO_3H, and Y stands for one of the group consisting of hydrogen, halogen and alkyl.

2,248,075
MULTIPLE COMBINED STACK AND INDIVIDUAL WASTE AND GROUP VENTING ASSEMBLY
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application October 27, 1939, Serial No. 301,577
2 Claims. (Cl. 4—211)

1. In a multiple story building, the combination of a soil pipe stack having its upper terminus in communication with the outer atmosphere, a vent stack connected at its upper terminus with the soil pipe stack and extending through a plurality of floor levels, waste and group vent assemblies for said floor levels disposed above the respective floor levels, each waste and venting assembly comprising a fitting extending through its floor level and communicating through its

lower terminus with said soil pipe stack and through its upper terminus with said vent stack, said fitting having laterally extending channels the termini of which extend above the floor level, a fitting disposed above said first-named fitting and communicating with said first-named fitting, said second-named fitting communicating with said vent stack, said second-named fitting having laterally extending channels, and waste branches each disposed above the level of its floor connected to the respective termini of said laterally extending channels for the discharge of plumbing fixtures on the respective floor levels, said soil pipe stack and said vent stack being disposed within the walls of the building and in spaced relation thereto.

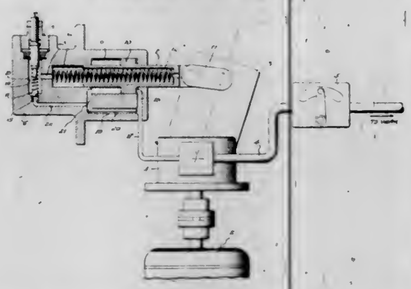


2,248,076

CONSTANT PRESSURE REGULATOR

Ferris T. Harrington, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan

Application November 5, 1937, Serial No. 173,004
5 Claims. (Cl. 103—38)



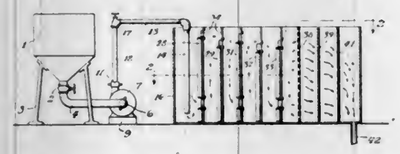
1. A pressure actuated volume control unit adapted to be used with a variable delivery pump comprising a housing, a slidable piston in said housing having one side constantly exposed to pump pressure, a relatively light spring located in an axial recess in said piston and bearing at one end on said housing and at the other end on said piston, and a pressure regulator chamber formed in said housing on the other side of said piston, said chamber being open to said pump pressure through a restricted passageway, a spring pressed relief valve located between said chamber and a tank connection, and an operative connection between said piston and said pump comprising a rod-like axial extension on said piston extending through one wall of said housing whereby movement of said piston will control the delivery of said pump.

2,248,077

EGG FILTERING AND TREATING APPARATUS

Benjamin R. Harris, Chicago, Ill.

Original application May 9, 1938, Serial No. 206,729, now Patent No. 2,151,760, dated March 28, 1939. Divided and this application March 20, 1939, Serial No. 262,840
7 Claims. (Cl. 210—150)



1. A system for treating liquid egg material to provide a thin, homogeneous liquid egg material which includes, in combination, a supply tank for holding liquid egg material, means for thinning out said egg material, a conduit connecting said supply tank to the inlet opening of said means and so constructed and arranged as to provide a gravity feed thereto, said means comprising a generally cylindrical casing, an impeller arm mounted at substantially right angles to the axis of the shaft upon which it is fixed for rapid rotation, there being a slight clearance between the interior surface of said casing and the periphery of said impeller arm, a cascading and filtering tank, a conduit connected to the outlet opening of said aforementioned means and leading into the lower part of said cascading and fitering tank, a series of baffles plates in said cascading and filtering tank, said plates being spaced from each other and arranged to cause the liquid egg material to cascade whereby chalazae float to the surface and may be skimmed off and egg shells and the like settle to the bottom of said tank, and at least one removable filter screen mounted in said cascade and filtering tank following said baffle plates whereby chalazae and shells which are not eliminated in the cascading operation are effectively removed by said filter screen.

2,248,078

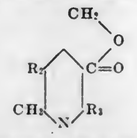
PROCESS OF PREPARING VITAMIN B_6

Stanton A. Harris, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application December 27, 1938, Serial No. 247,948
14 Claims. (Cl. 260—295)

10. The process of preparing vitamin B_6 which comprises reacting ethoxyacetylacetone and cyanoacetamide to form 3-cyano-4-ethoxymethyl-6-methylpyridone-2, hydrolyzing the latter compound to form the lactone of 3-carboxy-4-hydroxy-methyl-6-methylpyridone-2, treating the latter compound with nitric acid to form the lactone of 3-carboxy-4-hydroxymethyl-5-nitro-6-methylpyridone-2, chlorinating the latter compound to form the lactone of 2-chloro-3-carboxy-4-hydroxymethyl-5-nitro-6-methylpyridine, reducing the latter compound to form the lactone of 3-carboxy-4-hydroxymethyl-5-amino-6-methylpyridine, diazotizing the latter compound to form the lactone of 3-carboxy-4-hydroxymethyl-5-hydroxy-6-methylpyridine, and reducing the latter compound to form vitamin B_6.

14. Compounds of the general formula:



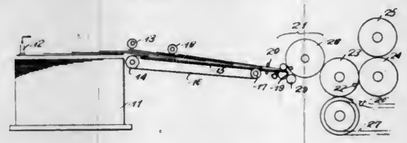
wherein R_2 is a member selected from the group consisting of nitro, amino, and hydroxy; and R_3 is a member selected from the group consisting of chlorine and hydrogen.

2,248,079

SHEET FEEDING MECHANISM

Charles W. Harrold, University Heights, and Howard A. Pritchard, Hiram, Ohio, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware

Application September 15, 1939, Serial No. 295,040
16 Claims. (Cl. 271—53)



1. In a printing press or like machine, a continuously rotating sheet handling cylinder, a rotary sheet transfer device arranged to take the leading edge of a sheet presented thereto, advance said sheet and transfer the same to said cylinder, means for presenting sheets successively to said transfer device, and means engaging the surface of an intermediate portion of a sheet taken by said transfer device and driving said portion forward at a greater speed than the speed of said leading edge for advancing the rear edge of the sheet at greater speed than the leading edge thereof, said last mentioned means comprising two rotary members, one on each side of the path of the sheets, arranged to grip the sheet between them, and means for driving at least one of said members with peripheral speed greater than the speed of the forward edge of said sheet.

2,248,080

TRAILER

Austin H. Hathaway, Pasadena, Calif., assignor to Lyon Van & Storage Co., Los Angeles, Calif., a corporation of California

Application September 30, 1939, Serial No. 297,285
3 Claims. (Cl. 280—34)



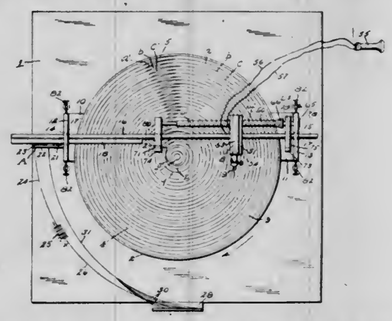
1. A trailer adapted for use in transporting aircraft, which trailer includes a frame, stub axle and spring assemblies at the rear opposite sides of the frame for supporting the frame, means for detachably connecting said stub axles together, means for extending the stub axle spring and wheel assemblies laterally of the frame including the replacement of said connecting means with connecting means of a greater length, and means whereby wheel supporting cradles may be attached outside of said wheels when extended.

2,248,081

ELECTROMECHANICAL PHONOGRAPHIC ANNOUNCER

Dean A. Herman, Fort Sill, Okla.

Application April 25, 1940, Serial No. 331,592
9 Claims. (Cl. 179—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



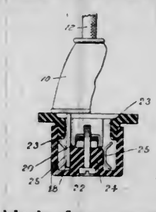
1. In a phonograph announcer having a movable record bearing a plurality of recorded announcement grooves, a reproducer transmitter including a needle supported to move across the record toward the center thereof, said needle adapted to travel in one of each of said grooves, means including an electromagnetic mechanism for actuating said reproducer transmitter to remove said needle from the record after having traveled in one of said grooves and to move said reproducer transmitter across the record a distance between said grooves, means for actuating said reproducer transmitter to place said needle in engagement with a groove adjacent to the traveled groove and means for returning said reproducer transmitter to its starting position after said needle has completed its travel in said grooves.

2,248,082

CONTACT PLUG ASSEMBLY

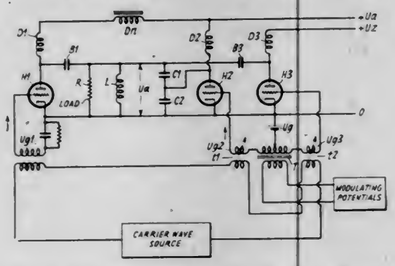
William P. Herman, Providence, R. I.

Application February 2, 1938, Serial No. 188,262
2 Claims. (Cl. 173—361)



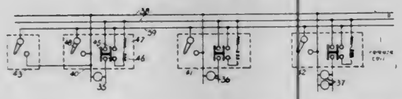
2. A contact blade for a contact plug, comprising a flat rigid blade of generally rectangular form, said blade having a centrally positioned end projection extending from one face thereof, a pair of aligned spaced projections spaced from said end projection and extending from the opposite face thereof, and an additional contrally positioned projection spaced beyond said aligned projections and extending from the same face as said first named centrally positioned projection.

2,248,083
MODULATION SYSTEM
Rudolf Hofer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 14, 1939, Serial No. 279,091
In Germany June 14, 1938
4 Claims. (Cl. 179—171.5)



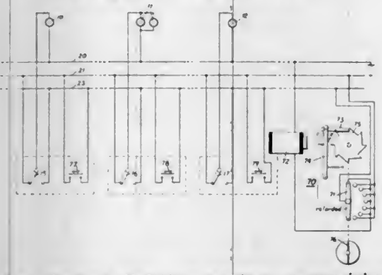
1. In a modulation system, a high-frequency amplifier tube having input electrodes and output electrodes, a load circuit coupled to said output electrodes, a source of wave energy of carrier wave frequency coupled to said input electrodes to impress wave energy on said input electrodes, a pair of tubes each having input and output electrodes, means coupling the output electrodes of said tubes to said load circuit, means coupling the input electrodes of said pair of tubes to said source of wave energy for impressing wave energy from said source on the said input electrodes of said pair of tubes, the phase of the wave energy on the input electrodes of one of said pair of tubes being substantially the same as the phase of the wave energy on the input electrodes of said first tube, means for modulating the impedances of said pair of tubes in phase opposition whereby one of said tubes supplies power to said load on positive halves of the modulation cycle and the other of said tubes draws power from said load on the negative halves of the modulation cycle and means for supplying said first tube, substantially constant output direct current.

2,248,084
LIGHTING CONTROL SYSTEM
Philo Holcomb, Jr., Great Neck, N. Y.
Application June 28, 1938, Serial No. 216,202
6 Claims. (Cl. 176—8)



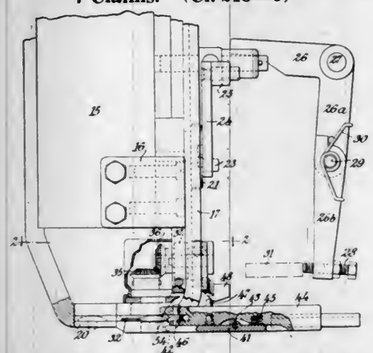
1. An electric lighting system comprising lamps or sets of lamps for lighting different areas, a supply circuit, switches for individually connecting said lamps or sets of lamps to said supply circuit, an auxiliary supply circuit to which certain of said lamps or sets of lamps are connected by their associated switches when the same are disconnected from said first-mentioned supply circuit, and electrically controlled means including manually operable master control switches and an electro-responsive switch operatively associated therewith, and with said auxiliary supply circuit to turn "on" and "off" as a group the lamps which are connected at any moment to said auxiliary supply circuit by said first-mentioned switches.

2,248,085
LIGHTING CONTROL SYSTEM
Philo Holcomb, Jr., Great Neck, N. Y.
Continuation of application Serial No. 216,202, June 28, 1938. This application April 1, 1939, Serial No. 265,480
15 Claims. (Cl. 176—10)



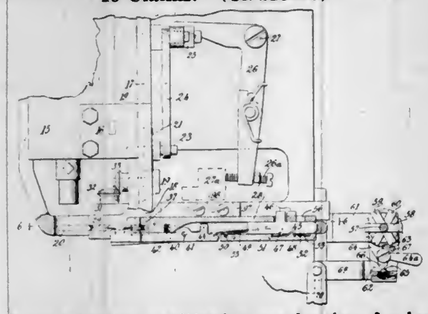
2. An electric lighting system comprising a plurality of lamps, switch means for individually controlling said lamps and means including a plurality of other group control switches at separated points for turning "on" and "off" all of said lamps as a group, said last mentioned means being arranged to control the lighting and extinguishing of the lamps of the group which are turned "off" by their individual switch means at any of said points irrespective of the adjustment of any of the other group control switches.

2,248,086
BUTTON-POSITIONING MECHANISM
Otto John Huelster, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 9, 1939, Serial No. 272,562
7 Claims. (Cl. 218—6)



1. In a button orienting and transfer mechanism for buttons or the like having engagement means thereon, in combination, an orienting station adapted to periodically receive and support a button for rotating about its axis, means at said orienting station comprising a plurality of rotatable disks so positioned as to peripherally confine and frictionally engage the button and rotate it about its axis, at least one of said rotatable disks being positively driven and another of said disks being an idler which is biased by spring means into button-engaging position, locator means for engaging the engagement means on the button during rotation thereof to stop the rotation of the button and hold it in such oriented position at said station, and means for transferring the button in oriented position substantially in the plane of the idler disc from its orienting station to a button-attaching station, the spring biased idler disk being adapted to yield within the plane thereof to permit the button to be moved past said orienting station when acted upon by the transfer means.

2,248,087
SELECTIVE ORIENTING BUTTON POSITIONING MACHINE
Otto John Huelster, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 17, 1940, Serial No. 335,715
19 Claims. (Cl. 218—6)



1. In a button positioning mechanism for buttons or the like having engagement means thereon, in combination, means adapted to periodically receive and support a button for rotation about its axis, means for rotating the button about its axis while in said receiving means, locating means adapted to engage the engagement means on the button during rotation thereof to stop the rotation of the button in any one of a number of predetermined oriented positions, and means for selectively controlling the locating means to determine the orienting of the button.

2,248,088
UNIVERSAL COLD ROLL FORMING MACHINE
Robert C. P. Kane, Syracuse, N. Y.
Application June 6, 1940, Serial No. 339,111
10 Claims. (Cl. 153—54)



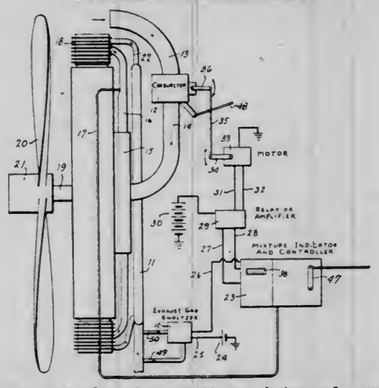
1. In a machine of the class described having a plurality of forming units adapted to cooperate to produce a tube or the like from a flat strip of metal, in combination, a base member, means connecting the forming units with the base member for maintaining said units in cooperative predetermined spaced relation to each other whereby they successively perform their respective functions, said means including a platform connected with one of the forming units and movable with respect to the base, adjustable connecting means including a mechanism having vertically movable supporting members for moving said platform and said forming unit toward and away from the base, and separate supporting means including rock members connected with the forming unit and functioning independently of said vertically movable members for swinging said forming unit about an axis extending substantially coincidental with the longitudinal center of the work being formed.

2,248,089
DERIVATIVES OF POLYMERIZED ALKYLOLAMINES
Morris B. Katzman and Albert K. Epstein, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 17, 1937, Serial No. 143,133
13 Claims. (Cl. 260—404)

1. The process which comprises initially heating an alkylolamine at elevated temperatures in the presence of an alkaline substance acting as a catalyst whereby a substantial content of polymers is produced by the interaction of at least two mols of the alkylolamine, and then reacting the resulting polymers with a member of the group consisting of acids and alcohols containing a chain of at least six carbon atoms and derivatives thereof capable of producing esters and ethers to produce esters and ethers of said polymerized alkylolamines.

13. Reaction products of citric acid with re-esterification reaction products of polymerized alkylolamines containing at least two nitrogen atoms and a member selected from the group consisting of triglyceride oils and fats, said reaction products having the property of enhancing the formation of oil-in-water emulsions.

2,248,090
SELF-CONTROLLED CARBURETOR
Milton J. Kittler, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application October 30, 1939, Serial No. 301,942
5 Claims. (Cl. 123—119)



1. The combination with an internal combustion engine having air inlet passages and a fluid fuel supply, of means responsive to the chemical composition of the exhaust gas and to the density of the air at the inlet passage for automatically regulating the ratio between the rate at which the fuel is fed to the engine and the rate at which air is supplied to the engine for the combustion of the gasoline.

2,248,091
PROCESS OF PRODUCING FAST DYEINGS AND THE DYED FIBER OBTAINED THEREBY
Werner Kirst, Konigsten in Taunus, and Wolfgang Alt and Hans Krzikalla, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application September 24, 1938, Serial No. 231,594. In Germany September 24, 1937
9 Claims. (Cl. 8—21)

1. The process which comprises applying to the

fiber an alkali metal salt of a water-soluble azo-dyestuff containing in the molecule an amino-group capable of being diazotized and a hydroxyl group rendering coupling possible, then diazotizing the dyestuff on the fiber and causing it to combine with itself by an alkaline treatment.

2,248,092

METHOD FOR TREATING ELECTROPLATING BATHS

Joachim Korpiun, Berlin-Grunewald, Germany, assignor to Sherka Chemical Co. Inc., Bloomfield, N. J., a corporation of New York

No Drawing. Application October 23, 1935, Serial No. 46,342. In Germany October 26, 1934
19 Claims. (Cl. 204—45)

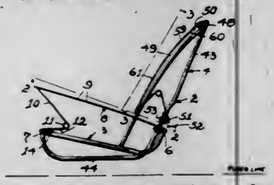
1. A method for regenerating used electroplating baths, comprising bringing said baths into contact with inert solid adsorption materials of large specific surface capable of adsorbing gases subsequent to electrolysis, removing said material from said bath, and thereafter electrolyzing said bath.

2,248,093

SPRING SEAT STRUCTURE FOR AUTOMOBILES

Jacob Kronheim, Cleveland Heights, and William H. Neely, Cleveland, Ohio, assignors, by direct and mesne assignments, to John C. Lincoln, Scottsdale, Ariz.

Application June 24, 1938, Serial No. 215,526
32 Claims. (Cl. 155—179)



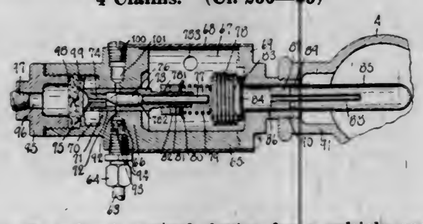
1. In a seat structure a tubular frame having pairs of perforations in its wall, a plurality of elongated wire springs bridging said frame, coils at the opposite ends of each of said springs arranged substantially rectangular to the axis thereof and hook-shaped means on the ends of said coils rearwardly extended therefrom and spaced a definite distance from said coils, each hook-shaped means having its free end portion protruded through a pair of said perforations and each coil yieldingly holding the free end of its hook-shaped means from dislodging from said pair of perforations.

2,248,094

SHUTTER MECHANISM AND THERMOSTATIC CONTROL THEREFOR

Walter A. Kysor, Cadillac, Mich.

Application February 8, 1937, Serial No. 124,674
4 Claims. (Cl. 236—35)



1. In a heat control device for a vehicle cooling system, including a plurality of shutters on the radiator of the vehicle, a cylinder and fluid actuated plunger therein for closing said shutters, means for supplying fluid under pressure to said cylinder and for controlling the supply in accordance with heat requirements of the vehicle engine, comprising a fluid feed line, a control device inserted in said line and comprising a valve chamber an integral double acting valve movable in one direction in the chamber to position to shut off fluid pressure from the cylinder and exhaust fluid therefrom directly to atmospheric pressure and movable in another direction to position to close the exhaust and open the fluid supply, a bellows, a stem transmitting force between said valve and bellows, a bulb adapted for insertion in a section of the engine cooling system and containing a thermally responsive liquid, an apertured plate between said bellows and bulb to prevent entrance of air entrained in said bulb with said liquid into said bellows but permit the liquid to enter the bellows, and means for regulating said bellows.

2. In an engine heat control device, a plurality of shutters, a member operatively connected thereto, means for actuating the shutters, comprising a cylinder, and a fluid actuated plunger therein, and means for operatively connecting said means and said member and comprising a rocker lever, a hollow post mounted on said cylinder, said lever being fulcrumed on said post with the arms thereof pivotally connected to said member and said plunger respectively, said lever comprising parallel members mounted in spaced relation and having longitudinal lubricant passages therein communicating with the fulcrum and pivots, said medial pivot communicating with the interior of the post, and fibrous material in said interior extending from the cylinder to the lever fulcrum and adapted to be permeated by fluid lubricant whereby the lever is lubricated by capillarity.

2,248,095

ELECTROMAGNETIC SIGNAL ACTUATOR

Jacob Lande, Los Angeles, Calif.

Application April 11, 1938, Serial No. 201,314
1 Claim. (Cl. 175—337)



In combination, a plurality of solenoids of different lengths, a tube extending through the coils of all of said solenoids in which tube the cores of said solenoids are slidable, a rod extending through said tube and said cores which cores are slidable on said rod, abutments on said rod to be engaged by said cores, respectively, to move said rod, when said solenoids are respectively energized, said tube being provided with longitudinal slots, and pins on said solenoid cores respectively extending through said slots, respectively, for engaging the ends of said slots for limiting the movement of said cores respectively.

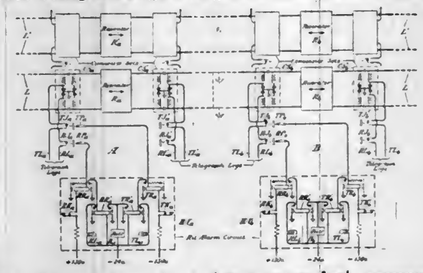
2,248,096

TESTING CIRCUIT

Leland Gifford Lane, Trinidad, Colo., assignor to American Telephone and Telegraph Company, a corporation of New York

Application June 15, 1940, Serial No. 340,797
8 Claims. (Cl. 179—175.3)

1. Telephone lines each including a plurality of repeaters connected by line sections, apparatus to observe faults at each repeater point, said apparatus including separate indicating devices adapted to be connected to each of a pair of line wires at the repeater point, said indicating devices being arranged to give a continuous indica-



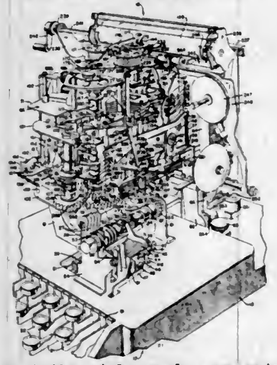
tion in response to a temporary but recurrent fault in the line section to which the apparatus is connected.

2,248,097

PRINTING TELEGRAPH APPARATUS

Edward S. Larson, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application May 19, 1938, Serial No. 208,761
8 Claims. (Cl. 197—53)



1. In a printing telegraph apparatus, a type wheel having movable type elements, a print hammer for actuating said type elements individually, a bell crank to which said print hammer is articulated, means for positively engaging and imparting motion in print hammer operating direction to said bell crank through a predetermined part of its operative stroke, and yieldable means interconnecting said motion imparting means and said bell crank for enabling said bell crank to overtravel said motion imparting means in print hammer operating direction and complete its operative stroke by inertia.

2,248,098

PROTECTION OF PIPES AND LIKE HOLLOW BODIES

Frederick Benjamin Cornelius, Stanton-by-Dale, and Patrick Pierce Butler Cormac, Blackheath, London, England, assignors to Rubber Cement Products Limited, London, England, a British company

No Drawing. Application June 4, 1940, Serial No. 338,742. In Great Britain March 29, 1939
8 Claims. (Cl. 91—68)

1. A method of producing a hollow body having a corrosion-resistant and wear-resistant inner surface comprising merging strata of material of varying richness in a hydraulic cement and in rubber, the stratum richest in said hydraulic cement being adjacent said outer shell and the stratum richest in said rubber being relatively remote from said outer shell and forming the inner corrosion-resistant and wear-resistant surface of said hollow body, which comprises rotating a hollow body at an inner peripheral speed of at least about 330 feet per minute, introducing a mobile, plastic, self-hardening composition containing an aqueous dispersion of rubber and a hydraulic cement of higher specific gravity than said rubber into the interior of said rotating hollow body, continuing to rotate said hollow body at an inner peripheral speed of at least about 330 feet per minute until said self-hardening composition is substantially evenly distributed over the inner surface of said rotating hollow body, increasing the speed of rotation to an inner peripheral speed of about 990 feet per minute, and rotating said hollow body at an inner peripheral speed of about 990 feet per minute until said self-hardening composition is consolidated and compacted and bonded to the inner surface of said hollow body.

2,248,099

PRODUCTION OF HYDROCARBONS FROM MIXTURES OF CARBON MONOXIDE AND HYDROGEN

Eduard Linckh and Fritz Winkler, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to William E. Currie, New York, N. Y.

Application May 29, 1937, Serial No. 145,580
In Germany July 1, 1936
3 Claims. (Cl. 260—449)

1. In the production of hydrocarbons containing more than one carbon atom in the molecule by conversion of carbon monoxide with hydrogen at a temperature between 150° C. and 500° C. and a pressure between 5 and 500 atmospheres, the steps of supplying to the reaction space a mixture of hydrogen, carbon monoxide and an accompanying gas containing essentially carbon dioxide, said gas mixture containing at least four parts by volume of carbon monoxide to each six parts of hydrogen and between 20% and 90% of the accompanying gas, and recycling at least part of the unconverted gas together with at least part of the said accompanying gas to the reaction space.

2,248,100

JEWEL MADE FROM GOLDEN COLORED ALLOYS

Otto Loebich, Pforzheim, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.

No Drawing. Application March 11, 1939, Serial No. 261,309. In Germany March 25, 1938
2 Claims. (Cl. 63—2)

1. A jewel made of a gold-colored alloy consisting of 33.3 parts of gold, 39.0 parts of copper, 18.5 parts of zinc, 8.2 parts of silver and 1.0 part of iron.

2,248,101

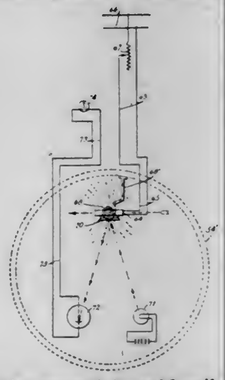
METHOD AND APPARATUS FOR INVESTIGATING SUBTERRANEAN STRATA

Ralph W. Lohman, South Pasadena, Calif., assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Original application June 24, 1935, Serial No. 28,074. Divided and this application June 13, 1938, Serial No. 213,349
3 Claims. (Cl. 175—182)

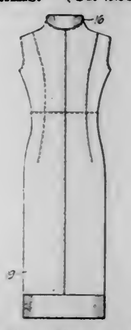
1. The method of investigating the magnetic flux-density of subterranean formations adjacent a bore hole which includes: lowering a conductive coil into said bore hole upon an axis

which is in substantially fixed predetermined relation to the plane of the earth's magnetic field; mechanically applying a substantially constant torque to said coil biasing the plane of the coil away from the plane of the earth's field; ap-



plying electric current to said coil so as to react against said mechanically applied torque; and measuring the current required to maintain the plane of said coil in predetermined relation with the plane of the earth's field during variations in the flux-density as the coil passes the different strata.

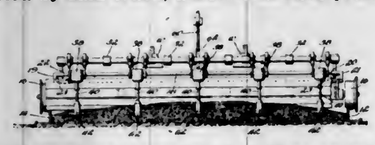
2,248,102
DRESS FORM AND METHOD OF MAKING SAME
Marie Lord, San Francisco, Calif.
Application January 8, 1940, Serial No. 312,972
3 Claims. (Cl. 223—68)



1. The method of producing an individual dress form consisting in; cutting out fabric pattern sections conforming to individual dress measurements, fitting said sections in assembled relation on the person while marking all necessary corrections on said sections, transferring the outlines of the corrected pattern sections to a sheet of flexible base material, cutting out said material on said outlines, and shaping and uniting same to produce a dress form, covering said form with a layer of padding material, and applying and snugly uniting the original fabric pattern sections over said padding material.

2,248,103
ROAD VIBRATOR
Arthur William Mall, Chicago, Ill.
Application April 6, 1938, Serial No. 200,442
5 Claims. (Cl. 94—48)

1. Apparatus of the class described capable of being supported upon a road building machine, including a pair of spaced parallel channel members mounted in a horizontal plane on said road building machine, a truck mounted for back and forth movement between said channel members, a plurality of rollers upon opposite sides of said truck riding in said channel members, a frame carried by said truck, a horizontal bar journalled



in said frame, a plurality of rigid arms extended from said horizontal bar, a horizontal shaft carried thereby, and a plurality of vibrators suspended from said horizontal shaft and pivotally supported thereby, said vibrators being adapted for horizontal adjustment to various positions relative to the road building machine, said adjustment being obtained from the back and forth movement of the truck.

2,248,104
WELDING ROD
Louis G. Marini, Jr., Pittsburgh, and David F. Helm, York, Pa., assignors to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 22, 1938, Serial No. 203,586
5 Claims. (Cl. 219—8)

1. A welding rod having a coating bonded with a binder containing a heat-hardened thermosetting resin.

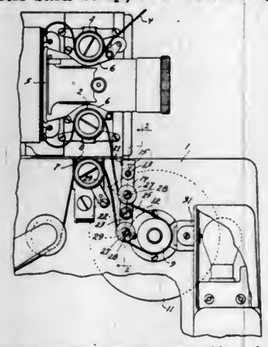
2,248,105
PLASTIC COMPOSITION
Orville V. McGrew, Chicago, Ill.
No Drawing. Application January 4, 1937, Serial No. 118,993
7 Claims. (Cl. 106—31)

1. The herein described composition, the main bulk of which is supplied by coarsely granular cork particles coated with a permanently flexible binder uniting the particles at their points of contact and leaving the natural interstices between the cork particles substantially open, the binder being such as to permit the cork particles to be compressed and expand freely.

2,248,106
DRIVING MECHANISM
Louis A. McNabb, Wilmette, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application February 5, 1940, Serial No. 317,346
9 Claims. (Cl. 271—2.3)

1. In a device of the character described. the combination with a rotatable drum, of constant feed means for feeding a strip over and rotating said drum and operative on the strip on both sides of said drum, and means operative to transmit tension from one to the other of the two stretches of the strip between said feed means and said drum comprising a connecting member-ber having tensioned operative relation at spaced points thereon with said strip on opposite sides of said drum, a mounting carrying said connecting member for pivotal movement on an axis intermediate said spaced points and in turn movably mounted for bodily movement of said connecting

member in a path extending through the common plane of said spaced points when operatively related with said strip, and means operative on

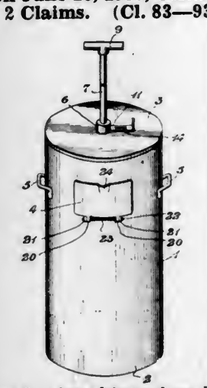


and yieldably urging said mounting in the direction of said path opposed by said tensioned operative relation.

2,248,107
POLYMERIZATION OF BUTADIENES
Kurt Meisenburg, Leverkusen - I. G. Werk, Ingofroh Dennstedt, Cologne-Buchforst, and Ewald Zaucker, Cologne-Mulheim - on - the-Rhine, Germany, assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
No Drawing. Application February 28, 1938, Serial No. 193,060. In Germany March 2, 1937
8 Claims. (Cl. 260—32)

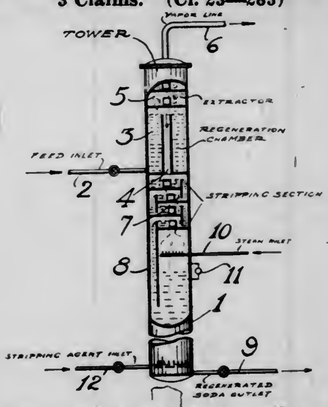
1. The process which comprises effecting the emulsion polymerization of butadiene 1.3 hydrocarbons in the presence of such organic sulfur-containing compounds as contain at least 2 sulfur atoms directly connected with each other and are soluble in the monomeric substances to be polymerized, said compounds being selected from the group consisting of dialkylxanthogendisulfides, di(benzoic acid ester)-tetrasulfides, tolyldisulfide and tolyltrisulfide.

2,248,108
BOTTLE BREAKING MACHINE
Joseph J. Mihalko, Scranton, Pa.
Application June 16, 1938, Serial No. 214,075
2 Claims. (Cl. 83—93)



1. A device for breaking glass bottles and the like, comprising a cylindrical shaped housing having an opening in its side wall in the vicinity of the top thereof, whereby a bottle to be broken may be introduced within the housing, a closure for said opening pivotally mounted upon the body portion of the housing, said closure having spring means associated therewith adapted to maintain the closure in its normally closed position, a bottom and a detachable cover for said housing, the bottom being substantially of the same diameter as the interior of the housing and of relatively greater thickness than the material of the body portion, a piston having a head portion slidably mounted within the housing, the diameter of said head portion being substantially the same as the inner diameter of the housing, means to reciprocate said piston comprising a rod attached to the head portion of the piston and extending through the housing cover, a combined guide and bearing member for the rod attached to said cover, a handle attached to the end of the rod exteriorly of the housing, and means attached to the housing cover to lock the rod in extended position outside of the housing with the head portion of the piston above the opening in the side wall of the housing.

2,248,109
REGENERATION OF SULPHUR SOLVENTS
Carl G. Morrison and Walter H. Rupp, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 19, 1938, Serial No. 235,812
3 Claims. (Cl. 23—283)

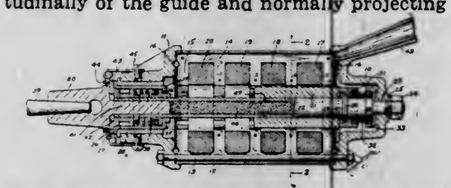


1. Tower for the regeneration of spent alkali metal hydroxide solutions containing mercaptides, said tower comprising a shell containing concentrically disposed, in about its upper third section, a flanged cylindrical element, the flange of which is transverse to the walls of the shell and attached to the shell at about a point intermediate the upper third and intermediate third sections of the shell, said shell containing in its intermediate section bubble cap plates extending transversely to the shell, means for maintaining a body of liquid in the lower section of said shell, comprising a conduit projecting therefrom and carrying a control valve, means for introducing steam into the lower section of said shell, means for introducing liquid above and substantially adjacent the flange of the cylindrical element into the area formed between said cylindrical element and the walls of the shell, and means for removing vapors overhead from said tower.

2,248,110
ELECTRIC HAMMER
Thomas J. Murphy, Stamford, Conn.
Application October 22, 1936, Serial No. 106,935
2 Claims. (Cl. 172—126)

1. In a motor of the character described, a

central guide member, a reciprocable element embracing said guide and mounted to slide thereon, heads for mounting the opposite ends of said member, a sleeve mounted to slide in one of said heads and forming an abutment for said element, a second member mounted to move longitudinally of the guide and normally projecting a



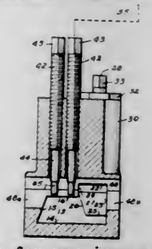
short distance beyond the abutment to be engaged by the element prior to its hitting the abutment, a spring retaining the second member in said normal position, a tool holder for receiving the force of the blow on the abutment member, and electromagnetic means for reciprocating the element.

2,248,111

BELT SPLICING DEVICE

Ernest Nassimbene, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado

Application February 1, 1941, Serial No. 376,955
6 Claims. (Cl. 164—13)



6. A machine for use in preparing a belt for splicing, comprising a metal block having a hole of the size and shape to receive a belt, clamping means comprising a wedge positioned in the belt removing hole for engaging one side of the belt and means for forcefully urging it towards the other side of the opening, the block having two spaced openings communicating with the belt receiving opening, a punch movably mounted in each spaced opening, the block having also a guide opening extending transversely of the belt receiving opening and in communication with the latter, a grooved guide member positioned in the guide opening with the groove in communication with the belt receiving opening, the groove serving to receive and guide a grooving tool.

2,248,112

ACYLATION OF ORGANIC COMPOUNDS

Clarence August Neustein, Los Angeles, Calif., assignor to Miller Chemical Works, Incorporated, Los Angeles, Calif., a corporation of California

No Drawing. Application December 10, 1938, Serial No. 245,015
19 Claims. (Cl. 260—474)

1. A method of making aspirin comprising: acylation of salicylic acid with acetic anhydride in the presence of sufficient organic liquid solvent to dissolve the acid and in the absence of more than 0.05% total water, under conditions conducive to the elimination of moisture at a temperature of between about 50° C. and 120° C. for a time sufficient to cause acetylization of the salicylic acid, said solvent being adapted to dissolve the reactants and having an inappreciable solvent effect upon aspirin at temperatures materially below the temperature of reaction, and then cooling the reaction mixture to precipitate aspirin, and separating the aspirin from the residual reaction liquid.

2,248,113

MEDICINAL COMPOSITION

Cyrus F. Newcomb, Champaign, Ill.

No Drawing. Application July 11, 1938, Serial No. 218,631
2 Claims. (Cl. 167—58)

1. A composition consisting of 25 to 75 percent ethyl chaulmoograte and 75 to 25 percent ethyl cinnamate.

2,248,114

DOG LEASH

Chester H. Norton, Katonah, N. Y.

Application February 4, 1941, Serial No. 377,314
5 Claims. (Cl. 119—109)



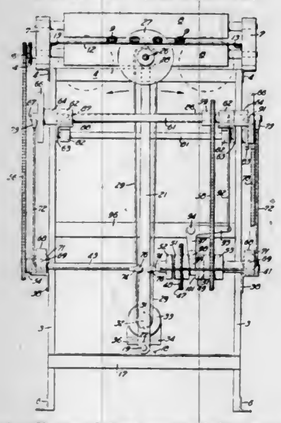
1. A dog leash comprising a cord securable at one end to a collar and formed into an extended loop at its other end, and a rigid tube through the bore of which extends one-half of said loop, the bore of said tube being greater than twice the diameter of the cord whereby the length of leash between the end of the tube and the collar end may be decreased or increased by moving the exposed half of the loop longitudinally of the tube to cause more or less of the cord to be drawn into the bore of the tube.

2,248,115

CUTOFF MACHINE

Burton A. Olsen, Oakland, Calif., assignor to California Cotton Mills Company, Oakland, Calif., a corporation of California

Application July 29, 1940, Serial No. 348,238
5 Claims. (Cl. 164—76)



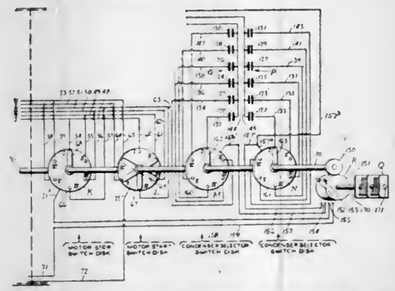
5. A cut-off machine comprising a supporting frame, pairs of rotatable feed rolls carried by said frame and tractionally engaging strips of the material to be cut, an arm mounted for pivotal movement on said frame in a direction transverse with respect to the path of movement of the material, a rotatable cutter journaled on said arm and engageable with and to cut said strips of material during movement of said arm, a motor mounted on said arm, a belt connecting said cutter to be rotated by said motor, first and second shafts journaled on said frame, sprockets carried, respectively, by said first shaft and a feed roller, an endless chain meshing with the first shaft and feed roll sprockets, radially offset crank pins carried by and movable orbitally about the axis of said second shaft, said crank pins being relatively disposed diametrically opposite with respect to said axis of the second shaft, guide pulleys carried by said frame, cables connected at one end with the respective crank pins, engaging said guide pulleys and secured at their other ends with said arm, a toothed hub secured on and for rotation with said first shaft, a toothed collar journaled on said first shaft in axially spaced relation with respect to said hub, sprockets carried, respectively, by said collar and said second shaft, an endless chain meshing with said sprockets of the collar and the second shaft, a power-driven toothed clutch sleeve axially slidable on said first shaft and positioned between said hub and collar, a bell-crank pivotally mounted on said frame and having one lever arm thereof engaged with said clutch sleeve, a cam shaft journaled on said frame, means connecting said cam shaft to be rotated synchronously with said first shaft, said cam shaft having a disk cam mounted on and for rotation therewith, a cam lever pivotally mounted at one end on said frame and having the other end thereof engaging the periphery of said cam, and a connecting rod pivotally connected at its respective ends with said cam lever and the other lever arm of said bell crank in such a manner that upon movement of said cam lever by said cam said bell crank will be moved to alternately engage said clutch sleeve with said hub and collar.

2,248,116

AUTOMATIC TUNING SYSTEM FOR RADIO SETS

Charles F. Peters, Great Kills, Staten Island, N. Y.

Application September 24, 1938, Serial No. 231,458
5 Claims. (Cl. 250—20)



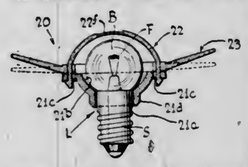
2. In an automatic tuning installation for a radio receiving set, a plurality of selectively energized circuits, one circuit corresponding to each station to be tuned in, means to select and cause energization of one of said circuits, manually controlled variable tuning means, a plurality of fixed tuning means, one for each station to be tuned in, and control means responsive to the energization of the selected circuit to set said manually controlled tuning means to zero and to select a fixed tuning means corresponding to the station of the circuit which has been selected and energized.

2,248,117

ELECTRIC LIGHTED ORNAMENTAL DEVICE

John Petry, Long Island City, N. Y.

Application June 10, 1940, Serial No. 339,627
11 Claims. (Cl. 240—10)



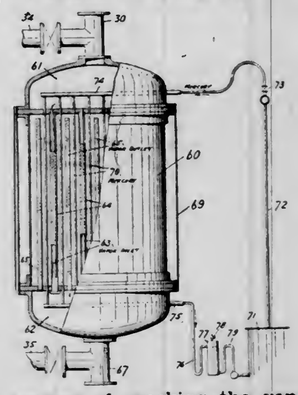
1. A device of the character described adapted to be assembled on an electric incandescent lamp having a bulb, a filament in the bulb and a base for connecting in a power circuit, comprising a holder having a central opening positioned with the lamp base extending through said opening and in close proximity to the lamp bulb, a shade member of translucent material surrounding said bulb and having an open side demountably retained against said holder, said shade member having spaced through-openings communicating with said open side to permit passage therethrough of light beams from the lamp filament, said through-openings being located to be visible when viewed from the end of said shade member opposite the holder, means formed from portions of the walls of said open side for demountably securing the shade member to the holder, and a reflector removably mounted on the holder and held in position by said means, said reflector extending beyond the shade member for receiving light beams passing through the through-openings.

2,248,118

PROCESS OF CRACKING MINERAL OIL

Arthur E. Pew, Jr., Bryn Mawr, Pa., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application October 8, 1937, Serial No. 168,012
9 Claims. (Cl. 196—49)



2. The process of cracking the vapors of a mineral oil charging stock which comprises heating the vapors to within a temperature range within which no efficient cracking occurs during said heating period but within which range rapid and efficient cracking would occur during such period in the presence of the catalyst hereinafter specified, and then flowing said heated vapors through a mass of adsorptive catalytic material adapted to induce such rapid and efficient cracking within said temperature range, and while the

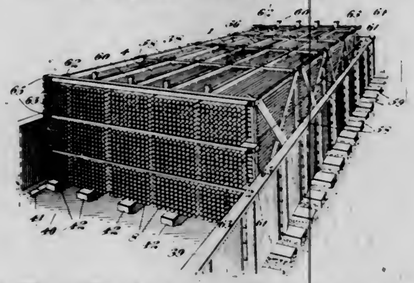
oil vapors are so flowing within said mass supplying enough heat thereto to more than compensate for that absorbed by the net endothermic cracking reaction and thereby raise the temperature of the oil vapors during their flow through said mass by transfer of heat from a multiplicity of symmetrically disposed streams of heating medium flowing through but out of contact with the catalytic material so that the cracked vapors leave the mass at a temperature within said range appreciably above that of their entry thereinto.

2,248,119

METHOD AND APPARATUS FOR ASSEMBLING AND SHIPPING RODS

Claude D. Reed and Robert L. Riley, Lebanon, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania

Application April 21, 1938, Serial No. 203,306
23 Claims. (Cl. 105—367)



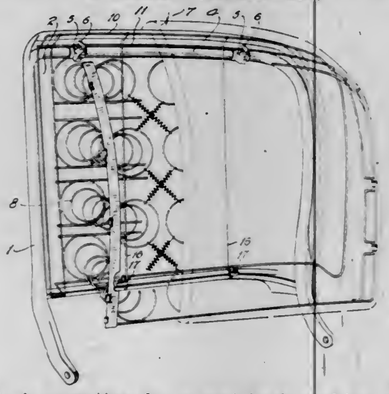
1. The method of assembling rods for shipment, which consists in arranging the rods in vertical and longitudinal rows, in uniform spaced parallel relation in kerfs formed in vertically aligned sets of blocks, binding each set of blocks together on the rods to form individual bundles, assembling a plurality of the individual bundles together in parallel relation, and then binding the individual bundles together to form a unitary bundle.

2,248,120

SEAT BACK CUSHION MOUNTING

Charles W. Rei, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 20, 1939, Serial No. 305,243
4 Claims. (Cl. 155—184)



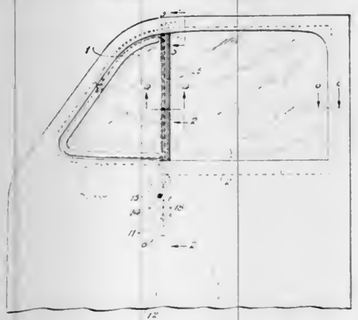
1. A mounting for a seat back cushion, comprising a supporting framework, a clip having an open recess therein rotatably mounted upon said framework, a spring unit provided with a spring supporting frame having a cross-rod secured to said frame, said cross-rod being engaged in the recess in said clip with a portion of said clip overlying said cross-rod, said clip being rotatable rearwardly from a position in which said recess opens upwardly to the position in which a portion of said clip overlies said cross-rod, whereby said cross-rod may be hooked into said recess and the spring frame drawn down to rotate the clip to hold the spring supporting frame securely upon said framework, and means securing said spring supporting frame to the framework in the down position.

2,248,121

WINDOW REGULATOR

Lloyd R. Rhein, Pleasant Ridge, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application October 16, 1939, Serial No. 299,592
1 Claim. (Cl. 296—44)



In a no draft ventilating system, the combination of a swinging panel and a sliding panel, a stile fastened to the forward edge of the sliding panel and forming a division pillar when the sliding panel is raised and acting as a stop and weatherseal for the rear edge of the swinging panel, a guide for said stile having an undercut or dovetail sliding engagement with said stile to form the sole support for the sliding panel against movement to the front or rear in the plane of the window panel, said stile or division pillar being provided with slots and a window lifting member in the form of a toothed pinion adapted to engage the slots for raising and lowering the division pillar.

2,248,122

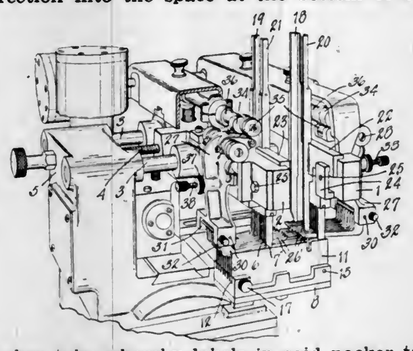
PACKING MEANS FOR LABEL CUTTING AND FOLDING MACHINES

Arthur Rosenthal, deceased, late of Grand Rapids, Mich., by The Michigan Trust Company, Grand Rapids, Mich., and Bella Jamison, Grand Rapids, Mich., executors, assignors to Rose Patch & Label Company, Grand Rapids, Mich., a corporation of Michigan

Application May 8, 1940, Serial No. 333,984
17 Claims. (Cl. 271—87)

1. Apparatus of the class described comprising a pair of opposed supports each having a plurality of vertical open bottom slots in the bottom portion thereof and carrying opposed vertical means extending above said slots and forming opposed walls of a packer tube, a plunger comprising a plurality of vertical fins spaced to register with said open bottom slots, plunger actuating means

for moving said plunger upwardly in said slots and for retracting the same, means for holding labels in the packer tube comprising vertically disposed levers pivoted on horizontal axes on said supports, closed bottom slots between said open bottom slots in the bottom portion of said supports, a plurality of individually removable fingers pivoted on each of said levers, said levers and fingers being so disposed that said fingers ride in the bottoms of said closed bottom slots and are moved through said slots and in an upward direction into the space at the bottom of said



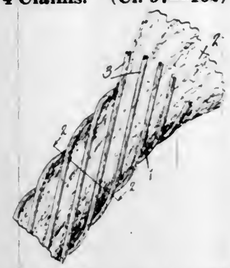
packer tube whereby labels in said packer tube are arched, and means for oscillating said levers to move said fingers into the space at the bottom of the tube and to retract them therefrom timed to retract said fingers as the plunger moves upwardly to carry a label to said packer tube and to move into the space at the bottom of the tube between the fins of the plunger before retraction of the plunger, and adjustable stops for said levers to adjustably limit the movement thereof into the space at the bottom of said tube and means to move said supports toward or away from one another.

2,248,123

UPHOLSTERY CORD

Wade E. Sackner, Grand Rapids, Mich., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich.

Application September 25, 1939, Serial No. 296,401
4 Claims. (Cl. 57—162)



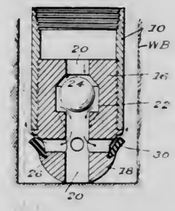
1. The method of forming a packing cord consisting of forming an untwisted substantially cylindrical core of compressed crepe sheets of cellulose wadding, applying adhesive to a plurality of threads to make them tacky, and while said threads are still tacky wrapping them as a group in spaced relationship helically around said core in one direction only on a helix having a steep pitch and such that the thread at one edge of the group is spaced from the thread at the other edge of the group on consecutive wrappings a distance corresponding to the spacing between threads of the group.

2,248,124

WELL CASING ATTACHMENT

Domer Scaramucci, Oklahoma City, Okla., assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla., a corporation of Oklahoma

Application October 4, 1939, Serial No. 297,926
12 Claims. (Cl. 166—9)



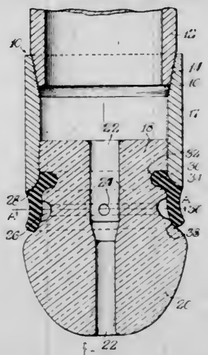
1. A well casing attachment comprising a hollow cylindrical member adapted to be connected to the end of a casing section; frangible plug means having a longitudinal passageway secured within the cylindrical member, said plug means being provided with side ports connecting with said passageway and a header channel joining the side ports at the periphery of the attachment; and a resilient valve ring disposed over the header and having its lower portion joined to the attachment so that its upper edge may flex outwardly and uncover the header channel in response to internal fluid pressure.

2,248,125

WASH-DOWN AND CEMENTING ATTACHMENT FOR WELL CASINGS

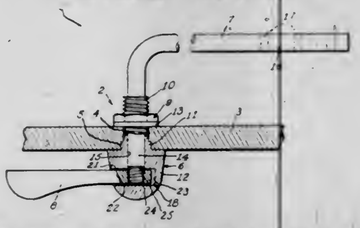
Domer Scaramucci, Oklahoma City, Okla., assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla., a corporation of Oklahoma

Application October 4, 1939, Serial No. 297,927
7 Claims. (Cl. 166—9)



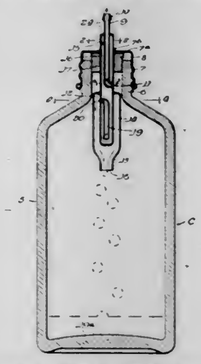
1. In combination with a wash-down, cement and guide shoe having communicating downward and lateral discharge openings therein and an annular header groove joining the lateral discharge openings, a resilient valve ring secured in position around said shoe so as normally to cover the lateral discharge openings and annular groove, and having one edge free to flex away from the shoe, said annular header groove and valve ring being constructed and arranged to provide a circumferential passage connecting the outer ends of the lateral discharge passages when said ring is unflexed.

2,248,126
WATER CLOSET LIFT ARM ASSEMBLY
John V. Schafer, Bronson, Mich.
Application February 10, 1941, Serial No. 378,171
11 Claims. (Cl. 4—67)



1. In apparatus of the kind described, a reservoir, an aperture provided in a wall thereof, a tubular member secured in said aperture, said member having an end wall, a lever disposed in said reservoir and having a part extending into said member at least to a point in advance of the front side of said wall, an opening provided in a side of said tubular member, and means projecting into said opening and connected to that part of the lever extending in front of said wall for operating said lever, the connection between said means and said lever being concealed by said end wall.

2,248,127
DISPENSING AND PACKAGING DEVICE FOR FLUIDS
Martin C. Schwab, Chicago, Ill.
Original application January 11, 1936, Serial No. 58,649. Divided and this application April 20, 1939, Serial No. 268,904
1 Claim. (Cl. 128—214)



In a self-contained air filter and fluid dispensing assembly operable upon inversion and adapted to be inserted through the neck of a container housing liquid to be dispensed, an apertured member inserted in the neck of the container, an air conducting tube and a fluid discharge tube coaxially disposed and forming an integral stem for suspending the assembly from said member in the neck of said container, a fluid chamber within said container connected to said air conducting tube, a smaller air washing chamber within said fluid chamber, both of said chambers being adapted to trap portions of the liquid to be dispensed upon inversion of the container, said liquid portions serving as a washing fluid for incoming air, said air conducting tube, fluid discharge tube, fluid chamber and air washing chamber forming a unitary integral assembly and providing a circuitous path for incoming air so that it receives a thorough wash before entering said container.

2,248,128
PRODUCTION OF PATTERN EFFECTS ON TEXTILE MATERIALS
George W. Seymour and Victor Sluyty Salvin, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 10, 1939, Serial No. 272,806
6 Claims. (Cl. 8—64)

1. Process for the production of discharge effects upon materials having a basis of an organic derivative of cellulose and colored with a dischargeable ground color having an affinity for said organic derivative of cellulose materials, which comprises applying to the materials a discharge composition of a pH less than 7 containing 25 to 50% by weight of a thickening agent, 5 to 10% by weight of a penetrating agent, 5 to 10% by weight of a buffer compound and from 10 to 15% by weight of a reducing agent of the formula

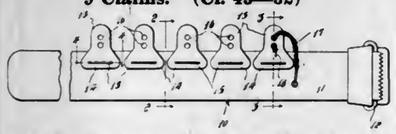
wherein R or R′ is hydrogen, alkyl, aryl or aralkyl.

2,248,129
NOVELTY ADVERTISING MATCH BOOK
John J. Sheridan and Donald P. Ross, New York, N. Y.; said Sheridan assignor to said Ross, as trustee
Application May 31, 1938, Serial No. 210,947
4 Claims. (Cl. 40—137)



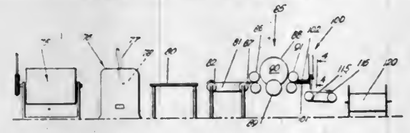
2. A novelty advertising match book container comprising a match comb suitably fastened to a thin paper-like cover strip with both the front and back of the cover having formed therein ridged panels covering the greater portion of the front and back thereof but provided with at least one plain marginal edge, the end fold of the cover being of plain stock to provide for flexibility of the free end of the cover notwithstanding the ridged panels, and the ridges of said ridged structure bearing advertising material on both sides thereof with only parts thereof observable when viewed at an angle.

2,248,130
FLY HOLDER
Edward E. Smith, Idleyld Park, Oreg.
Application May 29, 1940, Serial No. 337,912
9 Claims. (Cl. 43—32)



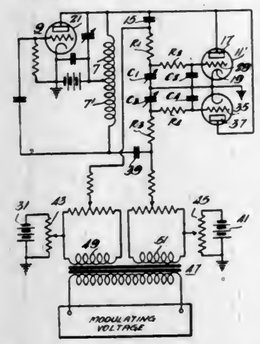
7. A fly holder comprising a band having means for detachably and adjustably connecting its ends for attaching the band around the crown portion of a hat or cap, a plurality of flexible tabs each connected at one end to said band, adjacent its upper edge, the free ends of said tabs projecting upwardly from said band beyond its upper edge, and means associated with said free ends for detachably supporting fly hooks.

2,248,131
FILTERING AND PACKING MATERIAL APPARATUS AND METHOD FOR MAKING
Leroy R. Smith, Pasadena, Calif.
Application November 17, 1937, Serial No. 175,073
4 Claims. (Cl. 210—204)



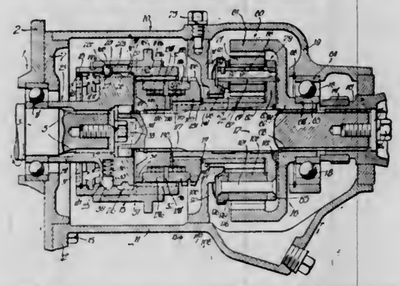
2. In the method of making a filter from a base absorbent material of kinky twisted organic tubular fibers comprising moistening the base material with a chemical which is reactive when filtering, cutting the base material and re-cutting the cuttings to produce flocculent pellets with individual fibers having clean cut non-crushed ends of the tubular fibers, the cutting and re-cutting forming as to individual fibers a capillary tube open at both ends whereby such ends function in absorption of liquid, mixing the chemically saturated pellets with a chemically reactive and adsorbent granular material of a type readily pulverized to thereby embed the granules in the flocculent pellets with the pellets forming a cushion for the pulverizable granules and then shaping the mass of pellets and the granules to form a filter.

2,248,132
FREQUENCY MODULATION
Lester C. Smith, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 27, 1940, Serial No. 315,885
10 Claims. (Cl. 179—171.5)



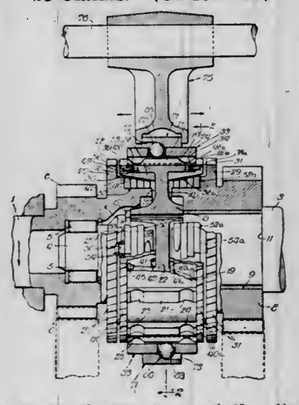
1. A variable reactance device comprising a pair of electron discharge tubes having their cathode and anode electrodes coupled to a source of alternating current whose frequency is to be varied; a pair of resistance-capacitance phase shifting networks connected to points of opposite phase on said source for applying voltages to respective grid electrodes, said voltages having phase angles in excess of 90°, lagging and leading, respectively, with respect to the voltage applied to said anode electrodes; and means for relatively varying the amplification of said tubes.

2,248,133
TRANSMISSION
Herbert C. Snow, Auburn, Ind., assignor of one-fourth to Clarence H. Dooley, Rock Island, Ill., one-fourth to H. Keith Dooley, Los Angeles, Calif., and one-fourth to Delmar D. Dooley, Rock Island, Ill.
Application July 28, 1938, Serial No. 221,724
29 Claims. (Cl. 74—259)



1. In a transmission, shiftable means providing two different ratios, torque responsive mechanism comprising overrunning slipping clutch means for moving said shiftable means from one ratio to another, and a manually controlled locking part movable from neutral position into either of two positions corresponding to the two positions of said shiftable means, said locking part cooperating with said shiftable means for locking the latter in a selected ratio after said locking means and said shiftable means have been moved into a position corresponding to the selected ratio.

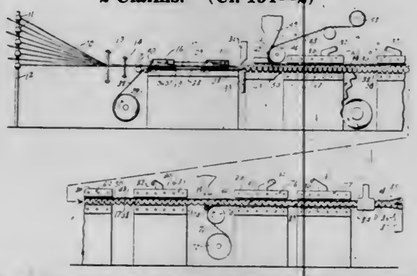
2,248,134
SYNCHRONIZING MECHANISM
Herbert C. Snow, Cleveland, Ohio, assignor of one-fourth to Clarence H. Dooley and one-fourth to Delmar D. Dooley, both of Rock Island, Ill., and one-fourth to H. Keith Dooley, Los Angeles, Calif.
Application October 26, 1939, Serial No. 301,367
25 Claims. (Cl. 192—53)



1. In a transmission, two axially aligned relatively rotatable clutch elements, a movable torque responsive part disposed between said clutch elements and shiftable in opposite direc-

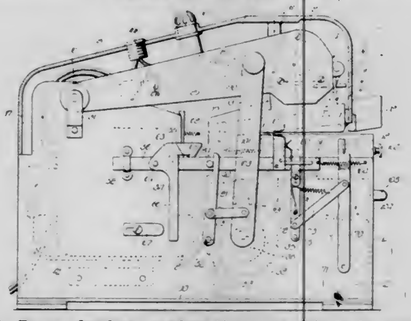
tions into selective clutching positions in engagement with said clutch elements, a member with respect to which said torque responsive part moves from one position to another, releasable means for locking said torque responsive part against movement, and manually operable means for completing the movement of said part into one position after it has been moved out of the other position in response to torque.

2,248,135
METHOD FOR THE PRODUCTION OF PILE FABRICS
William O. Stoddard, Detroit, Mich.
Application April 25, 1938, Serial No. 203,991
2 Claims. (Cl. 154—2)



1. A method of making a pile fabric including arranging in juxtaposition a continuous sheet of pile forming material and a relatively stiff continuous web adapted to form a temporary support therefor; advancing said web and pile fabric to a position between reciprocating elements; simultaneously plaiting said material and web by said elements to form a mat consisting of a plurality of rows of plaits; applying a cement to a backing; applying the cement coated backing to the pile forming material side of said mat; compressing said backing material and mat; and removing the relatively stiff web from said mat.

2,248,136
PORTABLE DUPLEX PERFORATOR
Hjalmar A. Swanson, Chicago, Ill., assignor to Cummins Perforator Company, Chicago, Ill., a corporation of Illinois
Application December 24, 1938, Serial No. 247,612
7 Claims. (Cl. 101—20)

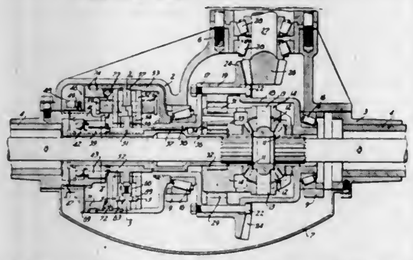


1. In a duplex perforating machine, in combination, a frame, an oscillatable perforator head pivotally supported by said frame and which when oscillated effects a perforating operation, an electric motor having a drive shaft adapted to rotate constantly while the perforating machine is in use, an operating shaft journalled by said frame, links connecting said shaft with said perforator head for oscillating the same, a clutch interposed between said operating shaft and said drive shaft, latching means yieldingly biased in a direction to hold said clutch in latched position whereby said operating shaft remains at rest, trip mechanism for releasing said latching means including a horizontally movable bar supported by the frame and a pivoted lever carried by the bar and having releasable engagement with said latching means, said bar when moved in one direction causing actuation of said latching means to release the clutch and thereafter automatically causing said pivoted lever to release its engagement with the latching means so that the same is free to again latch the clutch following a complete revolution, and means connecting with said links and receiving actuation therefrom for moving said horizontal bar to insure release of said latching means by the pivoted lever, whereby one actuation of the trip mechanism will produce only one perforating operation.

2,248,137
ELECTROLYSIS OF ALKALI METAL BRINES
Maurice C. Taylor and William C. Gardiner, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application December 17, 1937, Serial No. 180,330
10 Claims. (Cl. 204—125)

1. In the electrolysis of alkali metal brines involving the deposition of the alkali metal from the brine at a mercury cathode in an electrolytic cell, the improvement which comprises circulating the brine through the cell while maintaining in the brine in the cell calcium in substantial proportions but not exceeding about 3.6 grams per liter, iron in a concentration not exceeding about 0.0001 gram per liter and magnesium in a concentration not exceeding about 0.006 gram per liter.

2,248,138
SPEED CHANGE AXLE
Robert S. Taylor, Seattle, Wash.
Application July 5, 1939, Serial No. 282,880
21 Claims. (Cl. 74—314)

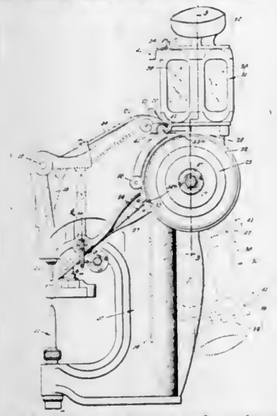


1. A speed change mechanism comprising a differential gearing having a differential casing, a planetary gear system including orbit, planet and sun gears, said planet gear being mounted on the differential casing, means for driving the orbit gear, means for holding the sun gear against rotation, and torque controlled means for locking parts of the planetary system together.

2,248,139
RIVETING MACHINE
Hjalmar Thomason, Los Angeles, Calif.
Application June 3, 1937, Serial No. 146,211
10 Claims. (Cl. 218—2.1)

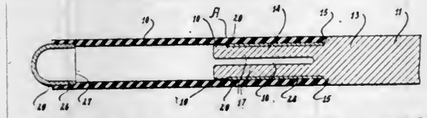
1. In a riveting machine, a track for feeding

rivets toward the work, a rotatable drum adapted to receive rivets and feed them into the track, and means providing a magazine for the rivets, said means being associated with the drum and



being movable into positions wherein rivets may be optionally emptied from the magazine into the drum or the drum may return rivets into the magazine.

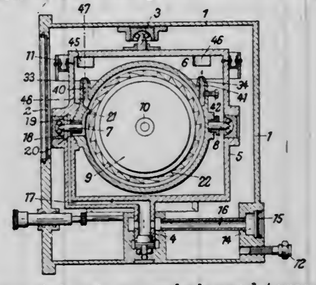
2,248,140
LETTER OPENER
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application December 11, 1939, Serial No. 308,627
4 Claims. (Cl. 30—342)



4. A bladed instrument comprising a blade, a flat bifurcated shank thereupon, shoulder means on said shank, a hollow handle having a closed end having a slot therein to receive said shank, shoulder sleeve means in said handle cooperable with said shoulder means on said end to prevent movement of said blade in said slot in one direction, and a second shoulder means on said blade cooperable with said handle adjacent said slot to prevent movement of said blade in said slot in the opposite direction.

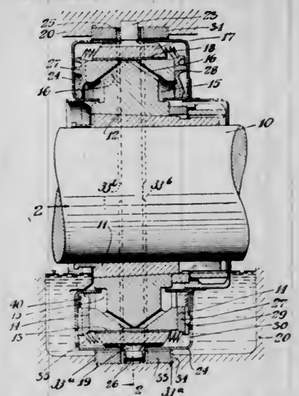
2,248,141
DIRECTIONAL GYROSCOPE
Gert Zoege von Manteuffel, Berlin-Dahlem, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau, a corporation of Germany
Application January 6, 1936, Serial No. 57,697
In Germany January 15, 1935
3 Claims. (Cl. 74—5)

1. As a means for preventing tilt in a free directional gyroscope the combination with a vertical ring mounted for rotation in azimuth; a gyro casing mounted for oscillation about a horizontal axis in said ring; and a gyro rotor journalled in said casing; of means for creating a differential air pressure within and without said casing; at least one nozzle on said casing communicating with the interior thereof and normally lying in the same vertical plane as said horizontal axis, and sharp-edged deflecting means on said vertical ring with its knife-edge horizontal so as to normally bisect said jet, whereby upon relative inclination of the casing and vertical ring about



said horizontal axis an unbalanced torque is exerted on the vertical ring about its vertical axis to correct the tilt of said gyro casing.

2,248,142
BEARING
August Gunnar Ferdinand Wallgren, Stockholm, Sweden, assignor, by mesne assignments, to Aktiebolaget Nomy, Lidkoping, Sweden, a corporation of Sweden
Application May 17, 1937, Serial No. 143,064
In Sweden May 19, 1936
9 Claims. (Cl. 308—127)

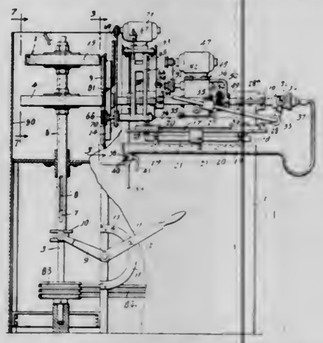


1. In a bearing, inner bearing means, outer bearing means, said means having cooperating bearing surfaces, means providing a reservoir for lubricant, and partition means together with said outer bearing means enclosing a space around said bearing surfaces and separating said surfaces from the main body of lubricant in said reservoir, said partition means and said outer bearing means serving to completely close said space radially beyond said surfaces and said partition means being formed with a passage communicating with said space radially within said surfaces.

2,248,143
FLAT GLASS BEVELING AND EDGING APPARATUS
Karl Weber, Los Angeles, Calif., assignor to Weber Showcase & Fixture Co., Inc., Los Angeles, Calif., a corporation of Delaware
Application March 10, 1939, Serial No. 261,002
7 Claims. (Cl. 51—101)

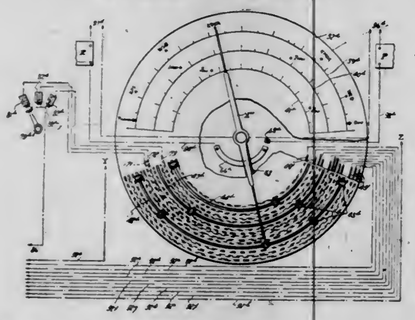
1. In a machine for beveling a glass having a periphery conforming to a predetermined curved

pattern characterized by curvilinear projections and curvilinear depressions, the combination of a frame, a rotary abrading wheel mounted to rotate in a substantially horizontal plane, a carriage guided to move laterally, a rotary carrier head mounted on the carriage for carrying the plate, said head having a curved outline corresponding to the desired predetermined pattern, a relatively fixed stop, means for yieldingly



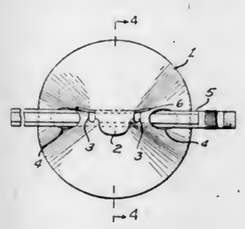
pressing the carriage laterally to maintain the periphery of the said head against the relatively fixed stop and so that the edge of the plate to be beveled is applied to the periphery of the abrading wheel, means for guiding said head to slide longitudinally on its axis of rotation toward or from the abrading wheel, and means for yieldingly urging the carrier head toward the abrading wheel.

2,248,144
AUTOMATIC RADIO TUNER
Wilhelm Henry Westby, Redwood Falls, Minn.
Application January 5, 1938, Serial No. 183,466
10 Claims. (Cl. 250—20)



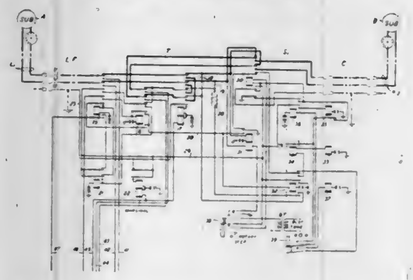
5. In an all-wave radio receiver, the combination with the dial, tuning elements, and band changing elements thereof, of a tuning mechanism for actuating the tuning elements and including a separate contact member for each wave band and operatively connected to the tuning elements for movement therewith, a separate series of selector members arranged on the dial for adjustment thereon, and means operative for energizing the tuning mechanism through any selected selector member of a selected wave band for tuning the receiver to a setting determined by that of the selector member and simultaneously adjusting the band changing elements to a position corresponding to the selected wave band.

2,248,145
TAG
Marjorie C. Wilder, New York, N. Y., assignor to Robinson Tag & Label Company, a corporation of New York
Application May 3, 1940, Serial No. 333,066
2 Claims. (Cl. 40—20)



1. A tag comprising a flexible body of sheet material slit within its margin to form a tab attached only at its base and having an aperture at each end of the base, and means attached to and carried by the tag constraining the tag flexed about an axis intersecting the base and perpendicular thereto, whereby the free end of the tab normally extends outwardly from the adjacent portion of the tag.

2,248,146
TELEPHONE SYSTEM
Samuel B. Williams, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 2, 1938, Serial No. 217,176
7 Claims. (Cl. 179—18)

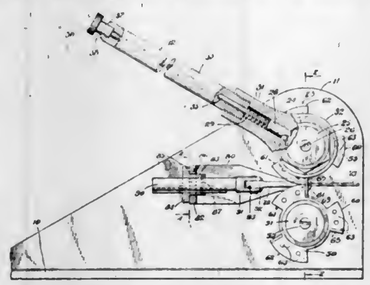


1. A switching system comprising a plurality of lines divided into groups, selectors, each selector arranged to select a group having one or more idle lines therein and to hunt for an idle line in a selected group, and means including a group terminal for marking a group busy upon selection of the group by any one of said selectors and for maintaining said marking until an idle line has been selected by the selector in question.

2,248,147
DIMPLING MACHINE
Edmund P. Wilson, Forty Fort, Pa., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York
Application December 21, 1939, Serial No. 310,366
12 Claims. (Cl. 140—113)

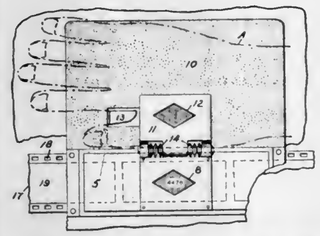
1. In a dimpling machine for securing a sleeve upon a cable, comprising rockably mounted opposed members disposed for cooperation with

opposite sides of the sleeve, said members being provided with opposed grooves of the same diam-



eter as the sleeve and a series of projections at the bottoms of said grooves.

2,248,148
APPARATUS FOR COMPARING, MATCHING, OR DETECTING COLORS
John Wilson, Washington, D. C.
Application February 11, 1939, Serial No. 256,004
10 Claims. (Cl. 88—14)

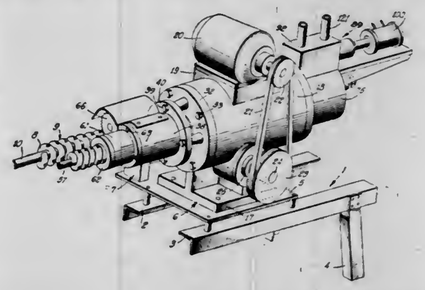


1. In an apparatus for determining the color of a person's skin, a supporting structure having a color display opening and a steady rest adapted to support, palm downward, a hand of the person whose skin color is to be determined, a spreader carried by the steady rest in proximity to the display opening to engage between and hold the thumb and forefinger of the hand spread so as to stretch and dispose for observation the skin of a portion of the hand between said parts thereof, a member mounted on the supporting structure alongside said color display opening so as to overlie the supported hand, said member having a color comparison opening therein arranged so that the skin stretched by the spreader will be disposed beneath the comparison opening and visible therethrough for comparison with a color displayed through the color display opening, a movable color scale indicator mounted for movement to expose portions thereof through the color display opening and provided with sequentially arranged colored portions representing different colors of a color group adapted to be successively exposed through the display opening, and means for moving said indicator relatively to the display opening.

2,248,149
WINDING DEVICE
Ray O. Wilson, Los Angeles, Calif., assignor to Ralph D. Collins
Application October 27, 1939, Serial No. 301,585
15 Claims. (Cl. 153—64)

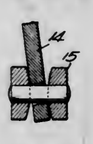
1. In an apparatus for making extension de-

vices from a resilient member which has been pre-formed into an elongated helical coil, the combination of: means for supporting said preformed coil for rotation about its longitudinal



axis; and means engageable with one end of said coil for moving said end through a helical path having a pitch opposite to the pitch of said preformed coil.

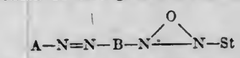
2,248,150
AIR-COOLED ENGINE COWLING
Roscoe C. Wilson, West Point, N. Y., and Harold W. Case, Dayton, Ohio
Application March 24, 1938, Serial No. 197,885
10 Claims. (Cl. 244—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cowling for an air-cooled engine of an aircraft, comprising an annular member adapted to be positioned around the engine and arranged with respect to the nose of the aircraft fuselage to provide therewith a substantially streamlined contour having an annular discharge opening therein and a longitudinally extensible and retractable shutter means disposed within said opening and in the neighborhood of the trailing edge of said annular member for circumferentially uniformly varying said opening without materially affecting said streamlined contour.

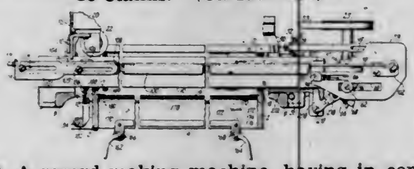
2,248,151
PRODUCTION OF SUBSTANTIVE AZO DYESTUFFS
Hermann Winkeler, Schkopau, and Albert Petz, Mannheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application July 11, 1939, Serial No. 283,828. In Germany July 23, 1938
1 Claim. (Cl. 260—143)

Azo dyestuffs of the general formula



wherein A stands for the radicle of benzoyl-sulphoaminosalicylic acid, wherein B stands for a mononuclear radicle of the benzene series attached to the azo group in 1-position with reference to the azoxy group in 4-position, and wherein St stands for the radicle of a nitrostilbene-disulphonic acid.

2,248,152
LINE SPACE MECHANISM FOR RECORD MAKING MACHINES
Elmer L. Wise, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 16, 1938, Serial No. 214,009
13 Claims. (Cl. 197—124)

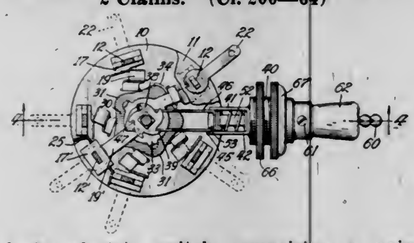


2. A record making machine, having in combination, a carriage movable in opposite directions across the machine, line space mechanism, means for actuating the line space mechanism from the return movement of the carriage comprising a breakable connection held in operative condition at the end of the return movement of the carriage, a cam-carrying member movable in opposite directions and cams carried by said member to break said connection respectively upon movement of said member in either direction and thereby release the line space mechanism.

2,248,153
METHOD FOR EMULSIFYING THE ESSENTIAL PRINCIPLES OF HOPS
Lyndon D. Wood, Chicago, Ill., assignor to National Hops Laboratories, Inc., Chicago, Ill., a corporation
No Drawing. Application July 20, 1938, Serial No. 220,331
7 Claims. (Cl. 99—50.5)

2. The process for making an emulsion of the essential principles of hops, consisting in pulverizing the hops, placing the hops in a closed container and subjecting them to the solvent action of acetone, adding activated carbon in the proportion of one-fourth ounce of activated carbon to each pound of the extract, permitting it to slowly settle, and after a period of two to four hours separating the carbon and extract by filtration, and applying sufficient pressure to express from the hops all of the extract contained therein, whereby to produce an extract containing the same percentage or proportions of hop oil, lupulin, tannin and hop seed oil as are found in fresh hops, adding to the hop extract an equal amount of malt syrup, and beating the mixture together in a suitable apparatus to produce the emulsion.

2,248,154
ELECTRIC SWITCH
Ben H. Young, Chicago, Ill.
Application March 1, 1939, Serial No. 259,210
2 Claims. (Cl. 200—64)

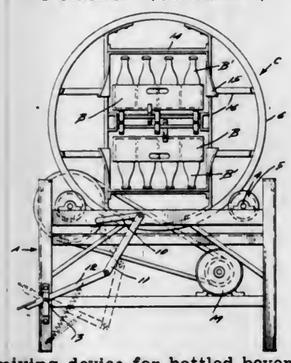


1. An electric switch comprising a pair of spaced parallel superposed insulating disks having a series of spaced registering mortises therethrough adjacent the edges thereof, a plurality of rigid elongated metal members having both ends of each member formed as similar tenons, said members connecting said disks to form a framework with a central region between said disks, fixed spring contacts for certain members, each contact having a flat mortised mounting portion lying against the inside face of one disk only with a tenon passing through said mortised mounting portion, each contact having a contacting portion extending into said central region, a shaft rotatively mounted in said disk and passing through said central region, a movable contact carried by said shaft and cooperating with said fixed contacts for effecting switching during shaft rotation, means for rotating said shaft for switching purposes, a connecting lug for each contact bearing member, said connecting lug having a flat mortised mounting portion adjacent the other disk only and through which a tenon passes, said lug mounting portion being substantially thicker than the spring contact mounting portion, said one disk being thicker than the other disk to compensate for the difference in thickness between the two metal mounting portions at opposite ends of a member.

2,248,155
PROCESS FOR THE PRODUCTION OF INDOLE ACIDS
Carl N. Zellner, Rahway, N. J., assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application June 28, 1938, Serial No. 216,283
7 Claims. (Cl. 260—319)

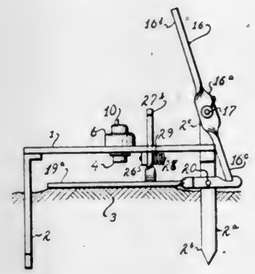
1. The process for the production of indole acids comprising reacting an ester of oxalic acid with an ester of a higher dibasic aliphatic acid, condensing the tricarboxylic acid ester thus obtained with phenyl hydrazine in the presence of a mineral acid, and subjecting the reaction product to thermal treatment.

2,248,156
MIXING MACHINE FOR BOTTLED CARBONATED BEVERAGES
John R. Adcock, Pikeville, Ky., assignor of one-fourth to John B. Du Puy and one-fourth to J. Kelly Hatmaker, both of Pikeville, Ky.
Application January 25, 1941, Serial No. 375,973
3 Claims. (Cl. 259—57)



1. A mixing device for bottled beverages comprising a frame, a cylinder rotatably supported by the frame, a track passing through the cylinder for supporting boxes containing the bottles of beverages and parts of the cylinder holding the bottles in the cylinder both when in upright position and in up-side-down position, drive means for rotating the cylinder, manually operated means for normally holding the cylinder out of engagement with the drive means and a pair of members on the cylinder and arranged diametrically on the cylinder for engaging the manually operated means for stopping the cylinder each time it has made a half revolution.

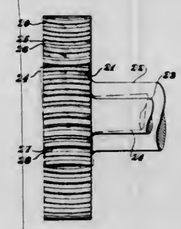
2,248,157
AUTOMATIC GUN TRAP
Raymond E. Barnes, Aurora, Ill.
Application July 17, 1939, Serial No. 284,948
2 Claims. (Cl. 43—84)



1. A mole trap comprising a flat ground plate, ground prongs at the ends of the plate the prong at one end being extended up above the plate to form a firing arm pivot post, a cartridge tube seated centrally through the ground plate the tube being threaded exteriorly at its upper end, a cap-like, interiorly threaded breech block adapted to screw onto the tube and having a firing pin bore formed through its closed upper end, a spring-set firing pin seated in the bore of the breech block, a pair of trigger arms extended horizontally, laterally of the ground plate, each of the same being inturned at one end and thereby being independently pivoted to the ground pin having the upwardly extended end as a pivot post, the extremities of the inturned ends being extended parallelly and notched on their upper margins, and a spring-set firing arm pivoted medially to the pivot post at the end of the plate, one end thereof being adapted on release to strike the firing pin of the breech of the cartridge tube, and the other end, when turned down, to releasably engage the notches in the ends of the trigger arms for holding the trap in set position.

2,248,158
CURVED TOOTH GEAR AND PINION WHEELS
Francis H. Boor, Lafayette, Ind., assignor to Fairfield Manufacturing Company
Application December 20, 1939, Serial No. 310,106
4 Claims. (Cl. 74—466)

1. A gear wheel and a pinion wheel construction comprising, a gear wheel having an axis and having a plurality of curved teeth each having a generated involute profile, the spaces between the teeth being the same from one side of the wheel to the other and the sides of the spaces being arcs of circles having a common center, a pinion wheel having an axis substantially parallel to the axis of the gear wheel and having a plurality of similar curved teeth each having a generated involute profile adapted to mesh with the curved teeth of the gear wheel, the spaces between the teeth of the pinion wheel being the same from one side of the wheel to the other and the sides of the spaces being arcs of circles having a common center, the tooth space between adjacent teeth of the gear wheel and of the pinion wheel defined by a convex and a concave side, each said side being curved about the same generating center with different radii of curvature, the radius of curvature of the con-



vex side of the tooth space being smaller than the radius of curvature of the concave side by an amount substantially equal to the tooth space between adjacent teeth, and the convex side of the tooth space of one wheel and the concave side of the tooth space of the other wheel engaging each other in the central transverse region of the said wheels, the ends of the engaging sides of the teeth deviating from each other by an amount resulting from the difference in the radius of curvature to provide for a rocking engagement to accommodate limited relative movements of the axes of the gear and pinion wheels.

2,248,159
COMPOUND FOR DESTROYING WATER HYACINTHS, AND METHOD
Kenneth J. Boyd, Tallahassee, Fla.
No Drawing. Application October 12, 1940, Serial No. 360,923
2 Claims. (Cl. 167—45)

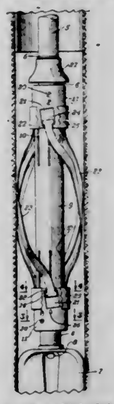
1. A water hyacinth and similar plant growth destroying composition, comprising di-calcium arsenite having a content as arsenious oxide 42–57 per cent, as metallic arsenic 31.5–43 per cent, as water soluble arsenious oxide 2–6 per cent, and as water soluble metallic arsenic 1.5–4 per cent, and a water carrier therefor, said percentages being independent of inerts.

2. A method of destroying water hyacinth and similar plant growths, which comprises the admixture of the solid ingredients specified in claim 1 in the proportion of approximately 1 pound thereof and approximately 15 gallons of water, and applying the compound thus prepared in the form of a spray upon water hyacinth and similar plant growths to effect the destruction thereof by a single spraying operation.

2,248,160
WELL APPARATUS
Earl L. Crawford, Whittier, Calif.
Application August 12, 1938, Serial No. 224,561
6 Claims. (Cl. 166—18)

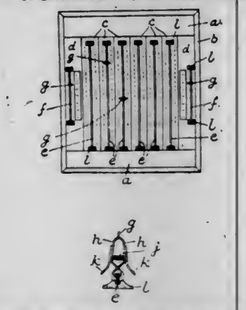
1. In a device of the character described, a drill stem, a sleeve rotatably encircling said drill stem, said sleeve being of greater inside diameter than the outside diameter of said drill stem to

form a circulation passage through said sleeve around said stem, a plurality of bowed spring



shoes having their ends slidably attached to said sleeve.

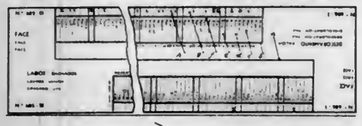
2,248,161
SCOREBOARD FOR GAMES
Ernest James Cross, Westcliff-on-Sea, England, assignor to Betterway Ideas Limited, London, England, a company of Great Britain
Application October 1, 1938, Serial No. 232,890
In Great Britain October 13, 1937
3 Claims. (Cl. 116—135)



1. A game scoring board having a column of scoring indicia thereon, a rail on said board extending parallel to said column, and a scoring clip comprising limbs movably connected together at their ends adjacent to one end of the clip, jaws on the other ends of the limbs, urged toward each other to engage said rail, the intermediate portions of the limbs being movable toward one another to release and disengage said jaws from the rail, and a pointer member on one limb having an indicating end to cooperate with said column, said indicating end being opposite to but terminally spaced from the jaw on the other limb to enable movement of said jaw to disengage the clip from said rail.

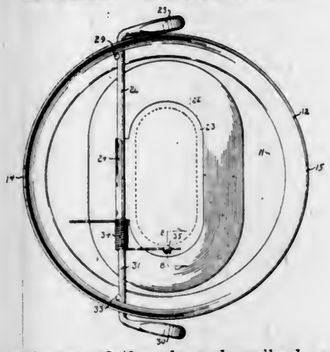
2,248,162
COLLECTION OF INDEX CARDS FOR HOMEOPATHIC REPERTORIAL RESEARCH
Ozorio Schleder de Araujo, Rio de Janeiro, Brazil
Application January 19, 1940, Serial No. 314,733
In Brazil January 19, 1939
4 Claims. (Cl. 35—17)

1. In a prescription system, a series of similar cards each ruled with identical adjacent parallel columns and being further ruled with a guide-line running lengthwise of said card perpendicularly transversely of said columns, all of said cards carrying a series of identical prescription indicia respectively positioned on one side of said guide line, each card bearing an individual identification symbol adapted to show the purpose thereof and further carrying in certain of said columns on the side of said guide-line free of



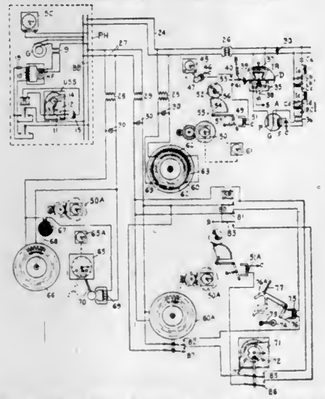
prescription indicia, valorising additive numerals representing the value for the purpose of said symbol of the prescribed indicia appearing in said column, said cards being adapted to be superposed in echelon with columns carrying the same prescription indicia in register and the edge of one card lying on the guide line of the card beneath for the convenient addition of said valorising additive numerals appearing in said columns respectively.

2,248,163
TOBACCO ASH RECEPTACLE
Talbert M. Dick and Maurice J. Fletcher, Des Moines, Iowa, assignors to Talbert M. Dick, as trustee for Cadet Smoke Stand Company, a common-law trust, doing business at Des Moines, Iowa
Application May 16, 1938, Serial No. 208,226
14 Claims. (Cl. 220—20.5)



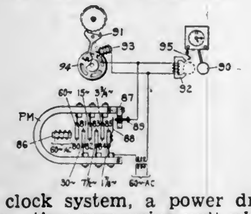
14. In a device of the class described, an urn portion having its upper end open and capable of having its upper end portion yieldingly distorted under pressure, a hopper top member having an opening communicating with the inside of said urn and detachably embracing the upper end portion of said urn, a spring handle bail member having its two end portions operatively engaging the upper portion of said urn at points diametrically opposite from each other; said spring handle bail member exerting a pressure on the upper portion of said urn for slightly distorting the same and so binding it with said hopper top member as to prevent the accidental detachment of said hopper top member from said urn, two notches cut in the lower rim portion of said hopper top member for embracing the two end portions of said spring handle bail member and preventing the independent rotation of said hopper top member relative to said spring handle bail member and said urn, a trap-door element operatively hingedly secured to said hopper top member and capable of closing the opening in said hopper top member at times, a means for yieldingly holding said trapdoor in a closed position, and means to facilitate the manual opening of said trapdoor at times.

2,248,164
MEANS FOR TRANSMITTING TIME SIGNALS
Oscar H. Dicke, Rochester, N. Y.
Application May 23, 1929, Serial No. 365,584
27 Claims. (Cl. 58—35)



24. In a clock system, a master clock, a secondary clock including clock hands advanced by a rotary synchronous motor, a line circuit connecting said master clock and said secondary clock, means associated with said master clock for applying alternating current to said line circuit to operate said synchronous motor, means governed by said master clock for applying a distinctive and higher frequency current to said line circuit at time spaced intervals each interval defining a particular time period, and means controlled by said higher frequency current for correcting the said clock hands to any extent not in excess of a major portion of said time period.

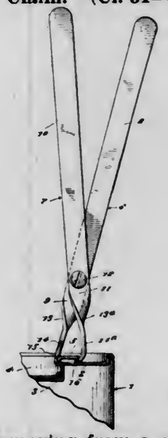
2,248,165
SUSTAINED POWER ELECTRIC CLOCK
Oscar H. Dicke, Rochester, N. Y.
Application June 5, 1934, Serial No. 729,079
49 Claims. (Cl. 58—24)



15. In a clock system, a power driven clock train having a time measuring unit which is kept in operation by said train and which in turn controls the rate of operation of said train, a source of periodic current of regulated periodicity, means governed by said current for producing periodic magnetic fields which bear a sub-multiple relation to said periodic current, and means governed by said periodic magnetic fields to control said unit to control its rate of operation so as to bear a sub-multiple relation to the periodicity of said current.

23. In a clock, the combination of an escapement mechanism, a synchronous electric motor, means actuated by said motor for controlling said escapement mechanism, and means comprising a resilient member acting under certain abnormal conditions occurring during operation of said escapement controlling means for restraining the amplitude of motion of said escapement mechanism when the amplitude thereof reaches a predetermined point.

2,248,166
CAN OPENER
Charles A. Eilers, Montague, Mich.
Application May 29, 1940, Serial No. 337,948
1 Claim. (Cl. 81—3.1)

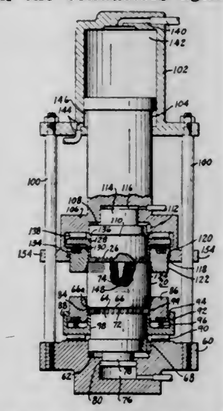


A tool for removing from a container a countersunk cover having an upstanding annular wall provided with an outstanding circumferentially extending flange overhanging the head of the container about an opening through which the cover fits; said tool comprising companion members pivoted together and each having a handle and a jaw integral with its handle, the jaws being disposed one in front of the other and being movable towards and away from each other by movement of the handles, the rear jaw having its lower end curved forwardly to provide a lip sharpened along its edge for engagement under the flange of the cover and having a curved under surface constituting a fulcrum surface, the front jaw having its lower end protruding below the rear jaw and curved rearwardly, a groove being formed across the rear face of the front jaw in position to receive the lip of the rear jaw when the jaws are closed and constituting a seat to receive the upper edge of the wall of the cover at the inner margin of its outstanding flange whereby the flange may be gripped between the jaws and the tool rocked upon its fulcrum surface to lift the cover from the container.

2,248,167
METHOD OF MAKING ROTORS
George W. Elsey, Western Springs, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 15, 1936, Serial No. 85,321
Renewed October 14, 1939
4 Claims. (Cl. 29—155.53)

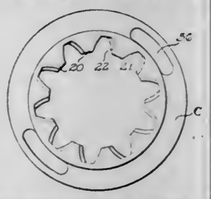
1. In the method of making rotors, the steps of advancing the leading end of a conductor wire through one of a series of holes in a laminated rotor core, bending slightly the leading end of

the conductor after it passes through the core, severing from the advanced supply wire a length which projects through the core, repeating the preceding steps until each hole holds a conductor, bending all the conductors against each other



to place a permanent stress on the conductors to hold the laminae together, ramming the bent ends against the end of the core and above each other to maintain the stress on the conductors, and then fusing the ends beyond the core ends into an integral end ring.

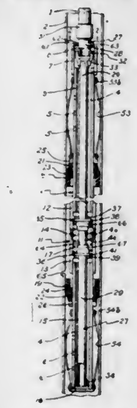
2,248,168
CUTTER FOR CHAMFERING GEARS
James E. Gleason, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application October 7, 1938, Serial No. 233,805
9 Claims. (Cl. 29—103)



2. A tool for chamfering gears in the form of an internally toothed member having a number of cutting teeth equal to the number of teeth of the gear to be chamfered, each cutting tooth having side-cutting edges formed at the junctures of its front face and sides.

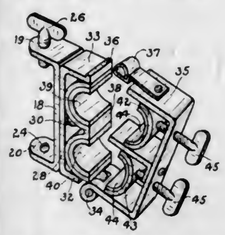
2,248,169
OIL WELL TOOL
Paul H. Granger, Los Angeles, Calif.
Application July 26, 1940, Serial No. 347,697
17 Claims. (Cl. 166—1)

1. A tool for use in combination with a well casing and a string of tubing adapted to be moved vertically within said casing, comprising: a vertically elongated inner member adapted for connection at its upper end to the tubing string and having a passage that extends downwardly from its upper end and communicates with the exterior of said member through an opening spaced from said upper end; a vertically elongated outer member which extends around and rotatably engages said inner member; two vertically spaced packing members secured to said outer member at positions respectively above and below said opening and adapted for sealing engagement with the casing and cooperating with said outer member to seal off a vertically extending zone of the casing between said packers in communication with said opening; said outer member defining a passage outside the inner member establishing communication from a position outside the tool below the lower packer and a position outside the



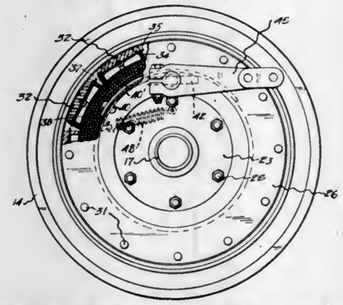
tool above the upper packing member and communicating through said opening with the first-mentioned passage; two valve devices controlling communication through the last-mentioned passage and located respectively below and above said opening, each of said valve devices comprising two coacting valve members secured respectively to the inner and outer members and operable to open and closed positions upon relative rotation of said members.

2,248,170
ADJUSTABLE CARRYING BRACKET FOR AUTOMOBILES
Robert G. Hansen, Renton, Wash.
Application August 9, 1938, Serial No. 223,926
1 Claim. (Cl. 224—29)



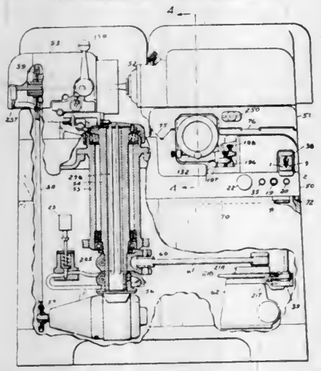
The combination with an automobile and its hinged doors, of means for carrying articles on said doors including a supporting bracket having inturned parallel ends, the lower end having an inner depression adapted for co-action with the free end of the hinge pin, and the upper end having a threaded opening adapted to receive a bolt for co-action with the headed end of the hinge pin, an article clamp including a rectangular frame pivotally mounted on said bracket, a semi-cylindrical clamp section secured within said frame, a co-acting semi-cylindrical clamp section movable in said frame, and an adjusting bolt on said frame and engaging said movable section.

2,248,171
BRAKING MECHANISM
James W. Hatch, Detroit, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 13, 1939, Serial No. 256,118
12 Claims. (Cl. 188—78)



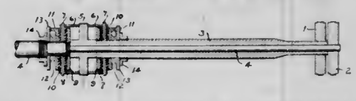
1. A braking mechanism of the class described, comprising: a rotatable drum; a stationary member positioned within said drum and having a circular channel formed on its periphery open at the outer side and terminating adjacent the inner surface of said drum; a plurality of separate brake shoes rockably mounted in said channel adjacent the outer side thereof and radially movable inwardly and outwardly of said stationary member and adapted upon radial outward movement for frictionally engaging said brake drum; a shield member carried by each of said shoes and extending across the inner side of the shoe on which said shield member is mounted and overlapping the adjacent end of the adjacent shoe, said shields forming a closure in said channel for forming with the bottom thereof a chamber; a plurality of disconnected inter-engaging thrust members substantially filling said chamber; axially movable means for delivering a thrust to said thrust members and reducing the space in said chamber occupied by said thrust members for forcing said thrust members against the inner sides of said shoes and forcing the same radially outwardly.

2,248,172
RACE GRINDER
Milburn A. Hollengreen, Daniel Gurney, John A. Boller, and Robert S. Elberty, Jr., Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa.
Application June 17, 1938, Serial No. 214,358
13 Claims. (Cl. 51—97)



3. A grinding machine having a work support and means for supporting a work piece thereon, means for rotating said work piece, means for oscillating said work piece, a wheel support, a grinding wheel rotatably mounted thereon and means for positioning said grinding wheel in operative relation with said work piece, means for dressing said grinding wheel including a false work piece having a plurality of dressing diamonds mounted therein, means for effecting said oscillating movement during a dressing operation and means for holding said false work piece against rotation with the diamond points in substantially the same horizontal plane as the axis of the grinding wheel whereby said diamond holder may be substituted for said work piece and thereby effect a dressing of the grinding wheel.

2,248,173
STOCK TICKER
Ira D. Hyskell, New York, N. Y.
Application February 18, 1938, Serial No. 191,339
10 Claims. (Cl. 178—39)



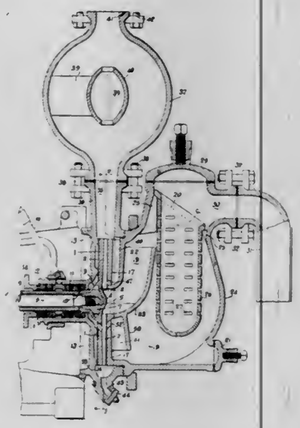
1. In a printing telegraph mechanism of the stock ticker class, two type wheels mounted on independently-rotatable shafts and having one a single row of type characters, mostly letters, on its face and the other a single row of type characters, mostly figures, on the face thereof, said shafts respectively having stop arms through interception of which to enable rotary motion of the type wheels to be stopped, means for imparting rotary motion to the type wheels independently through friction clutches and two character selector devices provided with means for receiving separate electric selection impulses and respectively with stop pins for stopping said type wheels by interception of said stop arms at predetermined positions relative to selected type characters.

2,248,174
SELF-PRIMING CENTRIFUGAL PUMP
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application February 23, 1939, Serial No. 257,979
5 Claims. (Cl. 103—113)

1. A self-priming fluid pump of the centrifugal type comprising an impeller, vanes secured thereto, said impeller and vanes being adapted to rotate within a casing, an inlet passageway communicating with the inner ends of the passageways between the vanes and extending angularly thereto to leave a relatively sharp edge at the junction between the inlet and vane passageways whereby a zone of contraction is produced in the region of the sharp edge, an outlet passageway leading from the periphery of the impeller through said casing to the exterior of the pump, and a passageway for priming fluid leading from the periphery of the impeller through the casing adjacent said sharp edge and leading to said zone of contraction.

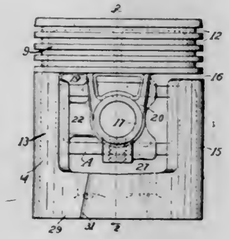
4. A fluid pump of the centrifugal type having a casing and comprising an impeller, vanes secured thereto to form passageways, an inlet passageway leading to the center of the impeller, a suction elbow forming part of the inlet passageway and having a portion positioned below the center of the impeller, a passageway extending partially across said suction elbow to leave an

opening between the edge of the passageway and the lowermost portion of the elbow, and means including a drainage aperture communicating



with the space in the region of the center of the impeller and said passageway for draining fluid from the lowermost portion of the elbow.

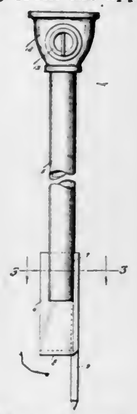
2,248,175
PISTON
Frank Jardine, Cleveland, Ohio, assignor, by mesne assignments, to The Cleveland Trust Company, as trustee, Cleveland, Ohio, a corporation of Ohio
Continuation of application Serial No. 79,527, January 6, 1926. This application October 22, 1932, Serial No. 639,139
14 Claims. (Cl. 309—13)



1. A piston comprising a head, piers depending from the head, cylinder bearing portions on opposite sides of the piston, a pair of struts extending between the cylinder bearing portions, each strut being formed with an upper branch and a lower branch, and each branch of each strut being completely encircled by the material of the piers.

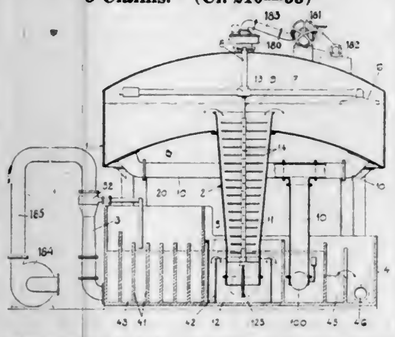
2,248,176
PLANTER
Sidney P. Johnson, Birmingham, Ala.
Application November 30, 1940, Serial No. 368,066
2 Claims. (Cl. 111—92)

1. A planter comprising an elongated tube open at its upper and lower ends, a handle extending laterally from the upper end of the tube,



and a cutter at the lower end of the tube, a pivot pin projecting from said cutter.

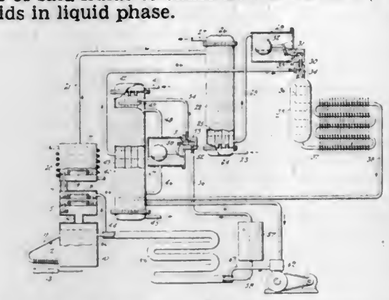
2,248,177
APPARATUS FOR PURIFYING WATER
Adolf Magnus Rupert Karlström, Goteborg, Sweden
Application May 10, 1937, Serial No. 141,839
In Sweden May 11, 1936
8 Claims. (Cl. 210—53)



1. An apparatus for purifying water comprising means for conveying the water to be purified, means for introducing gas into the water to be purified in said conveying means, a tank connected to said conveying means, means in said tank for removing the gas not dissolved in the water, an ascending conduit for said water connected to said tank, a separating tank into which the top end of the ascending conduit opens, movable means in the ascending conduit adapted to reduce the acceleration of movement of ascending gas charged particles, movable means for removing the particles floated to the water surface in the separating tank and means for removing the clear liquid from said separating tank.

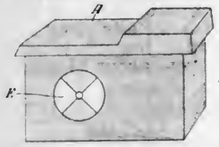
2,248,178
REFRIGERATION
Walter A. Kuenzli, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application September 2, 1937, Serial No. 162,079
13 Claims. (Cl. 62—119.5)

1. A method of refrigeration which includes flowing a plurality of refrigerant fluids to a common place of evaporation, and utilizing flow of one of said fluids to cause flow of another of said fluids in liquid phase.



9. In an absorption refrigeration system utilizing a plurality of refrigerant fluids, an evaporator, means for separately liquefying said refrigerants, and means utilizing flow of one of said liquid refrigerants to said evaporator to cause flow of another of said liquid refrigerants to said evaporator.

2,248,179
PHOTOGRAPHIC DEVELOPING APPARATUS
Alfred Miller and Gerhard Schmidt, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application December 31, 1938, Serial No. 248,773
In Germany January 3, 1938
4 Claims. (Cl. 95—90.5)



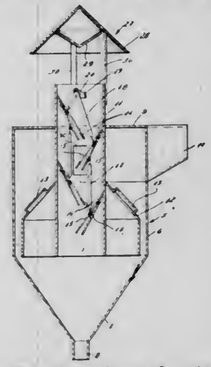
1. An apparatus for reversal development of film comprising a receptacle, a film spool mounted therein for supporting the successive layers of said film in spaced relation to each other, and shutter means on said receptacle for selectively excluding and admitting actinic light with respect to the film on said spool within said receptacle at least a part of said spool transmitting the actinic light to said film to facilitate the second exposure of said film to such light.

2,248,180
METHOD OF RECLAIMING FINELY DIVIDED METALLIC PARTICLES
Wilson H. Moriarty, Shaker Heights, Ohio
No Drawing. Application October 1, 1938, Serial No. 232,847
4 Claims. (Cl. 75—5)

1. A process of sintering iron ore comprising mixing carbon and finely divided iron with the ore in the following proportions: Carbon 3% to 8%, finely divided iron 25% to 15% and the remainder iron ore and sufficient water to make a workable mixture, and sintering the charge.

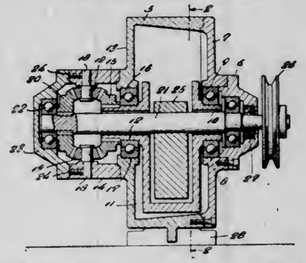
2,248,181
DUST COLLECTOR
Raymond Little, Decatur, Ind.
Application October 26, 1940, Serial No. 363,039
4 Claims. (Cl. 183—86)

1. A dust collector comprising a casing having an air inlet and a dust outlet, a sleeve rising centrally from said casing and providing an air outlet, means carried by said sleeve and arranged in said casing to deflect the air from the air inlet downwardly in the casing with a swirling motion to the lower end of the sleeve for



passage upwardly therethrough, staggeredly arranged baffles arranged in said sleeve and having openings, hinged dampers carried by said baffles for regulating the flow of air through the openings of the baffles, and means for adjusting the position of the dampers.

2,248,182
VIBRATORY MOTION PRODUCING APPARATUS
Edward W. Mateer, Westfield, N. Y.
Application March 27, 1940, Serial No. 326,288
2 Claims. (Cl. 74—61)

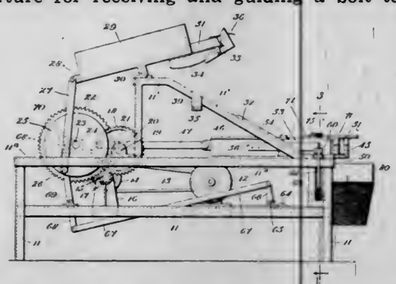


1. A vibration producing apparatus comprising a housing, a hollow shaft in the housing, a shaft extending through the hollow shaft, weights on the shafts, a drive at one end of the second-mentioned shaft, differential gearing between the shafts at the ends thereof opposite from the drive, said differential gearing being adapted to rotate said weights in opposite directions and at the same angular speed and to extend in the same direction at two diametrically opposed points in the line of vibrating movement and in opposite directions in a line perpendicular to said line of movement, the weight on the hollow shaft being of U-shape in cross section and having the weight on the second-mentioned shaft operative therein.

2,248,183
APPARATUS FOR ASSEMBLING NUTS AND BOLTS
Clyde T. Mulvany, Los Gatos, Calif.
Application September 13, 1940, Serial No. 356,714
14 Claims. (Cl. 10—155)

1. In a machine for assembling nuts and bolts, the combination of a slide having a recess for

receiving and holding a nut against rotation, and a groove communicating with said recess; a member adjacent said slide provided with a complemental groove which in one position of the slide registers with the slide groove to form an aperture for receiving and guiding a bolt to a



nut positioned in said recess, said member also having a surface engageable by the bolt to impart rotation to the latter whereby it may be threaded into the nut; and means for moving the slide to cause the bolt to traverse said surface.

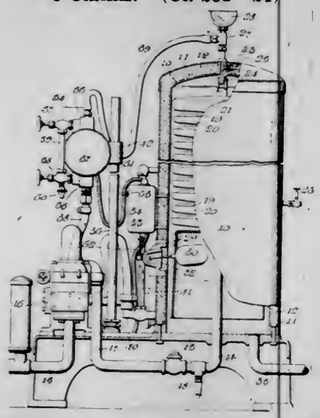
2,248,184

APPARATUS FOR CARBONATING LIQUIDS

George W. Newton, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application May 2, 1939, Serial No. 271,381

3 Claims. (Cl. 261—24)



1. Apparatus for producing carbonated water in variable, controlled degrees of partial saturation, comprising a tank adapted to contain an atmosphere of carbon dioxide gas under predetermined, substantially constant pressure, a plurality of substantially horizontally disposed plates arranged in superimposed relation in a vertical series in the tank, means for intermittently delivering to the upper portion of the tank a stream of water of predetermined volume to cause the water in the stream to film and flow a single time only in a labyrinthine path over said plates in gas-absorbing contact with said atmosphere and to be collected in substantially quiescent state in the lower portion of the tank, and means for varying the number of plates over which the stream films and flows and hence the film-area of the stream in gas-absorbing contact with said atmosphere, said last-named means comprising a float chamber disposed exteriorly of the tank, means connecting its interior with the interior of the tank at upper and lower points, whereby the water in the chamber assumes the level of the water in the tank, a float in the chamber adapted to move relative to the chamber in response to changes in the level of the water therein, means actuated by movement of the float relative to the chamber for controlling said stream introducing means, whereby the level of the water in the tank and in the chamber is maintained in substantially constant predetermined relation to the chamber, and means for bodily adjusting the chamber vertically relative to said tank to raise the level of the water in the tank and thereby to submerge below said water level a desired number of the filming plates in the tank.

2,248,185

HEAT TREATMENT OF ALUMINUM BASE ALLOYS

Joseph A. Nock, Jr., Tarentum, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application July 12, 1939, Serial No. 283,995

8 Claims. (Cl. 148—21.1)

4. A method of heat-treating an article of aluminum base alloy, said alloy containing zinc, magnesium, copper, and manganese, which comprises heating the article at a temperature and for a time sufficient to place a substantial portion of the soluble constituent of said alloy in solution, quenching the article at a rate sufficiently slow to avoid distortion of the shape of the article and sufficiently rapid to retain a substantial portion of the constituent of said alloy in solid solution, artificially aging the article, and subsequently heating the article between 350° F. and 450° F. for from about 15 minutes to about 2 hours.

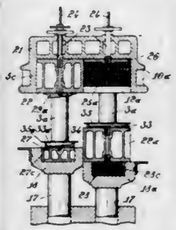
2,248,186

PRESSING APPARATUS

Otto Oeckl, Berlin-Schoneberg, Germany, assignor to the firm Henschel Flugzeug-Werke Aktiengesellschaft, Schonefeld, Kreis Teltow, Germany

Original application October 11, 1938, Serial No. 234,455. Divided and this application July 21, 1939, Serial No. 285,786. In Germany February 22, 1937

8 Claims. (Cl. 113—38)



1. A press for the production of sheet metal stampings comprising two press parts movable towards and away from one another, one of said press parts containing a chamber open towards the other of said press parts, a plurality of press bodies adapted for separate and interchangeable insertion in said chamber, some of said press bodies consisting of elastic yielding material and the other bodies of rigid material, said chamber being of a size to receive and to be filled by at least two of said bodies disposed therein in side by side relationship, means for securing two of said bodies in side by side relationship in said chamber, and a rigid counterpart adapted to be carried by the other press part for cooperation with at least one of two press bodies secured in said chamber, the arrangement being such that hard-on-yielding pressing operations may be effected either between two press bodies of yielding material disposed in said chamber and said rigid counterpart or between one body of yielding material which together with a second body filling the chamber is disposed therein and said rigid counterpart, and that hard-on-hard pressing operations may be effected either between two press bodies of rigid material disposed in said chamber and said rigid counterpart or between one body of rigid material which together with a second body filling the chamber is disposed therein and said rigid counterpart.

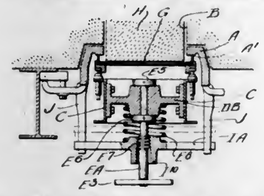
2,248,187

ACTUATING MECHANISM FOR COKE OVEN DOOR LOCKING SCREWS

Carl Otto, The Hague, Netherlands, assignor to Fuel Refining Corporation, Dover, Del., a corporation of Delaware

Application July 16, 1938, Serial No. 219,534

2 Claims. (Cl. 202—248)



2. In a self-sealing door, the combination with a rigid portion of the door, of a locking bar spindle having its inner end swivelled in said rigid door portion, and having a threaded outer portion and an intermediate unthreaded portion of smaller diameter than said threaded portion, a locking bar formed with a threaded socket in which the threaded portion of said spindle is normally threaded but adapted to be moved by excessive rotation of said spindle in the door unlocking direction, into a position in which said threaded spindle portion is at the outer side of, and the intermediate portion of said spindle is within said threaded socket and a spring acting on said locking bar in the direction tending to move the latter outwardly along the length of the spindle.

2,248,188

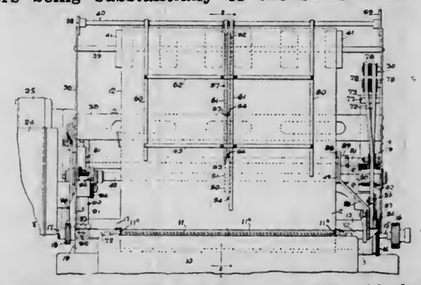
MANIFOLDING DEVICE

William C. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio

Application March 2, 1939, Serial No. 259,395

7 Claims. (Cl. 271—2.1)

1. In a manifolding device for attachment to a record printing machine, a frame arranged to register with the printing mechanism of said machine, means on said frame for supporting and guiding a plurality of superimposed record sheets, said record sheets having a single longitudinal row of spaced apertures located at substantially the center line thereof, a pair of shafts spacedly mounted in said frame, a sprocket on each shaft, a sprocket chain meshing with said sprockets, a single row of longitudinally spaced feeding members connected to said sprocket chain and insertable in said apertures, and means for rotating one of said shafts, said apertures having their leading edges flat and said feeding members having flat leading edges engageable with the flat leading edges of said apertures, said members being substantially of the same width as



said sprocket chain and forming with said chain the only moving support of said record sheets, the sheets being fed by engagement of said members in said sheet apertures only.

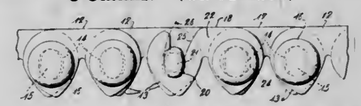
2,248,189

POWER TRANSMISSION CHAIN

Harold S. Pierce, Indianapolis, Ind., assignor to Link-Belt Company, a corporation of Illinois

Application April 8, 1940, Serial No. 328,567

8 Claims. (Cl. 74—250)



1. In a power transmission chain of the type wherein the link elements are arranged in transversely aligned sets connected by joint parts comprising pins and with the link elements of each set alternating with the link elements of the next adjacent sets in bearing on the joint parts, a coupling link element of substantially equal thickness to and occupying the position of a regular link at one side of one of said sets and having one of its end portions connected to one joint pin of said set, and an uncoupling and recoupling snap lock connection between the remaining end portion of the coupling link element and the adjacent end portion of the second joint pin of said link element, said connection comprising a transversely arranged slot extending from one edge of the coupling link element and being constricted at a point intermediate its ends, and a reduced portion on the end of the joint pin received in said slot and frictionally held therein by said constriction.

2,248,190

COMBINED TYPEWRITER AND COMPUTING MACHINE

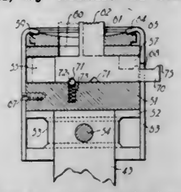
Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 29, 1939, Serial No. 281,849

1 Claim. (Cl. 235—145)

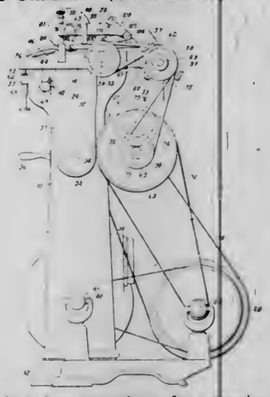
In a machine of the character described; a key depressible to an operative position and automatically restorable from said position, and means for locking said key against restoration, said key and means including, in combination, a key body having at its top a transverse slot, a latch plate slidable in said slot and having a finger-piece-forming tab extending above said body top, a disk overlying said body and formed to overlie and retain said latch plate in said slot,

said disk having an opening through which said tab projects, a sleeve arranged to keep said body and disk together, said sleeve having a side-opening at said body slot, said latch plate being manually slidable at will, by means of said tab, between



two positions, said latch plate being arranged to project through said sleeve opening in one of said positions and to be retracted in the other position, and a fixed element opposing the projected latch plate to lock the key in its depressed position.

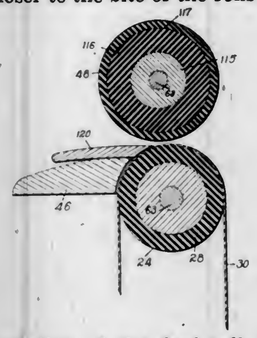
2,248,191
ABRADING MACHINE
John William Pratt, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 10, 1939, Serial No. 267,119
In Great Britain April 22, 1938
9 Claims. (Cl. 51—139)



1. A machine for scouring shoe parts and like articles, comprising a scouring roll, a feed roll for feeding work pieces past said scouring roll, a support for one of said rolls, and a pivotal mounting for said support, said support being capable of swinging movement about said pivotal mounting to enable the roll carried by the support to move away from the other roll in accordance with the thickness of a work piece passing between the rolls, and said pivotal mounting being constructed and arranged for adjustment of the position of the support to enable the roll carried by the support to be maintained at a desired position along the direction of feed.

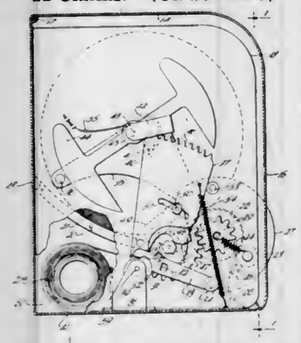
2,248,192
ABRADING MACHINE
John William Pratt and Charles Harold Heather, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 2, 1939, Serial No. 271,320
In Great Britain July 13, 1938
9 Claims. (Cl. 51—139)

1. A machine for scouring skived articles such as soles, comprising a scouring roll, a feed roll arranged to hold a work piece against said scouring roll and having a peripheral cushion which is more yieldable at one locality along its length than at another locality, and a plate for pressing a work piece against said feed roll as the work piece is fed to said scouring roll, said plate extending closer to the bite of the rolls at the more



yieldable portion of the feed roll than at the less yieldable portion to cause the thicker portion of a skived work piece to be embedded more deeply in the feed roll than the thinner marginal portion and thereby to insure adequate pressure of the thinner edge portion against the scouring roll.

2,248,193
TOWEL DISPENSING APPARATUS
Laurence L. Price, Los Angeles, and Maurice E. Maltby, Bell, Calif.
Application May 31, 1939, Serial No. 276,518
11 Claims. (Cl. 271—2.3)

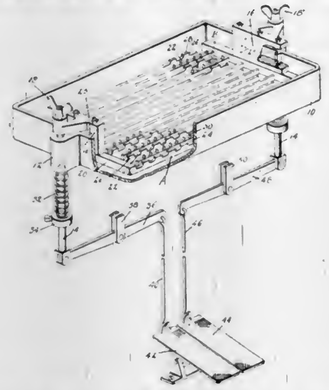


1. A towel dispensing apparatus having time delay means comprising a pendulum controlled pallet, escapement teeth engageable therewith and urged relatively thereto, stop means arresting the discharge of toweling operable by the escapement teeth, and means operable by the withdrawal of toweling for causing the pallet to engage the escapement teeth at a point requiring a predetermined time interval to elapse before the stop means is released.

2,248,194
PASTING APPARATUS
William W. Prichard, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 5, 1939, Serial No. 249,417
7 Claims. (Cl. 91—47)

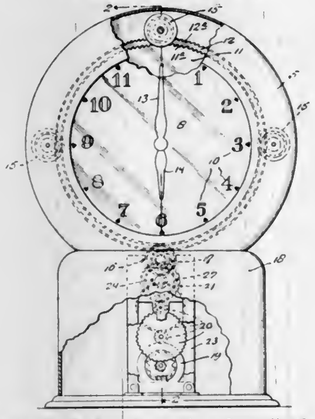
6. In a pasting apparatus, a paste pan, inter-

related grid sections consisting of parallel bars, upstanding projections on said bars, the projections on the bars of one section being circular in cross-section and the projections on the bars of



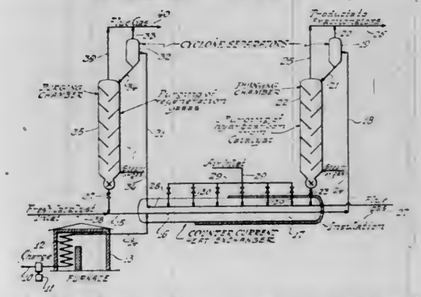
the other section being rectangular in cross-section, and means for operating said apparatus to raise either one of said sections without raising the other whereby the quantity of paste applied may be varied.

2,248,195
CLOCK
Leendert Prins, Flushing, N. Y.
Application April 30, 1937, Serial No. 140,040
1 Claim. (Cl. 58—125)



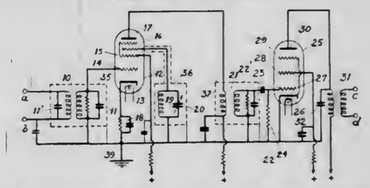
In a clock of the character described, a hollow base having a top opening, a circular opaque casing member rigidly mounted directly on top of said base and provided with opposed front and rear openings, transparent members closing said openings, hour designating numerals on one of said transparent members, rotatable circular members located within said casing member and formed with peripheral gear teeth, the major central portions of said rotatable members being transparent, minute and hour hands rigid with said rotatable circular members, grooved guide wheels mounted within said casing member at the top and sides of the latter and receiving the edges of said rotatable circular members, and means located in said base for driving said rotatable circular members, said driving means including a horizontal shaft mounted within the upper portion of said base and driven spur gears mounted on said horizontal shaft and exposed through the top opening of said base to support said rotatable circular members and mesh with the peripheral teeth of the latter.

2,248,196
CATALYTIC CRACKING AND REFORMING
William B. Plummer, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application September 13, 1939, Serial No. 294,774
11 Claims. (Cl. 196—52)



10. In an endothermic catalytic hydrocarbon conversion process employing powdered catalyst which becomes spent in the endothermic conversion and which requires exothermic regeneration, the method of operation which comprises suspending powdered catalyst in a stream of superheated hydrocarbon vapors, passing said vapors together with the suspended powdered catalyst through an insulated conversion zone wherein carbonaceous material is deposited on said powdered catalyst, then separating said catalyst from hydrocarbon vapors, suspending said separated catalyst in a regeneration gas stream, passing said regeneration gas stream with its suspended catalyst through a regeneration zone in heat exchange relationship with said insulated reaction zone, introducing air into said regeneration zone for burning carbonaceous material from the powdered catalyst suspended therein whereby the exothermic heat resulting from said combustion supplies endothermic heat for said conversion, separating gases from the catalyst leaving said regeneration zone and admixing said powdered catalyst with further amounts of superheated hydrocarbon vapors for effecting further endothermic conversion.

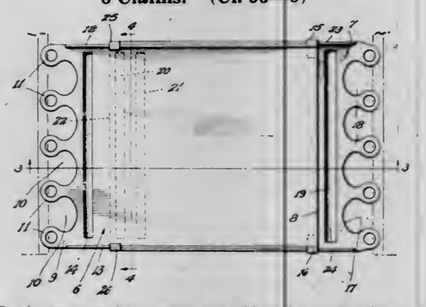
2,248,197
FREQUENCY VARIATION RESPONSE CIRCUIT
Karl Rath, New York, N. Y., assignor to Radio Patents Corporation, a corporation of New York.
Application February 14, 1940, Serial No. 318,972
11 Claims. (Cl. 250—27)



4. A frequency variation response circuit comprising an electron discharge tube having

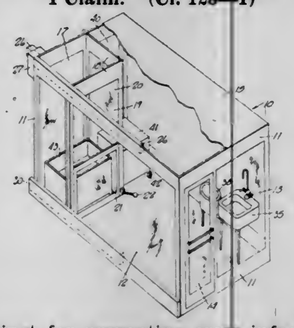
means for producing an electron space current and a first and a second control grid disposed at different points in the path of said space current, means for impressing a high frequency potential of varying frequency upon said first grid, means including resonant impedance means tuned to a predetermined frequency connected to said second grid, whereby said second grid is excited by said high frequency potential by electron coupling with said space current at varying phase in dependence upon the departure of the frequency of said high frequency potential from the tuning frequency of said resonant impedance means, an output circuit for said tube, load impedance means inserted in said output circuit to develop high frequency output energy having an amplitude modulated according to the relative phase departure between the high frequency potentials on said first and second control grid, and amplitude modulation detecting means for demodulating said output energy.

2,248,198
REMOVABLE OVEN SPLATTER TRAY
Carrie Ratz, Hampshire, Ill.
Application March 2, 1939, Serial No. 259,430
8 Claims. (Cl. 53—5)



7. A removable oven splatter tray having cut away portions defining lugs engageable in oven grooves whereby said tray may be supported in an oven.

2,248,199
METHOD AND MEANS FOR PREVENTING CROSS INFECTION
James A. Reynlers, South Bend, Ind.
Application April 4, 1938, Serial No. 200,053
1 Claim. (Cl. 128—1)



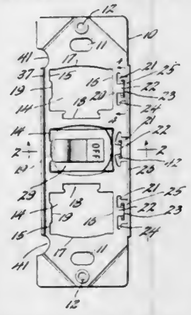
A cabinet for preventing cross infection, said cabinet having a chamber therein sealed against outside atmosphere, an entrance closure to said cabinet, an auxiliary compartment within the chamber of the cabinet for the reception of a patient, said auxiliary cabinet being normally sealed against atmospheric pressure in the chamber of the first mentioned cabinet, a closure for the auxiliary cabinet and within the chamber of the first mentioned cabinet, said closure being slidably mounted for movement in the plane thereof, whereby it will not create air currents between said first mentioned chamber and the chamber of the auxiliary cabinet when the closure is opened or closed, and means for circulating air through both cabinets.

2,248,200
GLOVE
Harwood S. Rowles, Johnstown, N. Y.
Application November 20, 1939, Serial No. 305,359
5 Claims. (Cl. 2—169)



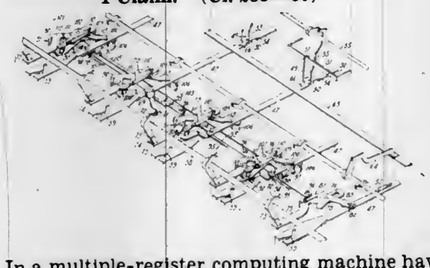
1. In a glove formed of a single blank having palm and back sections foldable along a line adjacent the little finger, a thumb, the palm portion of said thumb being formed integral w.th the back section of said blank, and the back portion of said thumb being formed integral with the palm section of said blank.

2,248,201
MOUNTING STRAP FOR INTERCHANGEABLE WIRING DEVICES
Mark N. Russell and Victor R. Despard, Syracuse, N. Y., assignors to Pass and Seymour, Inc., Solvay Station, N. Y., a corporation of New York
Application October 2, 1940, Serial No. 359,436
13 Claims. (Cl. 174—53)



1. In electric wiring apparatus, in combination, a sheet metal bridge plate for mounting over the face of an outlet box and having an opening with opposite straight walls substantially parallel to the plate axis, a wiring device adapted for support in said box by said plate having a portion presenting a shoulder against the plate back adjacent said walls, a neck protruding from said shoulder to extend through said opening and having only tolerance clearance from said walls, a recess opening through each neck side adjacent said walls, each recess opening extending along the neck from the shoulder a distance not substantially greater than the thickness of said plate, one of said plate opening walls having a permanent lug for extension into one of said recessses, the opposite wall being a narrow strip formed from the plate and bendable into the other recess, the edge portions of the plate adjacent to said walls being bent forwardly to provide stiffening flanges, the flange at the lug side being curved on a large radius and beginning at the opening wall whereby the shoulder clears the plate back to permit entrance of the lug into its recess while the plate is inclined to the shoulder plane.

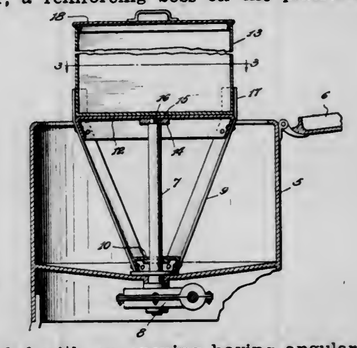
2,248,202
COMBINED TYPEWRITING AND COMPUTING MACHINE
Walter T. Sagner, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 30, 1938, Serial No. 216,781
1 Claim. (Cl. 235—60)



In a multiple-register computing machine having a computing-zone-traversing carriage and a plurality of spring-urged laterally distributed state-controller bars, one for each register, selectively releasable under control of said carriage for resultant endwise movement; a restoring and suppressing mechanism for said state-controller bars comprising, in combination, a universal restorer extending transversely of and operatively connected to said bars, a cross-link, stationarily-fulcrumed bell cranks connecting said restorer and cross-link, a stationarily-fulcrumed lever operatively connected to said link and operable to move the link endwise to shift said restorer by means of said bell cranks to restore or suppress said state controller bars, a bar supported for endwise movement and operatively connected to said lever for operating the latter, said state-controller bars, restorer, link, bell cranks, lever and bar being disposed to work in substantially horizontal planes, and a downwardly depressible throw-off key having an operating connection to said lever-operating bar.

2,248,203
WASHING MACHINE ATTACHMENT
John S. Shipley, Valley Station, Ky.
Application March 21, 1939, Serial No. 263,239
2 Claims. (Cl. 68—4)

1. The combination with a washing machine having a power spindle provided with an angular terminal, of an inverted conical shaped frame comprising spaced converging side bars, a member secured to the converging ends of said bars and provided with an opening adapted to receive the lower end of the spindle, a platform secured to the diverging ends of the bars and adapted to receive and support an auxiliary liquid container, a reinforcing boss on the platform and



provided with an opening having angular walls for engagement with the angular terminal of the spindle, the upper end of the side bars of the frame being extended vertically above the upper surface of the platform to form supports for engagement with the liquid container.

2,248,204
FRAME FOR WOMEN'S STRAPLESS GARMENTS
Helen Taubkins Snider, Baltimore, Md.
Application February 23, 1940, Serial No. 320,470
5 Claims. (Cl. 2—42)



1. A frame for women's strapless garments comprising a stiffly flexible stay adapted to extend medially of the front part of the body from adjacent the abdomen to a position intermediate the breasts, an abdominal piece arranged to be worn upon the body, means for attaching said abdominal piece to the body, means pivotally connecting the lower end of the stay to said abdominal piece, a member engaging and supporting each breast, and means pivotally connecting said member to the upper end of the stay, whereby said members and stay are movable about separate pivots so as not to interfere with the free movement of the body.

2,248,205
SANITARY DEVICE FOR CLEANSING THE HANDS AND ARMS
Ludwig Henry Otto Stobbe, Salt Lake City, Utah
Application September 3, 1938, Serial No. 228,409
1 Claim. (Cl. 15—21)

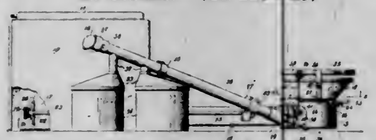
A device of the class described, comprising

a casing having arm holes in the front face thereof; two rows of transversely mounted brushes, one above the other, with the upper



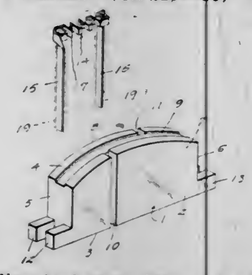
row adapted to be elevated when the hands are inserted thereinto; and means responsive to upward movement of the upper row of brushes to start the brushes rotating.

2,248,206
ASH REMOVAL EQUIPMENT FOR STOKERS
Robert W. Suman, Chicago, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application February 29, 1940, Serial No. 321,581
12 Claims. (Cl. 110—45)



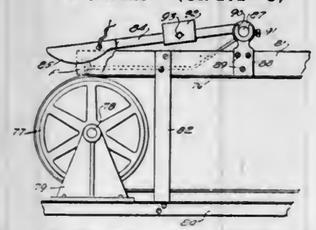
6. Ash removal equipment for underfeed stokers comprising a stoker drive mechanism, a burner head, a drive shaft extending from the drive mechanism to a point adjacent the base of the burner head and employed solely as a source of power for ash removal equipment, means for supporting the end of the drive shaft from the burner head, an inclined ash tube, means for supporting the ash tube from the burner head, a conveyor screw arranged in the ash tube, a countershaft arranged parallel to the ash tube, means for supporting the countershaft from the ash tube, gearing drivingly connecting the lower end of the countershaft to the drive shaft, gearing drivingly connecting the upper ends of the countershaft and the conveyor screw, mechanism associated with the burner head for breaking off the ash and delivering it to the lower end of the conveyor screw, and means for driving said mechanism from the horizontal drive shaft independently of its drive of the conveyor screw.

2,248,207
FRUIT BRANDING DEVICE OR TOOL
Ira A. Tedder, San Benito, Tex.
Application September 12, 1939, Serial No. 294,558
7 Claims. (Cl. 219—30)



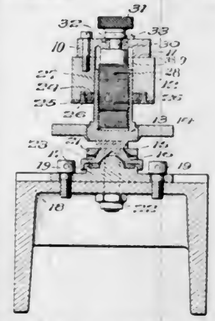
2. A branding tool comprising a heat resisting and non-electrical conducting body part including a surface of arcuate contour formed lengthwise thereof with an arcuate groove and a pair of side surfaces formed with grooves communicating at one end with opposite sides of the said other groove, an electrically heated electrical resisting marker member including an identification indicia searing portion mounted in and extended from said arcuate groove and a pair of arms having corresponding ends merging into the ends of said portion, said arms being extended through the grooves in said side surfaces and connecting with said portions at the points of communication between said arcuate groove and the said other grooves, and means mounted on the said several grooves for securing said member to said body part.

2,248,208
FRUIT BRANDING MACHINE
Ira A. Tedder, San Benito, Tex., assignor, by direct and mesne assignments, to Tedder Fruit Branding Machine Company, a corporation
Continuation of application Serial No. 241,679, November 21, 1938. This application June 29, 1940, Serial No. 343,282
9 Claims. (Cl. 101—8)



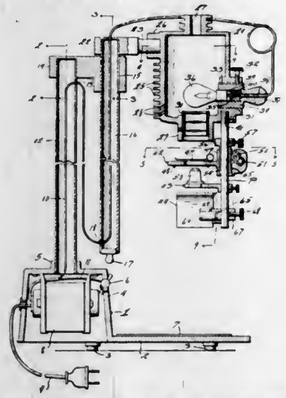
1. In a fruit conveyor including an endless conveyor belt and stationary upstanding walls on opposite sides of the belt; a fruit marking attachment comprising a rock lever, means engaging said walls and the lever rockably supporting the lever above the belt, a heated marking means fixedly carried by said lever, and means carried by said supporting means guiding the fruit toward said marking means.

2,248,209
LEVELING DEVICE
Victor V. Vacquier, Oakmont, and Dante A. Salvetti, Blawnox, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application January 22, 1941, Serial No. 375,526
6 Claims. (Cl. 248—180)



1. In a screw type device for supporting and leveling an instrument on a base, a downwardly extending male threaded member in fixed relation to the instrument, a rotatable female threaded sleeve in pivotal relation to the base and engaging and surrounding the male threaded member, and means affording a dust-proof seal between the sleeve and the instrument.

2,248,210
MICROSCOPE PROJECTOR
James B. Worthington and Victor Bartley, Oklahoma City, Okla.
Application December 2, 1939, Serial No. 307,322
6 Claims. (Cl. 88—24)



1. A microscope projector, comprising a base having a horizontally disposed flat portion and a housing at one side of said flat portion, a vertically disposed tubular standard secured at one end in the top of said housing and extending upwardly therefrom, a head secured to the upper end of the standard and having a vertically disposed guide therethrough, a shiftable tubular standard extending through the guide of said head and maintained thereby parallel with the fixed standard, means for securing the shiftable standard in adjusted position in the guide, an elongated vertically disposed lamp housing secured to the upper end of said standard and having apertures in its upper and lower ends, a lens system in the lower aperture of the lamp housing and having its axis parallel with said standards, an incandescent lamp supported in the lamp housing in alinement with said lens system, said lamp housing having ventilating apertures in the lower part thereof, a post secured to the lamp housing and extending downwardly therefrom parallel to said lens system axis, a specimen stage adjustably supported on the post beneath the lens system, an objective adjustably supported on the post beneath said stage, and a mirror adjustably supported on the post beneath said objective and being adapted for disposition in the path of light rays passing downwardly through the objective for deflecting such rays to a receiving screen, said first housing being designed to enclose an electric current transformer and said tubular standards being designed to house a current conductor leading from the transformer to the incandescent lamp.

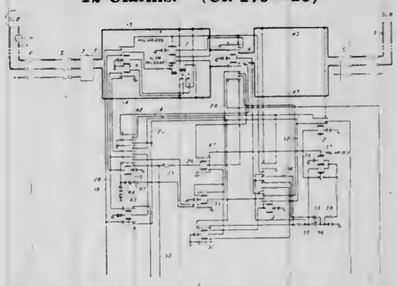
2,248,211
WELL TOOL
Bob Young, Houston, Tex.
Application February 25, 1939, Serial No. 258,392
7 Claims. (Cl. 166—12)

1. An oil well tool of the class described comprising a tubular body having a passage therethrough, an expander surrounding the body, a spring cage surrounding the body and releasably connected thereto, said cage including members adapted to engage cylindrical walls surrounding the tool and to resist movement of the cage relative to said walls, slips attached to the cage and



movable radially outwardly upon relative longitudinal movement of the expander and cage, a packer surrounding the body below said expander and a thrust bearing between the lower end of the body and the packer whereby the tubular body may be rotated when the spring cage is released therefrom.

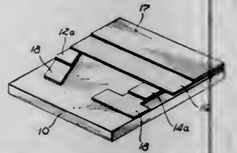
2,248,212
TELEPHONE SYSTEM
Walter P. Albert, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 304,461
12 Claims. (Cl. 179—16)



1. The combination in an impulse repeater comprising a register switch having a movable contact and a series of position terminals for registering successive series of incoming impulses, means responsive to a first impulse series for advancing said movable contact from any position to a succeeding stopping position and responsive to further series of impulses for advancing it successively to succeeding stopping positions, a primary means and a secondary means for applying a marking condition to each of said stopping positions, a counting switch having a movable contact and a series of position terminals corresponding respectively to the positions of said register switch, circuit means for detecting a marking condition when applied by either said primary or secondary means and for stopping said counting switch, and means for preventing

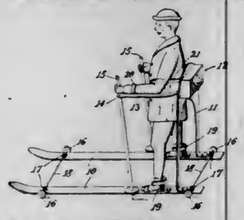
said secondary means from applying the marking condition if the marking condition applied by said primary means has been detected.

2,248,213
DECALCOMANIA TRANSFER AND METHOD
Roy C. Beck, Pasadena, Calif., assignor to Vitachrome, Inc., Los Angeles, Calif., a corporation of California
Application August 8, 1938, Serial No. 223,611
12 Claims. (Cl. 41—33)



11. In a decalcomania transfer, the combination of: an absorbent mounting sheet; a separation coat on said sheet of sufficiently high normal viscosity to prevent absorption thereof by the mounting sheet, said coat being sufficiently soluble relative to the absorptive capacity of the mounting sheet for substantially complete absorption into the mounting sheet when a solvent for the separation coat is applied to the mounting sheet; a design coat on said separation coat; and an adhesive coat on said design coat to cause the design to adhere to an article to which the decalcomania transfer is applied.

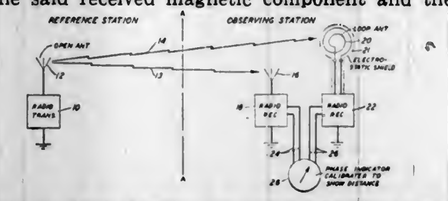
2,248,214
TOY
Etta M. Bleecker, Massapequa, N. Y.
Application March 12, 1940, Serial No. 323,550
4 Claims. (Cl. 46—107)



4. In a skiing toy, fixed runners connected by a frame, a toy operating mechanism supported by said frame, ski poles pivotally connected with, and movable relative to said mechanism and mounted above and exteriorly to the runners, and adapted to swing in a combination of up-and-down and slanting motions, and a plurality of means for removably securing a figure to the frame, the runners and the ski pole operating mechanism.

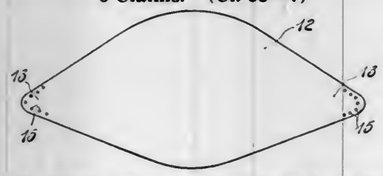
2,248,215
RADIO DIRECTION AND DISTANCE INDICATING SYSTEM
Horace T. Budenbom, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 20, 1940, Serial No. 341,517
8 Claims. (Cl. 250—1)

8. In a navigational system, means for radiating from a known reference point an electromagnetic wave of wave-length exceeding the greatest distance to be determined, means at an observing station for separately receiving the magnetic and the electric components of said wave and means for determining the time-phase relation between the said received magnetic component and the



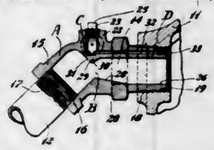
said received electric component whereby an indication of the distance between said reference point and said observing station is obtained.

2,248,216
SPLASH GUARD
Joseph G. Bukoski, Ubly, Mich.
Application October 28, 1940, Serial No. 363,083
3 Claims. (Cl. 53—7)



1. A splash guard for frying pans, comprising a flat sheet formed with reduced end sections, spaced openings in said end sections, and a tie bar detachably engageable in said openings when the sheet is bent to circular shape for holding it in bent position.

2,248,217
TRACK SANDER
George C. Christy, Chicago, Ill.
Application May 24, 1940, Serial No. 337,026
9 Claims. (Cl. 291—11)

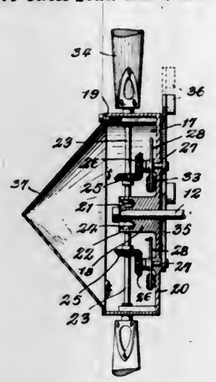


1. In a track sander for a locomotive having a drive wheel and a sand dome or reservoir, the combination with a conveyor pipe line for delivering sand to said wheel, said line having an inlet opening communicating with said dome; of an air jet directed into said pipe line to syphon the sand from said dome; and an air jet inclined downwardly toward the dome communicating with the interior of said pipe line directing the air into said dome through the inlet opening of said pipe line toward the bottom of said dome to agitate the sand therein.

2,248,218
GOVERNED WINDMILL WHEEL
David Daniels, Newark, N. J.
Application April 24, 1939, Serial No. 269,755
1 Claim. (Cl. 170—68)

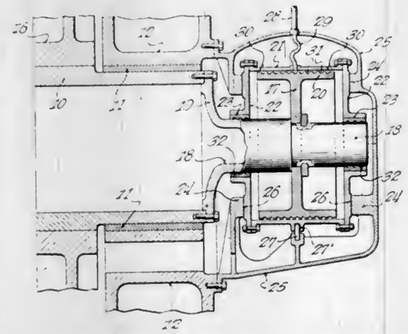
In a feathering wind wheel, an annular casing having a back wall and a circumscribing annular wall, said back wall having a concentric hollow hub, the annular wall and the hub having aligned apertures, a shaft revolubly journaled in each pair of aligned apertures, a

propeller blade on each shaft, exteriorly of the annular wall, a bevelled gear on each shaft, stud shafts oscillatably mounted in the back wall of the casing, and at right angles to the first named shaft, there being one for each propeller shaft, a bevelled gear on each stud shaft in mesh with respective gears of the propeller shafts, a cross arm fixed to each stud shaft and having opposed



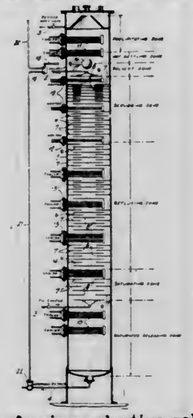
end portions, a tension spring connected to the end portions of the cross arms, the other end of each spring being anchored to the back wall of the casing for maintaining the propeller shafts in normal position, an arm connected to each stud shaft exteriorly of the casing, and weight means on each of the arms for effecting rotation of the stud shafts and propeller shafts.

2,248,219
GEAR STABILIZER
Percy C. Day, Brookfield, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 28, 1938, Serial No. 187,359
4 Claims. (Cl. 74—410)



1. In a gear set the combination of an axially moveable gear-carrying shaft, a liquid filled cylinder member, a piston member coacting with the liquid in said cylinder member for yieldably resisting relative axial movement therebetween, and means engaged with said shaft and with both of said members for maintaining said members coaxial with said shaft in all variations in position of the axis of said shaft, one of said members being axially fixed and the other of said members reacting on said shaft to cushion the latter against sudden axial displacement.

2,248,220
METHOD OF SEPARATING CONSTITUENTS OF MINERAL OILS
Eddie M. Dons and Oswald G. Mauro, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware
Application May 26, 1938, Serial No. 210,192
5 Claims. (Cl. 196—13)



1. In the art of using selective solvents to separate constituents of mineral oils, the method which comprises maintaining in a continuous counterflow system a series of zones including a precipitating zone, a scrubbing zone, a refluxing zone, and a saturating zone, transmitting the selective solvent into said scrubbing zone, introducing the mineral oil into said saturating zone, discharging the approximately saturated extract solution from said saturating zone, discharging the raffinate from said precipitating zone, dividing the intermediate solutions into numerous counterflowing layers contacting with each other in the refluxing and scrubbing zones and causing the layers to flow in intersecting paths, maintaining the saturating zone at a relatively low temperature to permit free saturation of the outgoing solvent with the most degraded components of the oil, maintaining the contacting counterflowing streams in said refluxing zone at higher temperatures which increase in the streams passing from the saturating zone to the scrubbing zone and correspondingly decrease in the streams flowing toward said saturating zone, maintaining the counterflowing streams in the scrubbing zone under prolonged high temperature conditions to provide time for the heated solvent to blend with the oil and dissolve intermediate components, transferring the raffinate stream from the top of said scrubbing zone to said precipitating zone, and maintaining said precipitating zone at a temperature substantially lower than the temperature of said scrubbing zone so as to separate entrained solvent and residual compounds from the outgoing raffinate stream.

2,248,221
PROPELLER BLADE
Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany
Application March 15, 1938, Serial No. 195,948
In Germany March 20, 1937
4 Claims. (Cl. 170—159)

1. A propeller blade consisting of two and only

two major constructional elements: a one piece core member having the shape and configuration of the finished blade and having large openings amounting to at least one-half of the size of said core member and forming a framework com-



prising a central rib, marginal ribs, and a plurality of branch ribs substantially symmetrically branching from both sides of said central rib and extending to said marginal ribs, and skin means of substantially the same size and configuration externally covering said core member.

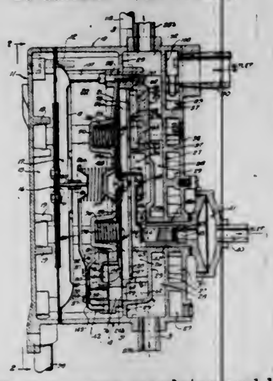
2,248,222

LIQUID GAS CONVERTER AND REGULATOR

Roy F. Ensign, San Marino, Calif., assignor to Ensign Carburetor Co., Ltd., Huntington Park, Calif., a corporation of California

Application May 27, 1938, Serial No. 210,441

16 Claims. (Cl. 257—2)



1. A unitary pressure regulator and heater for vaporizable fluids, comprising a structure having an external peripheral wall and a plurality of internal and substantially parallel transverse dividing walls defining two spaced pressure fluid chambers and a single heating medium chamber between them and separated from each of them by only a single heat conductive wall, all of said chambers being of relatively large dimensions in the transverse directions of said dividing walls and of relatively small dimensions perpendicular thereto; said structure including an inlet for high pressure fluid and an outlet for fluid at low pressure, automatic pressure regulating means acting to admit pressure fluid from the high pressure inlet to one of said fluid chambers and maintain the fluid therein at an intermediate pressure, and automatic pressure regulating means acting to admit fluid from said intermediate pressure chamber to the other fluid chamber and maintain the fluid therein at a low pressure, said low pressure outlet communicating with said low pressure chamber.

8. In a two-stage fluid pressure regulator, having a source of high pressure fluid, regulator means including an actuating diaphragm, for reducing the high fluid pressure to an intermediate pressure, a low pressure chamber, a second pressure regulator means taking fluid at the intermediate pressure and admitting it to the low pressure chamber; the combination of means for applying to the diaphragm of the first mentioned regulator a reference pressure made up of the fluid pressure in the low pressure chamber plus a part of the velocity head of the fluid flowing into that chamber under control of the second mentioned regulator.

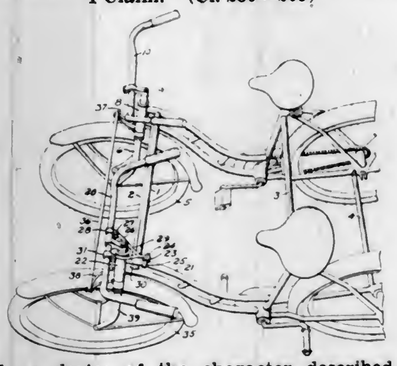
2,248,223

BICYCLE

Pauline Fellman and Milton Fellman, Long Beach, N. Y.

Application December 3, 1940, Serial No. 368,328

1 Claim. (Cl. 280—209)



In a device of the character described the combination of two bicycles rigidly joined together in sidewise relation, each bicycle comprising a frame, a steerable front wheel, a fork supporting said wheel, handlebars, and connections between said fork and said handlebars whereby the latter normally controls the steering of the front wheel; means for connecting the fork of one bicycle to the fork of the other bicycle whereby simultaneous steering movement is imparted to both front wheels, said means comprising a bracket rigidly carried by each fork and whose outermost end extends forwardly and outwardly with respect to the wheel carried by its fork, the outward extent being substantially five-sixths of the forward extent, and a rod whose ends are pivotally mounted in the outermost ends of both brackets; and means for rendering inoperative the steering connections between the handlebars of one bicycle and the fork of its front wheel.

2,248,224

FASTENER

Eric Birger Fernberg, Pinner, England, assignor to Ferntol Patents Limited, London, England

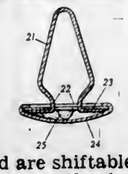
Application April 4, 1939, Serial No. 266,015

In Great Britain April 11, 1938

9 Claims. (Cl. 24—213)

1. A fastener comprising a stud in the form of a single strip of spring metal bent to substantially U form by bending in one plane only, the limbs of the U being converged to form a neck portion and the ends of the limbs being outward-

ly turned to form a pair of feet, a washer encircling said neck portion, a cup housing said feet and washer, and means providing clearance space between said washer and cup within which



the feet of the stud are shiftable relatively to the cup whereby to render the latter self-aligning with respect to the surface to which the fastener is secured.

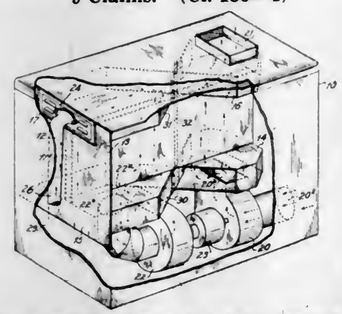
2,248,225

DEHUMIDIFIER

Bayard P. Fonda, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio

Application August 27, 1937, Serial No. 161,295

9 Claims. (Cl. 183—4)



1. In a dehumidifier, a casing, two compartments arranged side by side in said casing spaced from the top and bottom of the casing, two fans mounted in said casing below said compartments, means for driving said fans, said casing above the compartments having an outlet for dehumidified air and an intake for reactivating air, means for connecting the exhaust from one fan to discharge into either one of said compartments and for connecting the intake to the other fan to withdraw air from the remaining compartment, two four-way valves in the casing one above and one below said compartments for interchanging said fan connections at the bottom and said intake and outlet connections at the top, and means connecting said valves together for simultaneous operation.

4. In combination, a dehumidifier for supplying air to a space to be conditioned, dehumidifying and reactivating means operating in cycles, an electric timer for determining the length of said cycles, a source of current supply, a switch for controlling the energization of the timer, a humidostat for controlling said switch, said humidostat being located in the space to be conditioned and means actuated by the timer for disabling said humidostat control except at the end of a cycle.

2,248,226

NUT LOCKING DEVICE

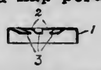
Walter Friedrich, Aue, Saxony, Germany

Application September 6, 1938, Serial No. 228,579

In Germany September 6, 1937

6 Claims. (Cl. 151—14)

1. A nut locking device made of sheet metal and having a plane annular portion, a plurality of flap portions extending radially inward from and being positioned in substantially the same plane as said annular portion, other flap portions extending radially inward from said annular portion and being interspersed between said first mentioned flap portions and being in-



clined with respect to the plane of said annular portion and to said first mentioned flap portions, all said flap portions having inner edges disposed on an imaginary cylinder having an axis disposed rectangularly to and coaxially with said annular portion, and said inner edges being adapted to engage the threads of a threaded bolt member.

2,248,227

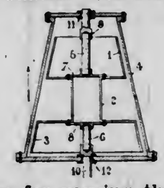
TUNED CIRCUIT

Pierre Gantet, Courbevoie, France

Application January 18, 1939, Serial No. 251,615

In France January 27, 1938

6 Claims. (Cl. 178—44)



1. Apparatus for varying the electrical characteristics of an oscillating circuit comprising, an electrode providing a casing and having a conical portion, an electrode arranged coaxially within the casing, said inner electrode including two electrically conductive members spaced from said casing to provide capacitative couplings between the casing and each electrically conductive member, one of said members having a conical portion arranged adjacent the conical portion of the casing, means electrically connecting said members, means insulating said inner electrode with respect to the casing and supporting the inner electrode for axial movement with respect to the other electrode.

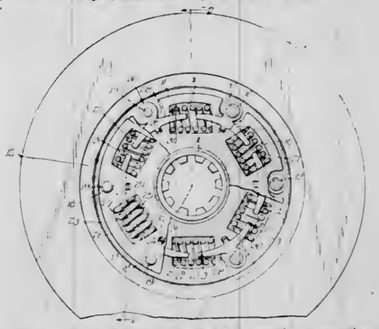
2,248,228

CLUTCH PLATE

George I. Goodwin, Detroit, Mich.

Application November 17, 1939, Serial No. 304,937

10 Claims. (Cl. 192—68)



1. In a clutch plate of the spring center type, a hub having a radial flange provided with circumferentially spaced spring openings, a cen-

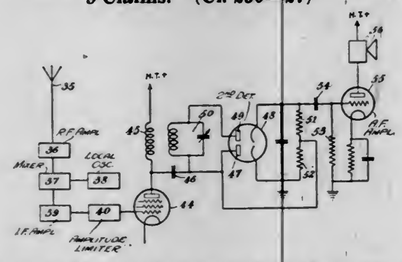
trally apertured friction disk rotatably mounted on the hub at one side of the flange, a side plate rotatably mounted on the hub at the other side of the flange, circumferentially spaced separators rigidly connecting the disk and side plate, said disk and side plate being provided with spring openings in register with the spring openings in the flange, axially compressible spring members positioned in the openings in engagement with the ends of the latter for yieldingly resisting rotary movement of the disk and side plate relative to the flange, and retainers for the spring means mounted on the separators with terminal portions of the retainers extending into guiding association with the spring means.

2,248,229

FREQUENCY CONTROLLING SYSTEM

Eric Alfred Green, Southall, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application December 28, 1939, Serial No. 311,312
In Great Britain October 21, 1938
5 Claims. (Cl. 250—27)



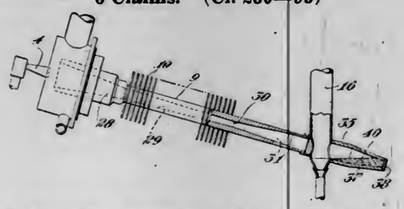
4. In combination, in a modulated carrier system, a resonant input circuit tuned to a frequency different from a predetermined desired carrier frequency, a pair of diodes, a resistive path connecting the cathodes of the diodes, one end of the path being at a fixed alternating potential, an output connection to the opposite end of said resistive path, means connecting the diode anodes to opposite sides of said input circuit, and a connection between an intermediate point on the resistive path and one of the diode anodes.

2,248,230

ASPIRATOR ASSEMBLY

Russell A. Gulick, Winthrop, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island

Application December 1, 1937, Serial No. 177,489
6 Claims. (Cl. 230—95)



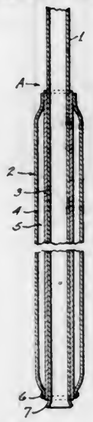
1. Aspirator assembly of the class described comprising a nozzle, a compression funnel having a downwardly extending outlet portion, a pipe extending at an angle to said portion to receive vapor therefrom, and a short tube terminating in a closed end, said tube being aligned with the outlet portion of the funnel, said tube having an inwardly tapered wall and forming a liquid-containing pocket, whereby particles leaving the outlet at high velocity either directly impinge on the liquid or are deflected by the wall to pass into the liquid.

2,248,231

SIPPER

Francis C. Hamilton, Columbia, Ill., assignor of one-half to L. Ray Schuessler, St. Louis, Mo.

Application October 12, 1940, Serial No. 360,957
9 Claims. (Cl. 299—17)



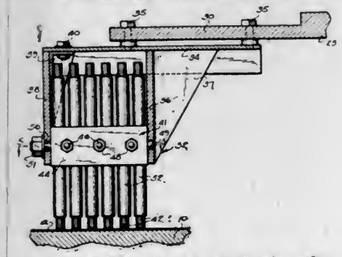
1. A sipper including a main sipper portion comprising a tubular element open from end to end, and a jacket portion surrounding said main sipper portion, said jacket portion being supported by said main sipper portion for sliding movement longitudinally of said main sipper portion and to a position where it extends beyond an end thereof to increase the effective length of the sipper, said jacket portion including as parts of its unitary structure laterally spaced portions which provide therebetween a space in which air is confined.

2,248,232

APPARATUS FOR REMOVING PLASTER FROM PLATE GLASS SURFACING TABLES

James G. Haworth, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application July 31, 1939, Serial No. 287,472
6 Claims. (Cl. 15—180)



1. Apparatus for cleaning plaster from plate glass surfacing tables, comprising a support mounted for rotation about a vertical axis, a block carried by said support and including a plurality of substantially parallel clamping plates secured together, means associated with said

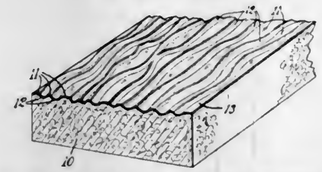
block and support to permit inversion of the block on the support, and abrading elements consisting of sections of wire cable vertically clamped between said clamping plates and projecting above and beneath the same.

2,248,233

SURFACED WALLBOARD AND THE LIKE

Clark C. Heritage, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware

Application September 10, 1938, Serial No. 229,253
1 Claim. (Cl. 20—91)



As an article of manufacture wallboard comprising a yieldable fibrous panel formed substantially entirely of fibrous material, having an applied finishing coating material exposed at the surface thereof providing a continuous surface layer of the type tending normally to pull a flat-surfaced coated board into a warped form, the finished surface of the board being irregular, being free from a planar area extending continuously across the surface of the panel, and being free from any continuous surface formed of parallel straight-line elements extending across the panel, a cross-section of the panel exhibiting an irregular contour line of hills and valleys at said finished surface, said hills and valleys tending to flatten and thereby providing satisfaction of the pulling force, whereby the force is not applied to warp the panel.

2,248,234

INDIVIDUAL MILK BOTTLE CARRIER

Wenona Hickman and Laura Cossey, Danville, Ill.

Application February 29, 1940, Serial No. 321,564
9 Claims. (Cl. 215—100)



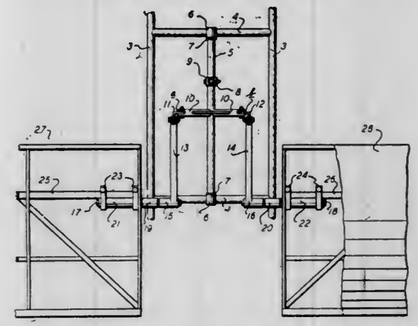
4. A device of the class described comprising a carrying member having its intermediate portion provided with means for engagement with the neck of a bottle and its opposite ends formed with interengaging converging walls terminating in gripping portions, there being a finger-receiving opening formed in one of said converging walls, a locking tab carried by the other wall and adapted to extend through said opening, and a transversely split flap disposed at one side of the carrier in overlapping relation to said intermediate portion and adapted to engage the neck of said bottle.

2,248,235

AIRPLANE CONSTRUCTION

Lillian Holden and Cassell De Hibbs, Fort Worth, Tex., assignors of one-third to McKinney G. Davis, Fort Worth, Tex.

Application April 18, 1938, Serial No. 202,644
2 Claims. (Cl. 244—83)



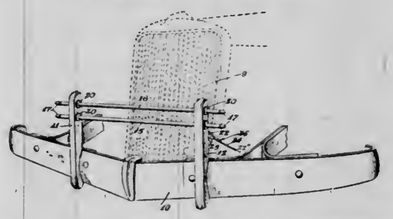
1. In a control mechanism for airplanes having a fuselage and a pair of wings adapted to pivot and function as allerons and extending from each side of the said fuselage and having shafts forming pivotal connections therewith; a pair of levers rigidly connected to the said shafts and extending substantially at right angles thereto, a joy stick mounted on an axle substantially parallel to the plane of motion of the said levers, control arms fixed to the said axle and extending to adjacent the ends of the said levers, angle links having one leg loosely pivotally connected to each of the said levers by a pin hinge and their opposite legs pivotally connected to the said arms whereby the incidence of the said wings are conversely changed by a limited movement of the said joy stick, governed by said pivotal looseness.

2,248,236

ANTENNA GRILLE GUARD

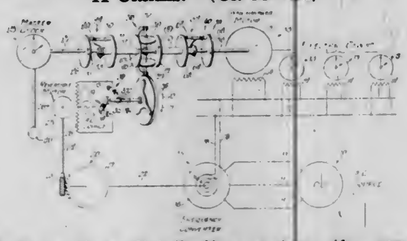
Abraham Hollins and Jesse Hollins, Brooklyn, N. Y.

Application June 30, 1939, Serial No. 282,188
6 Claims. (Cl. 250—33)



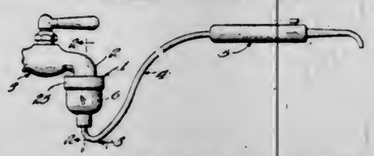
1. An antenna for a vehicle comprising a plurality of cross-bars, a pair of metallic upright members for supporting said cross-bars horizontally, insulation bushings separating said cross-bars from said members, a connection strap electrically joining said cross-bars, a lead-in connection from said cross-bars for a radio receiver, whereby said cross-bars are electrically connectible to said receiver and electrically isolated from the framework of said vehicle.

2,248,237
ELECTRIC CLOCK SYSTEM
Frederick C. Holtz, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application July 2, 1938, Serial No. 217,298
11 Claims. (Cl. 58—24)



3. In a time distributing system, the combination with a commercial alternating current source of an electric clock circuit adapted to have a plurality of electric clocks connected thereto, frequency transfer means interconnecting said commercial alternating current source and said electric clock circuit, master clock means, and differential means controlled by said master clock means and in accordance with the frequency of said electric clock circuit for regulating the operation of said frequency transfer means in such manner as to apply a frequency to said electric clock circuit that is higher than the frequency of said commercial alternating current source in the event that the same is lower than a given frequency and to apply a frequency to said electric clock circuit that is lower than the frequency of said commercial alternating current source in the event that the same is higher than said given frequency.

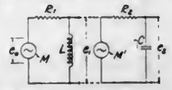
2,248,238
CONNECTOR
William J. Hooper, Elsah, Ill., assignor of one-half to Harold A. Hooper, Chicago, Ill.
Application October 7, 1939, Serial No. 298,483
5 Claims. (Cl. 285—90)



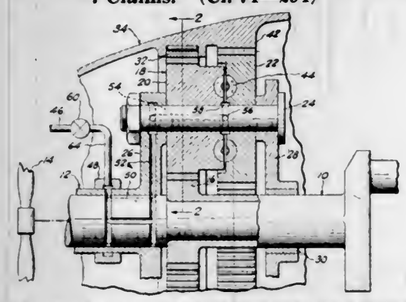
1. A connector adapted to be mounted upon the discharge nozzle of a faucet, comprising a cup-shaped member, a ring encompassing said member and in which said member is rotated, a barrel threaded in said member for longitudinal movement, a sleeve threaded in said barrel, a pair of clamping claws freely pivoted upon the upper end of the sleeve and adapted to anchor and retain the connector in the nozzle, means for adjusting the sleeve whereby to spread the claws into anchoring position or to retract them for detachment of the connector, and a washer carried in the ring and adapted to provide a fluid-tight seal with the end of the nozzle.

2,248,239
PHASE SHIFTING NETWORK
Kenneth W. Jarvis, Winnetka, Ill.
Application August 15, 1938, Serial No. 225,021
13 Claims. (Cl. 178—44)

1. In the transmission of signal voltages in a band of frequencies, the process of obtaining a frequency-independent phase shift of constant magnitude throughout the band which comprises impressing the signal voltages on two circuits containing reactances of opposite character and of opposite algebraic sign, thereby to produce two voltage components with phase shifts that each vary with frequency and at the same rate, and combining the two phase-shifted voltage components to produce an output voltage having a phase shift of constant magnitude.



2,248,240
VARIABLE RATIO GEAR
Alexander H. King, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 21, 1940, Serial No. 320,031
7 Claims. (Cl. 74—294)

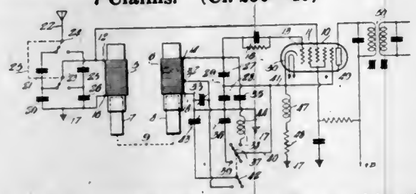


1. In a change speed planetary gear drive, a driving member, a driven member, a drive gear on said driving member, a cage on said driven member, a plurality of pinion gears carried by said cage and meshing with said drive gear, a reaction gear meshing with said pinion gears, a gear element concentric with each pinion gear, a second reaction gear meshing with said gear elements, said gear elements and said second reaction gear providing a different gear ratio than said pinion gears and said first mentioned reaction gear, a fluid clutch between each pinion gear and the respective concentric gear elements, means for supplying hydraulic fluid to said clutches, and means restraining said first mentioned reaction gear against rotation in one direction while permitting free rotation thereof in the opposite direction.

2,248,241
METHOD OF PREPARING ALKALOIDS FROM KOTO-TSUZURAFUJI (STEPHANIA SASAKII, HAYATA)
Heisaburo Kondo, Shibuya-ku, and Shuji Hasegawa, Ebara-ku, Tokyo, Japan
No Drawing. Application June 4, 1940, Serial No. 338,740
1 Claim. (Cl. 260—236)

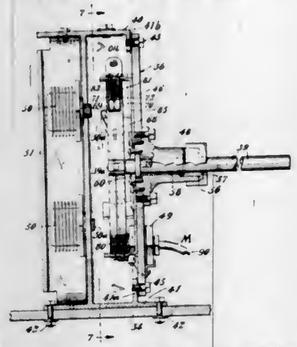
The method of preparing alkaloids from "Koto-tsuzurafuji" (*Stephania sasakii*, Hayata) which consists in extracting the rhizoma of "Koto-tsuzurafuji" with alcohol, lixiviating the extract with HCl to dissolve the base in HCl, rendering the hydrochloric solution alkaline with ammonia, extracting the thus separated base with ether, removing the ether, dissolving the resulting crude alkaloid in HCl, alkalizing with caustic soda, extracting the resulting precipitate with ether, removing the ether from the ether extract, dissolving the resulting non-phenolic bases in acetone with addition of a benzene compound of the group consisting of benzene and toluene and allowing to stand until the addition product of cepharanthine and benzene compound separates.

2,248,242
RADIO TUNING SYSTEM
Vernon D. Landon, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 2, 1940, Serial No. 312,072
7 Claims. (Cl. 250—40)



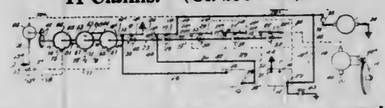
1. In a radio tuning system, the combination of two tunable signal circuits each comprising an inductance winding, similar magnetic tuning cores for said windings adapted to enter one end of each winding and to move therethrough, thereby to provide variable tuning of said circuits, uni-control means for moving said cores conjointly in predetermined relation to each other, thereby to cause tracking in the tuning of said circuits, and a capacitor connected in shunt with a portion of at least one of said windings adjacent the entering end thereof with respect to the core movement to improve the tracking of said circuits in a predetermined portion of the tuning range of said system.

2,248,243
SUBMARINE APPARATUS
Chester S. Lawton, Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application February 11, 1938, Serial No. 189,972
9 Claims. (Cl. 61—72)



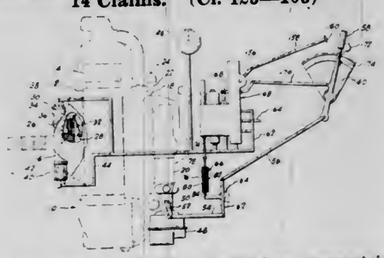
1. In submarine apparatus comprising a device enclosed in a casing for operation under water in the ocean or other body of deep water, and in which the casing itself is insufficient to withstand the hydrostatic pressures encountered when operating in deep water; means for automatically counteracting the hydrostatic pressure of the water on the outside of the casing, said means comprising bellows structure in communication with the interior of the casing with a wall portion of the bellows structure subject to the hydrostatic pressure of the water, said casing and bellows structure being filled with a substantially incompressible fluid, said bellows structure being collapsible by the hydrostatic pressure of the water to an extent sufficient to increase the pressure on the fluid in the casing and cause the fluid to substantially neutralize the hydrostatic pressure of the water on the casing, said casing and bellows structure being sealed so as to cause the amount of fluid contained therein to remain constant irrespective of the extent to which the bellows structure is collapsed due to the pressure exerted thereon by the water on the outside of the casing said bellows structure in operation being collapsible solely by the hydrostatic pressure of the water in which said device is working.

2,248,244
ENGINE CRANKING SYSTEM
Bennett M. Leece, Shaker Heights, Ohio, assignor to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application November 18, 1939, Serial No. 305,141
11 Claims. (Cl. 290—36)



1. In an engine cranking system, a cranking motor, current supply means having terminals affording a relatively low voltage for initially energizing the cranking motor and a higher voltage for carrying out the cranking operation, circuit connections between said terminals and cranking motor including a plurality of switches for controlling such connections and the energization of the cranking motor at said low and higher voltages in succession, motor-driven means for causing timed actuation of said switches, circuit connections for the motor of said motor-driven means, manually operable switch means in the last-mentioned circuit connections for starting said motor-driven means, and automatically actuated switch means in said last-mentioned circuit connections for stopping said motor-driven means after predetermined operation thereof.

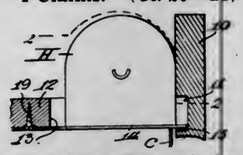
2,248,245
ENGINE TORQUE REGULATING DEVICE
Albert Lewis MacClain, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 16, 1939, Serial No. 304,869
14 Claims. (Cl. 123—103)



1. An engine torque regulator comprising, a reversible motor adapted to move an engine power controlling instrumentality, means responsive to the torque developed by said engine for control-

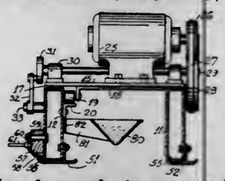
ling said reversible motor, means operatively associated with said motor controlling means manually adjustable to a selected torque setting to render said torque control operative to maintain the engine torque constant at a selected value, and automatic means also responsive to the torque developed by said engine acting independently of said first mentioned torque responsive means to control said motor to limit the maximum torque developed by said engine to a preselected value.

2,248,246
OVERHEAD SPRING SASH BALANCE
Royal R. Moss and George B. Knapp, Los Angeles, Calif., assignors to Nelle Frances Kersting, Los Angeles, Calif.
Application June 7, 1939, Serial No. 277,766
4 Claims. (Cl. 20—11)



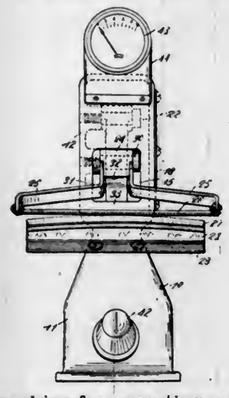
1. The combination with a window frame jamb and lintel, said jamb being mortised for the accommodation of the end of said lintel, said lintel being provided with an opening adjacent said jamb, and an anchor plate positioned on the shoulder at the lower end of the mortise in the jamb, which anchor plate is provided in its upper surface with a recess, of a spring sash balance including a housing and face plate, which housing projects upwardly through the opening in the lintel with the face plate positioned against the under face of said lintel, means for securing the inner end of said face plate to the lintel and the other end of said face plate projecting beyond the housing and resting on said anchor plate in said recess.

2,248,247
SCREEDING AND FLOATING MACHINE FOR CEMENT FLOORS
Harry H. Nichols, Jackson Heights, N. Y.
Application November 18, 1939, Serial No. 305,077
6 Claims. (Cl. 94—45)



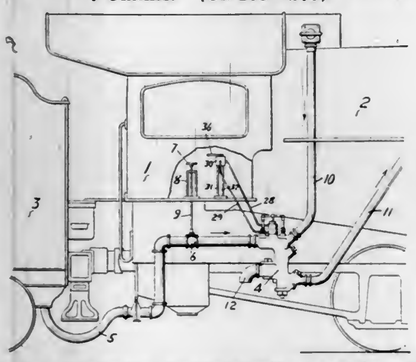
1. A machine for surfacing concrete floors with dry mix concrete comprising a first frame member moved on the floor on screeds, a second frame member, parallel with the first member and pivotally connected thereto and having a free reciprocating motion with relation to the first member, a motor secured to the first frame member and movably supported by the second frame member, means connecting said motor with the second member to reciprocate the second member, shoes provided for said members to slide on the screeds, an inclined member projecting upwardly and forwardly from the shoe on the reciprocating member, a parallel row of teeth projecting from said inclined member above the floor level into the dry mix concrete to separate the portion of the mix above the teeth from a predetermined portion below the teeth to enable the predetermined mix in front of the inclined portion to pass under and be compacted by the shoe of the reciprocating member as the machine is moved forward on the floor against the concrete mix.

2,248,248
BAG SEALING MACHINE
Norman H. Nye and Ralph L. Penn, Cuyahoga Falls, and Ralph W. Penn, Akron, Ohio, assignors of one-fourth to Edwin J. McIlvried, Stow, Ohio
Application August 24, 1938, Serial No. 226,564
5 Claims. (Cl. 226—56)



3. In a machine for operating on thin thermoplastic sheet material and the like, a pair of cooperating elements arranged for relative movement for applying pressure against opposite sides of the sheet material, one element being an elongated work support having a work engaging surface convexly curved lengthwise of the support and the other element being a resiliently tensioned wire adapted to be electrically heated.

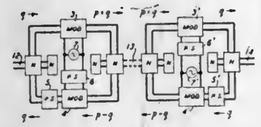
2,248,249
INJECTOR
Irenee P. Pedrick, Philadelphia, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application July 12, 1940, Serial No. 345,073
7 Claims. (Cl. 103—270)



1. In an injector, in combination, a water valve and a steam valve arranged to open in the same directions respectively against water pressure and against steam pressure higher than the water

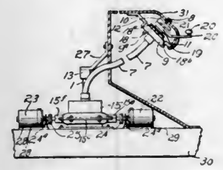
pressure, stems for said valves, a cross-head pivotally connected to said valve stems, means connected to said cross-head and adapted to move it on its connection with the stem of the steam valve, when the steam valve is closed, to fully open the water valve and subsequently, when the water valve is open, on its connection with the stem of the water valve to open the steam valve, the water valve being arranged to have a stroke of greater extent in its opening and closing movement than that of the steam valve in its opening and closing movement, whereby closing of said water valve in the opening movement of the steam valve will be avoided.

2,248,250
SINGLE SIDE-BAND MODULATION
Eugene Peterson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 21, 1939, Serial No. 295,895
5 Claims. (Cl. 178—44)



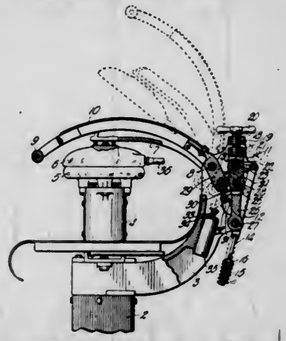
1. A bilaterally conducting single side-band modulation circuit comprising a pair of bilaterally conducting modulators, a two-way low frequency circuit coupled to one side of each modulator, a two-way high frequency circuit coupled to the opposite side of each modulator, a carrier wave supply circuit coupled to each modulator, said modulators each producing a pair of side-bands representing modulation products between said carrier wave and a wave supplied from either of said two-way circuits, and phase shifters included in certain of said circuits for causing one side-band of each pair to cancel each other and the opposite side-band of each pair to be superposed to give the resultant output side-band.

2,248,251
AUTOMOBILE STEERING APPARATUS
Glenn S. Reeves, San Diego, Calif.
Application April 14, 1939, Serial No. 267,863
6 Claims. (Cl. 180—79.1)



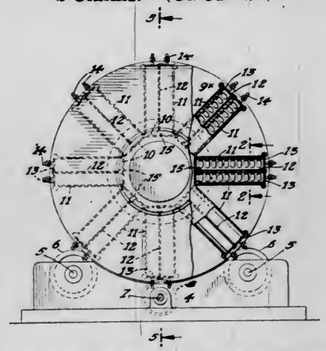
1. In an automobile steering apparatus of the class described, the combination with the steering mechanism of an automobile including a pitman arm, of a steering column shaft operably connected with said pitman arm, a worm gear secured to said shaft, a worm pinion meshing therewith, a motor operably connected with said worm pinion, a rheostat for controlling the operation of said motor, and a light circuit in cooperation with said motor including a switch means on the shaft of said motor.

2,248,252
PRESS MACHINE
George V. Rhodes, Memphis, Tenn., and Raymond J. Gabler, Kansas City, Mo., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application May 6, 1939, Serial No. 272,188
2 Claims. (Cl. 38—36)



1. In a pressing machine, a frame, a buck supported by said frame, a lever pivoted intermediate its ends to said frame around a stationary pivot pin, one arm of said lever carrying a pressing head, the other arm of said lever extending rearwardly of said frame, a first link pivoted to said second arm, a second link pivoted to said first link at one of its ends by a movable pivot pin and to said frame at its other end, said first and second links forming a toggle linkage, an operating lever pivoted intermediate its ends at said stationary pivot pin, an operating handle carried by one arm of said operating lever, a link connecting the other arm of said operating lever to said movable pivot pin whereby movement of said operating lever around said stationary pin will move said movable pivot pin to operate said toggle linkage to actuate said head.

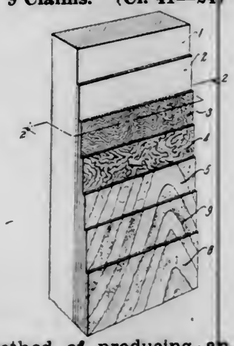
2,248,253
METHOD FOR MANUFACTURING CELLULOSE DIPPED ARTICLES
Benjamin Schachter, New York, N. Y.
Application August 5, 1938, Serial No. 223,221
2 Claims. (Cl. 34—21)



1. A method of manufacturing cellulose dipped articles, which comprises placing forms coated with cellulose solution in a closed chamber until the evolved solvent vapors accumulate about the coatings, rotating the form during the evolution of the solvent vapors, and withdrawing the vapors by a plurality of vapor-exhausting steps,

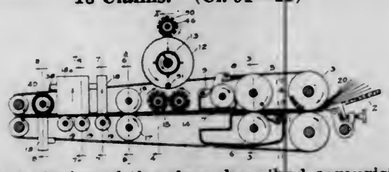
in the absence of the introduction of air into the closed chamber in said plurality of vapor exhausting steps.

2,248,254
ORNAMENTAL FINISH AND METHOD OF MAKING THE SAME
Frederick M. Small, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware
Application March 16, 1939, Serial No. 262,276
9 Claims. (Cl. 41—24)



7. The method of producing an ornamental finish on an article which comprises applying to an article a coating of a composition containing a wrinkling oil which when dried produces a wrinkled surface, applying a ground coat of the color of the background of the pattern to be imitated on said wrinkled coat, applying a design coat corresponding to said pattern on said ground coat, and applying a protective coating to said design coating.

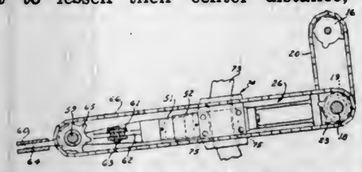
2,248,255
MACHINE FOR APPLYING AND DRYING ADHESIVE
Edwin G. Staude, Minneapolis, Minn.
Original application April 9, 1938, Serial No. 201,045. Divided and this application August 3, 1939, Serial No. 288,102
18 Claims. (Cl. 91—18)



17. A device of the class described comprising, means for feeding a blank, means for applying liquid adhesive to the blank, means for applying dry adhesive to the liquid adhesive to quickly dry and increase the total amount of adhesive, and means for pressing the dry adhesive powder into the liquid adhesive to hasten and make more thorough the mixing action.

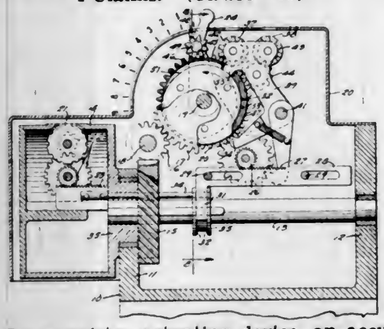
2,248,256
FLEXIBLE DRIVE
Henry J. Stegeman, Fairfield, Conn., assignor to The Locke Steel Chain Company, Bridgeport, Conn., a corporation of Connecticut
Application July 2, 1940, Serial No. 343,633
15 Claims. (Cl. 74—228)

15. In combination, a pair of substantially parallel shafts, and endless driving means driving one of said shafts from the other thereof, means mounting said shafts for relative bodily movement to lessen their center distance, means



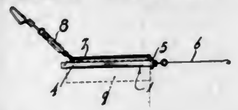
mounting one of said shafts for tilting movement, and means positively controlling said relative bodily movement on said tilting movement taking place.

2,248,257
REGISTER ACTUATING DEVICE
Linden A. Thatcher, Stamford, Conn., assignor to Pitney-Bowes Postage Meter Company, Stamford, Conn., a corporation of Delaware
Application September 29, 1939, Serial No. 297,094
4 Claims. (Cl. 235—79)



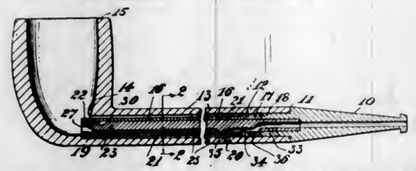
1. In a register actuating device, an accumulator including a toothed wheel, a rotatable toothed actuator, a transmission gear normally engaging the toothed wheel, manually settable toothed means engaging both the transmission gear and actuator when setting a value, cyclically operable means to drive the actuator and thereby effect the immediate drive of the accumulator toothed wheel, and means to disengage the accumulator from the transmission gear at a predetermined point in the cycle of said drive means and after the set value has been registered in said accumulator.

2,248,258
RELEASABLE CASTING WEIGHT
Harry W. Waldbillig, Long Beach, Calif.
Application January 6, 1940, Serial No. 312,708
7 Claims. (Cl. 43—52)



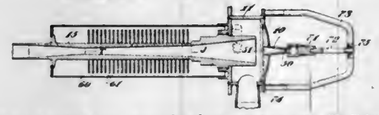
1. A releasable casting weight comprising a bar, a weight slidably mounted on said bar, said weight being free to slip off of the bar when the bar is tilted, means on one end of the bar to receive a hook line, and means on the other end of the bar to receive a pole line, said means to receive a pole line being slidably mounted relative to the bar.

2,248,259
SMOKER'S PIPE
Jesse T. White, Holmes, N. Y.
Application August 10, 1939, Serial No. 289,347
4 Claims. (Cl. 131—198)



1. A smoker's pipe having a bowl in which tobacco burns, a hollow stem ending in a mouthpiece, a tube within the hollow stem to form an annular channel around said tube, an annular boss supporting the tube at the mouthpiece, a second annular boss at the bowl adapted to let air pass from the annular channel in the stem into the bowl, and a core removably slidable in the tube and providing a channel for leading smoke out of the bowl towards the mouthpiece, a second channel leading back to near the bowl, and a third channel leading to the mouthpiece.

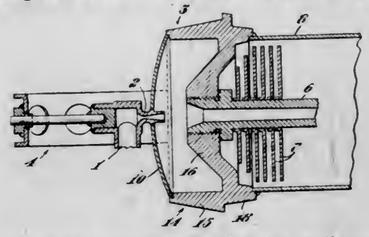
2,248,260
REFRIGERATION APPARATUS
Lyman F. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application December 2, 1937, Serial No. 177,749
6 Claims. (Cl. 230—95)



1. An aspirator employing mercury vapor as a propellant for pumping refrigerant vapor from an evaporator to a condenser, comprising a mixing chamber having a connection to receive vapor from the evaporator, a funnel having an inlet end communicating with the mixing chamber and having an outlet end from which vapor may pass, and a mercury-vapor nozzle communicating with the mixing chamber in axial alignment with the inlet end of the funnel, a jacket surrounding the funnel, the funnel being joined to the surrounding wall of the mixing chamber which wall slopes inwardly toward the nozzle to provide a re-entrant end of the jacket surrounded by the mixing chamber, so that the entrant end of the funnel may be cooled with a circulating cooling medium.

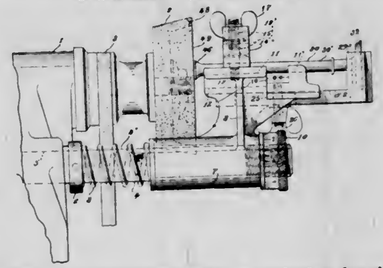
2,248,261
ASPIRATOR AND METHOD OF MAKING THE SAME
William E. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application November 25, 1939, Serial No. 306,058
4 Claims. (Cl. 230—95)

1. An aspirator comprising a nozzle, a funnel aligned with the nozzle, a mixing chamber between the funnel and nozzle and connected thereto, said mixing chamber having a head through which the nozzle may supply propellant vapor, said mixing chamber also having an inner end wall and an outer annular wall both provided by a single forging, the inner end wall providing a central opening where the funnel is connected thereto and being beveled about said opening, the forging being characterized by metal-grain structure preponderantly parallel-



ing the inner surfaces of adjoining wall portions, and being substantially free of pores and flow lines extending transversely to said surfaces.

2,248,262
GRINDING VALVE STEMS AND TAPPETS
Glenn C. Wilhide, Towson, Md., assignor to The Black & Decker Manufacturing Company, a corporation of Maryland
Application August 9, 1938, Serial No. 223,845
3 Claims. (Cl. 51—124)

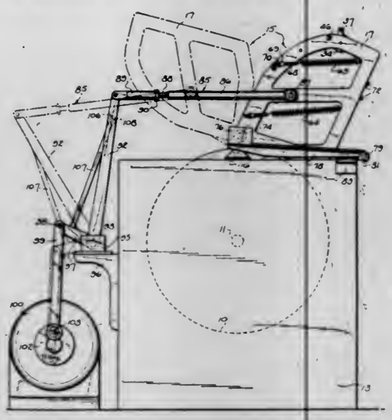


1. The combination with a grinder having a wheel with a substantially flat grinding plane, and a carriage mounted to move on a path parallel to said plane and having a valve stem seat extending in a direction normal to said plane and adapted to hold a valve stem disposed normally to said plane the said carriage having a second seat parallel to said first seat and of greater diameter and adapted to receive a valve tappet in grinding position as to said wheel and a transverse clamping bar extending across both seats intermediately of their lengths and a clamping screw for said bar between said seats.

2,248,263
EDGE GRINDING MACHINE
Carl B. Williams, Jr., Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 31, 1939, Serial No. 276,570
9 Claims. (Cl. 51—100)

1. In a machine for grinding the curved edge of a sheet or plate of glass or the like, a rotary grinding wheel positioned to rotate about a substantially horizontal axis, a work holder positioned above said wheel for supporting the sheet to be ground on edge in a substantially vertical position, substantially horizontal supporting arms pivotally associated at their inner ends with the work holder adjacent the lower end thereof and upon which said work holder is rockably mounted, means for pivotally mounting said supporting arms at the opposite ends thereof so that the said work holder is capable of free vertical movement, means independent of said supporting arms and pivotally connected with said work holder

above the said supporting arms for rocking said work holder to move the curved edge of the sheet to be ground over and in engagement with said



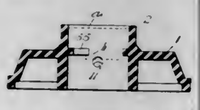
grinding wheel, and cam means for supporting said work holder during the rocking movement thereof and for controlling the contour ground upon the curved edge of said sheet.

2,248,264

FILLING AND VENTING STRUCTURE

Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

Application July 16, 1938, Serial No. 219,606
2 Claims. (Cl. 136—178)



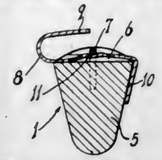
1. In a filling and venting structure for the cover of a battery cell containing electrolyte, tubular walls defining a filling and venting passage through the cover and extending below the under surface of the cover to the desired electrolyte level, a vent opening through said tubular wall below said under surface, circumferentially interrupted projections from the internal wall of the passage located between the upper and lower ends of said passage, a perforated valve member arranged for axial travel within said passage and adapted to cover nd uncover the vent opening, said valve member having a perforation therethrough communicating with the top and bottom of said filling and venting passage, said valve member also having pockets in its external vertical walls adapted to receive said projections and of dimensions to permit both rotation and axial travel of the valve member, openings from the pockets through the horizontal surface of the valve member to permit bayonet lock engagement between the valve member and the projections, pins adapted for insertion in the openings and pockets to limit rotation of the valve member after assembly, and a vent plug adapted to engage the valve member to uncover the vent opening and to release the valve member to drop by gravity to the vent-covering position and having vents therethrough communicating with the perforation in said valve member to receive gases from the cell through the valve member.

2,248,265

WHEEL BALANCING WEIGHT

William F. Wright, Santa Monica, Calif.

Application January 27, 1941, Serial No. 376,164
6 Claims. (Cl. 301—5)



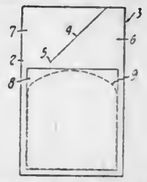
1. A wheel balance weight comprising a weight body, a wheel rim engaging clip, a wire imbedded in the weight body, said clip being held between the weight body and the wire.

2,248,266

PACKAGE

William C. Abrams, New York, N. Y.

Application September 25, 1939, Serial No. 296,436
1 Claim. (Cl. 206—56)



A package comprising opposed sheets of "Pliofilm"; one of the corresponding opposed margins of said sheets being bonded together and the remaining corresponding edges of said sheets being secured together to form a container portion inwardly of said margins and said free edges; the margins so bonded together being generally rectangular providing a substantially rectangular tab projecting from one side of said container portion; one of two opposite edges of said tab extending along and adjacent said one side, and the other of said two opposite edges being free and spaced outwardly of said one side and substantially parallel therewith; both of the sheets forming said tab being cut through from said free edge along a line extending generally diagonally across said tab at about an angle of 45° relative to the edge extending along said one side forming a slit in said tab; the inner end of said slit terminating at a point within the confines of said tab adjacent one end of the edge extending along said one side and adjacent said latter edge the direction of said slit being such that a longitudinal continuation of said slit intersects said edge thereby providing substantially sized separate tab portions at opposite sides of said slit respectively adapted to be firmly gripped between the thumb and forefinger of a hand to facilitate tearing said sheets generally in direction in longitudinal continuation of said slit across a limited part of said portion adjacent said point and to, at the same time, completely remove one of said tab portions from the container portion.

2,248,267

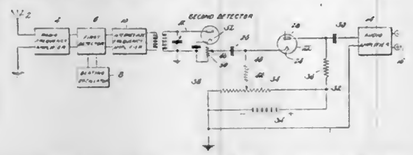
VOLTAGE LIMITER

Dana Howland Bacon, Arlington, Mass., assignor to National Company, Inc., Malden, Mass., a corporation of Massachusetts

Application April 4, 1939, Serial No. 265,908
11 Claims. (Cl. 250—20)

2. A static eliminator having, in combination

with a receiving system provided with a signal-receiving portion and a signal-delivering portion, a tube having a cathode and an anode and connected with the receiving system so that signals received by the signal-receiving portion shall be transmitted through the tube in the direction from the cathode towards the anode for a positive half wave and from the anode towards the



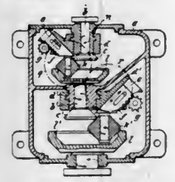
cathode for a negative half wave to the signal-delivering portion, means for maintaining the anode positive with respect to the cathode to a degree less than the voltage corresponding to the static to be eliminated from the signals, and means for maintaining the said degree independent of the average magnitudes of the signals.

2,248,268

FRICTION SPEED-CHANGE GEARING

Kurt Bär, Freital-Dresden, Germany, assignor to Firma Sächsische Armaturen Fabrik W. Michalk & Sohn, Freital-Dresden, Germany

Application August 2, 1940, Serial No. 349,702
In Germany May 16, 1939
8 Claims. (Cl. 74—191)



1. A friction change-speed gearing comprising a rotatable driving wheel member, a rotatable driven wheel member, means rotatably supporting said wheel members eccentrically with respect to each other, a rotatable intermediate transmission member having opposed friction surfaces, one of the friction surfaces co-acting with the exterior of the driving wheel member and the other surface co-acting with the interior of the driven wheel member, means for adjusting the intermediate transmission member with respect to the two wheel members, and means mounting the transmission member for rocking movement eccentrically about the axis of one of said wheel members.

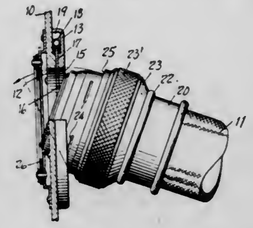
2,248,269

COUPLING

Tord Erik Daniel Bilde, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application March 11, 1939, Serial No. 261,232
In Sweden March 12, 1938
2 Claims. (Cl. 285—169)

1. In a releasable coupling for securing two telescoping hollow fluid conveying elements together, means forming a plurality of spaces angularly disposed around one of said elements and opening toward the other of said elements, radially movable members disposed in said spaces, and projectable through said openings, and resilient means for projecting the members through the openings, said other element being formed with angularly spaced recesses for receiving said members when the members and recesses are in alignment, the surface of said other element between said recesses being inclined with respect



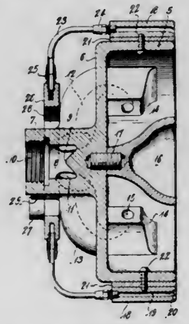
to the direction of movement of said members, whereby when said elements are turned to bring said members out of alignment with said recesses, the members contact said inclined surface and under the influence of said resilient means tend to separate said element axially.

2,248,270

FIRE EXTINGUISHING METHOD

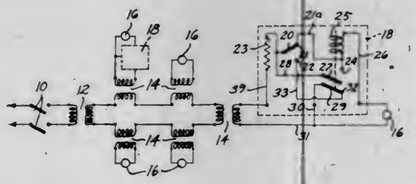
Eric Geertz, Glen Ellyn, Ill., assignor to Cardox Corporation, Chicago, Ill., a corporation of Illinois

Application October 31, 1939, Serial No. 302,239
9 Claims. (Cl. 169—14)



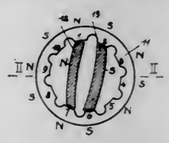
8. A method of extinguishing a fire comprising conducting liquid carbon dioxide, having a subatmospheric temperature and its corresponding vapor pressure, to a point of discharge, permitting sudden expansion of the liquid to produce a mixture of gas and fine snow particles, subjecting said gas and snow mixture to the shock of impingement to cause the fine snow particles to unite to form larger snow flakes, projecting the mixture of gas and snow flakes into the atmosphere in the form of a cloud or stream traveling at a high velocity, and discharging a plurality of small streams of liquid, having a higher freezing point than carbon dioxide, against the periphery of the projected cloud or stream of mixed carbon dioxide gas and snow particles to cause the liquid stream to be broken up, the streams of liquid and the mixture of gas and snow being so proportioned and the angles of discharge of the streams relative to said periphery being such that substantially all of the resultant liquid particles will be entrained in the cloud or stream and carried to the point of application of the extinguishing medium by the velocity thereof.

2,248,271
CIRCUIT CONTROLLING DEVICE
Lester W. Guin, Mishawaka, and Joseph L. Cissell, South Bend, Ind., assignors to South Bend Current Controller Company, South Bend, Ind., a corporation of Indiana
Application September 6, 1940, Serial No. 355,634
5 Claims. (Cl. 171—97)



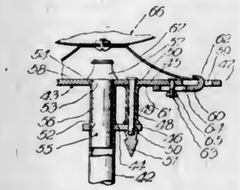
1. An electric control circuit comprising a device to be energized connected to one side of an electric circuit, a two-position switch connected to the other side of the circuit and normally lying in one position, a circuit energized by the switch when in said one position to connect said device to said other side of the electric circuit, a solenoid in said last named circuit, switch means moved by said solenoid when energized from a first position to a second position to complete a holding circuit through the solenoid in parallel with the circuit through the first named switch, delayed action means in circuit with the first named switch for moving the first named switch from its normal position to a second position, and a circuit including said delayed action means, said first switch in its second position and said switch means in its first position to hold the first switch in its second position.

2,248,272
MAGNETIZING OF ANNULAR MAGNETS
Ladislav Jurák, Brunn-Turany, Czechoslovakia
Application February 23, 1939, Serial No. 258,053
In Czechoslovakia February 16, 1938
1 Claim. (Cl. 175—21)



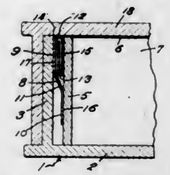
A method of magnetizing annular magnets having poles on the inner circumference thereof which comprises, simultaneously magnetizing only the two pairs of adjacent poles on opposite sides of the annular magnet by means of two magnetized pole shoes wherein one of the pole shoes bridges only two poles of the same sign on one side of the diameter of the annular magnet and the other pole shoe bridges only two poles of the same sign but of an opposite sign with respect to the first mentioned poles and arranged on the other side of the same diameter, displacing both pole shoes circumferentially through an angle substantially equal to twice the pole pitch and magnetizing the poles opposite the displaced pole shoes, circumferentially displacing the pole shoes through another angular space substantially equal to twice the pole pitch so as to magnetize further poles of the annular magnet, and repeating such displacement of the pole shoes until all poles of the annular magnet are magnetized.

2,248,273
BIRD CAGE AND SMOKING STAND
Anthony Krajnc, Superior, Wis.
Application March 16, 1940, Serial No. 324,337
2 Claims. (Cl. 248—154)



1. A device of the class described, including in combination, a standard, a frame rotatably mounted thereon, a plurality of arms extending radially from said frame, said arms having slots in close proximity to their outer ends, a bird cage having a base mounted on said frame, bolts extending downwardly from said frame adjacent the inner ends of said slots, dogs arranged adjacent the lower face of said frame having slots adapted to receive said bolts, said dogs having hook portions extending through the slots in said frame adapted to be moved into engagement with said base.

2,248,274
COSMETIC POWDER BOX
Aloysius J. Kusterer, Richmond, Va., assignor to The Randolph Paper Box Company, Richmond, Va., a corporation of Virginia
Application July 14, 1938, Serial No. 219,240
3 Claims. (Cl. 229—6)

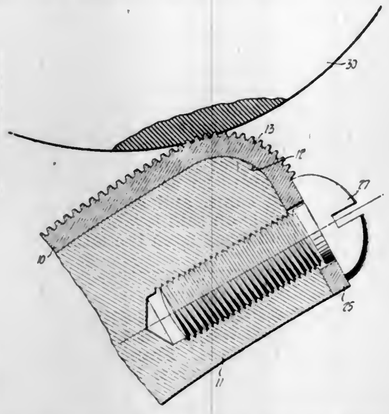


1. Cosmetic powder box comprising members having telescoping flanges, together forming a powder chamber, a seal for the sliding joint between said flanges comprising an encircling band of paper longitudinally folded upon itself along one edge, the laminations of the fold being free and springy, extending on one side only of said band for a distance less than the width of the band after folding, said seal being pasted to one of the faces of said sliding joint by a layer of adhesive contacting only the side of the fold and the adjacent portion of the band on the same side as said fold.

2,248,275
PRINTING PLATE
Albert L. Lengel, Berkeley, Calif.
Application September 1, 1939, Serial No. 293,082
3 Claims. (Cl. 101—395)

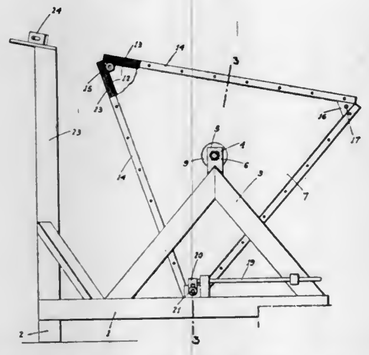
1. A thin flexible metal plate for letter press printing, having significant design areas etched on the surface thereof, such areas covering a portion only of the entire surface of the plate, and having uniformly dispersed etched projections of the character of halftone printing elements in all of the portions of the surface of the plate and not occupied by the aforesaid significant design areas; said plate being of a thickness of the general order of 0.027 of an inch; none of the etched areas of the plate extending more

than a distance of the order of 0.005 of an inch below the surface thereof; and the plate, due



to its thinness, being readily flexible whereby it may be readily bent around a plate support.

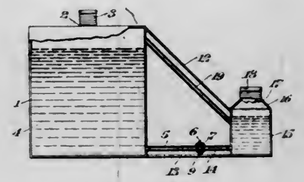
2,248,276
DRAFTING TABLE
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation
Application July 14, 1939, Serial No. 284,483
1 Claim. (Cl. 45—131)



A drafting unit including a base, a multi-side drafting table, means mounting the table for rotation about a horizontal axis disposed symmetrical to all the sides of the table whereby to dispose any side in operative position at will and at a common operating level, a rigid vertical post upstanding from the base behind the table and a drafting-instrument supporting bracket mounted on the post adjacent said operative level for operation on any side of the table when disposed in operative position and clear of the path of rotation of the rear edge of any side of the table.

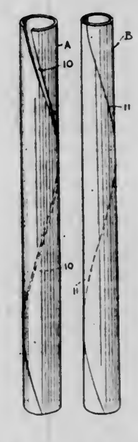
2,248,277
DISPENSING APPARATUS
Charles Menard, Jackson Heights, N. Y.
Application June 3, 1940, Serial No. 338,473
9 Claims. (Cl. 91—66)

1. In combination, a reservoir, a dispensing well located at a distance therefrom, a valved pipe connecting the lower portions of the reservoir and well, and a downwardly inclined pipe



leading from the upper portion of the reservoir to the upper portion of the well.

2,248,278
METHOD OF FORMING CONICAL SHELLS
Nathan Michelman, Brooklyn, N. Y.
Application November 4, 1938, Serial No. 238,882
1 Claim. (Cl. 29—155)

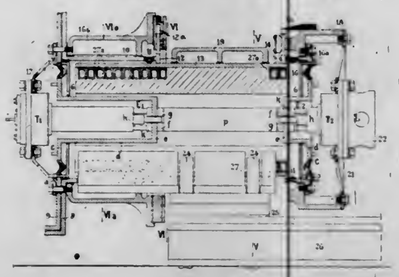


The method of forming a conical shell from a cylindrical shell, which consists in excising the cylindrical shell to form a helical slit of gradually decreasing width from end to end of the cylindrical shell, thereafter applying pressure to the cylindrical shell at a plurality of zones to bring the edges of the shell defined by the slit into abutment and thereafter welding the abutting edges to each other.

2,248,279
WELDING ROD
Agostino Nepoti, Sesto Calente, Italy
No Drawing. Application August 18, 1939, Serial No. 290,919. In Italy September 1, 1938
2 Claims. (Cl. 219—8)

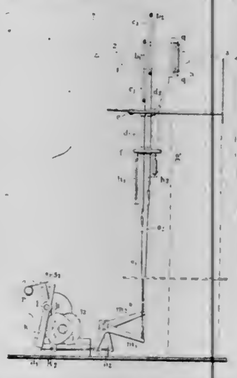
1. An electric arc welding rod consisting of an iron alloy containing 0.15% to 0.20% carbon, 1.00% to 1.8% manganese, 0.1% to 0.4% silicon, 0.30% to 0.8% molybdenum, 0.6% to 1.00% chromium and 0.3% to 0.80% vanadium, a weld made of said alloy having a tensile strength of from 80 kg./sq. mm. to 110 kg./sq. mm., an elongation of about 12% measured on a weld having a length equal to 15 times its diameter, the material of the weld being substantially insensible to thermal action occurring during the welding operation.

2,248,280
MACHINE FOR HEATING METAL BARS AND TUBES
Henri Edward Nobiron, deceased, late of Les Sables d'Olonnes, France, by Marie Louise Nobiron, née Guillon, Les Sables d'Olonnes, France, heir at law, assignor to Société Anonyme Louvroil, Montbard, Aulnoye, Paris, France, a French society
Application July 27, 1939, Serial No. 286,943
In France July 27, 1938
6 Claims. (Cl. 219—11)



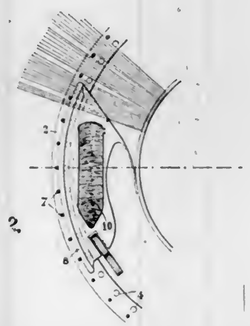
1. In a machine for electrically heating metal bodies in the form of bars and tubes by means of intense alternating currents, the combination of two opposite co-axial electrode supports, one of which is axially stationary, means for axially moving the other support, a group of contact blocks on each of said supports and intended to be pressed against the end faces of the bar to be heated, means for axially moving said contact blocks on their respective supports, means for pressing said contact blocks against the end faces of the bar to be heated and copper conductors rigid with said contact blocks and intended to supply the electric current to said contact blocks, said conductors being constituted by elements in the form of segments forming together at least one hollow cylinder concentric with the axis of said supports.

2,248,281
CIRCULAR WEAVING LOOM
Henri Pelcé, Flixecourt, France, assignor to Société dite: Saint Freres, Société Anonyme, Paris, France
Application June 20, 1940, Serial No. 341,575
In France July 18, 1939
5 Claims. (Cl. 139—13)



1. In a circular weaving loom the heddle-carrying frames of which are vertical and are moved vertically and downwardly by rotating cams, and upwardly by returning springs, a device for retaining said frames at the lower end of their stroke and for releasing them in concordance with the passage of the shuttles, comprising the combination of a series of levers loosely pivoted on a spindle, connected to the respective heddle-carrying frames, and normally pressed against the cams of a control shaft the rotation of which is connected to that of the shuttles about the axis of the loom, a series of retaining pawls adapted to act on said levers so as to hold the latter spaced from said cams, and control means for engaging said pawls on said levers and for resiliently urging them away from the latter.

2,248,282
DEVICE FOR GUIDING THE SHUTTLES IN CIRCULAR WEAVING LOOMS
Henri Pelcé, Flixecourt, France, assignor to Société dite: Saint Freres, Société Anonyme, Paris, France
Application June 20, 1940, Serial No. 341,579
In France July 18, 1939
7 Claims. (Cl. 139—13)



1. In a circular weaving loom a guiding track for the shuttle-carrier comprising two fixed rings placed one above the other, an outer series of cylindrical vertical pins the two ends of which are respectively mounted in said rings, and two inner series of short cylindrical pins respectively secured to both rings, the short pins of one of said series extending downwardly from the upper ring and those of the other series extending upwardly from the lower ring, in combination with a shuttle-carrier having a shoe adapted to slide between said outer and inner rows of pins by pressing against the outer pins under the action of centrifugal force and by resting on the ends of the short lower pins.

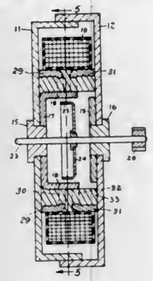
2,248,283
PARA-AMINO-PARA'-HYDROXY DIPHENYL SULPHONE AND DERIVATIVES
George W. Raiziss and Le Roy W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application July 7, 1938, Serial No. 217,964
6 Claims. (Cl. 260—397.6)

5. A p-lower carboxylic acyl amino-p'-hydroxy diphenyl sulphone.

2,248,284
DERIVATIVES OF PREGNANE AND PREGNENE
Tadeus Reichstein, Basel, Switzerland, assignor to Roche-Organon, Inc., Nutley, N. J.
No Drawing. Original application March 10, 1938, Serial No. 195,161. Divided and this application February 9, 1939, Serial No. 255,483.
In Switzerland March 22, 1937
16 Claims. (Cl. 260—239)

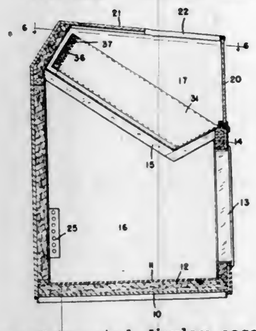
1. The diazo-ketones of the cyclopentanodimethylpolyhydrophenanthrene series, in which the group —CO—CHN_2 is attached to the carbon atom C_{17}.

2,248,285
SYNCHRONOUS ELECTRIC MOTOR
Joseph A. Reinhardt, Peru, Ill., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application October 10, 1938, Serial No. 234,174
7 Claims. (Cl. 172—278)



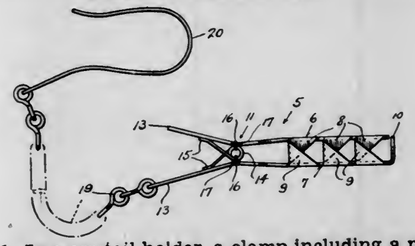
1. A synchronous motor comprising a rotor, a shading ring surrounding said rotor and concentric therewith, a plurality of pole pieces having their extremities lying parallel to the axis of said rotor and positioned between said rotor and said shading ring, alternate pole pieces having an offset portion extending at right angles to said axis and embedded in said ring, and means for energizing said pole pieces.

2,248,286
REFRIGERATED DISPLAY CASE
Ernest E. Sanders, Detroit, Mich.
Application August 30, 1939, Serial No. 292,691
4 Claims. (Cl. 62—89.5)



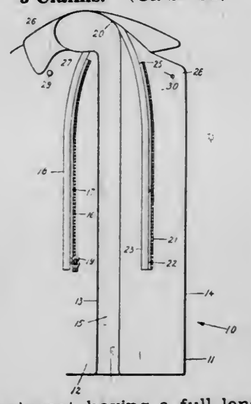
1. In a refrigerated display case having heat insulated walls enclosing its bottom and sides and divided into an upper and lower compartment, refrigerating means in the upper compartment, said means being in the form of a header having downwardly inclined parallel, relatively thin, wide members, said header and members dividing said upper compartment into a plurality of inclined bins.

2,248,287
COWTAIL HOLDER
Clara Schirmer, Rib Lake, Wis.
Application February 16, 1940, Serial No. 319,343
3 Claims. (Cl. 119—105)



1. In a cowtail holder, a clamp including a pair of jaws, said jaws including normally parallel front end portions and diverging rear end portions, said jaws being connected to pivot about a common axis located between the jaws at the forward ends of the diverging portions, the front end portions consisting of parallel side edged bodies and each having at each side edge a series of equal teeth of right angle triangular form with the hypothenuses of the triangles directed toward the front end of the clamp and the remaining free sides of the teeth on one plate extending at right angles to the longitudinal extent of the body and the teeth on one jaw having their last mentioned sides alined with the teeth on the other jaw, the teeth on one jaw overlapping the teeth on the other jaw.

2,248,288
OUTER GARMENT
Herbert Selib, Newton, Mass.
Application August 17, 1940, Serial No. 352,999
3 Claims. (Cl. 2—96)



1. In a raincoat having a full length opening and an inner front flap and an outer front flap adapted to overlie the inner front flap when the raincoat is in use, a slide fastener for detachably attaching said inner and outer front flaps together, said slide fastener including complementary fastening members adapted to be interlocked, one of said complementary fastening members being secured to said inner front flap and lying in spaced relation from the marginal edge of said

flap and having its upper end directed outwardly and terminating substantially at the said marginal edge and at a point close to the neck portion of said raincoat, the other of said complementary fastening members being secured to said outer front flap and lying in spaced relation from the marginal edge of said front flap and having its upper end directed and terminating a considerable distance away from said marginal edge and at a point below the said neck portion and in alinement with the upper end of said first mentioned slide fastener member, said slide fastener in assembled relation terminating at its upper end far to one side of the midportion of said raincoat.

2,248,289

PROCESS OF PRODUCING PIES

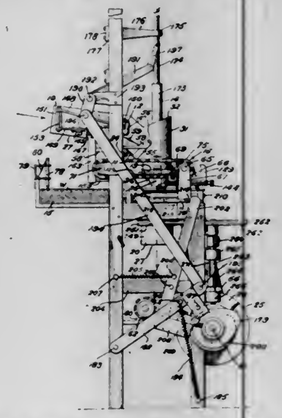
Martha Thal, Chicago, Ill.
No Drawing. Application March 25, 1939, Serial No. 264,177
5 Claims. (Cl. 99—92)

1. The process of commercially producing home-made pies out of season, including the steps of using a filler which has been subjected to quick freezing and kept in cold storage, thawing the filler until separable from the mold, applying the crusts to the filler, subjecting the unbaked pie to quick freezing, and subsequently placing the pie in cold storage for future use.

2,248,290

FRUIT WRAPPING MACHINE

Thomas M. Vaughan, Tampa, Fla., assignor to Ely Meyer, Hillsborough County, Fla., a trustee
Application August 4, 1939, Serial No. 288,457
16 Claims. (Cl. 93—2)



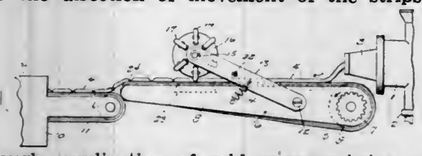
1. In a wrapping machine for fruit and the like, a wrapper wiper comprising an annulus of a size sufficient to permit passage of the largest fruit to be accommodated by the machine, a plurality of flaps of flexible material fixed to the annulus and disposed radially to provide a web-like closure for the annulus, the flaps overlapping each other in their normal position and being of sufficient width to provide an enclosed passage for the fruit when they are deflected out of their normal position.

2,248,291

METHOD OF CUTTING PRETZEL STICKS

John H. Walborn, Harrisburg, Pa.
Original application November 3, 1939, Serial No. 302,786. Divided and this application March 8, 1940, Serial No. 323,011
2 Claims. (Cl. 107—54)

1. The method of forming pretzel sticks without appreciably distorting or modifying the condition of the dough existing prior to the formation of the sticks, consisting in forming strips of dough and moving said strips along a predetermined path, and gradually exerting pressure thereon at predetermined intervals at an angle to the direction of movement of the strips of



dough, application of said pressure being controlled by movement of the strips of dough along the predetermined path whereby said strips are severed into predetermined lengths or sticks without development of pressure or forces thereon of sufficient intensity to distort or modify the condition of the dough in the strips or sticks.

2,248,292

PROCESS FOR MAKING CEREAL FOOD

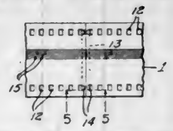
Harold K. Wilder, Palo Alto, Calif., assignor to Stanley S. Langendorf, San Francisco, Calif.
Application August 5, 1939, Serial No. 288,619
6 Claims. (Cl. 99—83)

3. The process of making a cereal food, comprising: cooking an intimate mixture of flaked grain, bran, ordinary baked bread and seasoning in the presence of water and under substantially 15 pounds steam pressure for approximately 30 minutes in order to form a dough; dehydrating said dough to a moisture content of from about 20% to 35%; forming discrete particles of said dough which has been mixed with dried comminuted bread having a moisture content of from about 2% to 20% and under a controlled temperature of from about 50° to 120° F., and then toasting said particles to a point where they become friable.

2,248,293

SOUND RECORD FILM

William L. Woolf, Bayside, Long Island, and Edgar L. Steed, Woodside, Long Island, N. Y., assignors to Recordgraph Corporation, New York, N. Y., a corporation of Delaware
Application January 3, 1940, Serial No. 312,248
3 Claims. (Cl. 200—52)



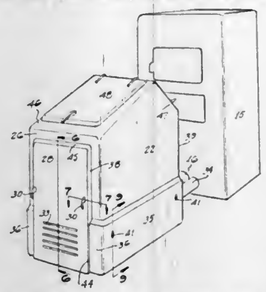
1. A sound record film of non-electrically conductive material, said film having the conventional perforations located within its marginal edges, and electrically conductive means consisting of a metallic ribbon threaded through some of said perforations from one film surface and bent over on the other film surface wholly within the marginal edges of the film to conform substantially to the film surfaces.

2,248,294

HOPPER FOR STOKERS

Thomas H. Banfield, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application May 16, 1938, Serial No. 208,195
4 Claims. (Cl. 110—108)

1. In a stoker casing, the combination of an elevated hopper having substantially vertical sides, means for leveling said hopper, a U shaped base board for partially enclosing the bottom of

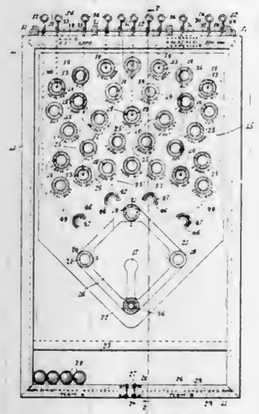


said hopper, means for adjusting said base board vertically with relation to said hopper and a door between the ends of said base board latched against one side of said hopper.

2,248,295

GAME

Charles P. L. Bestoso, Jensen, Fla.
Application December 28, 1939, Serial No. 311,256
9 Claims. (Cl. 273—88)



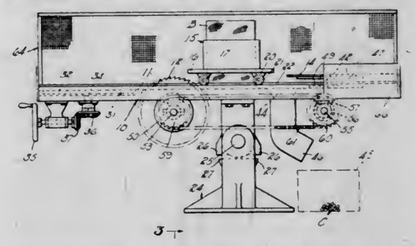
1. In a parlor baseball game, a playing board representing a baseball field and provided with a horizontally disposed top wall with a plane upper face and having a plurality of cylindrical openings therein and over which a play ball is adapted to be rolled, said openings being smaller than the playing ball, side walls for said board, and a plurality of stop members below certain of said openings and adapted to be individually raised in said openings to prevent a ball resting therein.

2,248,296

ICE CUBER

Donald G. Campbell, New York, N. Y.
Application September 27, 1938, Serial No. 231,949
4 Claims. (Cl. 143—38)

3. An ice cubing machine comprising an elongated flat table, a plurality of vertical slots provided in said table intermediate of the ends thereof and extending longitudinally thereof, a plurality of vertical saws supported beneath said table and having their cutting edges extending through said slots, a turntable located in the plane of said flat table adjacent one end thereof, a horizontal saw located adjacent the other end of the flat table and above the plane thereof, a common drive means carried by said table for said vertical saws and horizontal saw, and means pivotally mounting said flat table for tilting it in a vertical plane, whereby a block of ice may

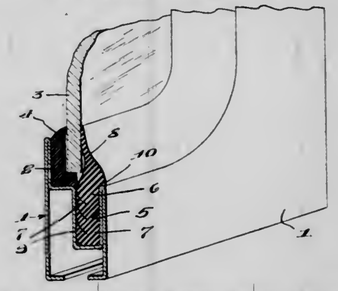


be successively carried past said vertical saws and onto said turntable when said flat table is tilted in one direction and then successively across said vertical saws and into the path of said horizontal saw when said table is tilted in the other direction.

2,248,297

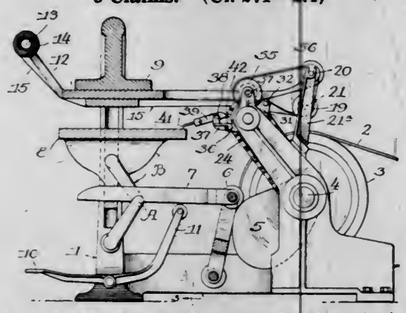
WINDOW SASH CONSTRUCTION

Edward F. Chaffee, Syracuse, N. Y., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y., a corporation of New York
Application October 28, 1937, Serial No. 171,528
3 Claims. (Cl. 189—78)



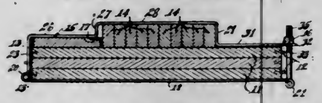
1. In a window sash construction comprising a frame provided with means for forming a glass receiving rabbet open at one side and arranged with a groove located beyond the edge of the glass pane and out of the plane thereof, the groove having substantially parallel smooth sides, and a glazing strip of elastic resilient compressible material having a base portion formed with parallel sides compressible in the groove, and a head portion of greater width than the base portion and normally projecting beyond the plane of the side of the base portion toward the glass pane and pressing against the glass pane, whereby the head portion is under compression in a direction transversely of the base portion when compressed against the glass pane, and hence tends to pull the base portion out of the groove, the combination of said sash construction having means limiting the lateral movement of the head portion under the transverse compression force, and of the base portion of the glazing strip having means tending to expand in a widthwise direction against the walls of the groove and to grip the same under the transverse compression action of the glass pane on the head portion and tighten the base portion in the groove against outward displacement.

2,248,298
FEEDING DEVICE FOR METALIZED MATERIAL OR GOLD LEAF
James L. Gore, Chicago, Ill., assignor to Stolp-Gore Co., Chicago, Ill., a corporation of Illinois
Application July 11, 1938, Serial No. 218,532
5 Claims. (Cl. 271—2.4)



1. A device for feeding metalized material or gold leaf to a printing press, comprising a roller and a plurality of segments of different peripheral lengths for feeding the metalized material or gold leaf to the printing press, and means for rotating the roller and segments including a drive member on the roller, drive means connecting said drive member with the drive shaft of the press, a clutch member keyed to the roller and adapted to be clutched to the drive member, and means for causing said members to clutch and rotate after each operation of the press to thereby rotate the roller and segments and draw a new length of metalized material or gold leaf into the press.

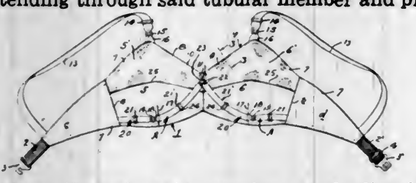
2,248,299
CLAMPING DEVICE FOR PAPERHANGERS' OUTFITS
Mortimer C. Harrison, Chicago, Ill.
Application March 18, 1940, Serial No. 324,648
1 Claim. (Cl. 24—248)



A clamping device for paperhangers' outfits including a flat bar, another bar hinged to one end thereof and offset from the first bar at said end, said second bar having angularly bent portions forming clamping portions, shoulders and a pocket and having three risers all at different elevations and a slot at its free end, a bolt hinged to the free end of the other portion to extend substantially at right angles to the bars and engage the slot, and a nut on the bolt to clamp the bars against the outfit.

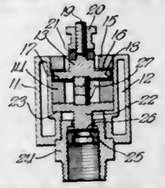
2,248,300
BRASSIÈRE
Oscar Hay, Los Angeles, Calif.
Application February 27, 1940, Serial No. 321,071
11 Claims. (Cl. 2—42)

1. A garment comprising a body encircling band, means to secure the same around the body of the wearer, said band having breast receiving pockets terminating in an under arm seam; shoulder straps connected to the apex of said pockets and to said band; a tubular member between the apexes of said pockets and being open at the front medial line of said garment; a cord extending through said tubular member and pro-



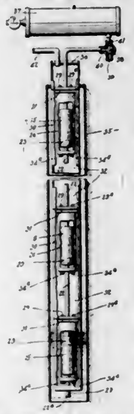
truding through said opening; and sling-like means extending from said under arm seams and being connected to said cord.

2,248,301
DEVICE FOR MEASURING PRESSURE
Albert W. Krause, Evanston, Ill.
Application October 9, 1936, Serial No. 104,907
2 Claims. (Cl. 201—51)



2. In a pressure responsive device, a cylindrical housing, two spaced resilient disks located in said housing, means for rigidly clamping said disks at the periphery thereof in fixed relation to said housing, a pressure responsive variable resistance element comprising a plurality of solid carbon blocks compressed between the central portions of said disks, said blocks being of such diameter that each disk has an annular yielding portion between the annular portion engaged by said clamping means and the adjacent carbon block, means for communicating pressure from outside the housing to one of said disks to vary the degree of compression of said blocks, and means for including said blocks in an electrical circuit.

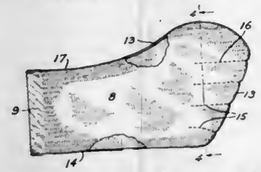
2,248,302
OIL WELL PUMP
William R. McKay, Southgate, Calif., assignor of one-half to Harry F. Langlois and Herbert N. Langlois
Application March 10, 1937, Serial No. 130,060
4 Claims. (Cl. 103—239)



1. A pump for oil wells and the like, compris-

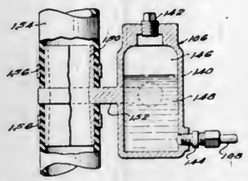
ing a housing, a container on the lower end of the housing, valved means in the lower end of the container for admitting oil to the container when the latter is submerged in oil, valved means in the upper end of the container permitting oil to pass only from the container into the housing, a barrel within the container having lower ports in its bottom for admitting oil from the container into the barrel to fill the latter upper ports in the top of the barrel, a float valve movable in the barrel to close the lower ports when the barrel is empty and to close the upper ports when the barrel is filled, and means for supplying an impelling fluid to the upper ports for displacing oil from the filled barrel into the container, and then exhausting the fluid from the barrel to permit refilling thereof with oil from the container.

2,248,303
ART OF TREATING FOOT AILMENTS
Frank Morgenroth and Frank J. Zens, Milwaukee, Wis.
Application February 14, 1938, Serial No. 190,396
5 Claims. (Cl. 2—239)



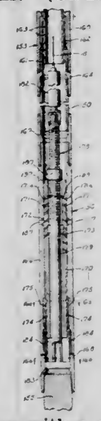
1. As an article of manufacture, a tubular foot covering having opposite ends of different sizes, the large end being closed to form a pocket and the smaller end being provided with a resilient selvage edge, and said pocket having rows of stitching extending inwardly of said closed end toward said selvaged edge, one of said rows of stitching adjacent to one side edge of said pocket being substantially alined with the portion of said side edge of said pocket located near said selvaged edge.

2,248,304
THERMOSTATIC CONTROL MEANS
Christian R. Mueller, Highland Park, Mich.
Application December 17, 1936, Serial No. 116,438
1 Claim. (Cl. 297—8)



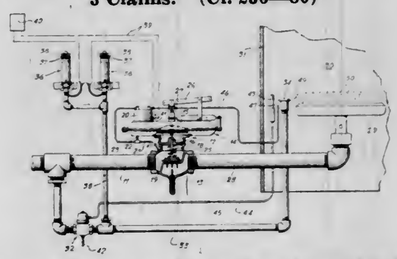
A thermostatic control means responsive to the temperature of a fluid flowing through a hose of a cooling system comprising a bellows, a thermostatic bulb arranged in adjacent relationship to said hose and operatively connected to said bellows, and a volatile fluid in said bellows and bulb, the combination of a metallic sleeve of relatively axially extended length inserted in said hose between adjacent ends of adjacent sections thereof forming means for clamping said ends in fluid-tight relation to each other and with the interior surface of said sleeve exposed to the direct flow of water therethrough, an arm connected with said sleeve in intimate heat exchange relationship therewith intermediate the ends thereof projecting laterally therefrom and connected to said bulb in intimate heat exchange relationship therewith, said arm being of substantial cross-sectional configuration whereby to effect a rapid transfer of heat between said water in said hose and said volatile fluid in said bulb.

2,248,305
PRODUCING APPARATUS FOR OIL WELLS
Chester A. Rasmussen, Long Beach, Calif., assignor to Rasmussen Service Company, Long Beach, Calif., a corporation of California
Application May 16, 1938, Serial No. 208,106
21 Claims. (Cl. 166—2)



1. The combination with a well tubing having a subterranean intake port of a valve mechanism controlling flow through said port, said mechanism including: a member movable in the tubing; yielding means in the tubing to urge said movable member in one direction; latch means to hold said movable member in opposition to said yielding means; and valve-operating means adapted to be lowered into the well and to move said movable member from one latched position to another in opposition to said yielding means.

2,248,306
FUEL CONTROL SYSTEM
William A. Ray, Glendale, Calif.
Application August 29, 1938, Serial No. 227,258
3 Claims. (Cl. 236—80)

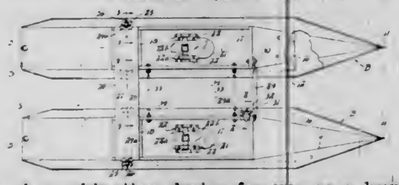


1. In a heating control system, in combination a conversion furnace, a main burner in said furnace, a conduit connecting said burner to a supply of fluid fuel, an electrically controlled valve controlling fuel flow to said main burner, a pilot burner for said main burner, a fluid fuel consuming thermoelectric generating device for energizing said electrically controlled valve and disposed adjacent and exterior to said furnace, said generating device comprising a plurality of pairs

of relatively short thermocouple elements, and a second valve controlling fuel flow to said pilot burner and to said thermoelectric generating device and connected to said conduit ahead of said electrically operated valve.

3. In a heating control system, in combination, a space to be heated, a conversion furnace for heating said space, a main burner in said furnace, a pilot burner for said main burner, a fluid-pressure operated main valve controlling fuel supply through said conduit to said main burner, an electrically operated pilot valve for controlling said main valve, a fluid fuel consuming thermoelectric generating device for energizing said pilot valve and disposed in the vicinity of and exterior to said furnace, said generating device comprising a plurality of pairs of relatively short thermocouple elements, a temperature responsive device in said space and controlling said pilot valve, an electrically opertaed manual reset safety valve controlling fuel flow to said pilot burner and to said thermoelectric generating device and connected to said conduit ahead of said main valve, and additional thermoelectric generating means heated by said pilot burner for energizing said manual reset valve.

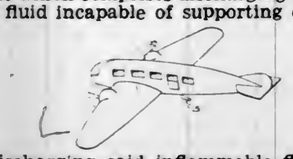
2,248,307
COMBINATION BOG SHOE AND DUCK BOAT
Harry Lawrence Richards, Minneapolis, and Kindy C. Wright, St. Paul, Minn.
Application July 28, 1938, Serial No. 221,760
2 Claims. (Cl. 9—1)



1. A combination device for use as a hunting boat and as bog shoes having in combination, a pair of relatively narrow, elongated pontoons each comprising, an upwardly sloping bow portion, a waist portion and a stern portion, means within each of said waist portions for accommodation of and attachment with a human foot, detachable rigid connection members for maintaining said pontoons in spaced relation and for preventing longitudinal shifting of said members to form a boat, said connection members when in use extending transversely of said pontoons and over the tops thereof, and readily attachable securing means adjacent the ends of said connection members for attachment to said pontoons, one of said connection members having attachment elements for rigid attachment to said pontoons at points rearwardly of the transverse center lines of said pontoons to prevent relative tipping of said pontoons when connected, and one of said connection members being disposed forwardly of said waist portions and having an attachment element for pivotal connection with one of said pontoons on the horizontal longitudinal axis to permit relative lifting of the bow portions of said pontoons.

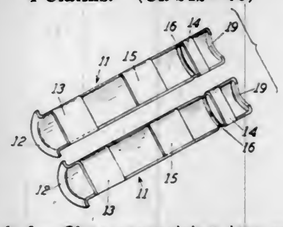
2,248,308
METHOD AND APPARATUS FOR VALVING INFLAMMABLE FLUIDS
Isaac L. Rice, New York, N. Y., assignor to Beatrice W. Rice, New York, N. Y.
Application March 7, 1938, Serial No. 194,389
9 Claims. (Cl. 244—135)

2. A method of valving inflammable fluid from aircraft which comprises discharging from a conduit a fluid incapable of supporting combustion,



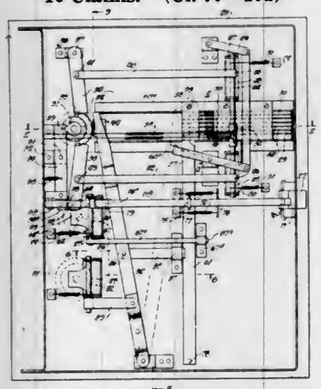
and discharging said inflammable fluid from a conduit within the stream of said non-combustible fluid and in the same direction.

2,248,309
FILM SPOOL HUB
Bruno C. Roehrl, Binghamton, N. Y., assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application May 20, 1938, Serial No. 209,043
4 Claims. (Cl. 242—70)



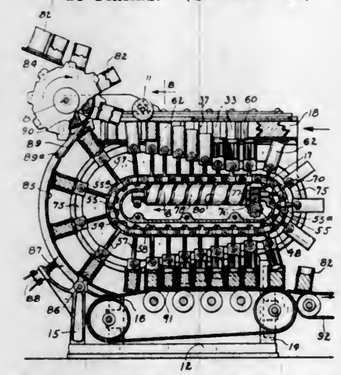
1. A hub for films comprising two semi-circular channel shaped parts, means to secure said parts together and two webs spaced apart and extending substantially diametrically across said channel in each of said parts and abutting those webs carried by the other of said parts to preclude slippage and consequent interengagement of said parts, said webs extending from one edge of said channels completely across said channels and overlying the opposite edge thereof.

2,248,310
COMBINATION LOCK
Mathew Schnur, Chicago, Ill.
Application May 10, 1940, Serial No. 334,451
10 Claims. (Cl. 70—101)



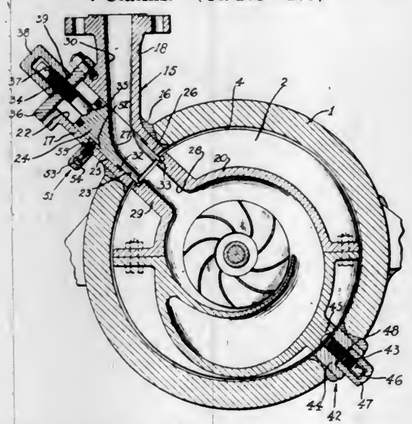
1. Control means for a combination lock carried on the inner side of a door comprising, a control bar pivoted to the door and movable inwardly when the combination is solved, a bolt alongside the control bar and movable between outward and inward positions, an element controlling these positions to correspond with those of the control bar, a push button fitted in the door, and a member movable in the direction of the bolt when the button is pushed, the bolt being engageable by the member only when in the said inward position.

2,248,311
CAN FILLING MACHINE
Per F. Skoog, Bellingham, Wash.
Application June 27, 1939, Serial No. 281,446
13 Claims. (Cl. 226—101)



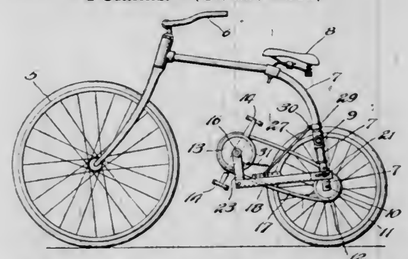
1. The combination in a canning machine, with a conveyer having a charge-forming cavity, and means for charging the cavity, of a conveyer chain located beneath said conveyer, a rod carried by said chain, a charge-carrying cylinder reciprocally mounted on said rod and adapted to enclose a charge in the cavity, and means for projecting the cylinder into said cavity.

2,248,312
DOUBLE CASING PUMP
Alexey J. Stepanoff, Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application October 3, 1938, Serial No. 232,977
7 Claims. (Cl. 103—108)



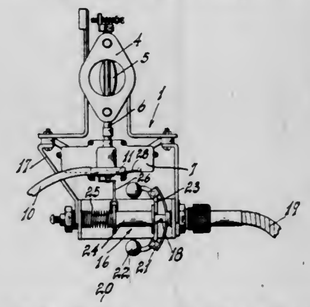
1. In a double casing centrifugal pump, an outer casing, an inner casing therein and circumferentially spaced therefrom to define an annular space between said casings, substantially radially extending aligned fluid passages in said inner casing and said outer casing, means forming a fluid-tight seal between the adjacent ends of said fluid passages, means adjustable relative to said outer casing for applying pressure inwardly in the direction of the axis of said fluid passages to maintain said seal, said pressure tending to distort said inner casing in an axial plane thereof, and means adjustably mounted between said inner and outer casings on the diametrically opposite side of said inner casing from said fluid passages, for applying pressure opposing said first pressure-applying means to prevent distortion of said inner casing by said first pressure-applying means.

2,248,313
VEHICLE DRIVE
William H. Stevens, Waukegan, Ill.
Application June 30, 1939, Serial No. 282,033
4 Claims. (Cl. 280—261)



1. A vehicle drive for propelling, braking and coasting, comprising driving and driven pulleys connected by a belt, and pedals on the driving pulley for operating it, means for mounting the driving pulley to swing by pressure on the pedals for driving and braking, and a spring for loosening the belt for coasting when pedal pressure is relieved.

2,248,314
VEHICLE SPEED CONTROLLER
Claude A. Vatter, Long Beach, Calif.
Application September 13, 1937, Serial No. 163,529
1 Claim. (Cl. 121—43)



In a vehicle speed controller, an air motor including an oscillative piston, a shaft, said piston being mounted on the shaft and oscillating the same as the piston moves, said shaft being attachable to a motor control valve, an intake valve on the motor, said intake valve being adapted and arranged to control the oscillating movement of the piston, a speed sensitive device, including a fly ball governor, a spool engageable and movable by the fly ball governor, a shaft on which the spool is slidably mounted, a link, one end of which engages the spool, said link ex-

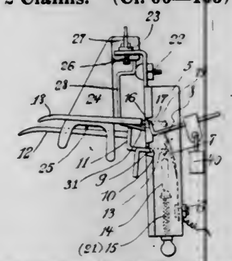
tending to the intake valve and engaging said intake valve whereby the intake valve is opened and closed as the speed sensitive device operates.

2,248,315

STOP MOTION FOR KNITTING MACHINES

Michael Wachsman, Brooklyn, N. Y., assignor to Wachsman Sons', Inc., a corporation of New York

Application March 6, 1940, Serial No. 322,427
2 Claims. (Cl. 66—163)



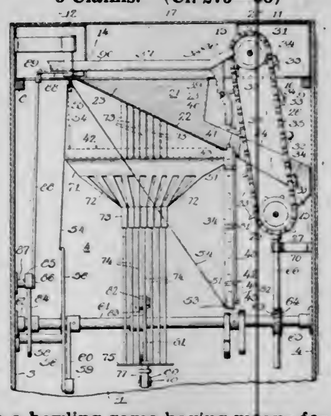
1. In a stop motion for knitting machines having movable yarn supporting knot detector fingers in combination with a plurality of guard members for the purpose described, means for supporting said fingers and guards in cooperative relation including a bar for supporting the guard members, the yarn resting upon said fingers below the guard members and exerting a downward pull upon the fingers during the operation, a spring urging said fingers upwards against the pull of the yarn and movable means upon said bar for adjustably limiting said upward movement of said fingers.

2,248,316

BOWLING GAME

Carl Weber, Chicago, Ill., assignor of one-third to William Kings and one-third to Alfons Bacon, both of Chicago, Ill.

Application December 18, 1937, Serial No. 180,483
5 Claims. (Cl. 273—38)



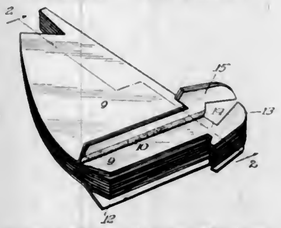
5. In a bowling game having means for removing a set of pins from the alley and means for storing another set of pins in a magazine while the game is being played, means for raising the second set to the alley after the first set has been removed therefrom, means for transferring the second set to the raising means, and means for making the storing means inoperative while the transferring means is in operation.

2,248,317

STICKER PACKET

Paul Van Cleef, Chicago, Ill., assignor to Van Cleef Bros., Chicago, Ill., a partnership consisting of Noah Van Cleef, Felix Van Cleef, and Paul Van Cleef

Application August 31, 1938, Serial No. 227,672
4 Claims. (Cl. 206—57)



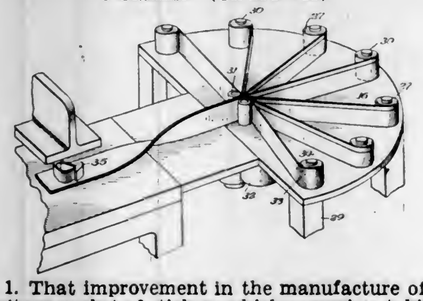
1. As a new article of manufacture, a packet comprising a set of stickers of similar size and shape arranged in superposed relation and having along one margin thereof integral outwardly projecting tabs with reduced neck portions between them and said tabs and also having coextensive facings of permanently tacky pressure-sensitive adhesive on their inner faces whereby they are secured adhesively together and are adapted upon stripping apart or separation to be stuck against any selected surface or object, and pieces of holland type material stuck lightly to and covering the portions of the adhesive facings on the inner faces of the tabs and serving to space apart and separate the tabs so that they may be readily gripped in connection with stripping apart or separation of the stickers.

2,248,318

METHOD OF MAKING STICKER PACKETS

Paul Van Cleef, Chicago, Ill., assignor to Van Cleef Bros., Chicago, Ill., a partnership composed of Noah Van Cleef, Felix Van Cleef, and Paul Van Cleef

Original application August 31, 1938, Serial No. 227,672. Divided and this application August 28, 1939, Serial No. 292,234
3 Claims. (Cl. 154—43)



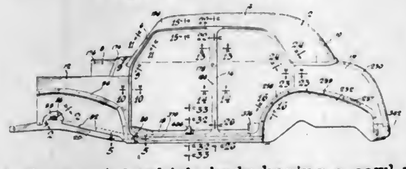
1. That improvement in the manufacture of a unitary packet of stickers which comprises taking a sticker forming web having on one side thereof a facing of permanently tacky pressure-sensitive adhesive and applying along one side margin of the facing a band of holland type material, then forming the web into a plurality of strips, then pressing the strips together into adhesively connected and superposed relation and in such manner that the sections of the band are all at one side and in aligned or lapped relation, and finally cutting the adhesively connected and superposed strips transversely and across the band sections in order to form a packet of the desired size and shape and with pieces of holland type material covering certain marginal portions of the adhesive facings and serving to separate the contiguous marginal portions of the stickers so that they may be readily gripped in connection with separation of the stickers.

2,248,319

METAL BODY FOR MOTOR VEHICLES

Charles L. Waterhouse, Jr., Dearborn, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 18, 1939, Serial No. 262,605
9 Claims. (Cl. 296—28)



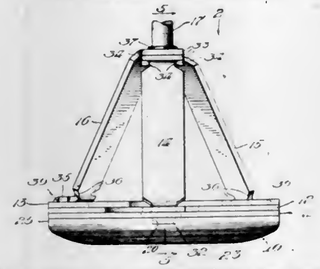
1. In a metal vehicle body having a cowl pan, two front pillars and a front frame, two braces, one at each side of the vehicle, said braces extending from the frame to the pillars, said braces passing through the cowl pan and being welded to the pillars, and a yieldable connection between the braces and the frame.

2,248,320

EARTH ANCHOR

Donald E. Willard, Danville, Ill., assignor to Allith-Prouty, Inc., Danville, Ill., a corporation of Illinois

Application July 15, 1939, Serial No. 284,619
12 Claims. (Cl. 189—92)



1. An earth anchor comprising in combination, a base member, a rod operably related to the member, a plurality of flukes supported on the member one above the other for radial movements transverse to the axis of the rod, the lower fluke only being guided by the member, and a spreader arm for each fluke, one end of each arm being fixed to its associated fluke and each opposite end being apertured to receive the rod, said opposite ends being arranged in superimposed relation and secured directly to each other to provide a driving head and acting in conjunction with the guidance provided by the lower fluke to constrain the uppermost flukes to move radially during extension.

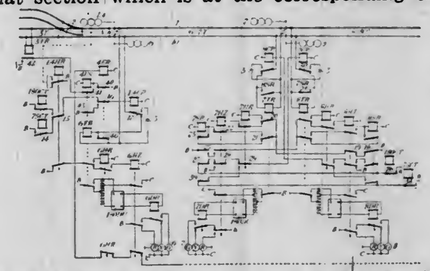
2,248,321

RAILWAY TRAFFIC CONTROLLING APPARATUS

Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 27, 1939, Serial No. 296,835
16 Claims. (Cl. 246—3)

1. In combination, a stretch of single track railway divided into track sections, a track relay at each end of each section, signals at the ends of the stretch for governing traffic movements in opposite directions into said stretch, two track circuits for each section each including the same track rails but arranged in opposite directions to control different track relays, direction selecting means selectively controlled from a central office for supplying periodically interrupted current to the track rails at one end of the stretch or the other to energize one track circuit for that section which is at the corresponding end



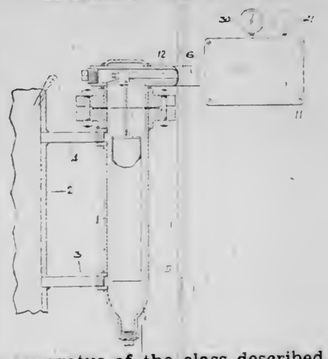
of the stretch, means controlled wholly over the track rails comprising the track relays at the junctions of adjoining sections for supplying periodically interrupted current to the track rails for successively energizing the corresponding track circuit for each remaining section of the stretch in turn, and means including the track relay at the other end of the stretch and requiring the energization of the track circuit for one direction for each section by periodically interrupted current to clear the signal for the corresponding direction.

2,248,322

APPARATUS FOR INDICATING, CONTROLLING, AND RECORDING THE LEVEL OF LIQUIDS IN VESSELS

Douglas H. Annin, San Francisco, Calif.

Application April 7, 1939, Serial No. 266,523
11 Claims. (Cl. 73—309)



7. In apparatus of the class described, a pivoted member adapted to be moved in a certain direction by the increase in the effective weight of a float connected thereto, and in the opposite direction by spring means having a tension normally balancing the dead weight of the float; fluid expansible means for exerting a pressure upon the pivoted member in a direction opposing the force exerted by the spring means; a pilot control device having a fluid inlet connected to a source of pressure fluid and a fluid outlet connected to the fluid expansible means and to a

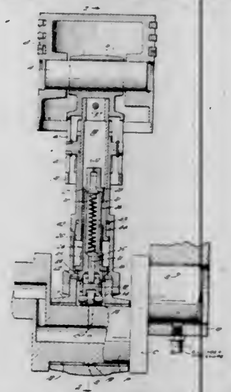
device responsive to changes in fluid pressures; and means responsive to the pivotal movement of the pivoted member for causing the pilot control device to increase the flow of the pressure fluid from the inlet to the outlet in proportion to the decrease in the effective weight of the float.

2,248,323

INTERNAL COMBUSTION ENGINE

Leon P. Anthony, Los Angeles, Calif., assignor of one-half to Mary Adeline Reynolds, Los Angeles, Calif.

Application April 27, 1940, Serial No. 331,987
10 Claims. (Cl. 123—78)



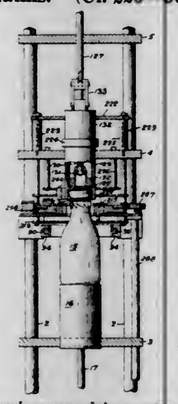
1. A connecting rod for internal combustion engines including a bearing for the crankshaft of the engine having a chamber therein for receiving fluid under pressure from the interior of the crankshaft, a valve seat on the bearing, a check valve adapted to seat upon the valve seat permitting egress from the chamber but preventing return flow thereto from the connecting rod, a second valve controlling the return of flow from the connecting rod to the chamber, and means for periodically opening the second valve.

2,248,324

CONTAINER CAPPING AND TYING MACHINE

Gunnar Arnberg, Lidingo-Brevik, Sweden, assignor to Paterson Pacific Parchment Co., San Francisco, Calif., a corporation of California

Application March 6, 1936, Serial No. 67,503
10 Claims. (Cl. 226—80)



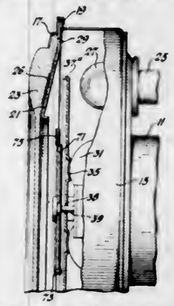
10. A bottle capping machine comprising mechanism for forming a clove hitch from a continuous length of twine, a device for inserting a capped bottle into said mechanism and for removing the bottle after the cap has been secured thereto, means for exerting a pull on the ends of the clove hitch so as to constrict it and thus secure the cap on the bottle, and means for causing said mechanism to form another clove hitch while the capped bottle is being replaced by another bottle.

2,248,325

SPEEDOMETER

Elbridge F. Bacon, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application August 26, 1937, Serial No. 161,089. Divided and this application March 7, 1940, Serial No. 322,642
3 Claims. (Cl. 116—129)



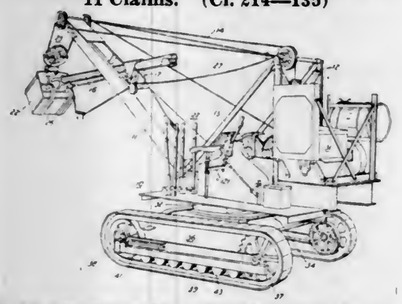
1. An indicating instrument comprising a housing, a light source therein, spaced inner and outer opaque members having overlapping regions to prevent direct transmission of light from said source, the outer of said members having an enlarged opening, the inner of said members having a small aperture, a rotatable instrument spindle extending through said aperture, a transparent disc carried by said spindle and located between said plates, said transparent disc having a marginal reflecting pointer, means forming markings to cooperate with said pointer to give readings, the inner of said opaque plates having an opening through which and through said transparent pointer disc the movable members of a second indicating device may be seen.

2,248,326

EXCAVATING SHOVEL

Walter Baker, Cedar Rapids, Iowa, assignor, by mesne assignments, to Link-Belt Speeder Corporation, a corporation of Illinois

Application June 4, 1937, Serial No. 146,471
11 Claims. (Cl. 214—135)



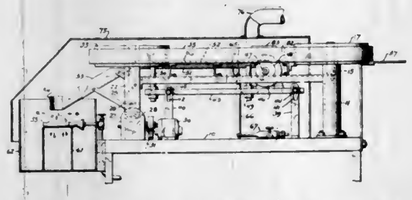
1. In an excavating shovel mounted on running gears having endless tracks, a turntable, a prime mover on the turntable, winding drums driven by the prime mover, a vertical shaft passing downward tnrough the axis of the turntable, means for connecting this shaft with the wheels of the running gear, a pair of gear trains for driving the vertical shaft from the prime mover, and selective means for engaging one or the other of the gear trains, said gear trains including a pair of gears mounted for rotation on a swing shaft and a means for selectively engaging the gears to the shaft.

2,248,327

APPARATUS FOR SHELLING NUTS

Roy Bainer and Charles E. Barbee, Davis, Calif., assignors to The Regents of the University of California, Berkeley, Calif., a corporation of California

Application April 8, 1940, Serial No. 328,494
7 Claims. (Cl. 146—8)



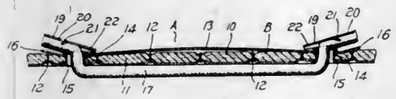
1. In a machine for perforating a nut and for charging the interior thereof with an explosive gas mixture, means for igniting the explosive gas mixture to explode the nut and for simultaneously separating from the kernel the major portion of the fragments of the shell resulting from the explosion, said means comprising a burner which maintains a flame area, means for dropping the nuts through the flame area to ignite and explode the explosive gas mixture within the shell without substantially injuring the kernel, said explosion causing the major portion of the shell to be broken into small fragments and the major portion of the fragments to be projected radially away from the flame area, and a container disposed below the flame area into which kernels drop.

2,248,328

FLEXIBLE MATTRESS HANDLE

Michael Bechik, St. Paul, Minn.

Application May 19, 1939, Serial No. 274,586
5 Claims. (Cl. 16—125)



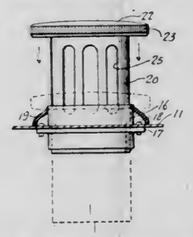
1. A mattress handle comprising a resilient reinforcing bar designed to overlie the inner surface of a mattress wall, a pair of grommets extending through said bar and said mattress wall to hold said bar to said mattress wall, a flexible handle cord stretched taut by the resilience of said bar overlying the outer surface of the mattress wall between said openings and having ends extending through said openings, and anchoring means on the ends of said flexible handle of elongated form capable of passing through said grommets longitudinally but too long to pass through said grommets transversely.

2,248,329

VENTILATING ATTACHMENT FOR VEHICLES

Archiebald D. Bell, Jr., Toledo, Ohio

Application October 10, 1938, Serial No. 234,124
1 Claim. (Cl. 98—2)



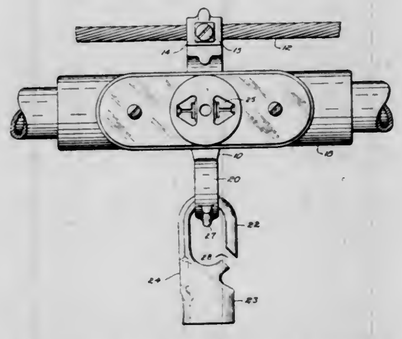
In combination with the rear trunk compartment of an automobile provided with an opening in the side thereof, a sleeve mounted in said opening, a flange on said sleeve secured to the trunk panel, securing means for attaching said flange to the trunk panel, inwardly and outwardly extending portions on said sleeve, a straight tube mounted in said sleeve for longitudinal and rotary movement, said tube having a closed outer end and an open inner end, a series of apertures in one side of said tube near the outer end thereof, means for limiting the outward movement of said tube, an annular knurled skirt on the closed end of said tube forming a smooth cap-like surface on the outer end of said tube, and a rubber gasket or escutcheon surrounding the junction of the body panel and said outwardly projecting portion of said sleeve to present a smooth appearance by covering said securing means.

2,248,330

SUPPORTING BRACKET FOR CONDUIT OUTLET BOXES AND FIXTURES

Carl H. Bissell, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York

Application October 4, 1939, Serial No. 297,959
5 Claims. (Cl. 248—61)



1. A bracket for supporting a conduit outlet box and fixture from a messenger cable comprising a C shaped member formed at one end with a cable receiving notch and at its opposite end with a loop, means for securing a conduit outlet box to said member intermediate its ends thereof with the axis of the body extending at right angles to said member, means carried by said member and operable to detachably secure the cable in said notch, and a fixture support having a hook portion arranged in said loop, said loop

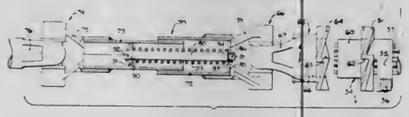
and hook portion being cooperable to prevent disengagement of the hook from the loop when the fixture support is in fixture supporting position.

2,248,331
VISOR
Olav Blodjer, Stockton, Calif.
Application February 1, 1939, Serial No. 254,039
10 Claims. (Cl. 2—11)



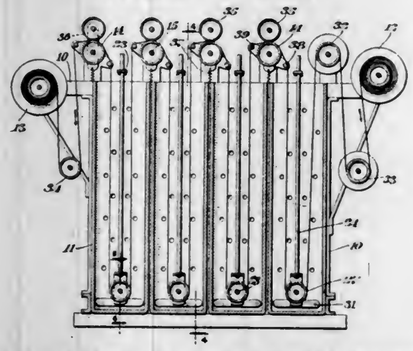
10. A one piece extension visor for hats and the like comprising an elongated transparent panel formed intermediate its ends with a longitudinal slit adjacent but spaced from its upper edge, the material along and for a substantial portion of the length of the slit being initially in substantial edge to edge engagement, said slit being increased in width at its ends to form slots, and the edges of the slit between said slots being formed with matching serrations; the ends of the panel outwardly of said ends of the slit being preformed as wings extending rearwardly in resilient relation and at an inward acute angle relative to the remainder of the panel, there being a relatively narrow slot in each wing extending from the free end thereof in substantially the same plane as said slit.

2,248,332
POWER TRANSMITTING DEVICE
Carl Budelier, Rock Island, and Wilbur J. Coultas, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 22, 1939, Serial No. 274,924
8 Claims. (Cl. 56—25)



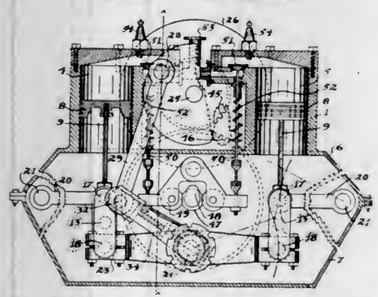
1. In combination, a main frame, an auxiliary frame movable toward and away from said main frame, releasable means normally connecting said frames, rotary mechanism mounted on each of said frames, and power transmitting means interconnecting said mechanisms including shaft means, releasable means for coupling one end of said shaft means to, and supporting the same on one of said mechanisms, comprising a pair of relatively rotatable telescoping members, each having a clutch element fixed thereto, said elements being interengageable only when said telescoping members are substantially closed together, and flexible means connecting the other end of said shaft means with the other of said mechanisms, said telescoping members being separated axially when said auxiliary frame moves away from said main frame, thereby first disengaging said clutch elements and then dropping said shaft means and said telescoping members away from alinement with each other, said power transmitting means being extensible and having means biasing the same toward extended position, whereby said power transmitting means can be manually shortened to bring said telescoping members into alinement after said auxiliary frame is returned to normally connected position relative to said main frame.

2,248,333
WEB TREATING APPARATUS
John E. Burbank, Poundridge, N. Y., assignor, by mesne assignments, of fifty-one one-hundredths to William N. Cheyney, Montclair, N. J., and forty-nine one-hundredths to Raymond H. Lutz, Norwalk, Conn.
Application September 20, 1939, Serial No. 295,705
23 Claims. (Cl. 95—94)



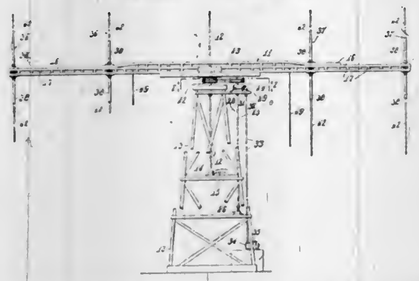
4. A machine for subjecting a web to a succession of treatments with liquids comprising a series of liquid-containing tanks through which the web passes successively in down and up vertical runs, a feeding roller for each tank over which the web passes upon emergence from said tank, a pressure roller co-operating with each feeding roller to remove liquid from said web, a rotatable driving member for each feeding roller, means for rotating said rotatable members at constant speed, a friction clutch between each rotatable member and its associated feeding roller, a guide roller adjacent the bottom of each tank substantially parallel to the feeding roller and under which the web passes, connections between said guide roller and friction clutch for increasing the driving friction exerted upon the feeding roller upon downward movement of said guide roller and releasing such driving friction upon upward movement of said guide roller.

2,248,334
INTERNAL COMBUSTION ENGINE
Carl Elmer Burke, Bloomsbury, Alberta, Canada
Application March 18, 1940, Serial No. 324,550
7 Claims. (Cl. 74—40)



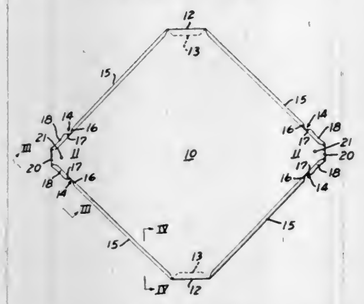
1. An internal combustion engine including pairs of oppositely mounted pistons, piston rods for the pistons, a piston bar rigidly connecting each pair of piston rods for operation of the connected pistons as a unit, equalizer bars connecting piston bars of opposing pairs of pistons, a drive shaft, an arm assembly in fixed attachment to the equalizer bar, said assembly including a section mounted to be endwise adjustable, a rod forming a driving connection to the endwise adjustable section of the arm assembly for driving said shaft by oscillation of the equalizer bars, and means for effecting movement of the endwise adjustable section of the arm assembly relative to the remaining portion thereof, said means including a remote control.

2,248,335
RADIO BEAM ANTENNA AND CONTROL MEANS THEREFOR
William Shearman Burkhart, Cincinnati, Ohio
Application November 28, 1939, Serial No. 306,432
7 Claims. (Cl. 250—11)



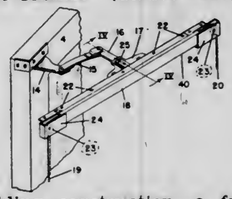
1. An antenna system comprising, in combination, a fixed vertical radiator, a boom rotatable through a horizontal plane around said radiator, said boom constituting a skeleton framework to minimize wind resistance, a plurality of telescoped vertically disposed members arranged in pairs on said boom, one pair on each side of said radiator, the members of each pair extending in opposite directions, and means operable to adjust the length of both members of each pair in unison.

2,248,336
METALLIC ROOFING SHINGLE
Ernest Bussey, Birmingham, Ala.
Application May 20, 1940, Serial No. 336,120
8 Claims. (Cl. 108—17)



6. A metallic shingle having a body formed with horizontally aligned side nailing corners, a butt lock element, and marginal edges bent down all around the shingle body edges to form a marginal supporting flange for such body, said flange being interrupted adjacent to each nailing corner to provide divergent centering and hold-down edges arranged and disposed to engage the butt lock element of a superposed shingle, as and for the purposes described.

2,248,337
OUT-SWINGING WINDOW CONSTRUCTION
Hubert O. Carroll, Painesville, Ohio
Application February 2, 1939, Serial No. 254,257
15 Claims. (Cl. 268—117)



1. In building construction, a framed wall-opening; an outwardly swingable sash hinge-supported at one side therein; and means for swinging said sash without presenting obstruction on the sill, including an inwardly-directed arm on the sash, a link pivoted to said arm, a runner having an adjustable-length connection to said link, a guide on the upper portion of the frame for said runner and enclosing the runner by a downwardly-directed flange, a pulley at each end of said guide, support means for each pulley, a pull chain over each pulley and having connection to said runner, said runner including a position-locking means comprising means to engage the guide, spring means forcing the same into engagement, and a connection by one of said pull chains to release the engaging means.

2,248,338
COMBINATION REEL, CHAIN, AND KEY
Jennie Castleman, Los Angeles, Calif.
Application December 17, 1940, Serial No. 370,563
1 Claim. (Cl. 24—3)

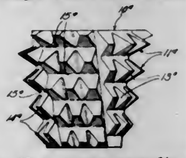


In a device of the class described, the combination of a casing provided with a round comparatively large stationary partition therein, said partition spanning the distance between the sides of said casing, a pin supported at its ends upon the sides of said casing between a portion of the casing and said round partition, a coil spring having its inner end fastened to said pin, said coil spring being adapted to extend around said round stationary partition, a chain adapted to be projected a greater portion outside of said casing and normally coiled around said round partition, the inner end of said chain being fastened to the outer loop or coil of said coil spring, and key-carrying means fastened to the outer link of said chain.

2,248,339
ROLLER CUTTER
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application October 23, 1939, Serial No. 300,772
2 Claims. (Cl. 255—71)

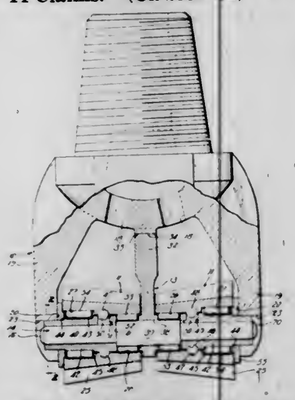
1. A roller cutter comprising a body, longitudinally extending circumferentially spaced rows of teeth on said body extending around the entire periphery thereof, said rows of teeth being

pitched relative to the longitudinal axis of the body, the individual teeth being separated by intersecting grooves, some of which extend longitudinally of and others of which extend circumferentially of the body and lie in planes substantially normal to the longitudinal axis of the body, cutting edges on the teeth which extend circumferentially of the body, said rows occurring in contiguous groups each of which includes several



of said rows, the corresponding teeth in each group occupying like positions in the several rows and occupying like positions on the body, the correspondingly positioned teeth in the contiguous groups being progressively offset longitudinally of the body in the same direction so that the cutting edges of the teeth in the different groups do not track in their engagement with the earth formation.

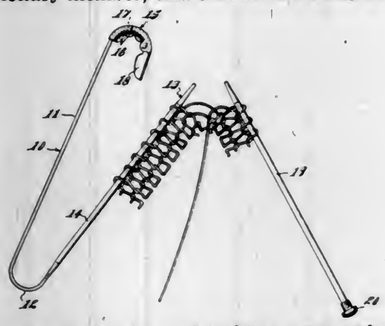
2,248,340
ROCK BIT
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application July 26, 1940, Serial No. 347,704
14 Claims. (Cl. 255—71)



1. In a rock bit, a bit body having spaced legs on its lower end, the lower part of each leg having an opening, a support member spaced between the legs and having a transverse opening aligned with the openings in the legs, a generally horizontal one piece pin having an intermediate portion of increased diameter bearing in said opening in the support member and having its end portions extending into the openings in the legs and rigidly fixed to the legs, and roller cutters rotatably mounted on the pin between the support member and the legs.

2,248,341
KNITTING NEEDLE
Florence E. Crumb, Harvard, Ill.
Application March 29, 1939, Serial No. 264,806
3 Claims. (Cl. 66—117)

1. In a stitch holder a stationary supporting member having a rounded portion bent therefrom as a single portion, a knitting needle supported on said stationary member, locking means mounted on said stationary member, said needle being of an enlarged diameter relative to said stationary member, and said needle being adapt-

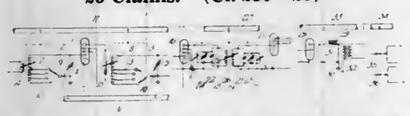


ed to be locked by said locking means whereby stitches may be worked on the needle and around the area of the holder to the locking member and held thereon.

2,248,342
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Arthur F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application November 22, 1940, Serial No. 366,552
14 Claims. (Cl. 252—344)

1. A process for resolving petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier, comprising a member of the class consisting of anion-containing alkylates, arylates and aralkylates of a hexamethylenetetramine.

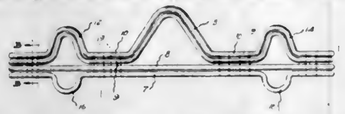
2,248,343
CARRIER WAVE SYSTEM
Harold F. Elliott, Palo Alto, Calif.
Application August 23, 1934, Serial No. 741,139
25 Claims. (Cl. 250—20)



1. A radio wave system comprising means for amplification and selection in successive stages operating at a plurality of frequencies, variably coupled and variably damped selectors for varying and coordinating the passed band widths in at least two of said stages and at least two of said frequencies separately, variable cut-off audio frequency tone control means, and single control means for operating the selectors simultaneously and in unison with said tone control means.

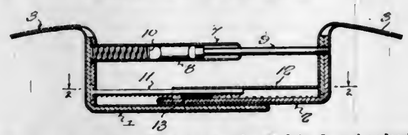
2,248,344
BUMPER
Louis J. Epps, Detroit, Mich.
Application March 29, 1939, Serial No. 264,792
3 Claims. (Cl. 293—55)

1. In a bumper of the class described, a structure embodying an elongated straight rod; a plurality of rods, said rods being positioned on opposite sides of said straight rod, said rods extending in parallel relation and in vertical alignment, a plurality of rods above said straight rod being bowed outwardly at spaced points in-



termediate their ends, the inwardly positioned bows nesting in the adjacent outwardly positioned bows.

2,248,345
LOOSE-LEAF BINDER
Charles H. Franz, Jr., Wauwatosa, Wis., assignor to The Helmn Company, Milwaukee, Wis.
Application July 19, 1940, Serial No. 346,337
3 Claims. (Cl. 129—13)



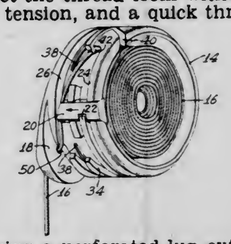
3. In a collapsible loose-leaf binder including complementary overlapping backs, a single ratchet locking mechanism secured to said backs centrally of their ends and including, a rack bar secured to one of said backs and overlapping the adjacent back, a channel guide carried by the adjacent back for telescopically receiving said rack bar, a latch secured to said adjacent back and slidable through said guide transversely of said rack for locking the same against movement in one direction, said latching member being disposed between said rack and said adjacent back, complementary telescoping members secured to the end edges of said back for reinforcing and guiding said backs during their relative movement, and releasable means carried by the backs for preventing complete separation of the same.

2,248,346
METHOD FOR THE RECOVERY OF PHYTOSTEROL
Frederick H. Gayer and Charles E. Fawkes, Chicago, Ill., assignors to Continental Research Corporation, Chicago Heights, Ill., a corporation of Illinois
No Drawing. Application July 17, 1939, Serial No. 284,914
10 Claims. (Cl. 260—97.5)

1. The process of recovering phytosterol from a mixture thereof with oxy-resin acids, comprising converting the oxy-resin acids into their alkaline earth salts and extracting the phytosterol therefrom.

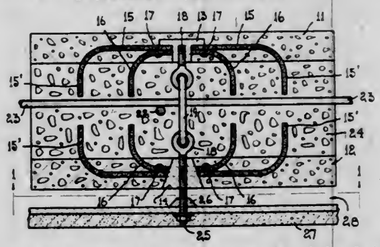
2,248,347
LOCKING THREAD CASE FOR SEWING MACHINES
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 20, 1939, Serial No. 274,674
14 Claims. (Cl. 112—38)

2. A hollow cylindrical locking thread case for a lock-stitch shoe sewing machine comprising a circular side wall and an end wall, the remaining end of the thread case being open to receive a supply of thread, a yielding thread tension on the circular side wall, a quick threading guide eye in the circular wall of the thread case having a slot entering the open end of the thread case to direct the thread from within the thread case to the tension, and a quick threading guide



eye comprising a perforated lug extending radially beyond the circular wall at the closed end of the thread case and having a thread entering slot between the lug and the circular wall of the thread case to direct thread from the tension towards the work.

2,248,348
WALL CONSTRUCTION
Edward M. Hall, Omaha, Nebr.
Application December 13, 1939, Serial No. 308,985
3 Claims. (Cl. 72—30)

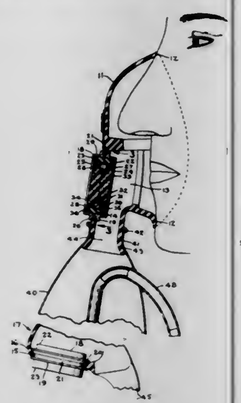


1. In wall construction, concrete slabs laid in horizontal courses providing an outer and an inner wall-section and a channel between said wall-sections, anchor-nuts disposed opposite to each other embedded in the wall-sections and extending to the channel, eye-bolts threaded in the anchor-nuts, spacing-bars spanning the channel and mounted in the eye-bolts, sheets of wire mesh mounted on the anchor-nuts each having a part embedded in a wall-section and having an end-portion extending into said channel, and concrete material in said channel for embedding therein the spacing-bars and end-portions of said sheets of wire mesh.

2,248,349
INHALATION DEVICE FOR USE IN AVIATION AT HIGH ALTITUDES
Jay A. Heidbrink, Minneapolis, Minn., assignor, by mesne assignments, to Air Reduction Company, Incorporated, a corporation of New York
Application December 14, 1939, Serial No. 309,172
5 Claims. (Cl. 128—202)

1. An inhalation device comprising a casing that forms a breathing chamber when the casing is applied to the face of the wearer, a rebreathing bag having connection with said breathing chamber and having a maximum volume substantially less than the volume of an exhalation or inhalation in normal breathing, an aperture from said breathing chamber, a pad of porous material such as sponge rubber in said aperture through which gases on inhalation and exhalation must pass, and means engaging said

pad and responsive to variations of air pressure which will act upon the same to compact it as air pressure falls and thus will maintain the



breathing restriction set up by the sponge rubber closure substantially constant and will prevent increased volumes of air passing through the pad as air pressure diminishes.

2,248,350

CONTROL SYSTEM

Robert H. Hill, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 21, 1939, Serial No. 295,857
6 Claims. (Cl. 250—20)



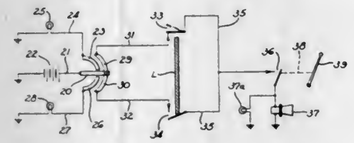
1. In an automatic tuning mechanism for radio receivers comprising, a tuning shaft, an electric motor operably connected to drive the shaft, a source of current, a power circuit including said motor, said source of current and motor control means movable to establish forward and reverse driving connections to the motor but normally held in the open circuit position, and a control circuit separately connected to said source of current including electromagnetic means for moving said motor control means, manually operable control circuit closing means having electromagnetic holding means therefor and switch means driven by said tuning shaft having an open circuit position for a given angular position of the tuning shaft and closed circuit positions on either side of this position to connect one or the other of said electromagnetic means and said electromagnetic holding means with said source of current.

2,248,351

CHECKING SYSTEM FOR AIRCRAFT

Howard R. Hughes, Houston, Tex., and Stanley A. Bell, Glendale, Calif., assignors to Hughes Tool Company, Houston, Tex., a corporation of Delaware

Application June 14, 1939, Serial No. 279,124
4 Claims. (Cl. 177—311)



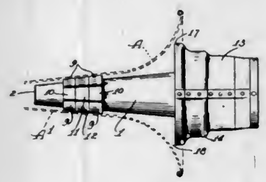
1. In an aircraft, means to check the disposition of an aircraft member that is movable into and out of a given position for a given operating situation, said checking means including: a checking member movable between a first position normal for flight and a second position, said second position representing said operating situation for the purpose of checking the disposition of said aircraft member; means on the aircraft adapted to take a position characterizing said given operating situation when said operating situation arises; means responsive to said checking member and said aircraft means to give a signal when said checking member is in said first position and said aircraft means is in said characteristic position, said signal being a reminder that said checking member should be moved to said second position for checking the disposition of said aircraft member for said operating situation; and means responsive to said aircraft member, to said checking member, and to said aircraft means to give a warning signal when said aircraft member is out of said given position while said checking member is in said second position and while said aircraft means is in said characteristic position.

2,248,352

MUTE FOR TRUMPETS OR LIKE INSTRUMENTS

Guy B. Humes, Chicago, Ill.

Application December 14, 1939, Serial No. 309,231
9 Claims. (Cl. 84—400)



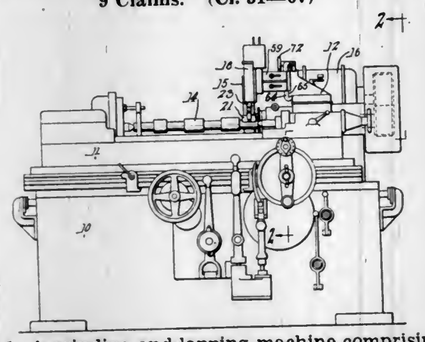
1. A mute comprising a hollow body of tapered form open at the smaller end and having a transverse wall at its larger end and a plurality of release tubes of relatively small bore open at both ends, grouped together within the body near the smaller end thereof and extending divergently toward the larger end of the hollow body and through said wall, a collar mounted on the larger end of the mute and having an inturned flange spaced from the open ends of the release tubes and providing a large central opening opposite the said transverse wall of the mute.

2,248,353

CYLINDRICAL GRINDING AND LAPPING MACHINE

Herbert S. Indge and George E. Hulbert, Westboro, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 9, 1939, Serial No. 260,676
9 Claims. (Cl. 51—67)



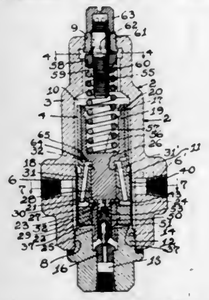
1. A grinding and lapping machine comprising a grinding wheel and means associated therewith for rotating a work piece and grinding a cylindrical surface thereon, an abrasive lapping stick, mechanism for reciprocating the stick in lapping contact with the rotating work surface while the work remains in its grinding position. mechanism for moving the lapping stick into contact with the work, means for moving the grinding wheel towards the work and means for preventing movement of the wheel towards the work until after the lapping stick has been removed therefrom.

2,248,354

PRESSURE REGULATING VALVE

Joseph F. Jaworowski, Allegan, Mich., assignor of one-half to Sam W. Emerson, Cleveland, Ohio

Application April 1, 1939, Serial No. 265,496
4 Claims. (Cl. 137—153)



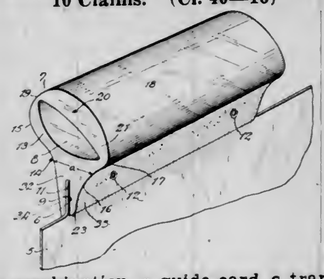
1. In a pressure regulating valve the combination of an elongated housing having a chamber, intake and outlet ports near one end of said chamber, and a pressure release port near the other end thereof, with a readily exchangeable, pressure actuated, substantially cylindrically shaped valve unit threadedly connected with said housing and extended into its chamber for controlling communication between said ports, said valve unit including valve controlled radial passages and channel-like recesses aligned with said passages, and said radial passages being adapted to be brought successively into communication with said intake port and said pressure release port, said valve unit furthermore including passage means in open communication with said intake port, and a tubular sealing means having its one end secured to said valve unit, encircling all said valve controlled passages and channels, and sealed with its other end to said housing intermediate its intake and pressure release ports to prevent communication of said passage means in said valve unit with said pressure release port.

2,248,355

ANGULAR TAB GUIDE

Charles E. Jones, Chicago, Ill., assignor to Charles L. Barkley and Peyton H. Barkley, a copartnership doing business as C. L. Barkley & Co.

Application October 17, 1940, Serial No. 361,543
10 Claims. (Cl. 40—16)



1. In combination, a guide card, a transparent guide tab and an indicia-bearing strip for said guide tab, said guide tab comprising a substantially solid molded body of thermoplastic material having two slots therein, one of said slots being vertically disposed to receive a marginal edge of said guide card, the other slot being angularly disposed with respect to the horizontal to receive said indicia-bearing strip, the wall structure adjacent the upper end of the vertical slot being of greater thickness than the wall structure defining said vertical slot.

2,248,356

METHOD OF PREPARING AMINATED ESTERS

Paul C. Jones, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application December 5, 1939, Serial No. 307,634
5 Claims. (Cl. 260—302)

1. The method of preparing aminated esters which comprises reacting, with elimination of water by the combination of the —OH group of a thioalkylene hydrin and the —H of an amino group, a compound having the general formula R—S—A—OH wherein R represents a member of the class consisting of thiazyl, oxazyl, thiazolinyl, and oxazolinyl groups and A represents an alkylene group with a member of the class consisting of primary and secondary amines containing as a substituent, bound to a carbon atom adjoining an amino nitrogen of the amine, the acidic residue formed by removal of —H from the SH group of a thio-acid.

2,248,357

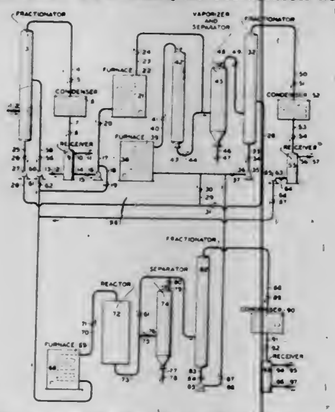
HYDROCARBON CONVERSION

Elmer R. Kanhofer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application July 31, 1939, Serial No. 287,484
2 Claims. (Cl. 196—49)

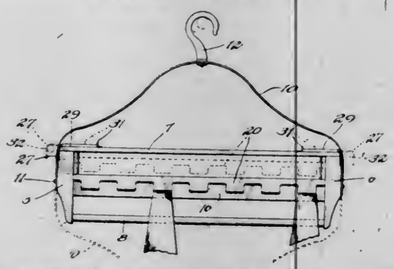
2. A process for producing motor fuel of high

octane rating and low olefin content which comprises fractionally distilling crude petroleum and separating therefrom a light straight-run fraction containing gasoline components of low anti-knock value and a heavier predominantly saturated fraction, thermally reforming said light fraction and supplying resultant reformed gasoline products to a catalytic conversion zone con-



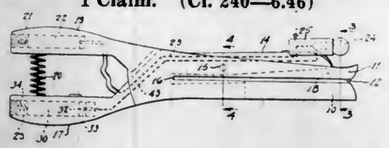
taining a cracking catalyst, subjecting said gasoline products to the action of said catalyst at a temperature in the approximate range of 500 to 800° F. and in admixture with a quantity of said heavier fraction and for a contact time sufficient to saturate at least the major portion of the olefin content of said gasoline products, and fractionating and condensing the resultant vaporous conversion products.

2,248,358
NECKTIE HOLDER AND HANGER
Georgina G. Keeler, Chicago, Ill.
Application October 31, 1938, Serial No. 237,841
3 Claims. (Cl. 223—91)



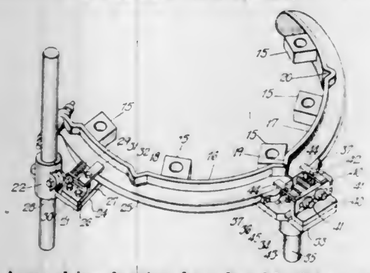
1. A rack for supporting neckties comprising a frame including end pieces, a lower crossbar having spaced apart recesses in the upper edge thereof to receive neckties hung therefrom, and a companion crossbar slidable vertically in the frame above the necktie supporting bar and having downward projections correspondingly spaced apart with respect to the aforementioned recesses to engage the neckties and clamp them within the recesses, whereby the recesses prevent lateral movement of the neckties on the supporting bar and the projections on the slidable bar prevent longitudinal movement thereof when clamped in the rack; together with means associated with the rack for supporting the same and including a yoke pivoted to the ends of the frame for suspending the rack, and means projecting from the ends of the frame adapted to cooperate with the yoke to prevent swinging or tilting of the rack when suspended.

2,248,359
ILLUMINATED PUNCH
Jonas Klopfenstein, Portland, Oreg.
Application May 19, 1939, Serial No. 274,546
1 Claim. (Cl. 240—6.46)



An illuminated punch for use by traffic officers consisting of a handled jaw member having an elongated ticket receiving slot formed in one end thereof extending toward its handled end, a pivot disposed on one side of said slot between the ends thereof, the side of said jaw containing said pivot having an enlarged opening at its open end and the opposite jaw having a registering punch opening therein, a handled punch point jaw mounted on said pivot having a punch adapted to pass through said enlarged opening into said punch opening, an electric lamp mounted on said punch and in front of said enlarged opening and dry cells disposed within the handles of said jaws connected to said lamp and grounded to said jaws whereby the light rays passing through said enlarged opening illuminate a portion of an object to be punched.

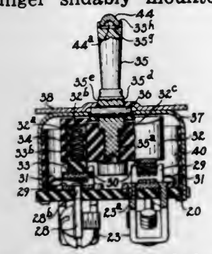
2,248,360
BUTTON MAKING MACHINE
Warren E. Knott, Federalsburg, Md., assignor to Excelsior Pearl Works, Inc., New York, N. Y., a corporation of New York
Application October 9, 1936, Serial No. 104,817
4 Claims. (Cl. 79—12)



3. A machine having knocker blocks carried in an orbital path, guiding means in engagement with less than all of said blocks at one time, said means having a floating mounting enabling said means to approach into intimate contact with said blocks, and means for constantly actuating said guiding means into such intimate engagement with blocks contiguous thereto.

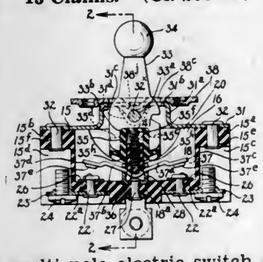
2,248,361
ELECTRIC SWITCH
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 7, 1939, Serial No. 283,175
9 Claims. (Cl. 200—68)

1. In a multi-pole electric switch, in combination, an insulating base, a plurality of sets of spaced stationary contacts carried by said base, a contactor loosely and tiltably supported by one of the stationary contacts of each set and having an end portion overlying another contact of such set, an oscillatable metal operating lever pivotally supported above said insulating base, a molded insulating block rigidly attached to and movable with the lower end of said lever, said insulating block having a plurality of downwardly opening recesses formed therein and respectively alined with said contactors, an insulating plunger slidably mounted in each of



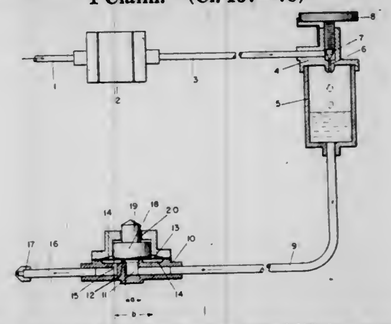
said recesses, said plungers being arranged in parallel relationship to each other, a coiled compression spring interposed between the inner wall of each recess and its associated plunger to bias the latter toward its associated contactor, said plungers cooperating with said contactors to effect tilting movements of the latter with a quick action into and out of engagement with the aforementioned other stationary contacts of said sets upon movements of said operating lever in opposite directions respectively, and each of said contacts having a wiring terminal element associated therewith and exposed at the lower surface of said base.

2,248,362
ELECTRIC SWITCH
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 16, 1940, Serial No. 365,907
13 Claims. (Cl. 200—6)



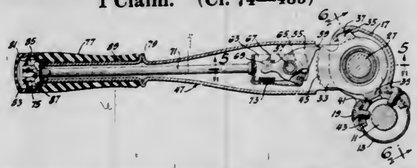
1. In a multi-pole electric switch adapted for control of alternating current circuits, in combination, a molded insulating base of substantially rectangular contour adapted to be produced by a straight-line molding operation, said base having a relatively deep substantially rectangular recess formed therein and opening to the upper surface thereof, said base having at least one insulating barrier formed integrally with the bottom and end walls of said recess, the end portions of said barrier being of a height substantially coextensive with the height of said recess to thereby provide a pair of substantially separate arcing compartments, a stationary contact located in each of said compartments adjacent to one end of the latter, a bridging contactor supported within an open pivotal bearing in each of said compartments in predetermined spaced relation to the respective stationary contacts, means for effecting like operation of said contactors jointly into and out of bridging relation to the respective stationary contacts, said last mentioned means including an oscillatory insulating block and spring-pressed elements carried thereby for cooperative engagement with the respective contactors, the intermediate portion of said barrier being shaped to provide for clearance between the same and at least a portion of said block during oscillatory movement of the latter within said recess, and wiring terminal members respectively associated with each of said contacts and said contactors, said last mentioned members being exposed upon the lower surface of said base.

2,248,363
WATER FEED DEVICE
Otto J. Kuenhold, Sr., Shaker Heights, Ohio, assignor to Monmouth Products Company, Cleveland, Ohio, a corporation of Ohio
Original application July 31, 1935, Serial No. 34,047, now Patent No. 2,166,414, dated July 18, 1939. Divided and this application March 21, 1939, Serial No. 263,263
1 Claim. (Cl. 137—78)



In a water feed device for humidifying systems comprising a source of constant pressure water supply, a water delivery outlet, means for gradually building up pressure in said delivery outlet, said means comprising an atmospherically sealed transparent chamber having separate water inlet and outlet ports, with the inlet port at a higher level than the outlet port, and a needle valve associated with said inlet port and adapted to so control the passage of water therethrough into the chamber as to cause it to fall in drops into said chamber.

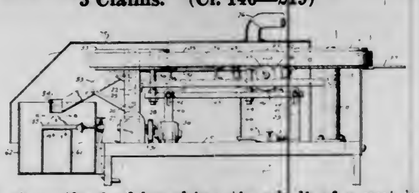
2,248,364
EMERGENCY BRAKE
Albert E. Leach, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 29, 1939, Serial No. 311,446
1 Claim. (Cl. 74—485)



Emergency brake operating means for vehicles having a steering column and a steering wheel, said means including a bracket carried by said column, said bracket having upper and lower arms and a space between said arms, a brake actuating shaft journaled in one of said arms,

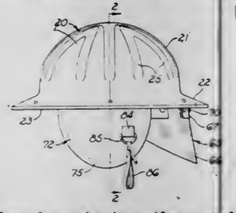
a ratchet plate within said space and positioned by said bracket and column, said plate extending laterally from said bracket, a manually operable lever extending at right angles to said shaft and located beneath said steering wheel, said lever having a bifurcated end, the furcations embracing said ratchet plate and secured to said shaft, a pawl pivoted to said lever to engage said ratchet plate, a rotatable hand grip on said lever and means operably connected to said hand grip to release said pawl from said ratchet plate.

2,248,365
METHOD OF SHELLING NUTS
Arthur S. Leonard, Berkeley, and Harry B. Walker, Davis, Calif., assignors to The Regents of the University of California, Berkeley, Calif., a corporation of California
Application February 27, 1940, Serial No. 321,020
5 Claims. (Cl. 146—219)



1. A method of breaking the shell of a nut including the steps of: introducing an explosive in gaseous form inside the shell of the nut in the space between the kernel and the shell, and immediately thereafter igniting the explosive to explode the same and burst the shell without substantially injuring the kernel.

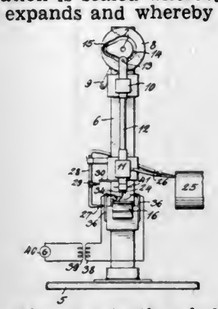
2,248,366
SAFETY HAT
Howard B. Lewis, Venice, Calif.
Application October 2, 1939, Serial No. 297,465
13 Claims. (Cl. 2—3)



1. In a head protector, the combination of: a hat shell; a head-band assembly; a plurality of headed pins mounted on said shell at spaced points; and a corresponding plurality of clips attached to said head-band assembly and having keyhole apertures for releasable engagement with said clips, said keyhole apertures being disposed with their smaller ends in the directions to which said pins tend to move relative to the apertures when the weight of said shell is transmitted to said head-band assembly on a wearer's head.

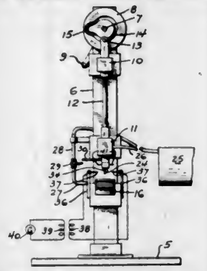
2,248,367
METHOD OF SHELLING NUTS
Arthur B. Low, Denver, Colo., assignor to The Regents of The University of California, Berkeley, Calif., a corporation of California
Application November 25, 1938, Serial No. 242,128
1 Claim. (Cl. 146—219)

The method of shelling nuts which comprises, perforating the shell, introducing an explosive gas through the perforation, sealing the perforation against the escape of gas and passing a high tension electric spark through the nut shortly after the gas is introduced and while the perforation is sealed whereby the gas is ignited and expands and whereby the pressure is



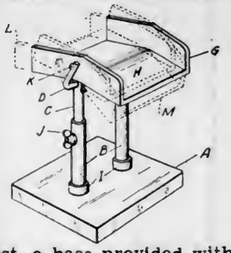
produced which bursts the shell, without substantially injuring the kernel.

2,248,368
APPARATUS FOR CRACKING NUTS
Arthur B. Low, Denver, Colo., assignor to The Regents of The University of California, Berkeley, Calif., a corporation of California
Original application November 25, 1938, Serial No. 242,128. Divided and this application January 15, 1941, Serial No. 374,486
4 Claims. (Cl. 146—8)



1. A machine for shelling nuts, comprising in combination a support, a shelf for supporting a nut, a bearing, a plunger mounted for reciprocation therein, means for reciprocating the plunger towards and away from the shelf, the end of the plunger nearest the shelf having a tubular pin for perforating the shell of a nut positioned on the shelf, a source of means for flowing an explosive gas through the pin and into a nut when the pin is in nut puncturing position, and means for igniting the gas in the nut whereby the latter explodes and shatters the nut.

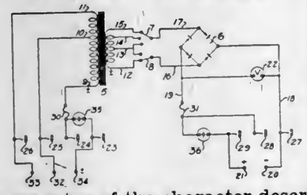
2,248,369
LEG REST
John Ludersen, Seattle, Wash.
Application February 14, 1940, Serial No. 318,915
1 Claim. (Cl. 155—169)



In a leg rest, a base provided with standards, a cross bar rotatably mounted in the ends of said

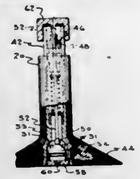
standards, said bar having upturned ends pivotally carrying said leg rest, whereby said rest may be tilted and reciprocated.

2,248,370
RECTIFIER SYSTEM
Arthur B. MacTaggart, Toledo, Ohio
Application July 21, 1939, Serial No. 285,765
2 Claims. (Cl. 175—363)



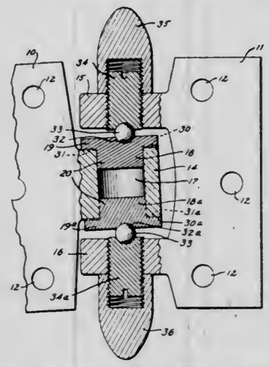
1. In apparatus of the character described, the combination of a cabinet, a primary transformer coil therein, a wire in communication with said primary coil, a pair of jacks in communication with said wire, a switch interposed between said jacks, a fuse interposed between both of said jacks and said primary coil, a pair of wires in communication with said primary coil, a pair of jacks in communication with said pair of wires, a transformer secondary coil in said cabinet and in inductive relation with said primary coil, a plurality of leads in communication with said secondary coil, a rectifier, a pair of conductors communicating with said rectifier, switching means interposed between said conductors and said leads whereby said conductors may communicate with various of said leads, a pair of outgoing wires communicating with said rectifier, a pair of jacks communicating with one of said outgoing wires, a switch interposed between said last-named pair of jacks, a fuse interposed between said last-named switch and said rectifier, a jack in communication with the other of said outgoing wires, and a voltmeter in communication with both of said outgoing wires, all of said jacks, all of said switches, both of said fuses, and said voltmeter, being in exposed relationship relative to said cabinet whereby operations and adjustments do not require opening of said cabinet.

2,248,371
VALVE FOR PNEUMATIC TIRES
Richard F. Matthews, Norvell, Mich.
Application August 10, 1938, Serial No. 224,009
1 Claim. (Cl. 277—42)



A valve for pneumatic tubes having a plurality of separately inflated and deflated compartments comprising a valve stem, a valve core having a pin and located in said valve stem, an air passage through said valve stem and controlled by said valve core, a plurality of ports communicating with said air passage and adapted to communicate with the tube compartments, said ports being defined in a common wall structure and opening into a common chamber, a cap received upon the outer end of said valve stem and having a seat portion adapted to seat against the outer end of said valve stem to seal said air passage above said valve core, said cap having a portion engageable with said valve core pin to depress the same with said cap seating upon the outer end of said valve stem, valve means for said ports located in said common chamber and operatively connected with said valve core pin for placing said ports into communication with one another when said valve core pin is depressed by said cap, said valve means in one position closing said ports and in another position opening said ports for communication through said common chamber when said valve core pin is depressed to open said valve means.

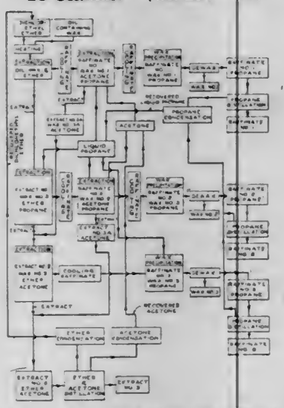
2,248,372
HINGE
Carl A. May, Akron, Ohio, assignor to The First Central Trust Company, Akron, Ohio, a corporation of Ohio, as trustee
Application January 11, 1939, Serial No. 250,341
1 Claim. (Cl. 16—129)



A hinge of the class described comprising a pair of hinge leaves, a pair of relatively spaced knuckles associated with one of said leaves, an intermediate knuckle associated with the other of said leaves, said intermediate knuckle having its opposite edges formed with axially aligned holes therein, and radial serrations extending from the edges of said holes, a pair of adapters adjustably mounted in said intermediate knuckle, said adapters being each formed with a body portion extending into one of said holes and an outer flange portion on the under side of which are formed radial serrations adapted to cooperate with the said radial serrations extending from the edges of the axially aligned holes in said intermediate knuckle to prevent said adapters from turning in said holes, said outer flange portions having formed therein a hemispherical socket constituting a bearing seat, the combined width of said flange portions and intermediate knuckle being sufficiently less than the distance between the two spaced knuckles to permit a substantial tilting movement of the intermediate knuckle and the said flange portions between the said relatively spaced knuckles, a pair of smooth surfaced balls disposed in said sockets for pivotally connecting the knuckles, adjustment screws contacting said balls, said adjustment screws serving to snugly engage said balls in opposition to said bearing seats and being adapted to be adjusted to move the assembled said intermediate knuckle and adapters between said pair of relatively spaced knuckles along a line parallel with the axis of said adjustment screws whereby taken in conjunction with the

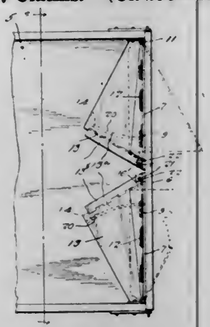
said adjustably mounted adapters a door supported by said hinge may be moved in any direction to facilitate the hanging of the door.

2,248,373
PROCESS FOR SOLVENT EXTRACTION OF MINERAL OIL
David R. Merrill, Long Beach, and Philip Subkow, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application November 12, 1932, Serial No. 642,371
13 Claims. (Cl. 196—13)



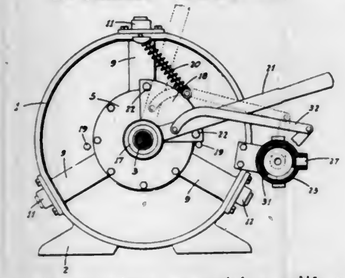
1. A process of separating paraffinoid and non-paraffinoid components from mineral oil which comprises mixing said oil with dichlorethyl ether, separating the extract soluble therein from the raffinate insoluble in dichlorethyl ether, mixing said raffinate with liquid propane, reducing the temperature of said raffinate to separate said raffinate into a second extract and raffinate and separating said second extract from said raffinate.

2,248,374
WINDROWING GATE
Jesse Dale Mitchell, Camdenton, Mo.
Application October 22, 1940, Serial No. 362,273
7 Claims. (Cl. 296—51)



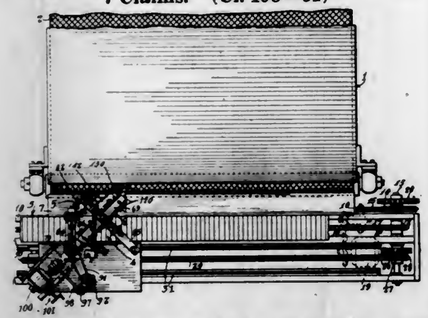
1. In combination with a dump bed and end gate therefor, substantially triangular-shaped plates secured to the inner side of the end gate, additionally substantially triangular-shaped plates hinged at one edge thereof to a corresponding edge of the respective first-named plates, said second plates having extending at right angles therefrom skirts overlying the bottom of said bed, said second-named plates also having vertical end edges hinged to the side walls of the bed; the second-named plates serving as supplemental side gates when the end gate is in open position.

2,248,375
BRAKE
Frank C. Moore, Coalinga, Calif., assignor of twenty per cent to John Edward Jensen, twenty per cent to Joseph Jessick and twenty per cent to Vernon L. Ward, all of Coalinga, Calif., and twenty per cent to David E. Peckinpah, Fresno, Calif.
Application February 28, 1940, Serial No. 321,253
10 Claims. (Cl. 188—91)



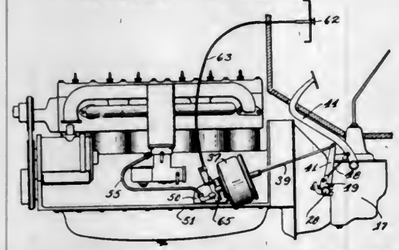
1. A brake structure comprising, with a rotating part to be braked, an eccentric fixed on said part, a plunger unit extending radially of the part and normally engaging the eccentric, means to hold the unit thus engaged, relatively stationary means mounting the unit for movement radially of the part, means to resist radial outward movement of the unit, control means to govern the effectiveness of said resistance means and means between the last named means and said resistance control means to nullify the resistance when the unit is being withdrawn.

2,248,376
CONVEYER SYSTEM
James E. Moore, Los Angeles, Calif., assignor to Maywood Glass Co., Maywood, Calif., a corporation of California
Application April 1, 1940, Serial No. 327,105
7 Claims. (Cl. 198—31)



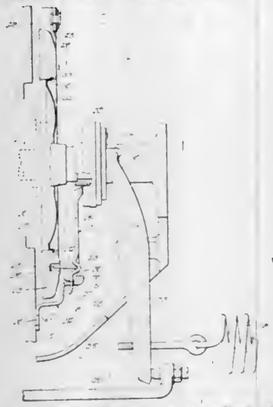
1. In combination, a first conveyer for moving articles in tandem relation thereon, a second conveyer, an edge of which is parallel to a portion of said first conveyer, a carriage, and means for reciprocating it back and forth parallel to the direction of movement of said first conveyer, and lateral conveyer means on said carriage comprising a belt extending at an oblique angle across said first conveyer in the path of articles thereon, means for movably supporting said belt solely on said carriage, and means on said carriage for driving said belt, whereby articles intercepted by said belt are shifted laterally off said first conveyer by said belt with substantially no sliding movement between the articles and the belt.

2,248,377
CLUTCH CONTROL
Harold Nutt, Chicago, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 8, 1933, Serial No. 669,964
29 Claims. (Cl. 192—105)



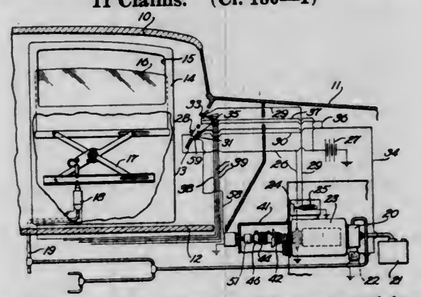
29. The combination with an internal combustion engine having an accelerator and an intake manifold, of a clutch mechanism including means for automatically causing clutch engagement upon operation of the engine above idling speed, releasable means for permitting clutch engagement irrespective of the operation of said automatic means, a vacuum clutch control communicating with said intake manifold for operation thereby and operably connected to said releasable means for operating the latter, valve means operable by said accelerator for controlling the vacuum conditions opposed on the vacuum clutch control by the vacuum within the intake manifold.

2,248,378
FRICTION CLUTCH
Harold Nutt, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 15, 1939, Serial No. 284,606
14 Claims. (Cl. 192—68)



1. In a friction clutch, a driving element, a driven element, a pressure plate, a plurality of lever mounting brackets secured to the driving element in annular array, each of said brackets including an arcuate raised portion partially receiving a peripheral region of the pressure plate and a fulcrum portion extending rearwardly from said raised region and terminating in an inwardly turned arched flange, the end regions of which merge with said raised portion, a plurality of engagement levers extending through and fulcrumed in said fulcrum portion and arranged in thrust transmitting relationship to said pressure plate, and means for exerting thrust against the inner ends of said levers.

2,248,379
HYDRAULIC WINDOW REGULATOR
John B. Parsons, Toledo, Ohio
Application August 5, 1939, Serial No. 288,611
11 Claims. (Cl. 180—1)



8. A window regulating system comprising a movable window, fluid actuated means connected to move said window, an internal combustion engine, an electric motor, a shaft connected to be driven by said motor, a pinion slidable on said shaft into engagement with the engine fly wheel for starting, a pair of coacting clutch parts, means operatively connecting one clutch part to said pinion, said last clutch part being rotatable independently of said shaft, a mounting for the other clutch part enabling same to rotate with but movable longitudinally of said shaft into and out of engagement with said first clutch part, manually controlled means for actuating said other clutch part to connect said pinion to said shaft, and a pump driven by said motor for supplying fluid to said fluid means, said clutch parts being normally disengaged to permit said motor to drive said pump independently of the operation of said pinion to start said engine.

2,248,380
ROOF TRUSS
Axel V. Pedersen, Los Angeles, Calif.
Application April 30, 1940, Serial No. 332,447
14 Claims. (Cl. 108—23)

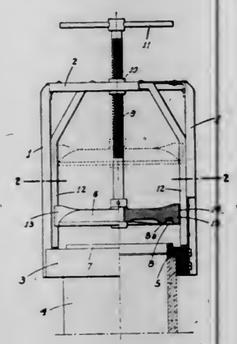


5. A curved top chord of a truss made up of laminations bent to conform to the curvature of the chord, the laminations being glued together with the top and bottom laminations being wider than the web laminations.

2,248,381
IRRIGATION VALVE
Ludwig E. Pedersen, Hughson, Calif.
Application December 18, 1939, Serial No. 309,813
1 Claim. (Cl. 251—43)

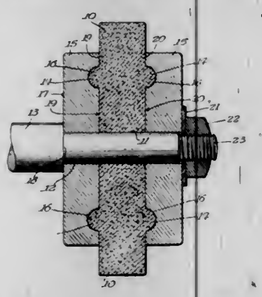
An irrigation valve comprising a ring-like base

having a valve seat formed about the top, a U shaped frame secured on the base and including uprights and a top cross member, a disc valve disposed between the uprights to cooperate with the seat, an operating member supported and depending from the cross member and connected



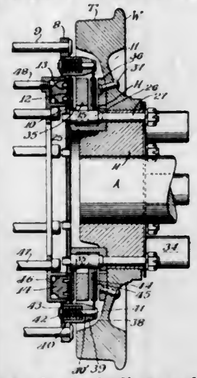
to the valve and guide bars secured on the inner face of the uprights, the valve having vertical grooves at the sides in which the bars ride and the bars, from a point some distance below the cross member, being bent to extend upwardly in converging relation to each other to connections with said cross member intermediate its ends.

2,248,382
GRINDING WHEEL AND MOUNTING THEREFOR
Charles J. Phillips, Kaukauna, Wis.
Application September 30, 1940, Serial No. 359,068
1 Claim. (Cl. 51—168)



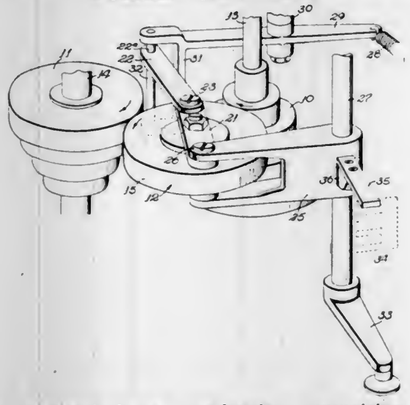
A grinding wheel provided with annular ribs projecting from the lateral faces thereof, disposed between the periphery and the axis of the wheel and spaced from both, the remaining portion of the lateral faces of said wheel being flat, the thickness of the wheel on both sides of said ribs being substantially uniform through the area thereof, an arbor upon which the wheel is mounted, spaced rigid discs mounted upon the arbor and between which discs the wheel is disposed, there being an annular groove in the faces of the respective discs which are adjacent the wheel for receiving said ribs, the remaining portions of said faces of the discs being flat, and means for clamping the flat surfaces of the discs in contact with the flat faces of said wheel, whereby the entire inner faces of the discs will be held in contact with the proximate faces of the wheel.

2,248,383
BRAKING ARRANGEMENT
Robert B. Pogue, Orange, and Maurice N. Trainer, East Orange, N. J., assignors to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware
Application December 6, 1939, Serial No. 307,746
9 Claims. (Cl. 188—33)



1. In a disc brake including a plurality of rotor and stator discs having interengageable facings, certain of such interengageable facings being constructed and arranged to afford a metal-to-metal engagement when engaged one with the other and other of such interengageable facings being constructed and arranged to afford a composition friction material-to-metal engagement when engaged one with the other, the interengagement of the aforesaid facings one with the other affording substantially uniform friction throughout a deceleration effected by such engagement.

2,248,384
SPEED-CHANGE MECHANISM
Andrew W. Redin, Rockford, Ill.
Application January 30, 1939, Serial No. 253,496
4 Claims. (Cl. 74—193)



1. A speed-change mechanism comprising, in combination, a pair of stepped-cone driving and driven pulleys disposed side by side in spaced relation, an idler roller intermediate said pulleys and shiftable generally axially of the pulleys into peripheral engagement with selected steps thereon, a toggle linkage embodying first and second pivotally connected links swingable in a plane substantially normal to the axis of said roller,

means for supporting said roller on said toggle linkage at a point adjacent the knee of the toggle linkage, a lever carried by a fixed pivot and swingable in a plane paralleling said first named plane, said lever and one of said toggle links being pivotally connected and the pivotal connection being adjustable in a direction paralleling the axis of roller rotation, and spring means yieldably urging said lever in a direction to bias said roller toward said pulleys.

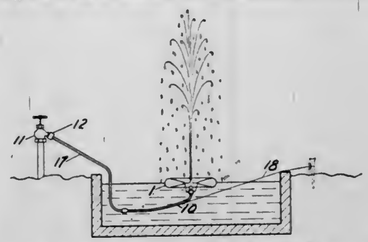
2,248,385
SEAL
Noel S. Reynolds, St. Louis, Mo.
Application September 3, 1940, Serial No. 355,107
3 Claims. (Cl. 288—14)



1. A seal for use with two relatively rotatable members having annular spaced apart surfaces positioned parallel to each other and at substantially right angles to the axis of rotation, said seal comprising an annular member having a portion shaped to provide an edge engageable with one of said parallel surfaces in substantial line contact and another portion formed of thin resilient metal having a marginal edge adapted for substantial line contact for directly engaging the other of said parallel surfaces, said last named metal portion being concavo-convex to provide the marginal edge and cause it to be spaced a greater axial distance from the first portion than other points thereof and also providing for deflection of said marginal edge axially a considerable extent toward the first portion without permanent deformation of said metal portion to thus permit the seal to be placed in operative position so that said marginal edge has pressure engagement with its cooperating surface and maintains said condition notwithstanding the spaced apart surfaces have limited axial movement toward each other when the members have relative rotation.

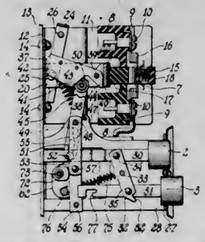
2,248,386
FOUNTAIN
Francis C. G. Richardson, Alhambra, Calif.
Application December 8, 1939, Serial No. 308,204
6 Claims. (Cl. 299—2)

1. In a device of the class described, the combination of a float having a central opening, a downwardly projecting bracket attached to said float; a vertical nozzle mounted on said bracket; means for attaching said nozzle to a source of water supply; and also means for vertically adjusting the said nozzle to a desired distance be-



low the water line when the said float is partially submerged.

2,248,387
CIRCUIT CONTROLLING MECHANISM
Theodore F. Rosing, Whitefish Bay, Wis., and William C. Stevens, deceased, late of Milwaukee, Wis., by Sally M. Stevens, executrix, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 3, 1939, Serial No. 288,110
8 Claims. (Cl. 200—124)

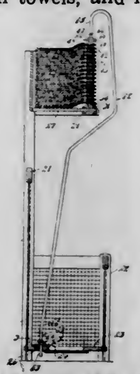


8. The combination with a movable switch element biased toward open position, a snap operating mechanism therefor including a start push button for closing said switch element and a stop push button for opening the same, said mechanism also including cooperating parts which are disengageable to render said mechanism ineffective to hold said switch in closed position, a collapsible toggle normally set to hold said parts in engagement and adapted to be tripped to effect disengagement thereof, a plurality of electro-thermally controlled devices of the solder type, each of said devices including a heater to be energized upon movement of said switch element into closed position and a spring biased tripping part releasable automatically under given electrical conditions in said heater to trip said toggle and means associated with said stop push button for resetting any or all of said spring biased tripping parts upon release thereof and for also effecting resetting of said toggle.

2,248,388
TOWEL CABINET
Jacques Rousso, Los Angeles, Calif.
Application January 31, 1938, Serial No. 187,853
9 Claims. (Cl. 312—37)

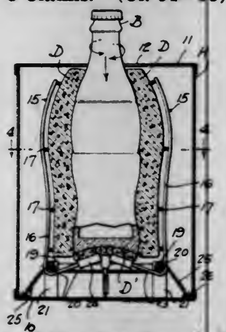
1. In a towel rack of the class described, a fixedly mounted lock housing and key operated lock therein, and a hopper for used towels, a rigid guide means for towels extending from said lock housing into said hopper to prevent displacement of the towels for misuse, said guide means having a section detachably connected to and bodily removable from the remainder of the guide

means and lock housing, and adapted to hold a plurality of clean towels, and means for locking



the towels on said removable section for transportation to and from a laundry.

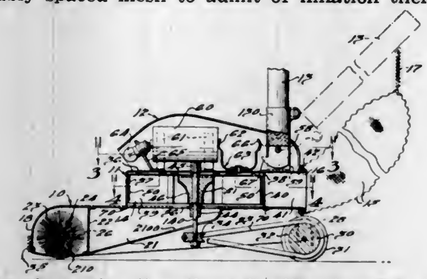
2,248,389
ARTICLE DRYING DEVICE
Granison M. Sanders, Downey, and William E. Lawler, Los Angeles, Calif.
Application November 14, 1939, Serial No. 304,346
3 Claims. (Cl. 34—95)



1. A device of the class described comprising: a plurality of side drying elements; means mounting said elements for movement relatively towards and away from each other about fixed axes; means urging said elements away from each other to a spaced relationship for insertion of an article between the elements for drying; supporting members laterally projecting from said mounting means into the path of inserting movement of an article between the elements; and an end drying element supported on said members and engageable by an inserted article to move the side drying elements about said axes into contact with the article.

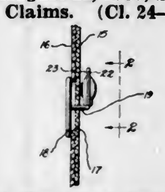
2,248,390
TOY VACUUM SWEEPER
Theodore A. Schaad, Detroit, Mich.
Application July 5, 1940, Serial No. 343,989
4 Claims. (Cl. 46—14)

1. In a toy vacuum sweeper including mobile means therefor, a siren pitched to simulate the noise of a vacuum sweeper including an impeller, an air inlet thereto and an air outlet therefrom, a reticulated bag fixed over said siren outlet, and means for rotating the impeller of the said siren operable by said mobile means responsive to pushing the toy across the floor whereby to simulate the noise of a vacuum sweeper, the said reticulated bag having suitably spaced mesh to admit of inflation thereof



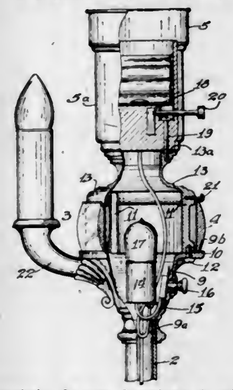
by air passing therethrough without unduly impeding passage of air from the said siren.

2,248,391
ORNAMENTAL PIN
Marie Schulze, Detroit, Mich.
Application August 11, 1939, Serial No. 289,563
2 Claims. (Cl. 24—104)



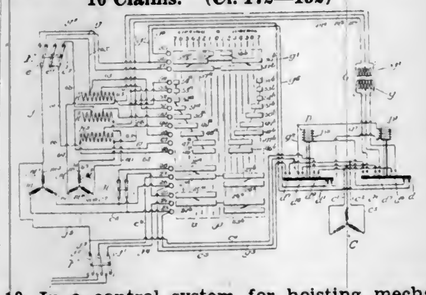
1. A pin of the class described comprising: a head; securing means connected to said head and adapted for projecting through a garment; an enlargement on said securing means; a clasp for embracing said enlargement for preventing withdrawal of said securing means from said garment, said clasp comprising a piece of material doubled upon itself to provide a pair of overlying plates, said plates each having a recess on its inner face for reception of said enlargement; and releasable means carried by said plates for securing said plates in embracing relation to said enlargement.

2,248,392
ELECTRIC LAMP
Eugene Schwarz, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application October 2, 1940, Serial No. 359,311
5 Claims. (Cl. 240—81)



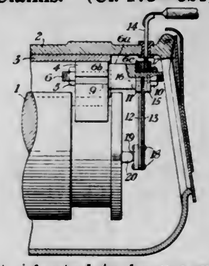
1. An electric lamp having a standard, said standard including an extended portion forming a base, a dome rigidly supported from and a distance above said base, a shell of light transmissible material resting loosely upon said base and extending upward to said dome to form together with said base and said dome a substantially closed receptacle, an auxiliary lamp socket disposed within said receptacle, and a main lamp socket mounted above said dome, the maximum outer diameters of both said dome and said main lamp socket being smaller than the minimum inner diameter of said shell.

2,248,393
CONTROLLING MEANS FOR HOISTING MECHANISMS
Ernst L. Schwarz, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application June 10, 1940, Serial No. 339,655
10 Claims. (Cl. 172—152)



10. In a control system for hoisting mechanism, the combination of a power-supply line, an electric induction hoisting-motor comprising a stator and a rotor subject to an overhauling load, a brake normally applied to the hoisting-motor, an electric motor for releasing the brake, hydraulic mechanism responsive to the speed of the brake-releasing motor for regulating the release of the brake, resistors for varying the speed of the hoisting-motor, a controller comprising switches at a series of lowering and lifting stations for establishing circuits for controlling the operation and speed of the hoisting-motor, means responsive to the controller at the first lowering station for connecting the stator of the hoisting-motor to the power-supply line, means responsive to the controller at the first lowering station for operating the hoisting-motor as a frequency and voltage converter when its rotor is driven by an overhauling load, electromagnetic switch-means responsive to the controller at the first lowering station for connecting the brake-motor to the rotor of the hoisting-motor for the operation of the brake-motor at a speed responsive to the frequency and voltage produced by the overhauling load for regulating the release of the brake, means for including resistance in the circuit of said rotor responsively to the controller at the second lowering station for increasing the speed of the brake-motor for an increase of the lowering speed of the overhauling load, means responsive to the controller at the third lowering station for including additional resistance in the circuit of said rotor and establishing circuits for operating the hoisting-motor as an asynchronous generator, and operating the brake-motor to release the brake for over-synchronous lowering of the loads, means responsive to the controller at the first lifting station for connecting the stator of the hoisting-motor to the power-supply line for the operation of the rotor, electromagnetic means responsive to the controller at the same station for connecting the rotor to the brake-regulating means for the operation of the brake-motor responsively to the frequency and voltage in the rotor circuit, electromagnetic switch-means responsive to the controller at the second lifting station for connecting the brake-motor to the stator of the hoisting-motor for the release of the brake, and means for selectively establishing circuits for operating the hoisting-motor as an asynchronous generator and connecting the brake-motor to the stator of the hoisting-motor for over-synchronous lowering of loads when the controller is at the first lifting and the first lowering station.

2,248,394
AXLE CONTACT
Andrew J. Sorensen, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 12, 1939, Serial No. 284,134
4 Claims. (Cl. 173—324)

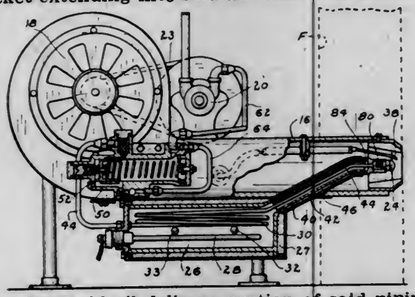


1. A contact adapted to be mounted within a journal box of a vehicle for providing good electrical connection between the axle and a conductor, said contact comprising a stud secured to the journal brass, a flexible contact finger mounted on said stud but insulated therefrom and held in a position on said stud in which its free end is opposite the center of the axle, a wear plate secured to the free end of said finger, a contact pin mounted in the center of one end of the axle in direct electrical contact with the axle and provided with a semispherical end which is engaged by said wear plate, and a terminal member mounted on said stud but insulated therefrom, said member being connected with said finger and having said conductor secured thereto.

2,248,395
FUEL OIL BURNER
Oscar C. Taper and John G. Frost, Seattle, Wash., assignors to Ray Oil Burner Co., San Francisco, Calif., a corporation of Delaware
Application September 7, 1939, Serial No. 293,830
7 Claims. (Cl. 158—36)

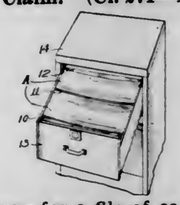
7. A pressure atomizing type oil burner adapted for burning of viscous oils comprising an air blast tube having an open air discharge end, a pressure atomizing nozzle adjacent said end, means for forcing oil under pressure to said nozzle, piping between said forcing means and said nozzle for conducting the oil, said piping including a coiled portion adjacent and underneath said air blast tube in which oil is adapted to be heated, and an upwardly inclined oil delivery portion extending into said air blast tube and which is connected between said coiled portion and said nozzle, a main liquid bath heating

chamber enclosing said coiled portion, said liquid bath heating chamber providing the sole heating means for the oil and being supported underneath and closely adjacent said air blast tube to provide a relatively compact and portable structure, an upwardly inclined cooling jacket extending into said air blast tube and sur-



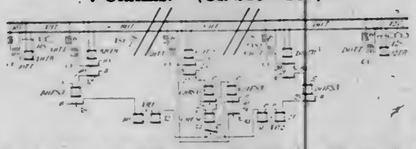
rounding said oil delivery portion of said piping, said jacket being connected at one end to said chamber to receive liquid therefrom and being closely adjacent said nozzle at the opposite end, and means for automatically withdrawing oil from said nozzle and said upwardly inclined oil delivery portion of said piping when said burner is shut off.

2,248,396
SHAPER FOR TABULATING MACHINE CARDS
Allen E. Terry, Los Angeles, Calif.
Application June 7, 1939, Serial No. 277,876
1 Claim. (Cl. 271—18)



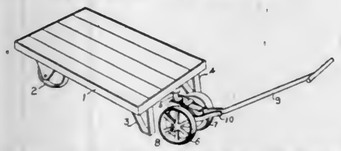
Shaping means for a file of cards in a cabinet comprising a pair of elements adapted to be placed against opposite end walls of said cabinet, said elements having complementary curved portions adapted to bend cards placed therebetween accordingly, and an intermediate plate element having the opposite faces thereof curved correspondingly to the curvature of said first elements and adapted to be placed in said cabinet between cards of said file.

2,248,397
RAILWAY TRAFFIC CONTROLLING APPARATUS
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 12, 1940, Serial No. 323,595
7 Claims. (Cl. 246—130)



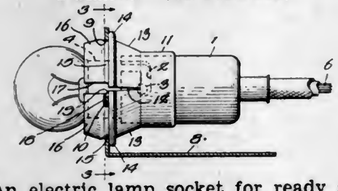
1. In combination, a stretch of railroad track having a pair of track rails having insulated joints therein to divide the track stretch into a plurality of successive track sections including a forward, an intermediate and a rearward track section, said track stretch including a first highway intersection located adjacent the rear of the forward section and a second highway intersection located adjacent the rear of the intermediate section, a first crossing signal protecting the first intersection and a second crossing signal protecting the second intersection, a first control relay operative when and only when energized to maintain the first crossing signal inactive, a second control relay operative when and only when energized to maintain the second crossing signal inactive, each of said track sections having a code following track relay having a winding receiving energy from the rails of said section, means governed by traffic conditions in advance of the forward section for supplying coded energy to the rails of said forward section, the track relays for the forward and intermediate sections each having associated therewith means operative when said relay is responding to coded energy to supply to the rails of the adjacent section in the rear energy of the same code frequency as is supplied to said track relay, means operative when the forward section track relay is not energized to supply uncoded energy to the rails of the intermediate section, means operative when and only when the intermediate section track relay is responding to coded or uncoded energy to supply energy to the first control relay, a supply circuit for supplying uncoded energy to the rails of the rearward section, means responsive to code following operation of the intermediate section track relay for interrupting said supply circuit, and means operative when and only when the rearward section track relay is responding to coded or uncoded energy to supply energy to the second control relay.

2,248,398
FACTORY TRUCK
William E. Thorne, Lansing, Mich., assignor to Lansing Company, Lansing, Mich., a corporation
Application November 8, 1939, Serial No. 303,471
1 Claim. (Cl. 280—46)



In a factory truck attachment, an axle, a pair of wheels attached to the ends of the axle, a casing pivotally carried by the axle, said casing having openings in the top, a handle pivotally carried by the axle and having an upturned lower end whereon the handle may be positioned vertically, said casing having outwardly projecting fulcrum blocks arranged to contact with the handle, a socket member suspended pivotally vertical in one of said top openings of the casing, said member having a vertical side recess and a vertical socket portion constructed to admit and engage a truck post, said socket member having a projecting lug arranged to contact with the casing when said handle is raised thereby positioning the socket vertically, the said socket member having a notch located adjacent to the said lug, a foot lever extending outwardly through one of the said openings of the casing, a spring adapted to hold the lever raised, said lever passing downwardly below the axle and having an upwardly projecting finger constructed and arranged to be engaged and disengaged with the said notch by the movements of the said casing and foot lever.

2,248,399
ELECTRIC LAMP SOCKET
Felix J. Watts, Detroit, Mich., assignor to Utility Patent Trust No. 17,938, Union Guardian Trust Co., Detroit, Mich., a corporation of Michigan
Application April 22, 1940, Serial No. 330,913
4 Claims. (Cl. 173—339)



1. An electric lamp socket for ready attachment and removal from a lamp support having a circular opening for receiving the socket, said socket including a lamp receiving member, an expanded slit resilient sleeve secured at one end to the said member, said sleeve extending beyond the lamp receiving end of said member and having a collar formed thereon with a portion extending therebeyond to enter the support opening and depress the socket walls to allow the collar to engage the support and be held in engagement therewith by the resilient walls of the sleeve, and wherein the circular opening in the support is provided with a radial projection and the slit in the sleeve is adapted to receive said projection, and wherein the body of the sleeve is provided with a slot extending at one side of the slit in the sleeve adjacent the collar to receive the said radial projection.

2,248,400
STIMULATION OF FRUIT GROWTH
George S. Avery, New London, Conn.; dedicated to the free use of the Government and People of the United States
No Drawing. Application January 13, 1937, Serial No. 120,449. Renewed April 15, 1938
6 Claims. (Cl. 47—58)

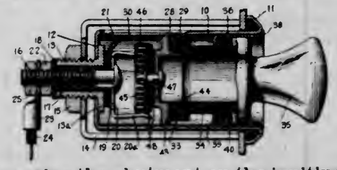
3. A method of producing fruits comprising placing on a blossom a hormone-like substance, selected from the group: Auxin A and B, heteroauxin, plant stimulants containing the indole or naphthalene ring and their derivatives, phenyl acetic acid, fluorene acetic acid, and anthracene acetic acid.

2,248,401
BRANCHED-CHAIN ALKYL-PHENYL-PHENOLS
Edgar C. Britton, Gerald H. Coleman, and Ralph P. Perkins, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 8, 1936, Serial No. 78,640
17 Claims. (Cl. 260—620)

1. An alkyl-phenylphenol containing as a substituent in the hydroxylated benzene ring at least one branched-chain alkyl group.

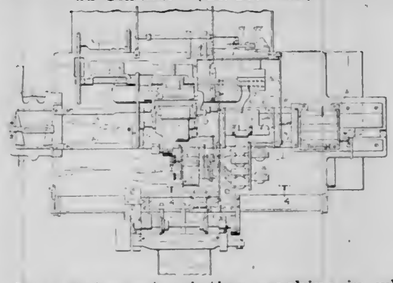
2,248,402
CIGAR LIGHTER
Russell D. Conboy, Waterbury, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application February 2, 1938, Serial No. 188,269
8 Claims. (Cl. 219—32)

1. In an electric cigar lighter, a holder; an igniting unit mounted on the holder for complete removal for use; a heating element carried by the igniting unit; an abutment formed on the igniting unit; a latch lanced from the holder



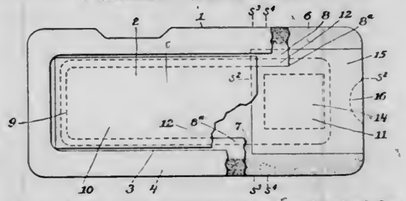
and engaging the abutment on the igniting unit to hold the heating element in circuit-closing position; and heat-responsive means for engaging and releasing the latch when the heating element has attained its predetermined heat.

2,248,403
STATEMENT PRINTING MACHINE
Harmon P. Elliott, Watertown, Mass., assignor to The Elliott Addressing Machine Company, a corporation of Massachusetts
Application June 11, 1940, Serial No. 339,893
21 Claims. (Cl. 101—58)



1. In a statement printing machine in which address and coded account bearing devices together with paper to receive address impressions therefrom are fed step by step through address printing mechanism, each of said devices having directly recorded thereon the addressee's account, means controlled by the coded account entries of the aforesaid devices for distinguishing between paid and unpaid entries and effecting itemized printing of the unpaid coded charges of each account for which a statement is addressed.

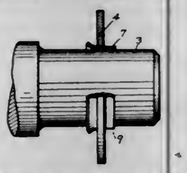
2,248,404
METAL INSERT FOR CARD STENCILS
Harmon P. Elliott, Watertown, Mass., assignor to The Elliott Addressing Machine Company, a corporation of Massachusetts
Application September 17, 1940, Serial No. 357,104
7 Claims. (Cl. 101—127)



1. A card stencil comprising a laminated frame providing a panel opening, a windowed welt sheet positioned between and attached to the frame laminations, a stencilizable panel formed of a fixed section and a removable section covering

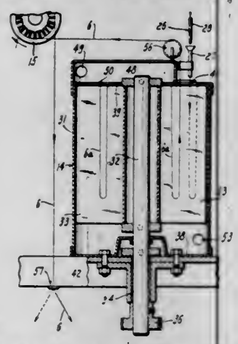
the window in the welt sheet, the said panel sections extending from opposite ends of the window and meeting in overlapping relation at an intermediate point therein, and a metal edging attached to the removable section and serving as a strengthening support for the overlapping portions of the panel sections.

2,248,405
SLINGER RING
Harold K. Freeman, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application May 5, 1938, Serial No. 206,229
3 Claims. (Cl. 286—5)



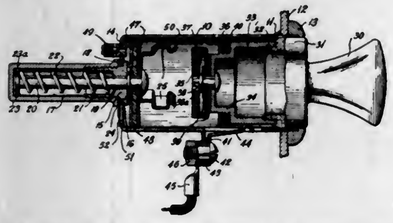
1. The herein described method of mounting a slinger ring upon a rotary shaft including disposing the ring in concentric relation upon a shaft for unison rotation in a plane substantially perpendicular to the axis thereof, providing in association therewith a flat disc-like expansible inner shaft engaging portion of initially less internal diameter than the shaft, distorting the inner shaft engaging portion in assembly with the slinger ring on the shaft, and expanding such inner portion within the ring by thrust engagement thereof over the end of the shaft, the construction and arrangement being such that the said inner portion is subjected to compressioned leak-tight frictional engagement with the shaft while comprising the sole support for the ring.

2,248,406
APPARATUS FOR DRYING THREADLIKE ARTICLES
Louis S. Fryer, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application August 31, 1938, Serial No. 227,753
6 Claims. (Cl. 34—157)



5. Apparatus for drying wet thread comprising an enclosure having an upright wall; a plurality of upright partitions extending transversely of said wall, disposed in said enclosure, said partitions forming spaces within said enclosure; means for supporting and moving said partitions along said wall; means for depositing the wet thread in said spaces in a series of loops at least one of which is disposed between each pair of adjacent partitions; means for drying the thread while suspended in said loops; and means for withdrawing the dried thread from said partitions.

2,248,407
CIGAR LIGHTER
Arthur A. Johnson, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application October 1, 1937, Serial No. 166,786
22 Claims. (Cl. 219—32)

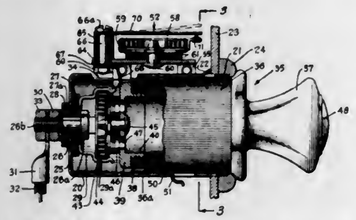


1. A cigar lighter comprising a holding device; an igniting unit mounted on the holding device for complete removal and replacement by hand for use; a heating element carried by the igniting unit; two pairs of cooperating contacts on the igniting unit and the holding device, both of which are adapted to be engaged to energize the heating element only while the igniting unit is being manually withdrawn from the holding device; and means for delaying the completion of the manual withdrawal of the igniting unit only until the heating element is properly heated for use.

2,248,408
METHOD OF MAKING CADMIUM RED PIGMENTS
Gordon M. Juredine, Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 19, 1939, Serial No. 268,701
16 Claims. (Cl. 106—301)

1. The method of making cadmium sulfoselenide pigment which comprises calcining basic cadmium sulfide with sulfur and selenium in a non-oxidizing atmosphere, whereby oxygen is eliminated from the basic sulfide and replaced at least in part by the selenium.

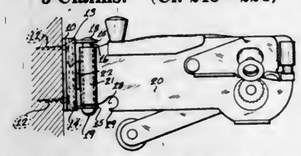
2,248,409
CIGAR LIGHTER
Herbert G. Lehmann, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application December 28, 1937, Serial No. 182,063
6 Claims. (Cl. 219—32)



3. In a cigar lighter, a holder; an igniting unit

mounted on the holder for complete removal for use, the igniting unit having a conducting cap at the inner end thereof and a heating element secured thereto; a contact in the base of the holder for engaging and closing a circuit through the heating element on the igniting unit when moved into energizing position; a heating element substantially like the first-named element mounted on the exterior of the holder and provided with a contact extending into the holder for engagement with the conducting cap on the igniting unit when the igniting unit has been moved into energizing position to thus complete a circuit through both of the heating elements; and heat-responsive switch means in the circuit and in heat-conducting relation with the heating element on the holder for opening the circuit when the last-named heating element has attained a predetermined temperature.

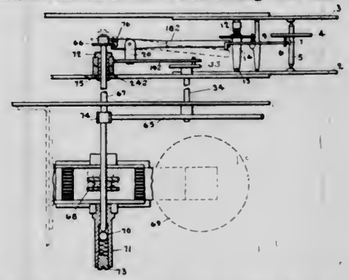
2,248,410
MOUNTING BRACKET
George J. Moeller, St. Louis, Mo., assignor to Dazey Churn and Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application December 23, 1939, Serial No. 310,753
3 Claims. (Cl. 248—224)



1. A swingable mounting bracket for a kitchen utensil, comprising a plate adapted for securement flatwise to a support, said plate having vertically spaced ears projecting forwardly from the outer face thereof, a vertical hinge pin secured at its ends to said ears, said plate having a recess the lower margin of which defines a lip having a convex upper edge, a notch formed in the apex portion of said lip, a bracket arm formed of sheet metal and mounted for horizontal swinging movement about, and vertical displacement along said hinge pin, an integral, rearwardly projecting locking tongue formed on said bracket arm, said tongue being adapted lockingly to seat in said notch when the bracket arm is disposed at right angles to said plate, said lip acting cammingly on said tongue to elevate the same for subsequent introduction into said notch when the bracket arm is swung from a lateral to a right angular position with respect to said plate.

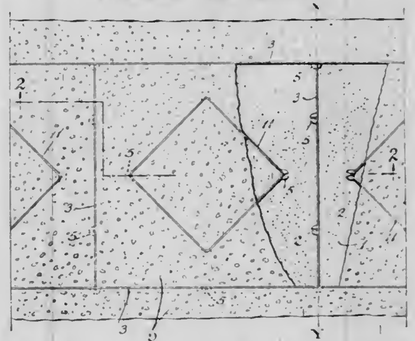
2,248,411
CLOCK AND ASSOCIATED TIMEKEEPING MECHANISM
Andrew H. Neureuther, Peru, Ill., assignor, by mesne assignments, to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application March 26, 1930, Serial No. 439,040
16 Claims. (Cl. 58—26)

7. In a clock, a timing means comprising an escapement wheel, a pallet fork, a standard rated balance wheel and hairspring, a power driving means to actuate said escapement wheel in combination with electrical means for producing synchronous motion, transmitting mechanism continuously connected therewith for directly coacting with said pallet fork to control the movements thereof independently of the standard rated balance wheel and hairspring when said means for producing synchronous motion is actuated and means for positioning said transmitting mechanism from controlling the movements



of said pallet fork when said means for producing synchronous motion is not actuated.

2,248,412
TERRAZZO FLOOR AND PATTERN AND GUIDE STRIPS THEREFOR
Leo Oppenheimer, New York, N. Y., assignor to Lockstrip Manufacturing Corporation, Long Island City, N. Y., a corporation of New York
Application December 14, 1938, Serial No. 245,547
7 Claims. (Cl. 94—17)



1. In a terrazzo or like floor, a cementitious underbed, a series of lengthwise and crosswise strips having portions thereof inserted in the underbed, guides formed out of the body of the lengthwise strip and extending outwardly from the face of the strip, said guides joining said strip along a line parallel with the top edge of said strip, slots in the guides, said crosswise strips having straight cut ends, said ends of the crosswise strips being inserted in said slots with the side walls of the slots engaging the side surfaces of the crosswise strips, said straight cut ends contacting the adjacent faces of the lengthwise strip, the strips being free at the guides to move relatively and independently change their positions should the floor sag and tend to cause lengthwise and crosswise strips to separate.

2,248,413
SEAT CONSTRUCTION
Alan E. Rathbun, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 22, 1938, Serial No. 220,765
4 Claims. (Cl. 155—179)

4. A seat comprising an open centered annular frame having a depressed leg receiving portion therein, flexible supporting means secured to said frame and extending across the center thereof, a

sponge rubber cushion carried by said supporting means and substantially embedding said frame therein, and mounting means secured to said frame and being positioned appreciably below said



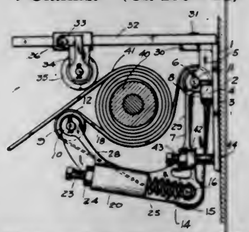
frame at the center thereof whereby the seat is adapted to support a person comfortably even though its center portion is depressed by the supported person.

2,248,414

AWNING CENTER SUPPORT

Edward H. Schane, Lakewood, Ohio, assignor to The Fanner Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 28, 1938, Serial No. 248,089
7 Claims. (Cl. 156—44)



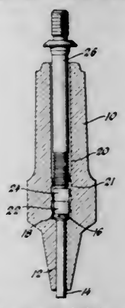
1. An awning center support embodying a wall bracket, a cradle hingedly connected thereto, comprising, a pair of L-shaped members, a roller mounted in said members at each extremity thereof, another roller loosely journalled in said members intermediate the first named roller, a belt trained over the rollers, an awning roll supported thereby and spaced from said rollers, and means interposed between said members and the intermediate roller to effect a movement of said intermediate roller for tightening the belt as the diameter of the awning roll increases.

2,248,415

SPARK PLUG ELECTRODE SEAL

Karl Schwartzwalder and Alexander S. Rulka, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 3, 1940, Serial No. 343,808
8 Claims. (Cl. 123—169)



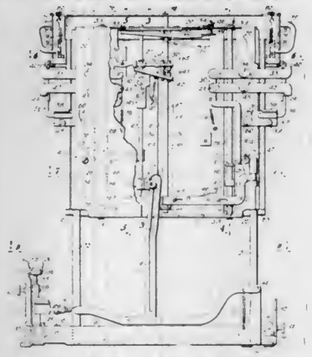
1. A spark plug comprising a ceramic insulator and an electrode secured thereto by an intermediate bond consisting of ceramic material having metal interspersed therein.

2,248,416

COPYHOLDER

Lewis W. Shafer, Bridgeport, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application April 16, 1940, Serial No. 329,938
12 Claims. (Cl. 120—29)



12. In a copyholder, the combination of a support, a carrier mounted for movement on said support between a collapsed and an operative position, releasable latching means for holding said carrier in one of said positions, copy holding and line indicating members mounted on said carrier, one of said members being mounted for movement relative to said carrier, releasable holding means for preventing retrograde movement of said movable member relative to said carrier, and means controlled by said latching means for releasing said holding means.

2,248,417

METHOD OF MAKING BUNGS

Cleo E. Shepard, Elmwood Park, Ill., assignor to John W. Shera, Oak Park, Ill.

Original application May 3, 1937, Serial No. 140,353. Divided and this application May 20, 1939, Serial No. 274,681
1 Claim. (Cl. 29—148.2)



The method of making a bung having a flange thereon and a cross bar therein, which consists in placing a bar with relatively sharp corners within a transverse slot in a male die with the ends of said bar projecting from the ends of said slot, placing a flat blank of sheet metal over the end of said male die, causing a complementary female die to approach said male die, whereby the metal in the blank is drawn around the end of the male die and caused to flow around the ends of said bar to form the bottom and cylindrical side walls of a bung and to embed the ends of the bar in the cylindrical side wall, said dies also simultaneously forming an outwardly turned flange normal to said side wall, and cutting a thread on the outside of said bung.

2,248,418

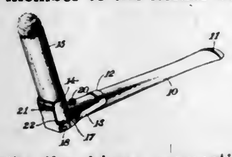
CIGARETTE HOLDER

Lewis Steinberg, San Francisco, Calif.

Application May 13, 1940, Serial No. 334,943
2 Claims. (Cl. 131—186)

1. The combination with a tubular holder body

of a clip having a substantially semi-circular portion adapted to slidably fit the holder body adjacent the end thereof and having forwardly extending arms, a relatively short cigarette holder member hinged to the arms, and a hinge connecting the member to the holder body diametri-



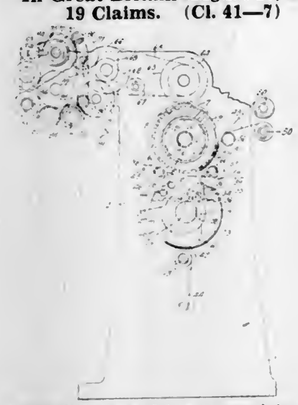
cally opposite the hinge connection with the arms permitting the member to be rocked upwardly at an angle to the holder body when the clip is shoved forwardly on the holder body and permitting the holder body to be disposed in alinement with the member when the clip is shoved rearwardly on the holder body.

2,248,419

BLOCKING MACHINE

John Thomas Auld, Tingley, near Leeds, England, assignor to R. W. Crabtree & Sons Limited, Leeds, England, a company of Great Britain

Application October 19, 1939, Serial No. 300,261
In Great Britain August 16, 1939
19 Claims. (Cl. 41—7)



14. A blocking machine comprising in combination a hollow die cylinder, a curved die-plate on the cylinder, means within said hollow cylinder to heat the die plate, an impression cylinder, means to rotate the cylinders, means to convey an article to be blocked between the cylinders as they rotate, a blocking ribbon supply spool, a ribbon take-up spool, the ribbon being taken from the first spool, between the two cylinders and thence to the take up spool so that the ribbon is engaged between the die-plate and the article as the cylinders rotate, and means to operate the take-up spool to take-up ribbon paid-out by co-operation between the plate and article.

2,248,420

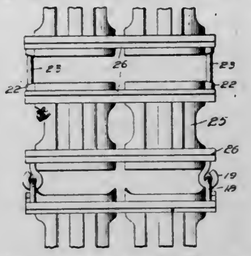
TIRE LUG CHAIN

Leo J. Bland, Orangefield, Tex.

Application May 1, 1939, Serial No. 271,181
3 Claims. (Cl. 152—220)

1. A tire lug chain, composed of a series of units flexibly connected together, each unit formed of two outwardly arched tread plates spaced apart and having the arch constant with the tread of the tire and parallel with each other

in the same plane, and straight bars forming calks rigidly secured to the outer faces of the



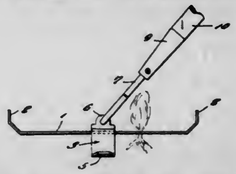
arched tread plates and rigidly connecting the same together.

2,248,421

WEED CUTTING IMPLEMENT

William E. Bouton, Atascadero, Calif.

Application May 22, 1940, Serial No. 336,629
2 Claims. (Cl. 97—68)



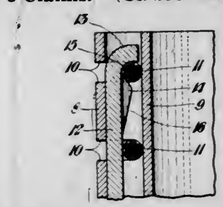
1. In an implement of the class described, a pair of flat elongated runners having upturned ends, respectively, a cutter bar having its opposite ends fixed to said runners, respectively, in the center thereof, a handle carrying bail journalled at its opposite ends on said runners with said opposite ends of the bail disposed directly over said opposite ends of the cutter bar, respectively, to extend between the runners for swinging movement, and a handle fixed to and extending from the center of said bail, said cutter bar comprising a double-edged blade part extending between the runners and below the level of the latter.

2,248,422

ROAD GUARD ASSEMBLY

Alan E. Brickman, Rostravor Township, Westmoreland County, Pa., and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

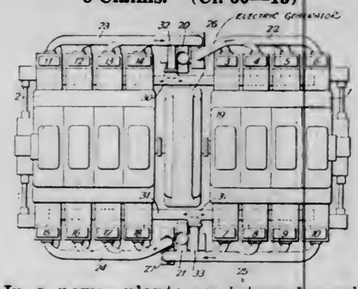
Application November 18, 1939, Serial No. 305,188
3 Claims. (Cl. 256—13.1)



1. A road guard bracket assembly including a spring metal part which has a slot with a guard cable positioned therein, and a stay pin driven between said part and said cable to hold the latter against outward movement, said pin being made of a half rounded strip having its top end bent in the direction of its flat side and a portion spaced from said end pinched to provide flanges

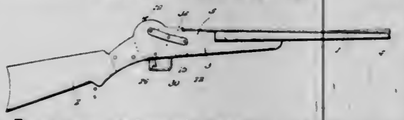
fitting beneath said cable when said pin is driven between it and said part with said bent top end in contact with said cable.

2,248,423
EXHAUST GAS TURBO-BLOWER MEANS FOR HORIZONTAL INTERNAL COMBUSTION ENGINES
Alfred Büchi, Winterthur, Switzerland
Application January 25, 1940, Serial No. 315,626
In Great Britain February 6, 1939
8 Claims. (Cl. 60—13)



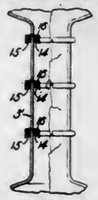
1. In a power plant; an internal combustion engine having a plurality of substantially horizontal cylinders with pistons therein and a crankshaft, said pistons being operatively connected with the engine crankshaft, a driven part, the driving end of said crankshaft being coupled to said driven part, exhaust gas driven turbo-blower means, spaced exhaust gas and charging air manifold means connected to the outer ends of said cylinders and extending transversely to said cylinders substantially within the vertical extent of the cylinders and the engine foundation, the turbo-blower means having a rotary shaft, means providing communication between the turbine and blower parts and the respective engine manifold means, said turbo-blower means being mounted at said driving end of the engine shaft with its rotary shaft directed substantially parallel with the crankshaft axis on a level substantially lower than the level of the crankshaft at the side of the respective engine cylinder laterally of said driven part within the prolongation of the contour of said part and that of the contour of said manifold means, when viewed in plan, said turbo-blower means and said manifold means being dismountable at said foundation level independently of said engine and said driven part.

2,248,424
TOY GUN
Samuel W. Coker, Colorado, Tex., assignor of one-half to Robert F. Singleton, Dallas, Tex.
Application May 11, 1939, Serial No. 273,095
3 Claims. (Cl. 124—19)



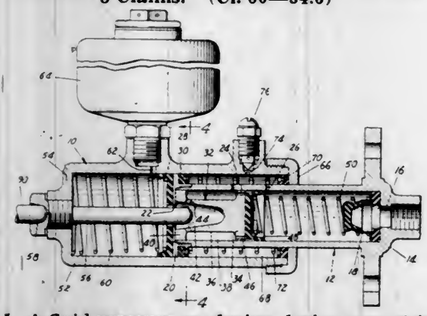
1. In a gun, a breech having a body portion, a pivot pin in the breech, a magazine trip lever mounted on the pin, a trigger bar having a detent and a shoulder, a trigger, and a link connecting the trigger bar and trigger, said magazine trip lever being movable end for end for positioning its end portions to successively receive the end portions of rubber bands stretched between said magazine trip lever and the forward end of the gun, said trigger being movable for shifting the link and trigger bar and releasing the trip lever whereby said lever will swing toward the shoulder for loosing one of the bands from the trip lever.

2,248,425
RECTIFIER TUBE
John W. Dorsey, Winnipeg, Manitoba, Canada
Application February 7, 1939, Serial No. 255,113
2 Claims. (Cl. 250—27.5)



1. A rectifier tube of the hot cathode vapor-filled type comprising an elongated envelope, a cathode and an anode at opposite ends of said envelope, and means for establishing a predetermined voltage gradient along the envelope walls between said cathode and anode, said means comprising a pair of conductive rings in transverse alinement and contacting respectively the inner and outer walls of the envelope.

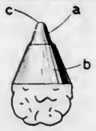
2,248,426
FLUID PRESSURE PRODUCING DEVICE
Owen H. Fowler, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application July 11, 1938, Serial No. 218,650
8 Claims. (Cl. 60—54.6)



1. A fluid pressure producing device comprising a small fixed cylinder, a large movable cylinder telescoping the small cylinder, a reservoir communicating with the large cylinder, a variable chamber between the peripheral walls of the cylinders continuously communicating with the small cylinder through its peripheral wall and adapted to communicate with the reservoir after a predetermined movement of the large cylinder, an orificed head on the inner end of the small cylinder, a reciprocable piston in the small cylinder, and means carried by the large cylinder for advancing the reciprocable piston.

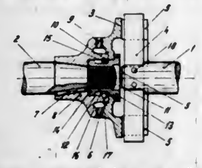
2,248,427
TOOL FOR DRESSING GRINDING WHEELS
Stanley Jaffa Harley and John Ernest Wainwright, Coventry, England
Application March 1, 1940, Serial No. 321,800
In Great Britain October 17, 1939
4 Claims. (Cl. 125—11)

1. Dressing means for grinding wheels consisting of a diamond formed with a frustro-conical base and an axially aligned conical point integral with said base, said point being of smaller diameter than said base at its juncture therewith in order to leave an annular shoulder on said base



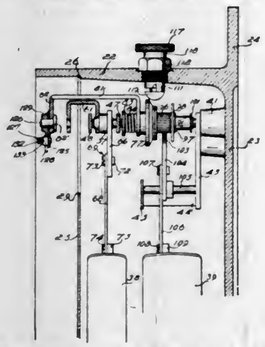
facing towards said point to confine fractures within said point, and the solid angle defined by said point being less than the solid angle defined by said base to give clearance between the diamond and the grinding wheel.

2,248,428
COUPLING
Leone Kamenarović, Milan, Italy, assignor to Fabrica Italiana Magneti Marelli Società Anonima, Milan, Italy, a corporation of Italy
Application June 1, 1937, Serial No. 145,895
In Italy June 1, 1936
3 Claims. (Cl. 64—15)



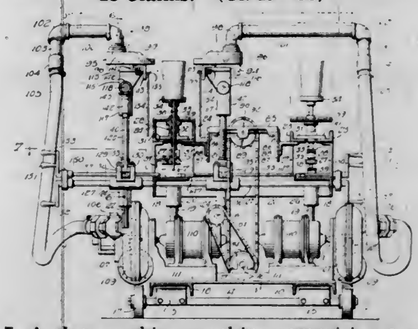
1. A coupling comprising a driven member fixed to a driven shaft, said member having an annular flange and an annular series of teeth, a driving member having an annular series of cooperating teeth, means locking said driving member to said driven member with said teeth in engagement and means limiting longitudinal displacement between said driven and driving members for adjustment of said teeth.

2,248,429
METER
Maximilian Klein and Reidar A. Tollefsen, Sellersville, Pa., assignors to United States Gauge Company, Sellersville, Pa., a corporation of Pennsylvania
Application July 13, 1938, Serial No. 219,075
8 Claims. (Cl. 234—66)



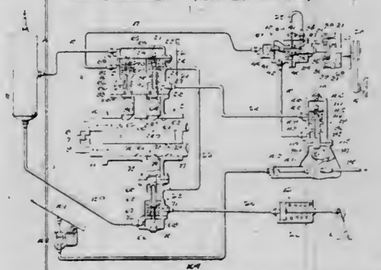
6. In a meter or the like, an indicating arm, means for actuating said arm comprising separable clutch elements, said arm being secured to one of said clutch elements, a device shiftable into engagement with said one clutch element for separating said clutch elements, said device being further shiftable while engaged with said one clutch element to move said arm to a predetermined position with respect to the scale of said meter, and cooperating formations on said one clutch element and said device for rendering said device inoperable to move said arm over said scale after said predetermined position has been reached.

2,248,430
GLASS WORKING MACHINE
Albert Breakenridge Knight, Fairmont, W. Va.
Application January 28, 1938, Serial No. 187,529
13 Claims. (Cl. 49—58)



7. A glass working machine comprising a pair of burners each provided with a plurality of aligned burner nozzles directed inwardly toward each other, means for conveying an article of glassware between said burners and past said nozzles, a vertical supporting post for each burner, a supporting crosshead for each post, independently operable controlling means carried by each crosshead for controlling the height of each burner with respect to the ware, each burner being pivotally supported on the upper end of its associated post on an axis parallel to the line of movement of the ware, independently operable means for tilting said burners on their pivot axes, and pivoted shields carried by said burners and depending from the inner edges thereof on opposite sides of the path of movement of the ware.

2,248,431
GEAR SHIFTING MECHANISM
Arthur R. Leukhardt, New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application March 11, 1939, Serial No. 261,360
21 Claims. (Cl. 192—.01)



1. In combination with an automotive vehicle engine having a throttle-controlling member, a

gear-changing mechanism including a plurality of members operable to establish different gear ratios, a clutch-controlling member, means including a fluid motor for controlling the clutch-disengaging and engaging movements of said last named member, valve means operable by said mechanism for controlling the energization of said motor, other valve means controlled by the speed of said engine for effecting energization and deenergization of said motor, means for rendering the last named valve means inoperative to energize the fluid motor, irrespective of engine speed, when the said mechanism is operated to establish a predetermined gear ratio, and means operated by movement of said throttle-controlling member to a predetermined position for effecting deenergization of said motor.

2,248,432

METHOD OF MAKING VENEERED VITRIFIED PRODUCTS

Donald E. Lower, Lansdale, Pa.

No Drawing. Original application August 29, 1936, Serial No. 98,596. Divided and this application February 21, 1938, Serial No. 191,825
10 Claims. (Cl. 25—156)

6. A material for veneering unvitrified tiles or bricks, comprising a pugged mixture consisting of a blend of selected vitrifiable clays, possessing selected color characteristics, and a relatively small proportion of phosphoric acid, and sufficient water to render the mixture plastic whereby it may be applied to one or more surfaces of an unvitrified tile or brick to unite therewith when the veneered tile or brick is fired.

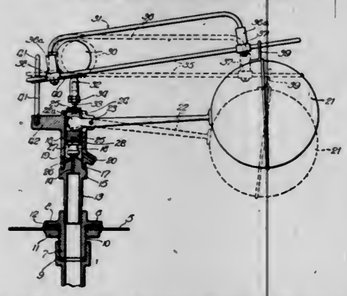
10. A veneer for tiles or bricks consisting of a mixture of vitrifiable clays, water, and phosphoric acid, adapted to be applied to the surface of an unvitrified tile or brick and subsequently bonded thereto when said veneered tile or brick is fired.

2,248,433

FLOAT VALVE

Henry H. Miller, Lincoln, Nebr.

Application March 30, 1940, Serial No. 326,899
6 Claims. (Cl. 137—104)



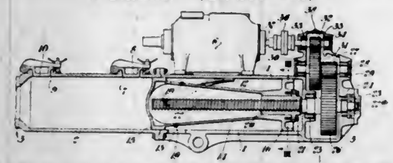
1. A float valve for controlling flow of liquid from a source of supply into a tank comprising, in combination, a valve member; an orifice member having an orifice whose discharge end is adapted to be closed by said valve member; a plunger carrying the valve member; an adjustable fulcrum member on the plunger; a ball race rockably supported near one end on said adjustable fulcrum; a ball weight movable longitudinally of the ball race as it rocks on said fulcrum; a float connected to the other end of the race; and a pivoted lever connecting the float with the plunger to control the position of the valve.

2,248,434

MUD GUN

Alfred Osolin, Shaker Heights, Ohio, and Jay W. Ferree, Swissvale, Pa.

Application March 26, 1938, Serial No. 198,316
8 Claims. (Cl. 266—42)



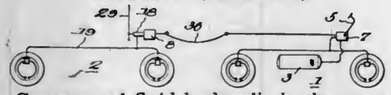
1. In a mud gun, a cylinder having a discharge nozzle, means for discharging material therefrom including a plunger carrying longitudinally spaced annular bearing portions which slidingly engage the interior wall of said cylinder so as to thereby guide the plunger in its movements, a threaded shaft rotatably mounted by the cylinder and restrained against axial movement thereby, the plunger having a threaded portion for coaction with the shaft, and interengaging means between the plunger and cylinder including a spiral element whereby longitudinal movement imparted to the plunger by said threaded shaft is effective to turn the plunger about its longitudinal axis.

2,248,435

COMPRESSED AIR ACTUATED HYDRAULIC BRAKE

Adam Pleines, Frankfort-on-the-Main, Germany, assignor to Alfred Teves Maschinen- und Armaturen Fabrik G. m. b. H., Frankfort-on-the-Main, Germany

Application June 17, 1939, Serial No. 279,761
In Germany June 14, 1938
3 Claims. (Cl. 188—3)



1. Compressed fluid hydraulic brake-operating system for motor vehicles having trailers comprising a source of compressed air, a hydraulic fluid system on the trailer for transmitting braking effort to the trailer wheel brakes, a compressed fluid motor on said trailer, a hydraulic master cylinder on said trailer connected to said hydraulic fluid system and having a piston directly drivingly connected to said motor, means at the driver's station on the motor vehicle for controlling the supply of compressed air to the motor, the hydraulic master cylinder on the trailer having a second piston therein operative from the opposite direction from the first-mentioned piston for applying brake-operating pressure to the hydraulic fluid, and means manually operable from a position on the trailer for actuating said piston, the master cylinder having abutments in rear of each of said pistons to limit rearward movement of the respective pistons when the other one thereof is applying pressure to the hydraulic fluid.

2,248,436

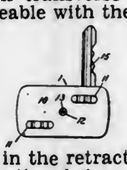
KEY CONTAINER

John V. Rivers, Columbus, Ohio

Application January 15, 1940, Serial No. 313,980
7 Claims. (Cl. 70—456)

1. A key container comprising a holder having a key receiving compartment, a key pivoted at one end to the holder to swing between retracted and

projected positions into and out of said compartment, a spring on the holder adapted to be tensioned by the key on its retracting movement for automatically projecting the key, a projection on the pivoted end of the key located at one side of and substantially in transverse alinement with its pivot and engageable with the spring for tensioning said spring in the retracted movement of the key, said projection being movable on the retraction of the key to a position beyond the dead center line between the pivot and spring for locking the key against movement by the spring in its retracted position, and a slide on the holder for releasing the key for projection by the spring.

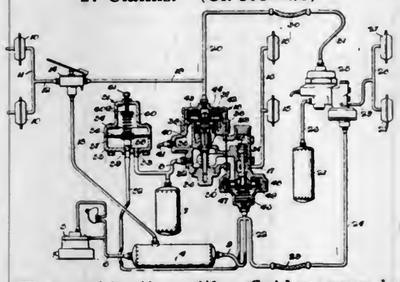


2,248,437

BRAKE MECHANISM

Dayton H. Robinson, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware

Application February 1, 1940, Serial No. 316,822
17 Claims. (Cl. 303—26)



1. The combination with a fluid pressure brake system of the type having fluid pressure brake actuators, a pair of fluid pressure reservoirs, manually controlled valvular means for controlling the flow of fluid pressure from the reservoirs to the brake actuators, and valvular means responsive to a pressure differential between said reservoirs for connecting one of said reservoirs with the brake actuators independently of the operation of the manually controlled valvular means, of means for normally preventing the operation of said second named valvular means including valvular means responsive to the pressure in one of the reservoirs for establishing a connection between said one reservoir and the other reservoir when the pressure in said one reservoir exceeds a predetermined value.

2,248,438

ENOL DERIVATIVES OF CYCLOPENTANO PHENANTHRENE COMPOUNDS AND PROCESS OF MAKING SAME

Leopold Ruzicka, Zurich, and Werner Fischer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application May 12, 1937, Serial No. 142,278. In Switzerland May 18, 1936
17 Claims. (Cl. 260—397.4)

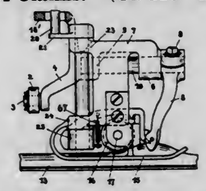
1. Process for the manufacture of new enol derivatives of 3-keto-cyclopentano-10, 13-dimethyl-phenanthrene, comprising heating a 3-keto-cyclopentano-10, 13-dimethyl phenanthrene compound with an acylating agent at a temperature of at least about 100° C. for a sufficient time to form an enol derivative which is acylated at the enolic hydroxy group.

2,248,439

BLIND STITCHING AND PIQUÉ MACHINE

Kurt Scheibel, Dresden, Germany, assignor to "Wurker", Dresden, Germany

Application July 26, 1937, Serial No. 155,803
In Germany February 2, 1934
14 Claims. (Cl. 112—176)



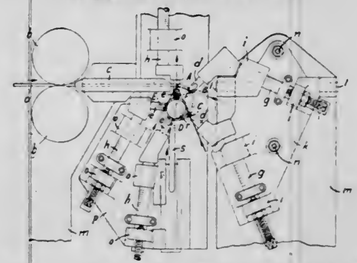
2. In a blind stitch sewing machine having a work support, a presser foot and work feeding means, the combination of an arm pivotally supported above the presser foot, an oscillating needle mounted on said arm, the path of oscillation of said needle being transverse to the line of feed, a fabric bender extending through an opening in the presser foot, an oscillating looper operating above the presser foot and cooperating with said needle, a universal joint support for said looper, a cam guide for imparting an upward movement to said looper to raise the latter over the fabric bender, and oscillating cam and follower connections between said needle supporting arm and said looper to vibrate the latter in timed relation to the movements of the needle supporting arm.

2,248,440

PROCESS AND APPARATUS FOR MAKING HELICAL TENSION SPRINGS HAVING PARTICULARLY GREAT PRELIMINARY TENSION

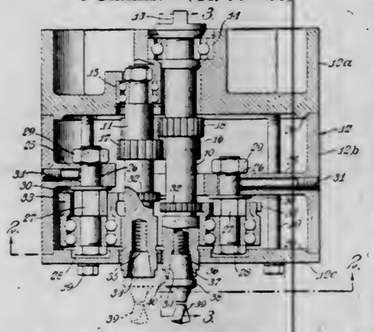
Otto Schmid, Reutlingen, Germany

Application September 15, 1939, Serial No. 295,128
In Germany August 7, 1937
14 Claims. (Cl. 153—65)



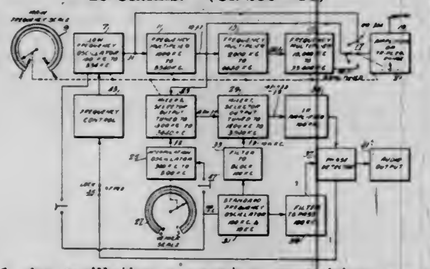
1. A device for making helical tension springs with high initial tension, comprising a set of winding tools adapted to impart to spring wire preliminary curvature of larger diameter than that of the helical spring to be made therefrom, and a set of winding tools arranged to operate on the wire curved by the first mentioned set to impart further curvature to the wire to bring it to final diameter and form.

2,248,441
BORING HEAD
Claude Shaw, Bristol, Va.
Application March 27, 1939, Serial No. 264,444
6 Claims. (Cl. 77—22)



1. A boring head comprising a plurality of spindles in laterally close relation and axial parallelism, and anti-friction bearings tangential to the journals of the spindles at spaced points therearound, certain of the bearings being tangential to more than one spindle.

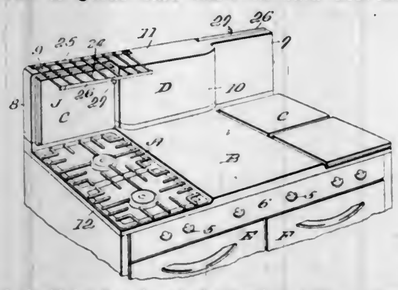
2,248,442
FREQUENCY GENERATOR
Arthur C. Stocker, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 16, 1939, Serial No. 279,544
13 Claims. (Cl. 250—36)



1. An oscillation generator comprising means for producing low frequency oscillatory currents tunable over a range of frequencies, means for calibrating the frequency of said low frequency currents in incremental steps, an interpolation oscillator for producing beating currents having a frequency range corresponding to the range of one of said incremental steps, means for calibrating the frequency of said interpolation oscillator in incremental steps small with respect to the calibration of said low frequency oscillator, means for producing changes in the frequency of said low frequency oscillator in response to changes in the frequency of said interpolation oscillator, and means for deriving output currents from said low frequency oscillator bearing a fundamental or desired harmonic relation to the frequency of said low frequency oscillator.

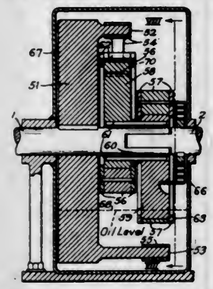
2,248,443
WARMING SHELF FOR RANGES
Arthur Stockstrom and Almer H. Brodbeck, St. Louis, Mo., assignors to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application October 23, 1939, Serial No. 300,852
11 Claims. (Cl. 126—332)

1. In a range, a cooking section having a stationary splash back at one side thereof, a warming shelf behind said splash back and disposed in substantial parallelism thereto, said shelf being movable into a position above said splash back, means to guide said shelf in said movement,



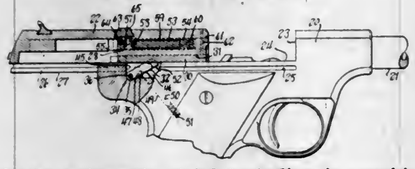
said shelf in its elevated position being movable into a position where it extends forwardly from said splash back and over the cooking section, and means to support said shelf in said last named position.

2,248,444
VARIABLE RATIO MECHANICAL DRIVE MECHANISM
Julius J. Torok, Corning, N. Y.
Application May 16, 1939, Serial No. 273,904
27 Claims. (Cl. 74—64)



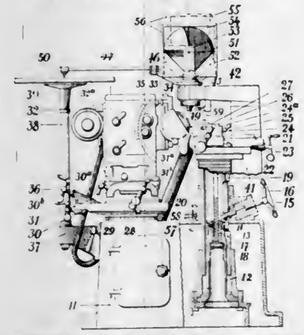
1. A variable-ratio mechanical drive mechanism for transmitting power from a movable driving member to a movable driven member, comprising a movable intermediate member, a first mechanical drive connection for transmitting energy between the driving member and the intermediate member in such manner that the energy thus transmitted varies cyclically in dependence, in some measure, upon the phase-position of the intermediate member relatively to the driving member, a second mechanical drive connection for alternately imparting accelerative force from the intermediate member to the driven member and imparting decelerative force from the driven member to the intermediate member in dependence, in some measure, upon the phase-position of the intermediate member relatively to the driven member, one of said mechanical drive connections being characterized by a variable-motion connection for causing a yielding movement between the driven member and the intermediate member during the accelerative periods whereby the products of the periods of application and the effectiveness of application of said accelerative force to said driven member are increased, while the products of the periods of application and the effectiveness of application of said decelerative force to said driven member are decreased, and sufficient inertia-means associated with said driven member to absorb said decelerative forces without reversing the motion of said driven member.

2,248,445
AUTOMATIC PISTOL
George A. Wilson, Hamden, Conn., assignor to The High Standard Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application December 16, 1938, Serial No. 246,039
10 Claims. (Cl. 42—3)



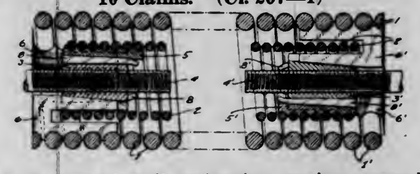
3. An automatic pistol including in combination: a barrel; a frame; a breech-bolt reciprocating on the said frame; a releasable breech-bolt stop carried by the said frame and normally checking the recoil of the said breech-bolt; a spring-pressed breech-closing plunger carried by and reciprocating in the said breech-bolt for moving the latter into its breech-closing position, the said breech-closing plunger being provided with a retaining-abutment and with a releasing-cam; and manually-operable retaining-means carried by the said breech-bolt and having a portion engageable with the retaining-abutment of the said breech-closing plunger for locking the same in its retired position, and also engageable by the releasing-cam of the said breech-closing plunger for automatically shifting the said retaining-means into its retired position when the said breech-bolt is moved rearwardly relative to the said breech-closing plunger.

2,248,446
OPTICAL PROFILE GRINDING MACHINE
Reinhard Max Wohlfarth, Dresden, Germany, assignor to Aktiengesellschaft vorm. Seidel & Naumann, Dresden, Germany
Application June 10, 1939, Serial No. 278,397
In Germany June 29, 1938
6 Claims. (Cl. 51—165)



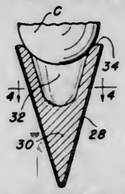
1. An optical profile grinding machine for the grinding of form-gauges or form-tools said machine consisting of a base, a structure on which the form-gauge or form-tool is clamped, a construction facing this structure on which the grinding disk is movably mounted, a drawing board on which is stretched a pattern-drawing in great enlargement, a long arm and a short arm and two connecting rods, which parts form a pantograph-system, a tracing device at the free end of the long arm for tracing point by point the lines on the pattern drawing and means mounted on the short arm to watch the path of the grinding-disk on the form-tool or form-gauge and apparatus to complete the means to observe in enlargement point by point the path of the grinding-disk.

2,248,447
SPRING DEVICE
Joseph Kaye Wood, Bronx, N. Y., assignor to General Spring Corporation, New York, N. Y., a corporation of New York
Application January 17, 1939, Serial No. 251,329
10 Claims. (Cl. 267—1)



1. A nested coil extension spring assembly which comprises a plurality of concentric extension springs, a plug for at least one end of said springs, said plug being smaller in diameter than the internal diameter of the innermost of the concentric springs and said plug having a plurality of wedge engaging faces on its outer periphery running longitudinally of the plug, keys provided with wedge engaging faces corresponding to those of said plug, a portion of said keys having transverse grooves on their outer faces adapted to receive and engage the end convolutions of the inner spring, and the remaining keys being extended radially beyond the first-named group and having grooves in said extended portions adapted to receive and engage the end convolutions of the larger spring, and wedges between the keys and plug engaging said faces and pressing the keys into secure engagement with the spring and whereby said plug may be adjusted in position with regard each spring, and thereby the position of the spring may be adjusted relative one another.

2,248,448
ICE CREAM SUNDAE CONE
Frank R. Chester, Seattle, Wash.
Application January 2, 1940, Serial No. 312,101
7 Claims. (Cl. 99—89)

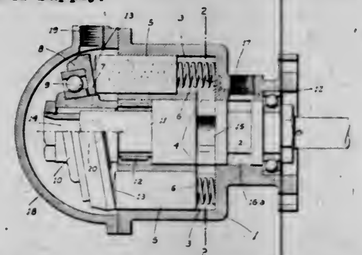


1. An ice cream container having an edible, hard baked outer cake shell and an insert for said container made of porous, edible material having liquid absorption properties.

2,248,449
HYDRAULIC PUMP
Edward Clifford Dudley, Fresno, Calif.
Application April 29, 1940, Serial No. 332,224
2 Claims. (Cl. 103—173)

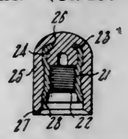
1. A hydraulic pump comprising a body, a cyl-

inder therein closed at one end, a bore in the body parallel to the cylinder, a port between the bore and cylinder at the closed end of the latter, a fluid outlet leading radially from the bore, a piston slidable in the cylinder and projecting from the end of the body opposite the closed end of the cylinder, a rotary drive shaft projecting through the bore to a termination beyond said opposite end of the body, instrumentalities to reciprocate the piston on suction and pressure strokes and including an element on the shaft to engage the projecting end of the piston, the shaft having a bore leading from the plane of the cylinder port to said shaft termination, and a port leading from the shaft bore to the periphery thereof to communicate with the cylinder port; means to supply fluid to the shaft bore, an outlet leading from the body bore beyond the shaft port, means on the shaft forming a closure in the body bore between the outlet and shaft port, means integral with the shaft forming a passage opposed to the shaft port and positioned to establish communication between the cylinder port and outlet when communication between the shaft and cylinder ports is broken, and a cap secured on said opposite end of the body and enclosing the adjacent end of the piston, shaft and the element thereon; the cap having a fluid intake port adapted for connection to a source of supply.



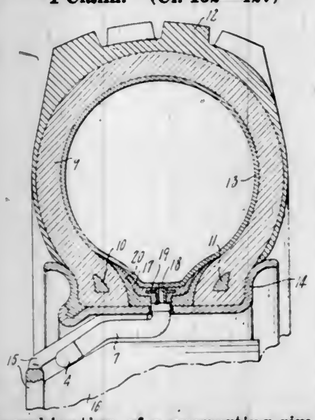
2. A hydraulic pump comprising a cylinder open at one end, a piston slidable in the cylinder, a spring urging the piston on the suction stroke and out from the open end of the cylinder, a drive shaft parallel to the cylinder, a cam disc about the shaft with its axis at a predetermined angle to the axis of the shaft and having a face engaging the piston at its outer end and means mounting the disc on the shaft so that the axis thereof at said face is offset from the shaft axis an amount equal to the radial difference between a chord whose length is that of the piston stroke, and the piston center circle touching said chord at its ends.

2,248,450
VALVE STEM CAP
Ernst Eger, Grosse Pointe Park, and Raymond F. Ternes, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application March 18, 1939, Serial No. 262,694
5 Claims. (Cl. 138—89.3)



1. A cap for a tire valve stem comprising a tubular member having internal threads, one end of said tubular member having transverse wall portions enclosing an opening of less size than the opening at the opposite end, and a layer of rubber composition bonded to the entire outer surface of the tubular member and having a portion thereof extending inwardly through said lesser end opening, of the tubular member to form a sealing gasket for the end of a valve stem, said gasket being supported by the inner face of said transverse end wall portions against the thrust of said valve stem.

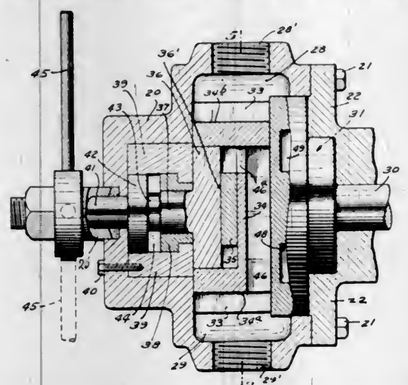
2,248,451
TIRE VALVE STEM ASSEMBLY
Ernst Eger, Grosse Pointe Park, and Raymond F. Ternes, Detroit, Mich., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Original application March 18, 1939, Serial No. 262,694. Divided and this application April 2, 1941, Serial No. 386,440
1 Claim. (Cl. 152—427)



The combination of a supporting rim, a pneumatic tire and inner tube mounted thereon, a brake drum located within and closely adjacent said rim, securing means for fixedly retaining said drum in position relative to said rim, and a valve stem and cap assembly positioned between said drum and supporting rim and operatively connected with the inner tube, said stem and cap assembly including a layer of rubber composition bonded to the outer surface thereof to form a protective and heat insulating enclosure for said assembly.

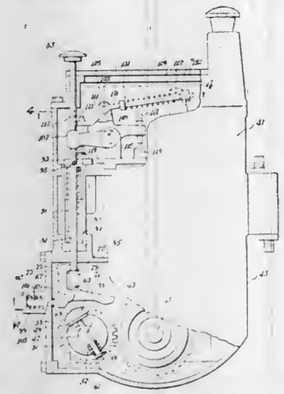
2,248,452
ROTARY PUMP
Orrin L. Erickson, Minneapolis, Minn., assignor of one-half to Pete A. Westlund, Minneapolis, Minn.
Application May 4, 1939, Serial No. 271,687
3 Claims. (Cl. 103—161)

1. In a device of the rotary pump type, a casing having intake and outlet chambers separated by intervening segmental sealing surfaces, a rotary head in said casing having diametrically intersecting cylinder-acting plunger seats and intervening valve-acting segments, which latter cooperate with the sealing surfaces of said casing, transversely lapping piston-acting plungers working in said intersecting seats, said plungers having reduced intermediate portions and full width head portions, an elongated shifter head mounted for endwise sliding movements only in the reduced intermediate portion of one of said plungers with its ends having lateral sliding engagement only with the spaced heads of the other plunger, and means having pivotal engage-



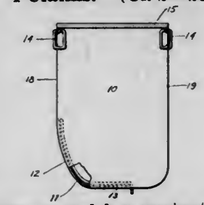
ment with the intermediate portion of said shifter head and operative to shift the axis of rotation of said shifter head in respect to the axis of said rotor head.

2,248,453
ENGINE GOVERNOR
Ralph M. Fingar, Painted Post, and Charles Taylor, Corning, N. Y., assignors to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application September 30, 1939, Serial No. 297,204
4 Claims. (Cl. 123—140)



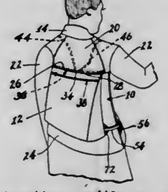
1. In an engine, the combination of an engine speed governor, a fuel pump for each engine cylinder, a rack for each pump, a control shaft connected to the racks movable by the governor to regulate the amount of fuel supplied to the engine, a plunger, a lever on the control shaft movable by the plunger, a spring normally urging the plunger to move the lever and control shaft and render the fuel pumps inoperative, a latch to normally hold the plunger against movement by the spring, a rotor driven by the engine, a weight on the rotor, and a spring to normally restrain the weight adapted to compress as the weight moves out due to centrifugal force to strike the latch when the speed of the engine becomes excessive.

2,248,454
TROUSER AND LEG PROTECTOR
Arthur Freimark, New York, N. Y.
Application April 9, 1940, Serial No. 328,617
4 Claims. (Cl. 2—232)



1. In a trouser and leg protector of the character described, comprising a substantially tubular body having a generally vertical opening at its lower end portion and being adapted for receiving a trouser leg, the upper and lower ends of said protector being open, a slide fastener secured to the edge portions defining said opening and to a portion of said lower end opening and adapted to permit a foot to pass through said protector when said slide fastener is separated, said slide fastener extending partly along the bottom edge portion of said tubular body and being thereby designed to contract the lower portion of said opening to form a pocket for a trouser leg, said opening being contractible sufficiently to closely circumscribe the leg of the user, overlapping flaps to conceal said slide fastener and clips disposed at the edges of said protector for attaching said protector to the creased portions of a trouser.

2,248,455
COAT AND KNAPSACK COMBINATION
Fred Freund, New York, N. Y.
Application August 2, 1940, Serial No. 349,567
5 Claims. (Cl. 2—94)

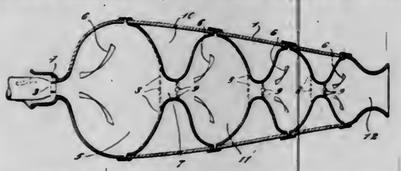


1. The combination with a coat, of a knapsack or the like attached to the back of the coat, and means for relieving the back of the coat from the weight of the knapsack comprising parts positioned internally of the coat in position to engage over the wearer's shoulders and parts extending through the coat to the outerside thereof and engaging the knapsack in supporting relation thereto.

2,248,456
MUFFLING AND COOLING DEVICE FOR INTERNAL COMBUSTION ENGINES
Eliot Huntington Harris, New York, N. Y.
Application August 19, 1938, Serial No. 225,672
4 Claims. (Cl. 181—43)

1. A muffler of the class described including an imperforate exterior shell equipped with an inlet pipe having a vena contracta at its downstream terminus, a discharge pipe for egress of exhaust gases, a concentric conduit circumferentially disposed about said inlet pipe, the upstream terminus of said concentric conduit being exterior to said imperforate shell, the downstream terminus of

said concentric conduit connected integrally to a velocity nozzle, the throat of said velocity nozzle being disposed in circumferential relationship to said vena contracta, a wall within said imperforate shell joined to the downstream terminus of said velocity nozzle and following such an expanding curve as to meet with the wall of the imperforate shell at a point upstream of its maximum diameter, a further wall of semispherical shape having curvature opposite to that of the first wall and having an outlet centrally located,



a conduit joined to said semispherical wall about said outlet, said conduit having a vena contracta within its length, deflectors, each twisted and spirally bent with minimum diameter of spiral located close to the nozzle of said concentric conduit, orifices in the spherical wall upstream of its outlet, orifices in said conduit near the section of its minimum diameter, additional walls and conduits having similar shapes to previous walls and their conduits with orifices in similar locations and deflectors in similarly disposed relationship to said walls.

2,248,457

TREATMENT OF OIL WELLS

Sterling P. Hart, Long Beach, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application July 21, 1938, Serial No. 220,507

12 Claims. (Cl. 255—1)

1. In the drilling of wells with the use of a drilling mud, the method of preventing the heaving of shale encountered in the well which comprises first circulating through the well a drilling mud containing dispersed casein and then introducing into the well a drilling mud containing an agent adapted to harden the casein.

2,248,458

PARASITICIDE

William P. ter Horst, Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 15, 1939, Serial No. 284,710

17 Claims. (Cl. 167—24)

2. A parasiticidal preparation containing as active ingredients an organic oil-soluble toxicant in solution in an oily product of condensation of an alkylene dichloride with an aromatic hydrocarbon compound having at least one and not more than two nuclear hydrogen atoms replaced by chlorine.

2,248,459

HIGH FREQUENCY SOUND GENERATOR

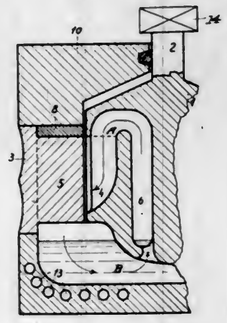
Siegfried Kiesskalt, Frankfort - on - the - Main-Hochst, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

Application June 14, 1939, Serial No. 279,122

In Germany May 18, 1938

5 Claims. (Cl. 116—137)

1. A high frequency sound generator which comprises an exciting wheel capable of rotating and provided with blades on its circumference and with channels which open between the said blades, a stationary transmitting wheel surrounding the exciting wheel and spaced therefrom and provided with blades on its inner circumference, the number of blades of the transmitting wheel being different from the number of blades of the exciting wheel, the natural frequency of each blade of the transmitting wheel corresponding with the number of impacts



of liquid thrown out per second from the exciting wheel when the machine is in operation, the transmitting wheel acting as a casing, this casing being partly filled with a liquid of high specific gravity and low viscosity, a pumping device arranged so as to circulate the said liquid through the interior of the exciting wheel, the hollow spaces between the wheel and the free space formed by the casing, and means to cause a rotation of the exciting wheel.

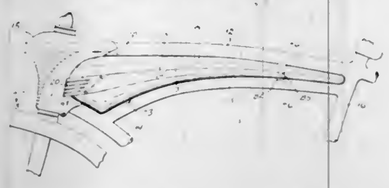
2,248,460

BICYCLE HEADLIGHT

Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Co., Cleveland, Ohio, a corporation of Ohio

Application November 18, 1938, Serial No. 241,201

8 Claims. (Cl. 240—7.55)



1. In combination with a bicycle frame, of a headlight structure comprising two stamped, elongated, metallic members forming a hollow body disposed between the steering post the top reach bar and a lower reach bar of the bicycle frame with the forward end of the body disposed rearwardly of the steering post, one of said body members being fixed to the frame and each of said members being bulged outwardly away from the steering post of the frame and having reflector equipped headlight windows formed in said outwardly bulged portions immediately adjacent the steering post, whereby a headlight beam may be directed through said opening forwardly of the steering post, a battery carried by the fixed member, dual illuminating means carried by one member and means connecting both of said illuminating means to the battery.

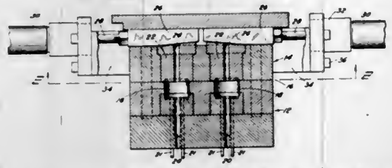
2,248,461

MULTIPLE DIE FOR COMPOSITE ARTICLES

Charles Pack, Forest Hills, N. Y., assignor to Doehler Die-Casting Co., New York, N. Y., a corporation of New York

Application May 6, 1938, Serial No. 206,334

8 Claims. (Cl. 22—149)



6. A multiple die for die-casting a composite article part of which is die-cast onto another part consisting of a stack of laminations, said die comprising relatively movable ejector and cover dies, said die having a plurality of mold cavities so shaped as to receive the stacks of liminations, said ejector and cover dies being relatively movable for a substantial distance in order to simultaneously open or close all of the mold cavities, one of said dies having a plurality of plugs or inserts movably mounted for a limited amount of mutually independent movement toward or away from the stacks of laminations in a direction perpendicular to the laminations, and means associated with the plugs for simultaneously urging each plug tightly against the endmost lamination of its respective stack of laminations while the die is closed in order to compress the laminations together during the die-casting operation, said plugs forming a part of the die structure and remaining with the die carrying the same when the die-cast articles are ejected from the die.

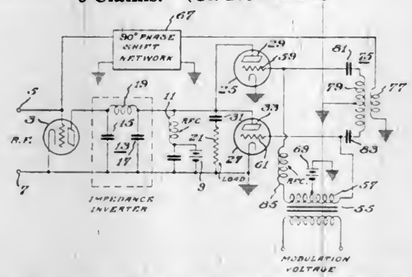
2,248,462

MODULATION SYSTEM

Dale Pollack, Cambridge, Mass., assignor to Radio Corporation of America, a corporation of Delaware

Original application September 30, 1938, Serial No. 232,483, now Patent No. 2,224,314, dated December 10, 1940. Divided and this application March 16, 1940, Serial No. 324,255

6 Claims. (Cl. 179—171.5)



1. In a device of the character described, a utilization device, a source of unmodulated carrier frequency currents, impedance inverting means for impressing said currents on said utilization device, a source of modulating voltage, a pair of thermionic amplifier tubes having input and output electrodes, means for applying said modulating voltage to said input electrodes in phase opposition, means including a 90° phase shifting network for applying said unmodulated carrier frequency currents in phase opposition to said input electrodes, and means for coupling the output electrodes of said thermionic amplifier tubes to said utilization device, whereby modulating voltages of one polarity increase the effective current in said utilization device and of the opposite polarity decrease the effective current in said utilization device.

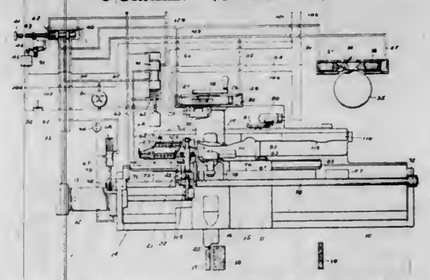
2,248,463

GRINDING WHEEL DRESSING MECHANISM

Conrad L. Ott, Detroit, Mich., and Burr B. Beard and Harold E. Balsiger, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania

Application July 22, 1938, Serial No. 220,776

5 Claims. (Cl. 125—11)



5. A mechanism for dressing a plurality of axially aligned grinding wheels comprising a base member, a dressing tool slidably mounted for movement longitudinally and transversely of said base, a contour bar for limiting said transverse movement in one direction, yielding means for urging said dressing tool in one direction relative to the contour bar, power means for moving said dressing tool in the opposite direction, a positive stop for limiting said movement in said opposite direction, and means operable at a predetermined point in said longitudinal movement for controlling the operation of said power means.

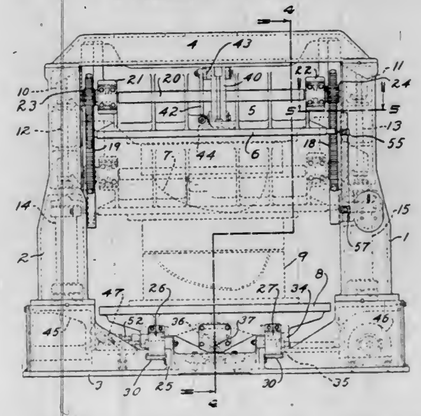
2,248,464

DIE SPOTTING AND TRYOUT PRESS

Clement C. Richard, Bloomfield Hills, and Clifford H. Kain, Detroit, Mich., assignors to Allied Products Corporation, Detroit, Mich., a corporation of Michigan

Application August 10, 1938, Serial No. 224,146

8 Claims. (Cl. 76—4)



1. In a die spotting and tryout press, a ver-

tically movable ram carrying a die, hydraulically actuated means for moving the ram a horizontally movable table carrying a complemental die, hydraulically actuated means for moving the table to position the die thereon at one side of the die on the ram to expose the entire surface of the table die for a finishing operation by workmen and for returning the table to position the die thereon in alignment with the ram die, a hydraulic system for the said hydraulically actuated means, means under control of the operator to supply the hydraulically actuated means of the ram with liquid at low pressure and large volume to produce high speed of movement thereof, means controlled by movement of the ram to cause cessation of supply of liquid to the companion hydraulically actuated means, and means under control of the operator for supplying the said hydraulically actuated means of the ram with liquid in low volume and under high pressure to thereby cause a slow movement of the ram and create a high pressure contact.

2,248,465

PROCESS FOR THE REDUCTION OF FATTY ACIDS TO ALCOHOLS

Wilhelm Rittmeister, Dessau, Anhalt, Germany, assignor, by mesne assignments, to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 16, 1937, Serial No. 180,171. In Germany December 19, 1936

9 Claims. (Cl. 260—638)

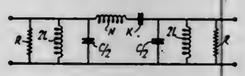
1. Process for the reduction of fatty acids to alcohols which comprises mixing the fatty acids with organic substances of the group consisting of alcohols and mixtures of alcohols with esters of the alcohols of the same number of carbon atoms as, and of corresponding structures to, the acids undergoing reduction and hydrogenating the mixtures in the presence of hydrogenation catalysts.

2,248,466

BAND PASS COUPLING NETWORK

Hans Otto Roosenstein, Berlin-Tempelhof, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application September 17, 1938, Serial No. 230,383
In Germany September 18, 1937
2 Claims. (Cl. 178—44)



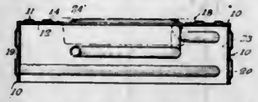
1. A band-pass filter network for coupling a capacitive source to a capacitive load comprising a parallel tuned circuit connected to the source, a parallel tuned circuit connected to the load, a series tuned circuit connected between high potential points of said parallel tuned circuits, the low potential points of said parallel circuits being connected together, all of said circuits being tuned to the mid-frequency of the band to be passed, and a terminating resistor for improving the voltage response of the band passed frequencies associated with one of the parallel tuned circuits, said resistor having a value sufficiently higher than the surge impedance of the network to reduce to a minimum the departure of the voltage response within the pass band from its mid band value.

2,248,467

REFRIGERATED DISPLAY FIXTURE FOR FOOD OR THE LIKE

Joseph Scilken, New York, N. Y.

Application March 4, 1941, Serial No. 381,705
19 Claims. (Cl. 62—126)



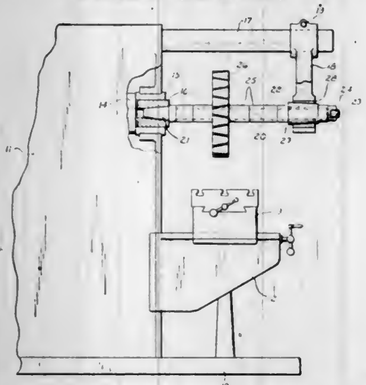
1. A refrigerated display fixture of the character described having a top section comprising a plurality of plates each having a refrigerant passage therethrough, said top section including plates spaced from one another arranged longitudinally of the fixture and plates spaced from one another and connecting the said first mentioned plates to provide tray openings, all of the contiguously arranged of said plates connected edge to edge and their refrigerant passages connected in series.

2,248,468

MILLING MACHINE

Ole Severson, Shelton, Conn.

Application June 27, 1939, Serial No. 281,409
1 Claim. (Cl. 90—11)



In a milling machine, the combination with an arbor chuck having a conical arbor seat, an arbor having a conical end received within said seat and an outboard arbor bearing support adjustable longitudinally of said arbor, of a removable bearing member mounted for rotation with said arbor intermediate its ends and having an external conical bearing surface and a cooperating non-rotatable bearing member having an internal conical bearing surface carried by said adjustable support, said bearings being arranged with their smaller ends in the direction of the free end of the arbor whereby adjustment of the outboard bearing support inwardly of the free end of the arbor will load the arbor in the direction of said chuck.

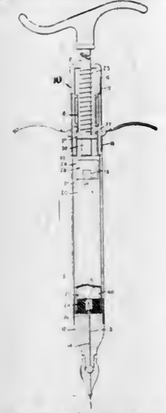
2,248,469

SYRINGE DEVICE

Arthur E. Smith, Los Angeles, Calif.

Application May 5, 1939, Serial No. 271,889
6 Claims. (Cl. 128—218)

1. For use in a syringe, an ampule having a cork therein at one end, a piston cork in the other end of the ampule, said piston cork including a cylindrical wall and having a chamber therein with a diaphragm closing one end of the chamber, said diaphragm being punctureable, said piston cork having a recess therein, a trap door closure engaging the other end of the piston cork and closing the other end of the chamber,



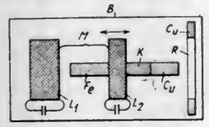
said trap door closure having a tongue thereon fitting said recess, a medicinal preparation in said chamber, a vehicle for the preparation in said ampule between the corks and a breakable membranous seal extending over said trap door closure and along said piston cork.

2,248,470

DEVICE FOR VARYING THE DAMPING OF A TUNED OSCILLATORY CIRCUIT WITHOUT AFFECTING THE TUNING

Theodorus Antonius Spoor, Herre Rinia, and Ewoud Adriaan van Yzeren, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application April 27, 1938, Serial No. 204,596
In Germany June 7, 1937
6 Claims. (Cl. 178—44)



1. A device for varying the damping of a tuned oscillatory circuit without substantially affecting the tuning thereof, characterized in that the inductance coil of the oscillatory circuit is movably arranged on a massive core partly consisting of a material having a high specific resistance and partly of a material having a low specific resistance.

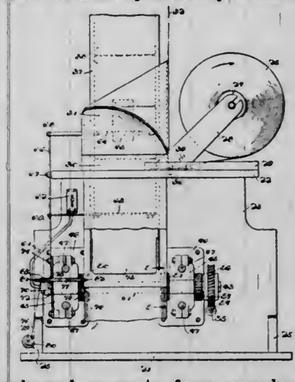
2,248,471

PACKAGING METHOD AND MACHINE

John H. Stroop, New York, N. Y., assignor to The Pad-Y-Wax Company, Inc., New York, N. Y., a corporation of New York

Application May 25, 1938, Serial No. 210,041
37 Claims. (Cl. 93—3)

1. A method of packaging commodities in containers formed of a flexible material comprising the steps of forming a continuous seal between the marginal portions of opposed thicknesses of the packaging material while continuously moving said material in a direction parallel to said marginal portions, sealing together at intervals transversely extending areas of said opposed thicknesses to form a series of sealed envelopes, maintaining the portions of said opposed thicknesses other than said sealed marginal portions in spaced apart relation at all times other than during the formation of said transversely extending seals and independently of the commodity



to be packaged so as to form envelopes of predetermined volumetric characteristics, and depositing a commodity in each of said envelopes prior to the completion of the sealing of the marginal portions of said opposed thicknesses of packaging material bounding that particular envelope.

2,248,472

PROCESS FOR REMOVING SILICA FROM ARGILLACEOUS ALUMINO-SILICATES

Eduard Zintl, Darmstadt, Wilhelm Bräuning, Sandersdorf, and Walter Krings, Bitterfeld, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application May 29, 1939, Serial No. 276,422. In Germany June 8, 1938
8 Claims. (Cl. 23—142)

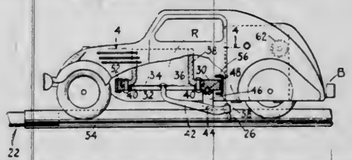
1. A process of producing alumina from argillaceous alumino-silicates, which comprises heating a mixture of alumino-silicate and a carboniferous material, in which mixture carbon and silicon are present in substantially equi-atomic proportions, to a temperature exceeding about 1200° C. so as to produce a reaction between the carbon and the silicate resulting in a volatilisation of the silicon as silicon monoxide, reducing the partial pressure of silicon monoxide in the reaction space and continuing the reaction until substantially all of the silicon is expelled from the reaction mass.

2,248,473

SOUND PRODUCING TRACK AND WHEELED TOY

Bernard S. Franklin, New York, N. Y., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York

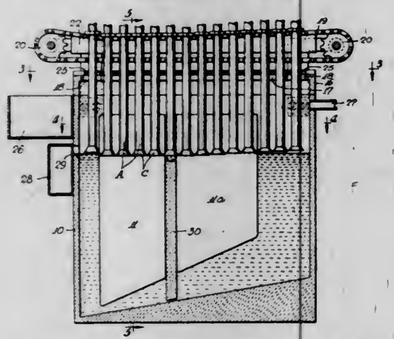
Application June 3, 1939, Serial No. 277,181
6 Claims. (Cl. 46—111)



1. A toy comprising a continuous track, a wheeled toy adapted to run on said track, a motor

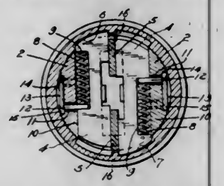
in said toy for driving the wheels and thereby propelling the toy along the track, a sound reproducer mounted in said toy, said reproducer comprising a weighty head carrying a thin flexible diaphragm, a stylus lever oscillatably mounted on said head and connected at one end to said diaphragm, a stylus secured to said lever, means in said vehicle for floatingly mounting said head whereby it tends to move downwardly with the stylus under gravitational influence in order to keep the stylus in engagement with a sound track, and a sound track forming a part of said toy track.

2,248,474
SALT BATH FURNACE
Joseph Darius Griffin, Johannesburg, Transvaal, South Africa
Application August 1, 1939, Serial No. 287,725
In the Union of South Africa February 22, 1939
20 Claims. (Cl. 13—23)



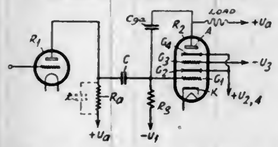
1. The method of heating the ends of rod-like bodies such as rock drill tools, which includes maintaining a salt bath by the direct passage of electric current through the bath material between spaced electrodes, vertically suspending the rod-like bodies with their lower ends immersed in the bath, and moving the series of bodies along a path such that their lower ends follow a substantially equipotential line in the bath.

2,248,475
CYLINDER LOCK
William E. Hamilton, Evanston, Ill., assignor to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois
Application April 30, 1940, Serial No. 332,578
8 Claims. (Cl. 70—364)



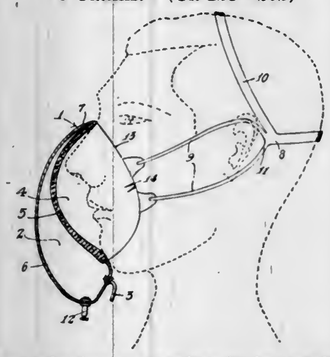
1. In combination, a lock cylinder having a plurality of channels for the tumblers and their individual springs, with a transversely disposed opening extending from the bottom of each channel to the outer surface of the cylinder, and a unitary member comprising a back plate and a plurality of prongs projecting transversely from it in position to fit into the respective openings at one side of the cylinder, said prongs being dimensioned to protrude into the channels to serve as stops for the tumbler springs.

2,248,476
AMPLIFIER CIRCUIT FOR FREQUENCY BAND EXPANSION
Werner Kleen, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 17, 1938, Serial No. 196,327
In Germany April 3, 1937
1 Claim. (Cl. 179—171)



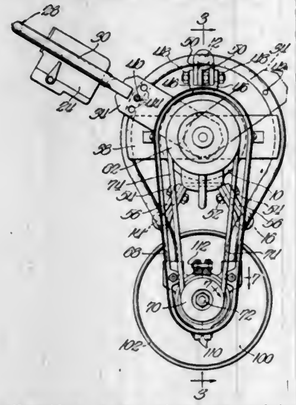
An amplifying system arranged for substantially uniform gain over a wide range of frequencies, comprising a first electron discharge device having an impedance connected in the output circuit thereof, said impedance having unwanted inherent capacity effectively in shunt therewith, and means for eliminating the effect of said inherent capacity, said means comprising a second electron discharge device having a cathode, a signal control grid next adjacent the cathode, a positive screen grid, a negative grid and an anode arranged in the order named, means for applying a more positive potential to the anode than to the screen grid, the relative potentials of the several electrodes being such that there results the formation of a virtual cathode between the positive and negative grids, a load resistor connected to said anode, said second device arranged to function as a negative resistance device, and means for coupling the output impedance of the first device to the signal control grid of the second.

2,248,477
METHOD AND APPARATUS FOR ADMINISTERING OXYGEN
Charles F. Lombard, Alhambra, Calif.
Application February 27, 1940, Serial No. 321,028
5 Claims. (Cl. 128—202)



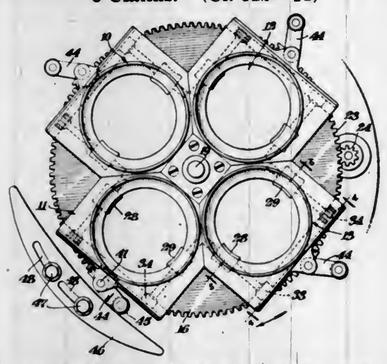
1. An inhaling apparatus to be applied to a patient's respiratory outlet, comprising a body with an outer chamber into which the gas is first admitted, and an inner chamber in gaseous communication with the outer chamber, located adjacent the patient's respiratory outlet, and into which the gas flows from the outer chamber, and operating so that the first portion of the patient's exhalation passes from the inner chamber to the outer chamber; said inhaler apparatus constructed so as to effect the escape of the vitiated latter portion of the exhalation.

2,248,478
ROLLER VIBRATOR
Arthur William Mall, Chicago, Ill.
Application July 8, 1938, Serial No. 218,241
7 Claims. (Cl. 94—48)



1. A vibrating apparatus comprising a roller adapted to ride upon a body of material to be vibrated, a frame, a hollow axle extending longitudinally through the roller connecting the same to the frame for rotation relative thereto, a weight journalled eccentrically within said axle, and a motor carried by the frame exteriorly of the roller and operatively connected to said weight at one end of the axle for revolving the same within the axle, whereby to develop vibrations which said roller is adapted to transmit to said body of material.

2,248,479
CUP DISPENSING APPARATUS
Albert F. Miller, Flushing, N. Y., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application January 30, 1940, Serial No. 316,293
3 Claims. (Cl. 312—44)

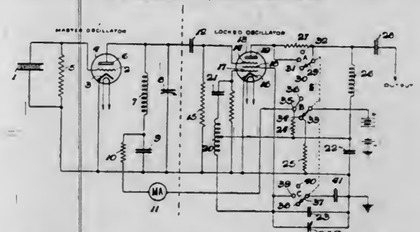


1. Apparatus for dispensing paper cups or the like, comprising a supporting structure for a plurality of side-by-side and generally vertical stacks of the nested cups, said supporting structure being constructed for moving each of the stacks in a circuitous path in succession past a discharge point, with the lowermost remaining cups suspended in upright position from beneath each stack, a mechanism at the base of each stack for sufficiently separating upon each actuation, an individual cup from the stack, so that it is free to fall from the stack, said mechanisms each having a protruding operating lever, and cam means adjacent said path for engaging and operating said levers in succession as the stacks advance past the latter means.

2,248,480
METHOD OF THICKENING LATEX AND COMPOSITION PRODUCED
Harold B. Morris, Somerset, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application August 19, 1938, Serial No. 225,774
7 Claims. (Cl. 260—741)

6. A thickened latex composition comprising about 166 parts of 60% latex having about .18% of ammonia therein and being at least five times as viscous as it was originally, about 1 part of zinc oxide, about 1 part of casein and compounding ingredients, which latex composition does not cream upon standing.

2,248,481
OSCILLATING SYSTEM
Leonard A. Schuttig, Catonsville, Md., assignor to Bendix Radio Corporation, Baltimore, Md., a corporation of Delaware
Application June 29, 1939, Serial No. 281,979
1 Claim. (Cl. 250—36)

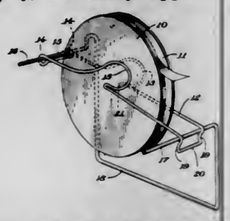


In an oscillation system, a source of reference frequency, a multi-element space discharge tube, a frequency determining circuit connected to three elements of said tube and comprising an oscillator section, said circuit being tuned to a frequency in harmonic relation with said reference frequency, a fourth element in said tube connected with said source of reference frequency and arranged to modulate the electron stream in said tube, an anode in said tube being connected to an output circuit, and selectively controlled circuit means for reducing said oscillator section to a non-oscillating condition whereby said tube is converted into a distortion amplifier.

2,248,482
SPOOL HOLDER
Grover P. Shearer, Fairmont, W. Va.
Application January 31, 1941, Serial No. 376,908
3 Claims. (Cl. 242—55.2)

1. A spool holder formed of an endless elongated loop of spring wire bent to provide spaced longitudinal arms and curved extremities for attaching the holder to parallel supporting wires,

the wire being bent centrally of the arms to form open spring loops adapted to engage the sides of a spool and form a friction brake, the spring loops permitting the holder to be elongated longitudinally to be easily applied to and disen-



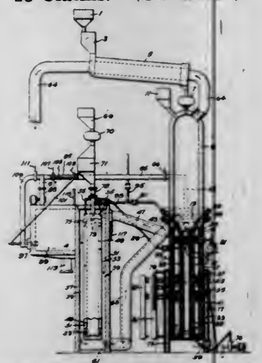
gaged from one of said supports for replacing used spools with full spools, the wire being directed laterally upon itself at the bottom of one of the loops to form a gudgeon adapted to enter the bore of the spool and rotatably mount the spool on the holder.

2,248,483

METHOD OF AND APPARATUS FOR REDUCING OXIDE ORE

Henry Baetz, Brookline, Mass.

Application March 14, 1939, Serial No. 261,743
13 Claims. (Cl. 75—91)



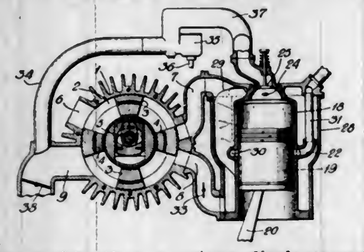
1. In an apparatus for reducing an oxide ore, the combination of a crucible for holding a molten body, a reducing chamber, the lower part of which communicates with the lower part of the crucible for the discharge of its products thereinto, a preheating chamber, means for effecting a controlled feed of finely divided ore from the preheating chamber into the upper part of the reducing chamber, a water gas generator comprising a mixing chamber and a generating chamber, means for feeding finely divided carbonaceous material to the mixing chamber, means for supplying steam under pressure substantially above atmospheric also to said mixing chamber, means for conducting water gas from the generating chamber to the reducing chamber to intermingle with the ore under a temperature sufficient to convert the ore into a fluid state, means for causing the gases in their exit from the reducing chamber to pass under the pressure therein through the molten body in the crucible, means for conducting the gases from the crucible to the water gas generator to utilize the heat therein for the generation of the water gas, means for conducting the gases thence to the preheater to preheat the ore, means for supplying air to the preheater to burn the unconsumed constituents of the gases, heat interchange passages in the walls of the crucible and reducing chamber, and means to supply water thereto for generating steam supplied to the water gas generator and for cooling said walls.

2,248,484

HEAT ENERGIZED APPARATUS

Charles Bancroft, New Canaan, Conn.

Application April 11, 1940, Serial No. 329,009
18 Claims. (Cl. 60—14)



1. In combination, a rotary displacement device of the alternately accelerating piston type having at least two pairs of pistons and a ring cylinder which each pair of pistons alternately divides into a first and a second section with the remaining pair of pistons separating each section into two working chambers for the compression and expansion of fluids, an inlet and an outlet for each section with the inlet for one section being adjacent the outlet for the other section, said first section outlet and said second section inlet being closed and opened in succession by each piston, a source of heat, and a passageway for directing [illegible] from the first section outlet to the second section inlet in heat exchange relation to said heat source.

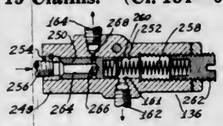
17. In combination, a rotary displacement device of the alternately accelerating piston type having a first and a second pair of ports arranged respectively on opposite sides of each position of minimum spacing of the pistons, said second pair of ports being closed and opened in succession by each piston, a conduit connecting the two ports of the second pair, and a source of heat operatively related to said conduit.

2,248,485

LUBRICATING DEVICE FOR MACHINE TOOLS

Arthur F. Bennett, West Barrington, R. I., and George F. Maglott, Wrentham, Mass., assignors to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island

Application November 10, 1937, Serial No. 173,850
15 Claims. (Cl. 184—6)



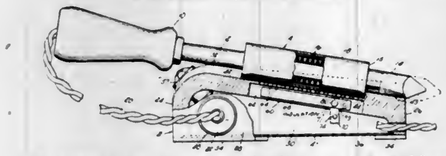
1. A device for lubricating the moving parts of a machine tool which comprises means for supplying lubricant under pressure, means operative in starting and stopping said parts to start and stop said pressure supply means, a conduit through which lubricant supplied under pressure is directed to the parts to be lubricated, a control valve in said conduit comprising means responsive to variations in pressure for movement between open and shut-off positions, actuable by the building up of pressure of lubricant forced through the conduit to the parts to be lubricated in starting said parts to shut off the supply of lubricant, and pressure exhaust means operative in stopping said parts to gradually exhaust said pressure and thereby to permit the valve connection between the pressure supply means and said parts to open only after a substantial period of inactivity of the parts.

2,248,486

SOLDERING IRON TEMPERATURE CONTROL STAND

Harold W. Birk, East Hartford, Conn., assignor to The Hart Manufacturing Company, Hartford, Conn., a corporation of Connecticut

Application July 15, 1939, Serial No. 284,808
1 Claim. (Cl. 219—23)



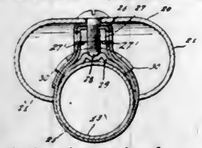
A stand for an electrically heated soldering iron, said stand having a top wall, end walls and side walls, one of said end walls being higher than the other, whereby said top wall is arranged on an incline, said top wall having a trough therein extending longitudinally from said high end wall and terminating at a shoulder spaced inwardly from said low end wall in a groove extending longitudinally from said shoulder to said low end wall and in alignment with the center of said trough, said incline, trough and groove cooperating to guide and position an iron thereon, said top plate further provided with a flue extending therethrough and in central alignment with said trough, thermo-responsive switch means positioned in said flue and adapted to be responsive to heat radiant from an iron resetting in said trough, an electric outlet in one of said side walls and into which an iron may be connected and a circuit extending through said stand and connecting said thermo-responsive switch means in said outlet.

2,248,487

CHAIR

Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application February 24, 1940, Serial No. 320,542
5 Claims. (Cl. 155—198)



5. In a chair having a back, a seat, and a pair of arms, an auxiliary arm member for each of said arms formed of sheet metal and of a general channel shape in cross-section to provide downwardly projecting side walls between which the associated arm is received, said auxiliary arm member at least for a portion of its length being materially wider than the associated arm, means for securing the rear end of each auxiliary member to its associated arm, a clamp engageable with each of said arms near the front end of the auxiliary member thereon, and common means for tightening said clamp on the arm and holding the front end of the auxiliary member in place.

2,248,488

NONFLAMMABLE ORGANIC HEAT TRANSFER AGENT

Ray H. Boundy and Robert R. Dreisbach, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 29, 1939, Serial No. 270,903
3 Claims. (Cl. 252—78)

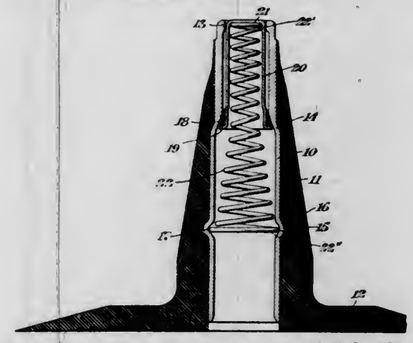
2. The method of transferring heat which comprises contacting a non-flammable liquid, having a freezing point below —20° C. and consisting essentially of a mixture of nuclearly halogenated aromatic hydrocarbons containing at least 20 per cent of isomeric dichloro-fluorobenzenes, with a relatively hot surface and a relatively cool surface, whereby heat flows from the relatively hot surface to the liquid and from the latter to the cooler surface.

2,248,489

PNEUMATIC VALVE

Lewis C. Broecker, Nichols, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut

Application November 3, 1939, Serial No. 302,662
7 Claims. (Cl. 277—42)



1. A tire valve comprising a barrel having an interior shoulder providing a valve seat, an inverted cup-shaped member slidably positioned in said barrel and adapted to serve as a closure for the upper or outer end thereof, a valve body mounted on the wall of and at the lower or inner end of said cup-shaped member and adapted to seat against said valve seat, a spring within said barrel member extending into and secured to said cup-shaped member and also engaging a part of said barrel to normally hold said valve body on its seat, the inverted cup-shaped member, the valve body and the spring being adapted to be inserted into and removed from the barrel as a unit.

2,248,490

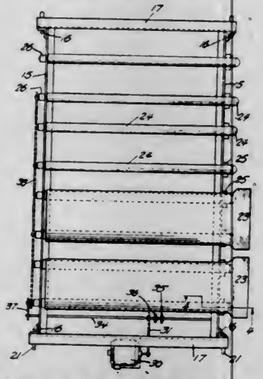
METHOD AND APPARATUS FOR DRYING AND TRUING UP CERAMIC PIPE

James M. W. Chamberlain, Akron, and Harold A. Burnip, Cleveland, Ohio, assignors to United States Stoneware Company, Akron, Ohio, a corporation of Ohio

Application March 17, 1938, Serial No. 196,338
15 Claims. (Cl. 34—21)

1. A method of truing up and drying ceramic pipe which comprises rotating it on a longitudinal axis while supporting it by at least one longitudinally disposed zone of contact substantially coextensive with the length of the pipe

and subjecting it to a drying atmosphere, the pipe being rotated more rapidly in an early stage than in a later stage of the drying.



15. A method of treating ceramic pipe which comprises rotating it on a longitudinal axis while supporting it by at least one internal, longitudinally disposed zone of contact substantially coextensive with the length of the pipe.

2,248,491

XENYL ARYLOXY ALKYL ETHERS AND METHOD OF MAKING SAME

Gerald H. Coleman, Lindley E. Mills, and Garnett V. Moore, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application March 16, 1939, Serial No. 262,230

10 Claims. (Cl. 260—613)

1. A mixed ether having the general formula, $R—O—CH(R'')C_nH_{2n}—O—R'$, wherein R and R' are different aromatic radicals, one of them being a neutral radical of the xenane series, R'' represents a substituent selected from the class consisting of hydrogen and alkyl radicals and *n* is an integer.

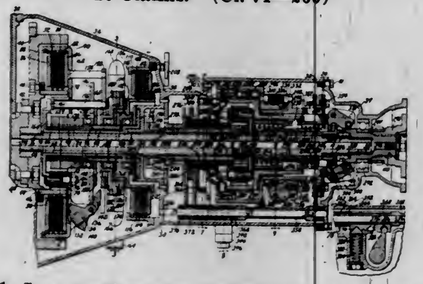
2,248,492

VEHICLE TRANSMISSION GEARING

Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio

Original application December 4, 1937, Serial No. 178,191. Divided and this application June 8, 1938, Serial No. 213,417

16 Claims. (Cl. 74—260)



1. In an automotive transmission gear mechanism, a sun gear, a gear coaxial therewith, a planet pinion in mesh with both said gears, a planet pinion carrier, an input member, an output member, a non-rotatable member, connecting mechanisms for a second gear ratio comprising means connecting the sun gear to the non-rotatable member, means connecting the coaxial gear to the input member, and means connecting the carrier to the output member, means for changing to a high gear ratio comprising means for disconnecting the output member from the carrier and connecting it to the coaxial gear while the sun gear remains connected to the non-rotatable member, means for changing to an overdrive ratio comprising means for disconnecting the input member from the coaxial gear and connecting it to the carrier while the sun gear still remains connected to the non-rotatable member and the coaxial gear remains connected to the output member, and means for changing from the second gear ratio to a reverse ratio comprising means for disconnecting the sun gear from the non-rotatable member and connecting it to the input member, means for disconnecting the carrier from the output member and connecting it to a non-rotatable member, means for connecting the concentric gear to the output member, and means for disconnecting the concentric gear from the input member.

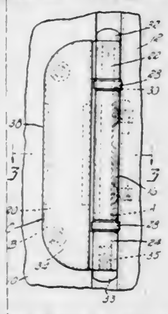
2,248,493

HINGE

George E. Curtiss, Jr., New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut

Application May 20, 1940, Serial No. 336,176

3 Claims. (Cl. 16—148)



1. A hinge comprising a pair of hinge sections pivotally connected for relative swinging movement, one of said hinge sections including a hinge leaf, a cover for said hinge leaf, said cover having a peripheral wall engaging the peripheral edge of the hinge leaf and a face plate positioned outwardly from the hinge leaf and engageable with the other of said hinge sections so as to limit pivotal movement of the sections in one direction relative to one another, and a rib extending outwardly from the hinge leaf and underlying said face plate along the line engaged by said other hinge section to prevent crushing thereof when so engaged.

2,248,494

NONFLAMMABLE HEAT TRANSFER AGENT

Robert R. Dreisbach and Ray H. Boundy, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 29, 1939, Serial No. 270,902

4 Claims. (Cl. 252—78)

3. A non-flammable liquid heat transfer agent freezing at a temperature below —20° C. and boiling at a temperature above 150° C., which agent comprises a mixture of isomeric ethyl dibromobenzenes and a different nuclear halogenated aromatic hydrocarbon and contains at least 20 per cent by weight of the ethyl dibromobenzene isomers.

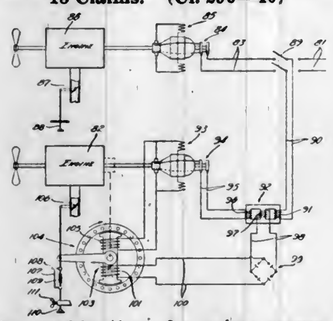
2,248,495

REGULATOR

Olin L. Dupy, Los Angeles, Calif., assignor of ten per cent to William E. Beatty, Los Angeles, Calif.

Application May 17, 1940, Serial No. 335,712

18 Claims. (Cl. 290—40)



1. The combination of a prime mover, a generator driven thereby, a regulator comprising a torque motor connected to be energized by said generator and having a rotor and a floating stator, means for driving said rotor at a speed which is characteristic of the speed of said prime mover, a speed control for said prime mover, and means operating said speed control by and in accordance with the movement of said floating stator, said torque motor comprising both the means for measuring the off-normal condition and the power means constituting the actuating force for operating said speed control.

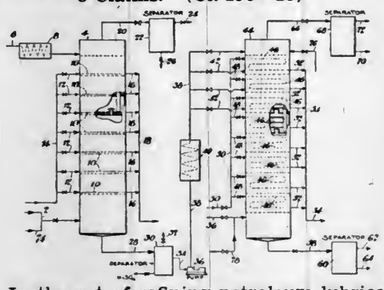
2,248,496

REFINING LUBRICATING OIL STOCK

William E. Forney, Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application July 9, 1936, Serial No. 89,714

8 Claims. (Cl. 196—13)



1. In the art of refining petroleum lubricating oil stocks, the process which comprises passing the oil stock to be refined through a series of contacting zones in one direction, introducing concentrated sulfuric acid into the last zone of the series, introducing a gas containing olefin into the first zone of the series, reacting the gas with the sulfuric acid to produce a mixture of alkyl sulfates and sulfuric acid, and passing the mixture counter-current to the oil through said series of zones to extract from the oil the non-paraffinic constituents, discharging the extracted oil from the last zone of the series and discharging the alkyl sulfate extract from the first zone of the series.

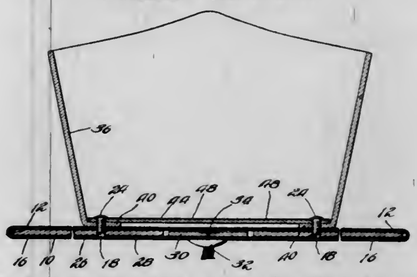
2,248,497

MORTARBOARD CAP

Harold I. Gelvin, Champaign, Ill., assignor to Collegiate Cap and Gown Company, a corporation of Illinois

Application August 3, 1939, Serial No. 288,151

7 Claims. (Cl. 2—175)



3. In a mortarboard cap construction, the combination of a cloth covered rigid mortarboard, said board having a stiff wire fastened about its periphery, a plurality of fastener members secured to said board, a crown having an opening therethrough, a reinforced perimetrical ledge about said opening, a plurality of openings coinciding with the location of said fasteners in said ledge, a shield member, indicia on said shield member showing the size of said assembly, a decorative shield member having a transparent portion overlying said indicia, and removable screw members associated with said fasteners, all of said parts adapted to be connected together by said screw members, said crown capable of being removed for cleaning.

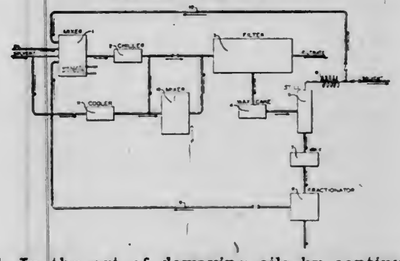
2,248,498

DEWAXING HYDROCARBON OIL

Howard H. Gross and Walter Smisloff, Fishkill, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application February 24, 1939, Serial No. 258,205

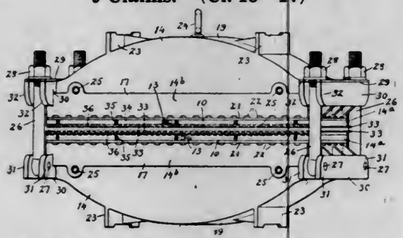
5 Claims. (Cl. 196—18)



1. In the art of dewaxing oils by continuous filtration involving the forming, washing, drying and discharging of a wax cake in a recurring cycle, the steps comprising mixing a dewaxing solvent with a wax-bearing oil, which mixture upon chilling and filtering tends to deposit a thin cake difficult to discharge mechanically from the filter, chilling the mixture to precipitate wax, passing the chilled mixture to the filter to remove

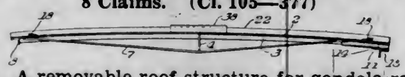
the precipitated wax and to produce a dewaxed filtrate, segregating from the removed precipitated wax a fraction containing comparatively little wax-crystal modifying material, and incorporating in the mixture prior to filtering a predetermined portion of said fraction of wax in such amount as to materially increase the ratio of wax to oil over that of the original wax-bearing oil charge to control the character and thickness of the cake whereby the same may be rapidly formed and removed from the filter while permitting a high filter production rate.

2,248,499
BELT SPLICE VULCANIZER
James C. Heintz, Lakewood, Ohio
Application September 7, 1937, Serial No. 162,599
9 Claims. (Cl. 18—17)



9. A belt-splice vulcanizer comprising a pair of separable press heads, heating platens associated therewith, and detachable metallic covers for the platens, having heat-dissipating marginal portions projecting beyond the edges of the latter, the press heads being substantially rhomboidal in plan form and having relatively short longitudinal and long transverse sides and being provided with clamping bolts at the four corners only, for admitting belts thru both the long and the short sides.

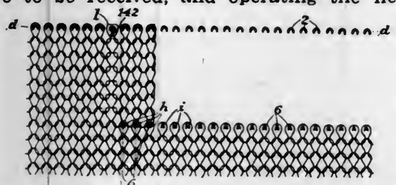
2,248,500
REMOVABLE ROOF STRUCTURE
Joseph M. Hilbish and John K. McCahan, Pittsburgh, Pa.
Application May 29, 1940, Serial No. 337,870
8 Claims. (Cl. 105—377)



1. A removable roof structure for gondola railway cars and other open vehicles comprising a plurality of assembled units each consisting of a sheet of metal or the like reinforced against longitudinal flexing and spanning the width of the car and supported at its ends by the sides of the car, the opposite lateral edges being provided, respectively, with an upstanding flange and an inverted trough arranged to receive the flange of an adjacent unit and to be compressed thereon, and an extension of one wall of the trough arranged to be folded back against the other wall of the trough to seal the end of the trough.

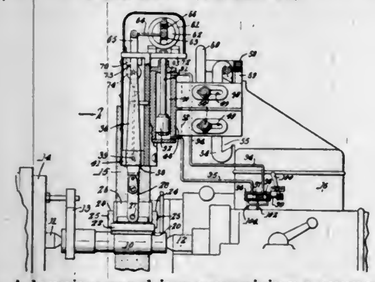
2,248,501
METHOD AND MACHINE FOR KNITTING
Kenneth Howie, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application December 22, 1939, Serial No. 310,627
35 Claims. (Cl. 66—82)

1. The method of knitting a complete hose fabric upon a flat full fashioned machine which comprises locating loop receiving points on the beardless sides of the needles from which loops are to be received, and operating the needles



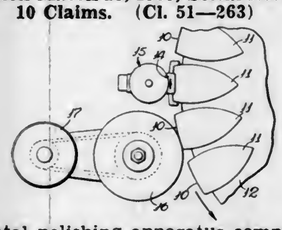
through a knitting cycle so that the loops will be cast off the needles by the usual pressing operation of the knitting cycle and be received by the points.

2,248,502
LAPPING MACHINE
Herbert S. Indge, Westboro, and Wallace H. Wood, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 28, 1939, Serial No. 258,916
8 Claims. (Cl. 51—67)



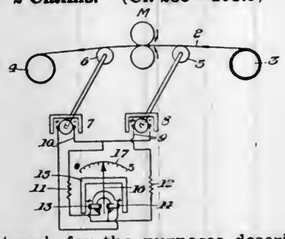
1. A lapping machine comprising a support for rotating a cylindrical work piece, a lapping abrasive stick, a rocking support for the abrasive stick and means for moving said support as it rocks so as to cause the abrasive stick to travel in a rectilinear path and maintain contact with the rotating work.

2,248,503
METAL POLISHING APPARATUS
Frederick J. Kampmeier and Hugo W. Jacobson, Rockford, Ill., assignors to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application March 13, 1939, Serial No. 261,496
10 Claims. (Cl. 51—263)



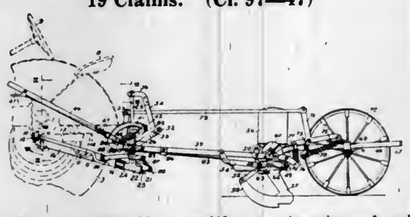
1. A metal polishing apparatus comprising, in combination, means for melting and maintaining a body compound in a free flowing liquid state, a pad of porous material such as felt, means for supplying liquid polishing compound from said body to said pad, an abrasive polishing wheel, and means for moving a succession of work pieces sequentially past said pad to wipe a coating of polishing compound thereon and then past said polishing wheel for buffing the same, said pad and wheel being spaced to permit congealing of the coating on each work piece prior to engagement with said wheel.

2,248,504
MEANS FOR INDICATING SPEED RATIOS AND POTENTIAL RATIOS
Thomas A. Kenny, Mount Lebanon, Pa., assignor of one-half to Raymond A. Siedle, Pittsburgh, Pa.
Application November 23, 1938, Serial No. 241,983
2 Claims. (Cl. 235—103.5)



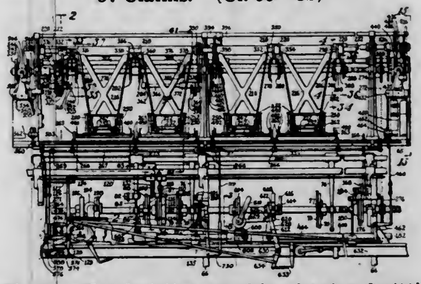
1. A network for the purposes described consisting of two voltage sources, one side of each being at a common potential, one source being in series with one ratio meter coil and the other in series with a resistor, between the junction of which and the point of common potential is embodied the connection, in series, of the other ratio meter coil and a second resistor.

2,248,505
AGRICULTURAL IMPLEMENT
John D. McKahin, La Crosse, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 30, 1939, Serial No. 264,889
19 Claims. (Cl. 97—47)



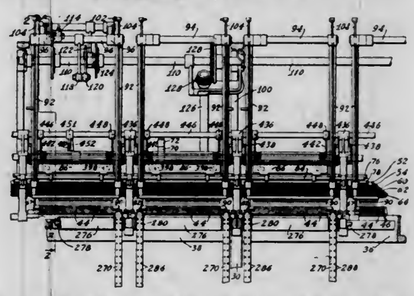
1. In combination with a tractor having wheeled front and rear supports, a rigid hitch member connected with said tractor for pivotal movement relative thereto about an axis substantially coinciding with the wheel axis of said support, an implement adapted to be drawn by said tractor having a frame, coupling means connecting said frame and hitch member for pivotal movement relative to each other about a substantially vertical axis, said coupling means including a first coupling element associated with said hitch member and a second coupling element associated with said frame adjustable relative to said first coupling element in the direction of said vertical axis and cooperating with said first coupling element to resist sagging of said frame and hitch member in any position of pivotal displacement of said frame relative to said hitch member about said vertical axis, raising and lowering means for said frame including a mechanism for adjusting said second coupling element relative to said first coupling element along said vertical axis, and a ground engaging support connected with a rearward portion of said frame.

2,248,506
KNITTING MACHINE
Max C. Miller, Cumberland, R. I.
Application February 28, 1936, Serial No. 66,207
37 Claims. (Cl. 66—82)



29. In a flat knitting machine having knitting devices including a series of needles movable as a unit, an instep fabric supporting bar comprising a series of loop lifting implements, a hanging frame on which said bar is supported to move forward and back in the direction of take-up toward and away from the needles, and a vertically movable pivotal support for said hanging frame.

2,248,507
KNITTING MACHINE
Max C. Miller, Cumberland, R. I., assignor to Knitting Machines Corporation, a corporation of Delaware
Application November 12, 1938, Serial No. 239,984
87 Claims. (Cl. 66—82)

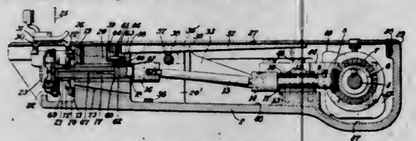


1. In a flat full-fashioned hosiery machine having knitting devices including a needle series and welt devices for knitting welted fabrics, the combination with a welt wire, of a fabric take-up arranged to be operatively engaged with the welt wire to take up the fabric, means to cause the completed fabric to be pressed off from the needles, and means acting thereupon to impart relative movement to the take-up and welt wire to disconnect the completed fabric from the take-up and thereby to discharge the completed fabric from the machine.

2,248,508
LUBRICATING DEVICE FOR SEWING MACHINES
Walter Myers, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 6, 1938, Serial No. 244,145
12 Claims. (Cl. 112—256)

4. A sewing machine having a rotary loop-taker provided with a thread-case raceway, a

lubricant-supply reservoir, a lubricant-pocket disposed between said reservoir and said raceway and provided with excess-lubricant discharge means, a lubricant-metering device disposed in said lubricant-pocket below the level of said dis-



charge means, means for supplying a flood of lubricant from said reservoir to said lubricant-pocket, and suction-inducing means for drawing lubricant through said metering device and delivering it to said raceway.

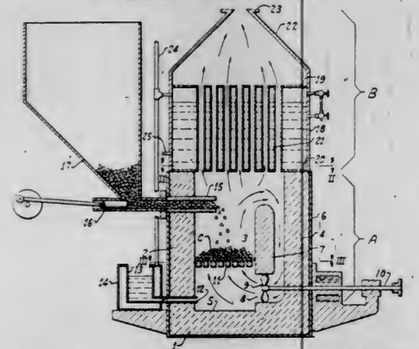
2,248,509

METHOD FOR PRODUCING CARBON BISULPHIDE

Frank H. Parsons, Fairport Harbor, Ohio, assignor of one-fourth to William Ahlstrom, Mentor, Ohio, one-fourth to John A. Horacek, and one-fourth to Richard J. Tischler, both of Fairport Harbor, Ohio

Application January 31, 1939, Serial No. 253,823

6 Claims. (Cl. 23—206)



2. The method of making carbon bi-sulphide which comprises vaporizing sulphur, raising said sulphur to a temperature above the minimum formation temperature of carbon bi-sulphide, circulating said heated vapor in a closed path, and interposing carbon in said path, continuing the circulation of the heated vapor causing the same to repass the interposed carbon in each cycle of its circulation, removing portions of the mixed sulphur vapor and carbon bi-sulphide vapor, cooling the mixed vapors below the precipitation temperature of sulphur, returning the precipitated sulphur to the atmosphere in the closed path, vaporizing the precipitated sulphur by heat from the atmosphere, and removing the un-precipitated carbon bi-sulphide vapor.

2,248,510

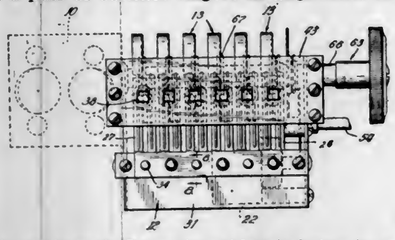
ELECTRIC SWITCH

Alexander W. Plensler, Chicago, Ill., assignor to Belmont Radio Corporation, a corporation of Illinois

Application April 11, 1938, Serial No. 201,385

12 Claims. (Cl. 200—8)

8. Selector mechanism for controlling the tuning of a radio receiver including in combination, a rotary unit having a plurality of control units thereon, a pair of conductor combs with each of said combs including a plurality of contact fingers thereon and each comb being insulated from the other comb, means for supporting said combs in a position with respect to one another and said rotary unit such that each control unit has a pair of contact fingers in alignment there-



with, with each finger in said pair being in a different comb, and means engaging a selected pair of contact fingers and movable toward the corresponding control unit to bring one finger or the other in the pair into engagement with said control unit.

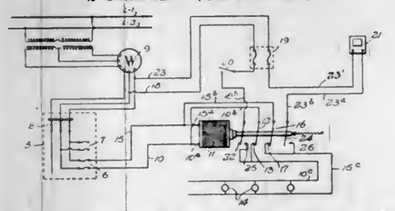
2,248,511

AUTOMATIC EMERGENCY SAFETY CONTROL

Russell Rust, Lynchburg, Va.

Application December 21, 1938, Serial No. 247,124

2 Claims. (Cl. 171—97)



2. In combination, a main supply or feeder circuit, a house, building or analogous circuit tapped into said main power supply to receive current therefrom and supply a load such as a group of lights or the light, said house circuit including a panel board having thereon one or more fuses and a control switch, a normally open emergency circuit tapped into the house circuit in advance of said panel board and switch and connected to the load to shunt the power supply around the house circuit to the load, means including a relay unit operatively connected into the building circuit and emergency circuit to close the emergency circuit in the event flow of current is interrupted in the house or building circuit as by blowing of a fuse or throwing of said switch, and a switch located at a point remote from said panel board and operatively connected into said emergency circuit whereby the latter may be rendered operative or inoperative at will.

2,248,512

DEPOLYMERIZATION OF POLYSTYRENE

Thomas Bruce Philip, Effingham, Herbert Muggleton Stanley, Tadworth, and William Laurence Wood, Tunbridge Wells, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company

No Drawing. Application February 7, 1940, Serial No. 317,772. In Great Britain February 16, 1939

16 Claims. (Cl. 260—669)

1. The process of depolymerization of polystyrene which comprises subjecting the polystyrene to a rapid heating of short duration the speed of which is ensured by intimately contacting the polystyrene with the body or surface of a heated material of high heat conductivity maintained at a temperature of from 550° C. to 700° C. whilst preventing a static or sluggish state of contact.

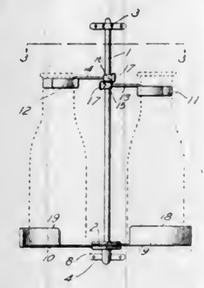
2,248,513

MILK BOTTLE HOLDER

Harry E. Riley, East Hampton, N. Y.

Application June 27, 1939, Serial No. 281,477

2 Claims. (Cl. 211—75)



1. A bottle support comprising an upright rod, clips adjustable on the rod vertically and laterally for engaging the neck of the bottles, bases receiving the lower ends of the bottles adapted to swing on the rod under the clips to nest in one direction, a peripheral upstanding flange extending from the sides and the free end of the upper base, a peripheral upstanding flange on the side remote from the upper base and its free end of the underlying base, and a collar bearing on the overlapping base in locked position.

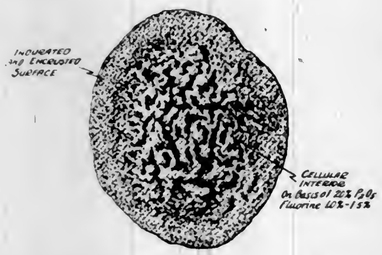
2,248,514

GRANULAR SUPERPHOSPHATE WITH LOW FLUORINE CONTENT

Mark Shoeld, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.

Application June 15, 1938, Serial No. 213,929

12 Claims. (Cl. 71—48)



2. A granular superphosphate fertilizer comprising nodular, globoid, encrusted and indurated particles sufficiently coarse for distribution on the land without substantial dusting but of a size to permit free flowing, in which the fluorine content lies between 1.1 per cent and 1.30 percent on the basis of 20 percent total P_2O_5.

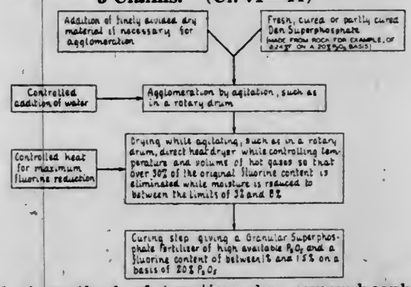
2,248,515

METHOD OF PRODUCING GRANULAR SUPERPHOSPHATE OF LOW FLUORINE CONTENT

Mark Shoeld, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.

Application June 15, 1938, Serial No. 213,930

3 Claims. (Cl. 71—44)



1. A method of treating den superphosphate to produce a granular superphosphate fertilizer having a low fluorine content and accelerated curing rate which is in hard dry indurated and encrusted particles which have several times the crushing strength of ordinary den superphosphate comprising subjecting the den superphosphate to a conditioning step in the presence of moisture, tumbling the material to produce agglomerated particles, subjecting the particles to a drying step in which the particles are agitated and subjected to hot gases, discharging the particles from the drying step when the moisture content has been reduced to from 4½% to 5½% of water, and regulating the temperature of the gases and their flow over the agglomerated particles so that by the time the final moisture content has been attained the fluorine content of the particles lies between 1.1% and 1.45% on a basis of 20% total P_2O_5.

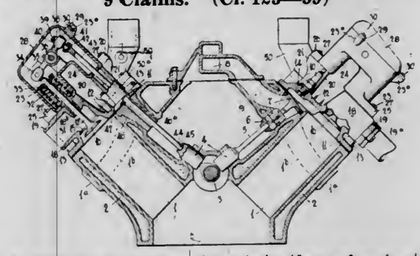
2,248,516

MEANS FOR CONVERTING L-TYPE ENGINE TO VALVE-IN-THE-HEAD TYPE

Turman N. Smith, San Antonio, Tex.

Application December 9, 1940, Serial No. 369,342

9 Claims. (Cl. 123—59)



4. Means for converting into the valve-in-the-head type engines of the L-type having inlet and exhaust valves normally mounted in the engine block, said means comprising a plug shaped to fit within the existing exhaust valve seat and terminating substantially flush with the surface of the engine block, a cylinder head adapted to cover said seat and plug, said plug having an opening extending longitudinally therethrough, and said head having a hollow boss disposed in alignment with said opening, said head having an exhaust passage and an exhaust valve mounted therein, the outer wall of said passage being

of substantially the same height as said boss, an individual rocker arm housing supported on said wall and boss, a rocker arm in said housing engaging at one end said valve, and a push rod extending into said housing through said aligned opening and hollow boss and engaging the other end of said rocker arm.

2,248,517
REINFORCED CONCRETE FLOOR STRUCTURE
William Herbert Smith, East Molesey, England
Application November 28, 1938, Serial No. 242,852
In Great Britain December 1, 1937
6 Claims. (Cl. 72—66)



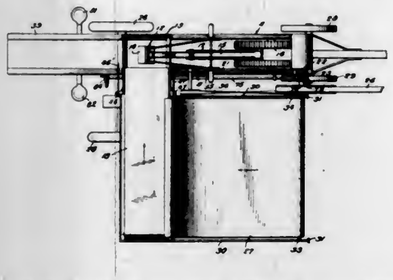
2. A reinforced concrete floor structure comprising in combination preformed blocks with cavities therein, arranged in spaced rows extending in the longitudinal direction, in-situ concrete supporting beams cast in the spaces between the rows, each row being composed of a plurality of separate blocks the majority of which have cavities passing right through them but including some blocks having blind cavities arranged so that two blind ends face one another and leave a transversely extending space therebetween, and reinforced concrete distributing beams cast in each transverse space between the blocks.

2,248,518
MANUFACTURE OF ETHERS OF PHENYLMETHYLCARBINOL AND ITS HOMOLOGUES
Herbert Muggleton Stanley, Tadworth, Gregoire Minkoff, Epsom Downs, and James Ernest Youell, Wallington, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application July 19, 1939, Serial No. 285,438. In Great Britain August 10, 1938
6 Claims. (Cl. 260—611)

1. A process for the preparation of the ethyl ether of phenylmethylcarbinol which comprises treating styrene with ethanol in the presence of an amount of concentrated sulphuric acid of 0.5 to 5% by weight of said ethanol at a temperature of between about 50° C. and about 150° C., cooling the reaction mixture, adding sufficient triethanolamine to neutralise said sulphuric acid and distilling the reactants to separate out the said ether.

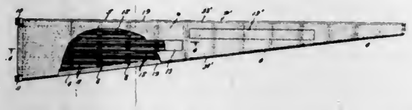
2,248,519
PICKUP HAY BALER
George W. Thompson, Jr., Owensboro, Ky.
Application July 24, 1940, Serial No. 347,291
7 Claims. (Cl. 100—25)

1. In a baler for hay and the like material comprising, a baling mechanism including a plunger, a hopper associated therewith, and a conveyor to deliver the material to the hopper in a continuous mass, a drive mechanism for the conveyor, a clutch to disconnect the conveyor drive to interrupt operation thereof, mechanism sweepable horizontally across the conveyor feed to separate the mass of material at the edge of the hopper, and interconnecting mechanism between the conveyor drive mechanism and the separating mechanism to separate the material at the time when the operation of the conveyor is interrupted, the improvement in interconnecting mechanism comprising a slide rod operable during the production of



each bale, slidable in one position to operate the separating mechanism and to another position upon resumption of operation of the conveyor drive mechanism.

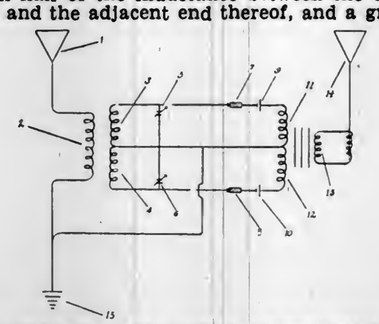
2,248,520
WING BEAM
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application January 26, 1939, Serial No. 252,962
6 Claims. (Cl. 244—123)



1. In an airplane wing construction, a spar comprising a front beam and a rear beam, the front beam being angularly and rearwardly inclined from its inboard to its outboard ends, relatively to the rear beam, reenforcing blocks for the beams tapering constantly when considered from their inboard to their outboard ends, said outboard ends for said reenforcing blocks being at points subsantially midway of the longitudinal dimension of the spar, said reenforcing blocks having notches in their inboard end, hinges for the front beam and the rear beam, said hinges interfitting with said notches in said reenforcing blocks, a foundation plate lying substantially in the plane passing through said hinge, stringers extending from said foundation plate longitudinally of the spar, said stringers fading out as they approach the front beam, an inner skin joined to the inner side stringers and an outside skin joined to the outside of said stringers.

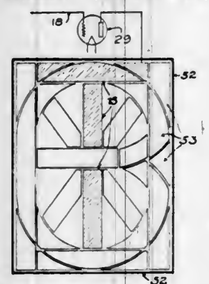
2,248,521
RADIO RECEIVING CIRCUIT
Archie Henry Blue, Christchurch, New Zealand, assignor of ten-sixteenths to Ross Derisley Wood, Christchurch, New Zealand
Application May 22, 1939, Serial No. 274,920
1 Claim. (Cl. 250—20)

In a radio receiving system, an inductance having a center tap, a speaker unit including a transformer having a center tapped primary coil, a conductor connecting said center taps, a rectifier connected between each end of the inductance and an end of said coil, a source of potential connected in series between each rectifier and the coil, tuning condensers connected across each half of the inductance between the center tap and the adjacent end thereof, and a ground



connected with said conductor between said condensers and said coil.

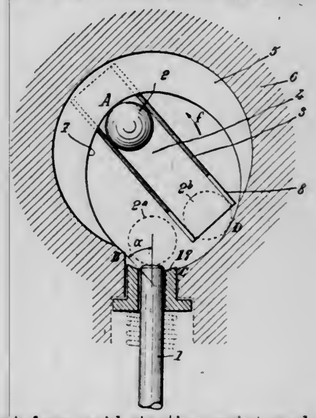
2,248,522
AUTOMATIC TELEGRAPHY
Ivan W. Conrad, Washington, D. C.
Application April 18, 1939, Serial No. 268,591
7 Claims. (Cl. 178—62)



1. In a telegraph system, a receiving station mechanism including means defining recordable characters in the form of letters, numerals and symbols, a sensitized electrically conductive recording medium, means for advancing said recording medium relative to said characters, means with which said character defining means cooperate to supply to said recording medium by direct contact conduction a recording current to effect complete, instantaneous electro-chemical recording of said characters on said recording medium, said means and said characters having an unvarying relationship to each other with respect to motion, and means controlling said recording current and the selection of characters to be recorded.

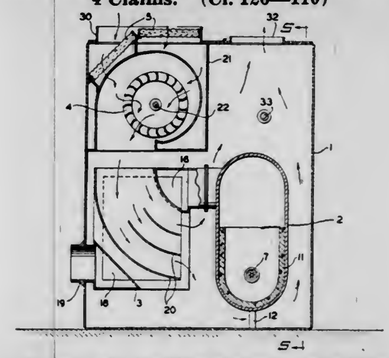
2,248,523
HAMMER
Jacques Pierre Henri Francastel, Paris, France, assignor to The Rawlplug Company Limited, London, England, a society of England
Application March 16, 1939, Serial No. 262,301
In Belgium March 24, 1938
2 Claims. (Cl. 125—33)

1. In an automatic hammer having a frame, a tool slidably mounted upon said frame, a striking roller mass, and means supported in said frame for guiding said mass into striking relationship with said tool, said means comprising means for guiding said mass in both a revolutionary and radial direction with respect to a center, and a cam presenting a smoothly curved surface lying in a plane including the longitudinal axis of said tool and starting from a point slightly below the upper face of said tool, the tangent of said surface at said starting point being substantially normal to said axis, said curved surface decreasing in radial distance from said center to a second point lying in the third



quadrant from said starting point and then increasing in such radial distance to an end point located above the upper face of said tool, and said surface having a tangent at said end point which intersects said axis below the upper face of said tool and makes an acute angle of the order of 45° with said axis.

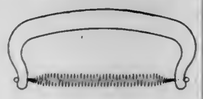
2,248,524
HEATING APPARATUS
Clarence Scott Franke, St. Louis, Mo.
Application March 2, 1939, Serial No. 259,435
4 Claims. (Cl. 126—110)



1. In an air heating system; a cabinet; air intake and air delivery openings in the cabinet; a combustion chamber supported above the bottom of the cabinet below the hot air delivery opening; a secondary heating member comprising a plurality of vertically disposed hollow sections located beneath the air intake opening; an exhaust pipe extending from the upper portion of the combustion drum and in communication with the upper portion of the secondary heating member; a second exhaust pipe; one extremity of which communicates with the lower portion of the secondary heating member and the other extremity being in communication with the atmosphere; a blower located in the cabinet above the secondary heating member for forcing air downwardly into contact with said secondary

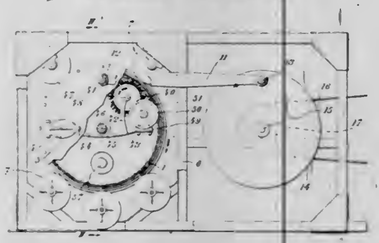
heating element; and fins disposed between the vertically disposed hollow sections for directing air diagonally through said secondary heating member and around, beneath and over said combustion chamber.

2,248,525
MASSAGING DEVICE
Heinrich Fleissner, Augsburg, Germany
Application October 12, 1938, Serial No. 234,510
In Germany October 13, 1937
1 Claim. (Cl. 128—60)



A device for massaging the human flesh, including, in combination, an arched frame in the form of a comb-like bow having arms whose ends are curved outwardly to provide concave seat portions located inwardly of the tips of the ends, said arms having slots disposed longitudinally thereof and extending inwardly from the tips of the ends to a point within the zone of said concave seat portions, a coil spring removable and replaceable in the frame and having straight opposite axial ends, terminal balls at the extremities of said axial ends, said axial ends being insertable in said slots from the open end thereof whereby the terminal balls rest in the said concave seat portions thereby releasably to hold the spring assembled to the arms of the frame, the said spring being rotatable on said axial ends in the slots so that the spring may roll when the device is manipulated over the human flesh.

2,248,526
APPARATUS FOR DISINTEGRATING CEREALS AND OTHER GRANULAR MATERIALS
Auguste Eugène François, Paris, France
Application August 9, 1939, Serial No. 289,284
In France August 16, 1938
2 Claims. (Cl. 83—9)



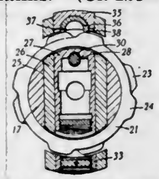
1. An apparatus for disintegrating a matter of the type mentioned, which comprises, in combination, a frame, a cylindrical drum of circular cross section journalled about said frame, an abrasive lining on the inner surface of said drum, means for rotating said drum about its axis in said frame so that the matter present in said drum rubs against said lining, a circular brush having its axis parallel to the axis of said drum mounted inside said drum, a spindle for said brush, spring means for supporting said spindle so as to keep said brush in contact with said abrasive lining, and rollers adapted to run on the cylindrical inner wall of said drum operatively connected with said spindle for rotating said brush in a direction opposed to the direction of rotation of said drum.

2,248,527
ELECTRIC CURLER FOR PERMANENTLY GIVING A MARCEL WAVING TO THE HAIR
Maria Rosa Mendez Gil, Mexico City, Mexico
Application March 25, 1940, Serial No. 325,918
In Mexico March 30, 1939
1 Claim. (Cl. 132—36)



A hair curler comprising a base made up of a plurality of base plates, together formed with an opening through which a strand of hair may be passed, said base plate being relatively movable along lines passing through the opening for convenience in introducing a strand of hair and for substantially clamping it with relation to the base, hair-carrying plates secured in fixed relation to the base and extending normally therefrom in spaced parallel relation, pins projecting from the relatively outer surface of each hair-carrying plate and transverse the length thereof, and means whereby the hair-carrying plates may be spread apart throughout one edge without correspondingly affecting the opposite edges, said means comprising a bar mounted for movement longitudinally of the hair-carrying plates but held against transverse movement relative thereto, a second bar mounted for movement transversely of the hair-carrying plates, but held against longitudinal movement with respect thereto, the respective bars being disposed between the edges of the hair-carrying plates and formed on their meeting edges with complementary angular projections and notches whereby in the longitudinal movement of the first mentioned bar the second bar will be forced to move transversely of the hair-carrying plates and between the edges thereof adjacent such second bar only to thereby force the pins carried by the hair-carrying plates in a direction to tighten any hair coil which may be arranged thereon, and means connected to the first said bar for manually moving said bar longitudinally of the hair-carrying plates.

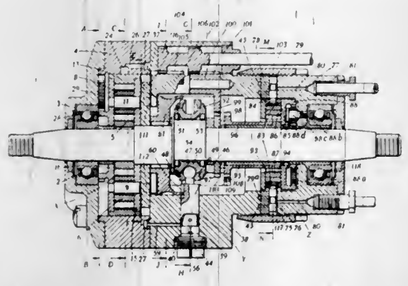
2,248,528
TAPPET OPERATING ARRANGEMENT FOR INTERNAL COMBUSTION ENGINES
Hamilton Gordon, Weyburn, Elstead, and Stanley Herbert Attwood, New Malden, England, assignors to Attwood Diesel Equipment Company Limited, London, England, a British company
Application April 30, 1938, Serial No. 205,338
In Great Britain May 1, 1937
18 Claims. (Cl. 123—90)



1. A tappet operating arrangement for use in an injection system of an internal combustion engine comprising tappet means and at least one pair of cams for actuating said tappet means solely by the joint action of both cams of each pair on the tappet means, said tappet means being rotatable relatively to said cams and said cams being displaceable relatively to one another with respect to said tappet means for the purpose of regulating the period of operation.

2. A tappet operating arrangement for use in an injection system of an internal combustion engine comprising tappet means and at least one pair of cams for actuating said tappet means solely by the joint action of both cams of each pair on the tappet means, said tappet means being rotatable relatively to said cams and said cams being displaceable together with respect to said tappet means for the purpose of regulating the timing of operation.

2,248,529
FUEL INJECTION APPARATUS FOR INTERNAL COMBUSTION ENGINES
Hamilton Gordon, Weyburn, Elstead, and Stanley Herbert Attwood, New Malden, England, assignors to Attwood Diesel Equipment Company Limited, London, England, a British company
Application April 30, 1938, Serial No. 205,339
In Great Britain May 1, 1937
13 Claims. (Cl. 123—140)

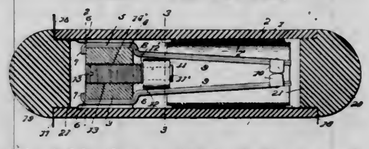


1. Fuel injection apparatus for an internal combustion engine of the compression ignition type comprising in combination as a self-contained unit, a pump for delivering fuel at injection pressure, means for regulating said pressure, a distributor for controlling the supply of fuel at injection pressure, said distributor including means for varying the period of fuel injection and means for varying the time of commencement of fuel injection, and speed-responsive means for controlling at least one of the aforesaid means in accordance with predetermined requirements.

2,248,530
METAL ARTICLE HAVING ANTIFRICTION SURFACE
Edson Raymond Granger and Ralph Ellesworth Cleveland, Waterbury, Conn.
No Drawing. Application June 5, 1939, Serial No. 277,498
14 Claims. (Cl. 308—241)

1. The combination of an article, having an antifriction surface which is of chromium, said surface being covered with a multiplicity of indentations and prominences of a size sufficient to be visible to the naked eye and producing a matte appearance, the tops of the prominences forming a substantially smooth, plane surface, with a second article having a surface in frictional contact with said chromium surface, the said surfaces being in relative motion, the contact pressure between said surfaces being below that causing deformation of the second surface to such an extent that said second surface is caused to enter said indentations thereby increasing the friction therebetween.

2,248,531
THERMOSTAT
Gwin C. Harris, Orange, N. J., assignor, by mesne assignments, to Richard J. Fitz Maurice, Orange, N. J.
Application March 3, 1939, Serial No. 259,648
1 Claim. (Cl. 200—122)



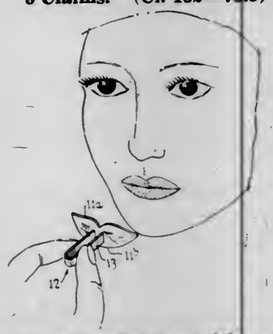
An adjustable thermostat including a cylindrical hollow casing open at the respective ends, an insulating block conforming to and accurately fitting the interior surface of the casing, said block being formed with diametrically opposing flattened recess portions extending throughout the full axial length of the block, a plate fitted in each recess, the plate being bent over the opposing ends of the block inwardly of the bottom of the recess to hold the plate against movement longitudinally of the block and form the sole securing means of the plate relative to the block, said plates being extended beyond the block toward the opposite end of the casing in the form of converging bimetallic arms, the free ends of the arms remote from the block having contact points, a coil surrounding the arms and in contact with the interior surface of the casing, the block being formed with a central axial opening extending entirely through the block and being interiorly threaded, a rod cooperating with the threaded opening, a terminal on the rod beyond the block contacting with the plates and serving to adjust the contacts on the plates relative to each other in accordance with the adjustment of the rod in the block, a conductor leading into the casing at one end and connected with one plate and the coil, a second conductor leading into the same end of the casing and connected to the other plate, and a conductor leading into the opposite end of the casing and to the coil, and caps removably closing the ends of the casing and frictionally holding the conductors in place, the removal of the cap adjacent the block permitting access to the rod in the block for adjustment of the contacts.

2,248,532
DENTAL MATRIX BAND
Anthony F. Hoffmann and Herman J. Dettmann, Dubuque, Iowa
Application April 15, 1940, Serial No. 329,792
3 Claims. (Cl. 32—63)



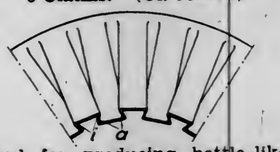
1. A dental matrix band adapted for engaging and partly enclosing a tooth to provide a retainer for a plastic filler applied to the tooth, said band being formed of material soluble in saliva and adapted to become dissolved subsequent to the setting of the filling.

2,248,533
MOUTH BEAUTIFIER
Carlos M. Gibert, New York, N. Y.
Application September 14, 1940, Serial No. 356,817
8 Claims. (Cl. 132—78.5)



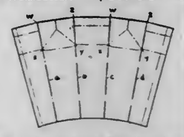
1. A mouth beautifier comprising a part having a surface curved horizontally and straight from top to bottom, and of a shape of the combined upper and lower lips, and a handle on said part.

2,248,534
METHOD OF MAKING PAPER CONTAINERS
Günther Meyer-Jagenberg, Dusseldorf, and Adolf Conrad Plötze, Berlin-Charlottenburg, Germany
Application April 26, 1937, Serial No. 139,060
6 Claims. (Cl. 93—60)



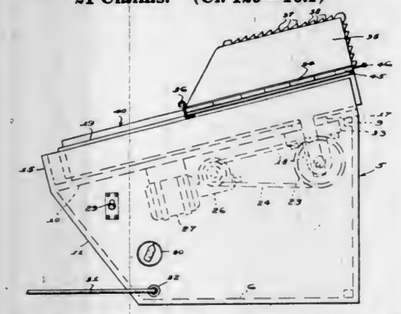
1. Method for producing bottle-like shaped paper containers the innermost edge of which is coated with an impregnating substance comprising polymerized derivatives of unsaturated aliphatic hydrocarbons emulsified in water or similar non-solvents, said method comprising such a succession of operations that firstly a conical neck is formed by folding and compressing the upper end of a tubular body, that then the said impregnating substance is applied to the innermost side, and that finally the bottom is inserted into the body.

2,248,535
PROCESS AND APPARATUS FOR MANUFACTURING PAPER CONTAINERS
Günther Meyer-Jagenberg and Karl Küchler, Dusseldorf, Germany
Application June 29, 1939, Serial No. 282,000
In Germany July 1, 1938
9 Claims. (Cl. 93—36)



1. A process of manufacturing paraffined or in a similar manner impregnated paper containers of the type having a folding closure, said process comprising the passing of the paper containers with partly closed folding closure through the liquid for impregnating and the subsequent turning of the paper containers with their mouths facing downwards for draining off, whereby the paper containers are held at their bottom end in order that the state of the folding closure is not impaired.

2,248,536
CARD SORTING DEVICE
Walter Leland Jones, Webster Groves, Mo., assignor of one-half to Loma Jones, Webster Groves, Mo.
Application March 6, 1940, Serial No. 322,637
21 Claims. (Cl. 129—16.1)



1. A device for separating selected cards from a pack of cards, said device comprising a support including a declining top, a vibratory member mounted on said support and projecting above said top, retainer means on said top to hold a pack of cards on edge at the upper end of said top, and selector means engageable with selected ones of the cards of the pack other than the cards to be separated, said selector being arranged to be engaged with said vibratory member.

2,248,537
ANTISKID DEVICE
Fay Jackson Libbey, Albany, N. Y.
Application July 17, 1940, Serial No. 346,010
3 Claims. (Cl. 238—14)



1. A traction device of the class described, comprising an intermediate frame section, end frame sections pivotally connected to the intermediate frame sections, each section including longitudinal side members secured together having spacing means therebetween, ground engaging spikes carried by the intermediate and one of the end frame sections, the other end frame section having its free ends pointed and curved downwardly for engaging the ground and transverse traction chains extending across each frame section.

2,248,538
COLLAPSIBLE AUTOMOBILE ROOF
George Liebler, New York, N. Y.
Application August 26, 1940, Serial No. 354,318
3 Claims. (Cl. 296—98)

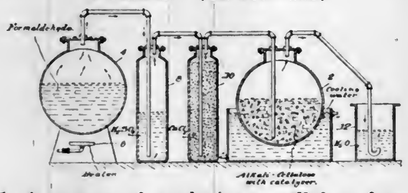
1. In combination with a vehicle body having

a top, said top having an opening therein, a collapsible flexible roof adapted to close the opening when in an extended position and render the opening free and unobstructed when the roof is in a collapsed position, a roller upon which the collapsible roof is adapted to be rolled, said collapsible roof comprising a pair of sections, hook members carried by one section, the other



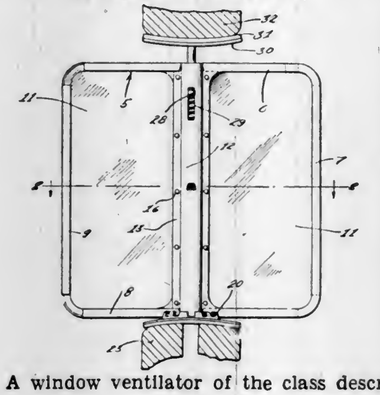
section having notches into which said hook members are adapted to extend, spring plunger latches adapted to engage the hooks for holding the sections in assembled relation and also adapted to release the hooks to permit the sections to be separated, and means for moving the collapsible roof to and from an extended position.

2,248,539
PRODUCTION OF CELLULOSE FORMATES
Kurt P. Lorenz, St. Albans, N. Y.
Application September 8, 1939, Serial No. 294,011
2 Claims. (Cl. 260—228)



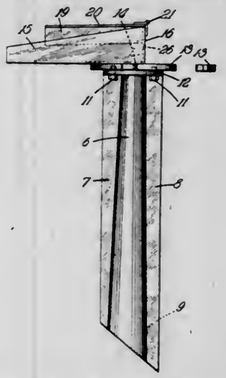
1. A process of producing a cellulose formate comprising treating cellulose with a concentrated solution which is liquid at normal temperatures containing a caustic alkali in excess of equimolecular proportion with the cellulose and formaldehyde in excess of equimolecular proportion with the alkali in the presence of a catalyst selected from the group consisting of copper hydroxide and cuprous oxide.

2,248,540
WINDOW VENTILATOR
Frederick Lemmer, Irvington, N. J.
Application July 27, 1940, Serial No. 347,981
11 Claims. (Cl. 296—84)



1. A window ventilator of the class described comprising a pair of duplicate ventilator frame members including vertical and horizontal frame portions, means for securing a glass panel in each of said frame members, means for connecting one of the vertical edges of each of said frame members together to form a post, and means for adjustably mounting said post in position in a window opening.

2,248,541
MELTING AND CASTING OF METALS
Eric Crisp Lewis, Putney, London, England, assignor to Magnesium Elektron Limited, London, England, a British company
Application August 14, 1940, Serial No. 352,597
In Great Britain August 16, 1939
4 Claims. (Cl. 22—69)

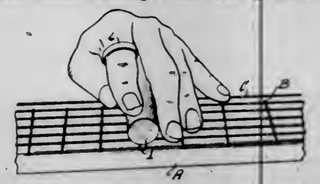


1. Apparatus for dealing with molten metals comprising a crucible adapted to contain molten metal and gas under pressure, a delivery pipe for the molten metal adapted to extend from the upper part of the crucible downwardly and below the level of the molten metal and having its lower end freely suspended in the metal and otherwise constructed so as to be readily removable from the crucible, its upper end being outside the crucible for delivery of molten metal, means to increase the gas pressure in the crucible to force the metal up the delivery pipe and out of its upper end, a delivery channel member communicating with the delivery pipe and leading outwardly from the crucible at an angle between the horizontal and vertical and with its outer end lower than its inner end so that the molten metal is held against the channel by gravity so that it gravitates smoothly along the channel, and means to enclose the channel in all directions except in the direction of the outlet end of the channel, a sufficient part of the means for enclosing the channel being readily movable to permit a straight cleaning rod or pyrometer tube to be inserted in the upper end of the delivery pipe and down to the molten metal.

2,248,542
FINGERING STEEL FOR GUITARS
Loyd M. McDaniel and John H. Herring, Daytona Beach, Fla.
Application May 20, 1940, Serial No. 336,181
1 Claim. (Cl. 84—319)

A fingering steel for use in playing stringed musical instruments, comprising a solid relatively narrow cylindrical bar having a threaded bore extending transversely thereof for the major portion of its diameter adjacent one end, a post

including a shank threaded in the bore for securing the post to the bar, a relatively large head formed on the shank for reinforcing the outer portion of the post and terminating in a reduced outer end having a flat face providing a seat, said head having a threaded bore therein,



a continuous circular ring mounted on the seat, a kerfed headed screw threaded in the latter bore for securing the ring to the post, and said screw being of a length greater than its bore to space the head of the screw from the seat to allow for free swivel movement of the ring.

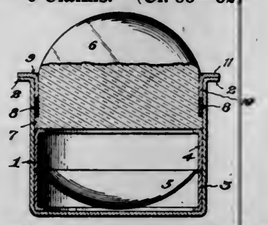
2,248,543

REFLECTOR UNIT

Charles Hallam Mahoney and William Stanley Brian, Owensboro, Ky., assignors to Ken-Rad Tube & Lamp Corp., Owensboro, Ky., a corporation of Delaware

Application February 20, 1939, Serial No. 257,492

9 Claims. (Cl. 88—82)



1. In a reflector unit, an outer shell closed at its back and having an open mouth, a reflector within the shell, a lens having an annular rib, an annular member fitted within the shell and spacing the reflector from the lens, a second annular member fitted within the shell and held between the reflector and the back of the shell, a resilient sealing medium within the shell and engaging one shoulder of the rib, and annular means rigidly held at the mouth of the shell for permanently maintaining said sealing medium compressed to hermetically seal the reflector against atmospheric attack and to hold the lens in the shell, said rib and sealing medium being held between the first mentioned annular member and the said annular means rigidly held at the mouth of the shell.

2,248,544

AIR SUPPLY MEANS FOR DIESEL ENGINES

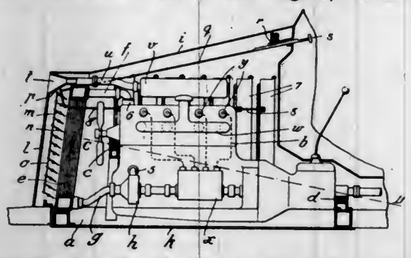
Herbert Maruhn, Stuttgart-Bad Cannstatt, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany

Application February 24, 1939, Serial No. 258,211

In Germany February 26, 1938

5 Claims. (Cl. 123—27)

1. In a vehicle driven by an engine of the compression-ignition type, means forming an engine compartment at the front of the vehicle, including a hood and a radiator grill provided with a plurality of relatively narrow apertures and one relatively large opening, an adjustable louver positioned immediately behind the narrow apertures of said grill without obstructing said large opening, a radiator positioned immediately behind said louver, conduits for supplying cooling water to and from said radiator, from and to said engine, a funnel having its mouth surrounding said opening and its tube extending rearwardly, means for connecting said tube for supplying combustion air to said engine, means for



introducing fuel into said engine independently of said combustion air, and means for adjusting said louvers, whereby the temperature about said engine in said engine space may be raised to a predetermined height, while relatively cold air will be supplied interiorly of said engine, independently of the temperature within said engine space.

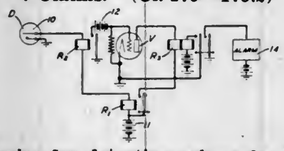
2,248,545

CONTACT TESTING DEVICE

John H. McConnell, West Brighton, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 30, 1939, Serial No. 311,730

7 Claims. (Cl. 179—175.2)



1. A device for detecting rebounds of contacts whose initial closure initiates the transmission of a useful pulse, comprising a gas-filled triode, an alarm control relay included in the plate circuit of said triode and apparatus controlled by said contacts for discriminating between an opening of said contacts occurring at the end of a pulse and a preceding premature opening occurring subsequent to the initial closure of said contacts whereby said triode is rendered conductive during the occurrence of the premature opening and the alarm control relay accordingly operated.

2,248,546

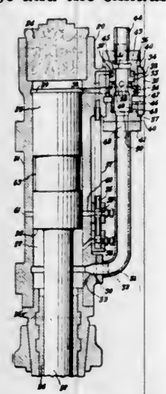
ROCK DRILL

William A. Morrison, Easton, Pa., and Arthur D. Bennett, Washington, N. J., assignors to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application November 18, 1939, Serial No. 305,116

7 Claims. (Cl. 121—18)

1. A pressure fluid actuated rock drill, comprising a cylinder having a piston chamber, a piston reciprocable in the piston chamber having a rear pressure surface and a front pressure surface of smaller area than the rear pressure surface, a valve chest having a valve chamber and an exhaust port, an inlet passage leading from the valve chamber to the rear end of the piston chamber, a pressure fluid supply conduit for the valve chamber, a valve in the valve chamber to communicate the supply conduit with the inlet passage and to control communication between the inlet passage and the exhaust port, means to



intermittently convey fluid pressure to and from the piston chamber at a selectively variable controlled rate of flow to actuate the valve, and means for constantly supplying pressure fluid to the front pressure surface.

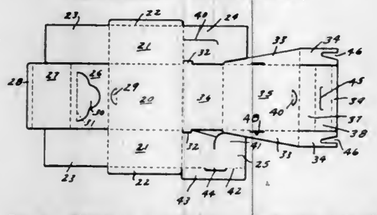
2,248,547

DISPLAY BOX

Belmont D. Osteen, Birmingham, Ala., assignor to Birmingham Paper Company, a corporation of Alabama

Application June 23, 1937, Serial No. 149,823

11 Claims. (Cl. 206—44)



1. In a display container, a body blank cut and scored to provide elements foldable to form a bottom and interconnected side and end walls, a cover blank cut and scored to provide elements foldable to form a top and cover sides interlocked with an interposed end wall, a hinge flap connecting the body bottom element to an end of the cover and scored to permit it and the connected end of the body to be folded down onto the inverted cover with the body end resting at an intermediate point on said cover top between the cover sides, and complemental lock elements on the lower body end and cover which by engagement will hold the body against falling backward when its said lower end is nested in rearwardly inclined relationship between the cover walls.

2,248,548

TELEVISION TRANSMITTER

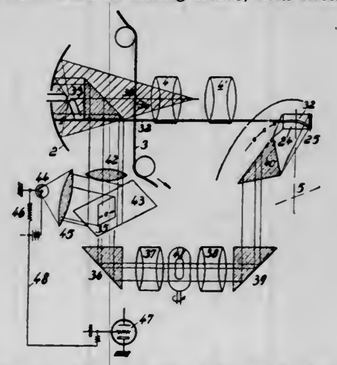
Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application August 2, 1935, Serial No. 34,390

In Germany August 4, 1934

2 Claims. (Cl. 178—7.1)

2. A television transmission arrangement comprising a Nipkow disc containing a row of scanning holes, a photoelectric cell, a single source of light, means including said source of light for projecting an image of the object to be transmitted onto said Nipkow disc, and means including said source of light for projecting an additional light bundle upon the image projection onto said Nipkow disc, said additional lighting exactly covering the image field, the length of said image field being smaller than the spacing between said scanning holes, and means for



producing an image current in said photoelectric cell by scanning said image field, an electronic amplifier for amplifying said image currents, means responsive to the light from the source for producing a potential substantially proportional to the intensity of the single source of light, and means for controlling the image current amplifier by the produced potential whereby the strength of the amplified image current will be substantially unaffected by changes in the intensity of the single light source.

2,248,549

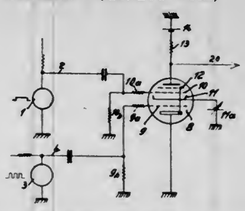
TELEVISION TRANSMITTER

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application August 31, 1937, Serial No. 161,775

In Germany September 5, 1936

3 Claims. (Cl. 178—7.1)



1. In a television system, a synchronizing impulse mixing circuit comprising a frame synchronizing impulse generator, a line synchronizing impulse generator, a thermionic tube having at least a cathode, a first control electrode, a second control electrode and an anode, impedance coupling means directly connecting said frame synchronizing generator to said first control electrode, impedance coupling means directly connecting said line synchronizing impulse generator to said second control electrode, a first resistance connected between said first control electrode and said cathode, a second resistance connected between said second control electrode and said cathode, a serially connected resistor and source

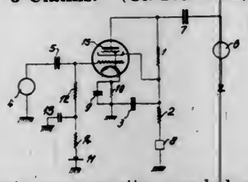
of potential connected between said anode and said cathode, and means to derive output energy from across said serially connected resistance.

2,248,550

LOW-FREQUENCY CORRECTION OF IMAGE AMPLIFIERS

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application November 9, 1937, Serial No. 173,695
In Germany November 14, 1936
3 Claims. (Cl. 179—171)



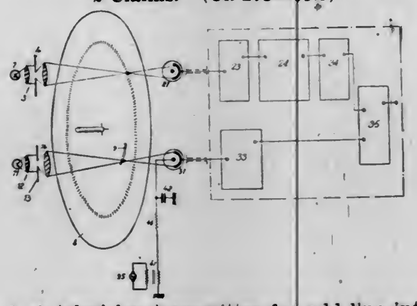
1. A resistance-capacity coupled amplifier arrangement for television purposes comprising an amplifier tube having at least a cathode, anode and control grid, an input and output circuit, a power supply circuit,, an anode-resistance and steadying means consisting of a steadying condenser and a steadying resistance in said output circuit, a compensating circuit connection for compensating the increase in amplification of the low frequencies effected by said steadying means, said compensating circuit connection being arranged within the cathode line of said tube carrying the anode current and consisting of a correcting resistance to which on the one side a correcting condenser with a serially connected resistance and on the other side a shunting condenser is connected in parallel, said correcting resistance having a resistance value amounting to R/V, said first correcting condenser having a value amounting to C times V, R being the steadying resistance, V being the normal amplification and C being the steadying condenser, said shunting condenser being so dimensioned as to short-circuit the middle and high frequencies.

2,248,551

SYNCHRONIZATION OF DISK SCANNING MEANS

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application November 23, 1937, Serial No. 176,020
In Germany November 26, 1936
2 Claims. (Cl. 178—69.5)



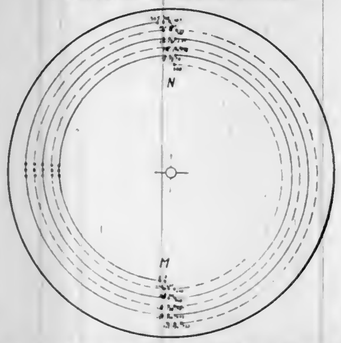
1. A television transmitter for odd-line interlaced scanning at two fields per frame, comprising a scanning disk, said disk being provided with a peripheral row of slots the number of which is equal to the number of lines per frame for producing the line synchronizing signals and a single slot for producing the field synchronizing signals, means for rotating said disk at 2N revolutions per frame where N is a whole number of the order of two or more, a separate light beam and photo-cell associated with the line synchronizing slots and the field synchronizing slot for producing a first series of voltage variations of 2N times the line frequency and a second series of voltage variations of N times the field frequency, respectively, means to reduce by 2N times the frequency of said first series of voltage variations, means to convert the reduced series into line synchronizing impulses, means to reduce by N times the frequency of said second series of voltage variations to produce field synchronizing impulses, and means to combine the line and the field synchronizing impulses into a common composite series.

2,248,552

INTERLACED LINE SCANNING OF FILMS RUNNING ASYNCHRONOUSLY WITH THE SCANNING MEANS

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application December 23, 1937, Serial No. 181,319
In Germany December 24, 1936
4 Claims. (Cl. 178—7.6)



1. In a television transmitter where the subject matter to be transmitted is derived from a moving picture film that is run at a uniform rate of 24 film frames per second and in which the television images are transmitted in interlaced fashion at 60 fields and 30 frames per second comprising means for scanning the film by a spot of radiant energy, means for vertically moving the scanning spot over the film in a direction opposite to the direction of movement of the film for a distance corresponding to 5/3 of the height of a film frame relative to the film, and means for substantially instantaneously returning the scanning spot in a vertical direction a distance equivalent to the height of one film frame relative to a fixed point, the ratio of vertical deflection cycles to the film frame speed being 3 to 2.

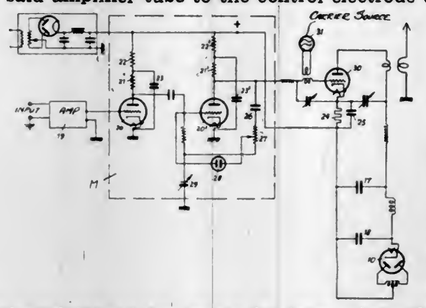
2,248,553

MODULATION SYSTEM

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application December 23, 1937, Serial No. 181,320
In Germany December 24, 1936
1 Claim. (Cl. 179—171.5)

A system for a television transmitter for compensating for variations in modulator power supply potential comprising a source of modulation potential, an amplifier tube having a cathode, a control electrode and an anode, means for applying the modulation potential between the cathode and control electrode of said amplifier tube, a source of energizing potential for said amplifier tube, means including a pair of series connected load resistances and said source of energizing potential for maintaining said anode positive with respect to said cathode, a condenser connected between the junction of said load resistances and a point of fixed potential, a modulator tube including a cathode, a control electrode and an anode, means for coupling the anode of said amplifier tube to the control electrode of



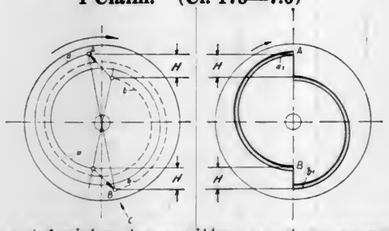
said modulator tube, means for impressing voltage variations of carrier frequency upon the control electrode of said modulator tube, an anode power supply for said modulator tube including a rectifier and a filter network, said filter including a series inductance and parallel capacitance, the terminal voltage of said modulator anode power supply being subject to variations with current demand of said modulator tube, the value of said first-named condenser and its time constant with respect to one of the said load resistances being so chosen as to substantially fully compensate for said variations in the modulator anode power supply voltage at said filter terminals by reason of variations in the current demand of said modulator tube.

2,248,554

PRODUCTION OF AN INTERLACED LINE SCREEN WITH MECHANICAL SCANNING MEANS

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application February 19, 1938, Serial No. 191,449
In Germany February 22, 1937
1 Claim. (Cl. 178—7.6)



In a television transmitter, a rotary scanning device for interlaced scanning of a stationary object, said disc having two substantially congruent spirals of apertures displaced one from the other by an angle of 180° and each spiral forming U+½ turns where U is a small integer number at least as great as unity, a rotary interceptor disc provided with two congruent spiral slots each extending for an angle of 180°, and means to rotate said interceptor disc once per transmitted image and said scanning disc at a rate of 2U+1 times faster so that said interceptor slots uncover alternately the apertures of one of said spirals after those of the other spiral.

2,248,555

METHOD OF INSURING THE SYNCHRONIZATION IN TELEVISION TRANSMITTERS

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application March 8, 1938, Serial No. 194,553
In Germany March 11, 1937
4 Claims. (Cl. 178—69.5)



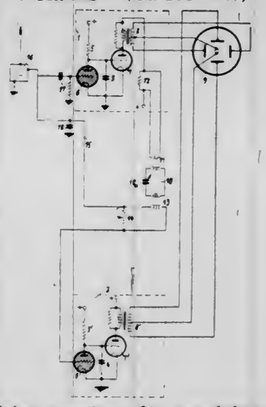
1. A method of transmitting television signals wherein picture and synchronizing signals follow each other in predetermined sequence and wherein the synchronizing signals are of a polarity in the direction of black in the picture and of an amplitude greater than a maxium black signal, which comprises scanning an image area in a line-for-line manner for developing image signals representing the contrast of a scanned picture area, developing synchronizing signals each of a time duration at least equal to that of one image point of the scanned area, said synchronizing signals following each scanning line, and adjusting the picture signal voltage to a constant and predetermined level less than that of the synchronizing signals for an interval immediately prior to the initiation of a synchronizing signal impulse.

2,248,556

INTERLACED LINE METHOD

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application June 7, 1938, Serial No. 212,318
In Germany June 21, 1937
7 Claims. (Cl. 178—7.7)



1. Television receiver for receiving transmissions synchronized by line synchronizing impulses and frame synchronizing impulses uninterrupted by the transmitter according to the interlaced line scanning, having a line deflecting oscillator controlled by said line synchronizing impulses, a frame deflecting oscillator, controlled by said

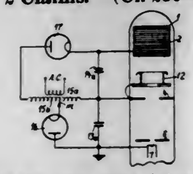
frame synchronizing impulses, and an auxiliary oscillator generating auxiliary oscillations being dependent on the line deflecting oscillator, the output of said line deflecting oscillator being coupled to the input of said auxiliary oscillator, the output of said auxiliary oscillator being coupled to the input of said frame deflecting oscillator in such a manner, and the auxiliary oscillator having such a frequency, that always one of the auxiliary oscillations is superposed on each frame synchronizing impulse and that only the heterodyning of the auxiliary oscillation on the frame synchronizing impulses is able to control the frame deflecting oscillator.

2,248,557

CATHODE-RAY TUBE SYSTEM

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application June 21, 1938, Serial No. 214,914
In Germany July 24, 1937
2 Claims. (Cl. 250—27)



1. In cathode ray apparatus, a cathode ray tube having included therein an electron emitting cathode, a first accelerating electrode, a target element, a second accelerating electrode closely adjacent the target, and electron beam deflecting means intermediate the accelerating electrodes, and auxiliary electrode means electrically connected with the first accelerating electrode and positioned intermediate the deflecting means and the second accelerating electrode, a source of energizing voltage for energizing said electrodes comprising a source of alternating current, a transformer having primary and secondary windings, said source of alternating current being connected across the primary winding, a connection from one terminal of the secondary winding to the first accelerating electrode, a first unidirectional conductor having one terminal connected to the other terminal of the secondary winding and the other terminal connected to the second accelerating electrode; a second unidirectional conductor having one terminal connected to a point on the transformer secondary winding intermediate the terminals thereof and its other terminal connected to the cathode of the cathode ray tube, a connection from said cathode to a point of fixed potential, a first condenser connected between the first and second accelerating electrodes and a second condenser connected between the first accelerating electrode and the cathode, said second condenser being of the order of at least twice the capacity of the first condenser, whereby a ratio of voltage between the auxiliary electrode and the second accelerating electrode of the order of two times that between the cathode and the first accelerating electrode is obtained.

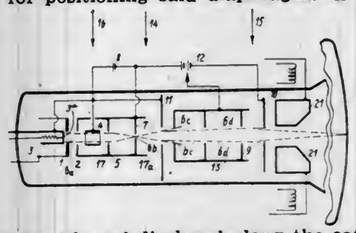
2,248,558

TELEVISION TUBE

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application July 23, 1938, Serial No. 220,875
In Germany October 22, 1937
5 Claims. (Cl. 250—27)

1. In a cathode ray tube including a target electrode and wherein a cathode ray is concentrated to a focal point at the target electrode comprising a substantially planar source of electrons, said source having an area at least as large as the cross sectional area of the cathode ray at the focal point, an apertured control diaphragm mounted immediately in front of said electron source, and a pre-concentrating system adapted to focus said cathode ray in a first cross-over point including three annular diaphragms, means for positioning said diaphragms in axial



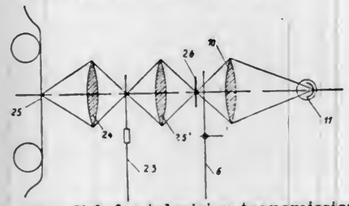
alignment with and displaced along the cathode ray beam from said control diaphragm, and a cylindrical electrode mounted between the two diaphragms most adjacent said control diaphragm, said three diaphragms being directly connected with one another and adapted to be maintained at a positive potential with respect to the potential of said source of electrons, the diaphragm most remote from said control diaphragm being positioned at the beam cross-over point and closely surrounding the beam at that point.

2,248,559

SCANNING DISK FOR TELEVISION TRANSMISSION

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Original application June 5, 1936, Serial No. 83,705, now Patent No. 2,227,006, dated December 31, 1940. Divided and this application July 26, 1938, Serial No. 221,318. In Germany June 11, 1935
7 Claims. (Cl. 178—7.6)



1. Scanning disk for television transmission for scanning a continuously moved film with interlaced lines rotating p times per image, p being the number of part images, and having a spiral of z points equally distributed over the spiral, z being the total number of lines of an image, p and z having no common factor, and a shutter for uncovering at once one of said turns.

2,248,560

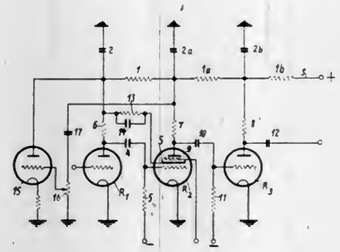
TELEVISION AMPLIFIER SYSTEM

Kurt Schlesinger, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Application October 7, 1938, Serial No. 233,816
In Germany December 23, 1937
7 Claims. (Cl. 179—171)

1. In a resistance-capacity coupled amplifier

arrangement, more particularly for television purposes, comprising several amplifier tubes, anode-resistances, coupling-condensers and grid-leak resistances between said tubes, a feed line circuit connected to the anode-circuits of said tubes via resistance-condenser filter-networks arranged in series connection, each one of which is associated to the anode circuit of one of said



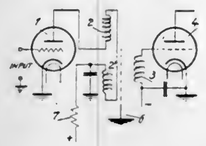
tubes, and has the same time constant as the resistance-condenser-coupling between said tubes, the use of one or more screening grid tubes including besides the screening grid an intercepting grid between screening grid and anode for regulating the amplification degree, said screening grid being connected to the anode circuit of the preceding amplifier tube.

2,248,561

INTERMEDIATE FREQUENCY AMPLIFIER FOR TELEVISION PURPOSES

Kurt Schlesinger, Paris, France, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

Original application January 21, 1935, Serial No. 2,631. Divided and this application August 8, 1939, Serial No. 288,974. In Germany January 25, 1934
3 Claims. (Cl. 179—171)



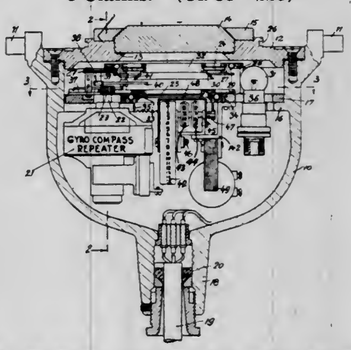
1. A wide band amplifier comprising a plurality of thermionic tubes each having input and output circuits, means for supplying signals to the input circuit of one of the tubes, a load circuit connected as a part of the output circuit of the other of the tubes, a transformer for coupling the output circuit of the first of the tubes to the input circuit of the second of the tubes, said transformer comprising a pair of coaxially positioned and longitudinally spaced primary windings and a secondary winding, means for energizing the input circuit of the said second tube from the said secondary winding, means for energizing one of the transformer primary windings at the end terminal adjacent the other primary winding by output signals from the first of said amplifying tubes, means for applying operating voltages to the first of said amplifying tubes at the end terminal of the other of said primary windings adjacent the first named primary winding, and an electrical connection between the separated terminals of said co-axially arranged primary windings.

2,248,562

REPEATER COMPASS FOR SUBMARINE BOATS

Bruno von Andreatta and Wilhelm Krauskopf, Kiel, Germany, assignors to Anschütz & Co. G. m. b. H., Kiel-Neumuhlen, Germany

Application April 12, 1938, Serial No. 201,618
In Germany April 13, 1937
5 Claims. (Cl. 33—226)



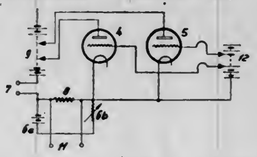
1. A repeater compass for submarine boats comprising a pressure-proof casing provided with a window, a pressure-proof glass plate inserted in said window, an annular rotary dial substantially coextensive with and mounted below said window within said casing and provided with a scale, means on the outside of said casing for mounting a direction finding instrument including magnifying observation means thereon above said window for reading said scale, and remote-controlled driving means in said case connected to drive said dial and mounted in said casing.

2,248,563

CIRCUIT ARRANGEMENT FOR CURRENT OR POTENTIAL DISTORTION

Hanns-Heinz Wolff, Berlin, Germany, assignor, by mesne assignments, to Loewe Radio, Inc., a corporation of New York

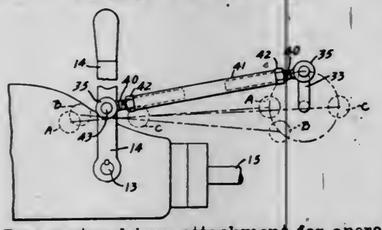
Application September 28, 1937, Serial No. 166,233
In Germany October 2, 1936
3 Claims. (Cl. 178—44)



2. A device to be used in a television circuit for obtaining a desired non-linear current-voltage characteristic comprising a common output resistance across which output potentials are developed, said common output resistance being common to three conducting paths, two of said paths each including an electron discharge device having a cathode, a control electrode and an anode, means for applying predetermined different biasing potentials to each of said control electrodes, means including a source of potential and said common output resistance for maintaining the anodes positive with respect to said cathodes, a third branch circuit including a series connected additional source of potential and a variable resistance, said series connected additional source of potential and variable resistance being connected in parallel with said common output resistance whereby the potential drop

across said common output resistance will be determined by the direction and intensity of the current flow in the three branches.

2,248,564
MARINE ELECTRIC GEAR SHIFT
Delmont E. Wood, Birmingham, Ala.
Application January 3, 1939, Serial No. 249,176
6 Claims. (Cl. 192—142)



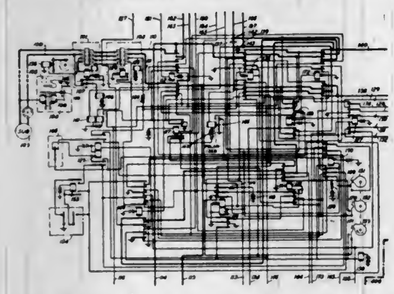
1. In a motor driven attachment for operating the gear shift lever of a marine transmission, a reversible electric motor, a crank driven by said motor, means connecting the crank to said shift lever, a manually operable electric switch, electric circuits controlled by said switch for forward, reverse and neutral positions of said transmissions, relays for said electric circuits controlled by said switch, power circuits for said motor controlled by the relays for selectively throwing the shift lever into any of the said positions, and make and break switches in circuit with said manually operable switch controlled by the position of the motor driven crank and adapted to stop the motor automatically when the shift lever reaches its selected forward, reverse or neutral position.

2,248,565
WINDSHIELD WIPER
John W. Anderson, Gary, Ind., assignor to Productive Inventions, Inc., Gary, Ind., a corporation of Indiana
Application October 15, 1938, Serial No. 235,170
7 Claims. (Cl. 15—250.3)



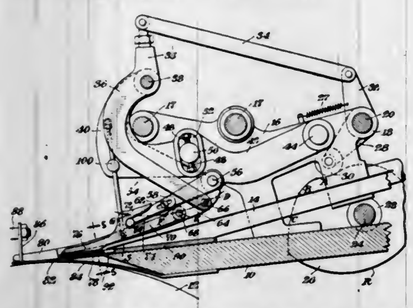
1. The combination of a generally channel form relatively rigid support having longitudinal flanges extending laterally outwardly, an upwardly open flexible water pervious bag of generally rectangular form adapted to be detachably secured to the support with longitudinal edge portions of the bag abutting the support flanges, and the base of said channel form being disposed within the bag to form a closure therefor.

2,248,566
TELEPHONE SYSTEM
Aloysius J. Busch, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 19, 1939, Serial No. 268,651
12 Claims. (Cl. 179—6.31)



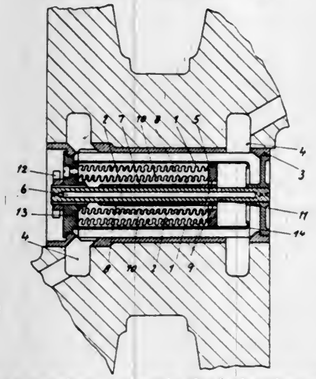
1. In a telephone system, a plurality of pay station lines, means at said pay station lines for collecting deposited coins, a group of trunks, means for extending conversational connections from said lines over trunks of said group, a plurality of controlling mechanisms common to said group of trunks, timing means for measuring periods of conversation, means rendered effective during each period of conversation for connecting a trunk involved in a conversational connection with an idle one of said mechanisms, means in each of said mechanisms for causing the collection of a deposited coin, means for testing to determine if the coin has been deposited, and means common to said mechanisms operable when all of said mechanisms are busy for cancelling the coin test in each of said mechanisms.

2,248,567
SHEET REGISTERING MECHANISM
Leonard H. Cross, Nassau County, N. Y.
Application August 14, 1940, Serial No. 352,511
12 Claims. (Cl. 271—46)



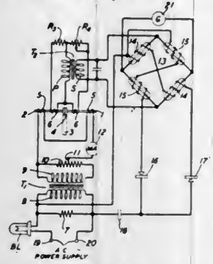
1. In sheet registering mechanism of the character described, the combination including means for positively advancing a sheet forward for a predetermined period, reciprocatory jaws disposed on opposite sides of the path of said advancing sheet, gripping surfaces on said jaws adapted to engage the forward portion of said sheet on opposite sides thereof, means on one of said jaws for urging said surfaces into frictional engagement with said sheet on respective sides thereof, means for advancing said jaws forwardly in open position with one jaw on either side of said advancing sheet and for engagement thereof while in motion without retarding the speed of the sheet at the instant of engagement, and means for retarding the motion of said jaws after said engagement of the sheet by said gripping surfaces.

2,248,568
ADDITIONAL LUBRICATING DEVICE FOR AIRCRAFT ENGINES
Martin Duckstein, Obermenzing, Munich, Germany, assignor to B M W Flugmotoren Gesellschaft m. b. H., Munich, Germany, a company of Germany
Application November 16, 1939, Serial No. 304,732
In Germany November 19, 1938
15 Claims. (Cl. 123—196)



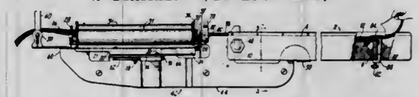
1. In an engine, a crank shaft having a hollow pivot, a casing mounted within said pivot, a hollow tube having an outwardly leading nozzle at one end thereof mounted within said casing, said tube being provided with a radial bore, a sleeve slidably mounted on said tube, means for supplying a lubricant to within such casing, and means responsive to the temperature of said lubricant for varying the position of said slidable sleeve along said tube to control the opening of said radial bore, whereby the flow of lubricant from said casing through said bore, tube and outwardly through said nozzle is dependent upon the temperature of said lubricant.

2,248,569
MAGNETIC MICROMETER
Walter B. Ellwood, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 23, 1940, Serial No. 336,802
6 Claims. (Cl. 33—147)



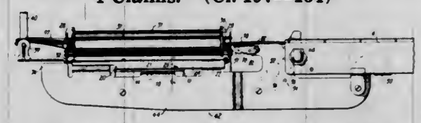
1. A magnetic bridge for measuring small distances comprising in combination two collinearly disposed rods of magnetic material with one end of each adjacent to the other, a strip of magnetic material interposed between said adjacent ends so that its long dimension is substantially normal and contiguous to the engaging ends of the rods, means for displacing one of the rods from the strip by a distance to be measured, said distance being substantially devoid of any magnetic material, means for impressing substantially equal and varying magnetomotive forces in each of the rods to produce varying fluxes therein, and electric means responsive to said fluxes and adapted to indicate the condition of balance of the magnetic bridge both before and after displacement.

2,248,570
TYPEWRITING MACHINE
Jacob N. Hoffman, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 30, 1937, Serial No. 182,430
2 Claims. (Cl. 197—134)



1. In combination with a typewriting machine of the flat platen type having a platen frame including a pair of spaced substantially parallel rails and cross bars connecting the rails; a supporting structure comprising spaced substantially parallel side plates and cross members connecting said side plates, means for attaching said structure to the rear end portion of the platen frame with the side plates substantially vertical and extending parallel with the rails so that said structure constitutes an extension of the platen frame, a unitary carbon roll truck removably mounted on said side plates for limited forward and rearward movement and held in place by gravity thereon and applicable to and removable from said side plates by manipulation of the truck, a manually adjustable stop device having an operative position to retain the truck in its rearmost position during a typing operation and an inoperative position in which the truck is released, said device being held in each of said positions when adjusted and released by the operator and means for limiting the forward movement of the truck, when released by said device, to a distance considerably less than the length of a form.

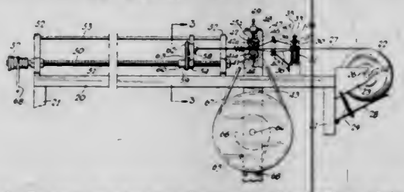
2,248,571
TYPEWRITING MACHINE
Elmer L. Wise, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 30, 1937, Serial No. 182,419
4 Claims. (Cl. 197—134)



1. In a typewriting machine having a platen frame comprising substantially parallel rectilinearly extending spaced side bars and cross bars connecting said side bars of which the rear cross bar is polygonal in cross section; a carbon carrier supporting bracket comprising spaced side platen one of which is provided with an abutment for engaging underneath one of the side bars of the platen frame, one or more hooks formed on said side plates for engaging over the rear cross bar of the platen frame and one or more abutments

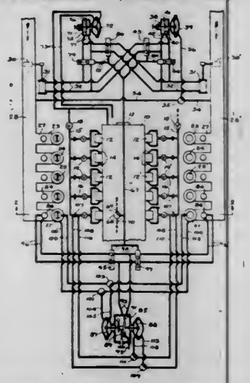
adjustably mounted on the carrier for engaging the rear cross bar on the side opposite that engaged by the end portions of the hooks.

2,248,572
APPARATUS FOR MAKING ORNAMENTAL ARTICLES
David J. Kelman, Brooklyn, N. Y.
Application August 18, 1939, Serial No. 290,734
21 Claims. (Cl. 41—1)



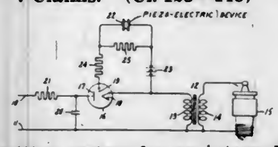
14. In an apparatus for manufacturing shirred ornaments of the type described from a flat strip of flexible material and wherein said strip is convoluted between a plurality of core strands, the combination of means for bringing a pair of core strands to a point of convergence, and strip feeding means for pressing said strip against said point of convergence, said point of convergence being spaced a short distance from said strip feeding means.

2,248,573
REGENERATIVE FURNACE
Strickland Kneass, Jr., Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application May 20, 1940, Serial No. 336,105
10 Claims. (Cl. 263—15)



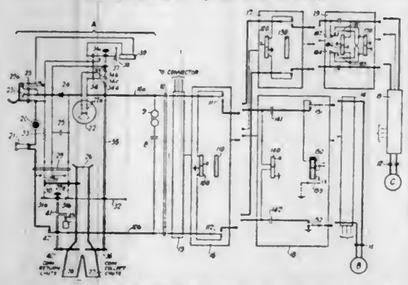
1. A regenerative furnace comprising a heating chamber having two series of ports on opposite sides thereof, a burner associated with each port, means to supply fuel to the burners on opposite sides of the heating chamber alternately and to distribute the fuel among the burners in such a manner as to establish zones of different temperatures between pairs of opposite ports, an ejector connected to each port, means to supply air to each ejector, adjustable means associated with each ejector whereby the air may be either directed inwardly through the corresponding port to serve as combustion air or caused to serve as ejection air by entraining and withdrawing the gaseous products of combustion through the corresponding port, a damper to control the air supply to each ejector, automatic regulators to control the dampers at the inlet side of the heating chamber in accordance with the rate of supply of the fuel to the corresponding burners, and means operable automatically to hold the dampers at the outlet side of the heating chamber fixed in the positions which they occupied at the time of the last reversal of the furnace.

2,248,574
ELECTRIC IGNITION SYSTEM
Henry de Boyne Knight, Rugby, England, assignor to General Electric Company, a corporation of New York
Application March 6, 1940, Serial No. 322,569
In Great Britain April 11, 1939
7 Claims. (Cl. 123—148)



1. An ignition system for an internal combustion engine including a spark plug, a source of potential, means including an electric valve for connecting said source to said spark plug, a piezo-electric device connected to said electric valve, and means operable in synchronism with said internal combustion engine for exerting a pressure on said piezo-electric device so that said electric valve will be made conductive at the time an ignition spark is needed at said spark plug.

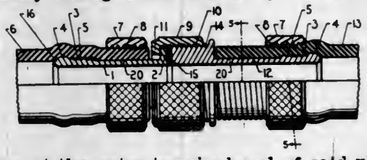
2,248,575
TELEPHONE SYSTEM
Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 1, 1939, Serial No. 265,460
21 Claims. (Cl. 179—6.3)



13. In a telephone system, a substation, a plurality of lines including one line extending to said substation, a plurality of automatic switches controllable over said lines to establish connections between said lines, a unidirectional conductive device adapted to be included in a calling circuit established by way of said one line, and means including said unidirectional conductive device for preventing calls originating at said substation from being routed through certain of said switches.

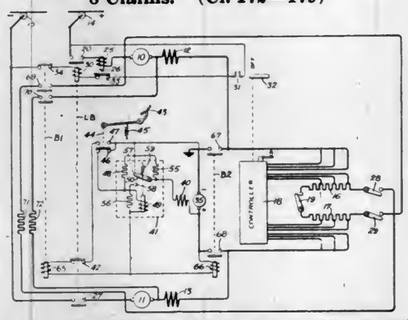
2,248,576
HOSE COUPLING
Levi L. McConnohie, Galesburg, Mich.
Application September 13, 1939, Serial No. 294,578
1 Claim. (Cl. 285—84)

In a separable hose coupling, a nipple element, an outturned end flange thereon forming a shoulder adapted to abut the end of a hose, said nipple having a smooth cylindrical portion of substantial length extending from said flange, an annularly ridged cylindrical surface on the nipple outwardly of said smooth cylindrical portion, an annularly enlarged rim outwardly of said ridged



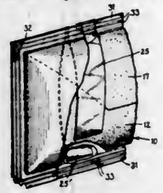
portion at the outer terminal end of said nipple, and a ring-sleeve of sufficient size to receive the end of the hose when in abutting relation to said flange and adapted to be moved toward the outer end of said nipple element whereby the hose is clamped between the ridged cylindrical portion and rim of said nipple element and said ring-sleeve.

2,248,577
ELECTRIC BRAKING SYSTEM
Jacob W. McNairy, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 31, 1941, Serial No. 376,809
8 Claims. (Cl. 172—179)



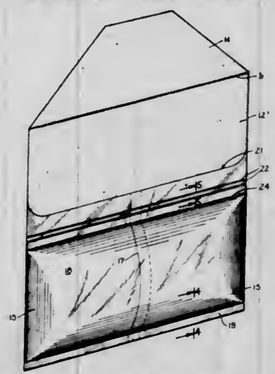
1. In a dynamic braking system, a momentum driven dynamo-electric machine having an armature and a series field winding, a braking resistor connected in circuit with said armature, a momentum driven generator connected with said field winding and said resistor, and means for reducing the excitation of said generator upon the removal of load therefrom.

2,248,578
CONTAINER
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application March 18, 1937, Serial No. 131,617
1 Claim. (Cl. 229—55)



A container comprising a pouch having a closure flap, a covering forming a compartment for said pouch, opposite walls of said covering having the inner surfaces adjacent an edge thereof adhesively secured together to form a seam, and a strip having one end thereof adhesively secured to said pouch for holding said flap in closed position, the other end of said strip extending through said seam and being adhesively secured to an outer wall of said covering.

2,248,579
CONTAINER
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application April 10, 1937, Serial No. 136,039
3 Claims. (Cl. 229—87.5)

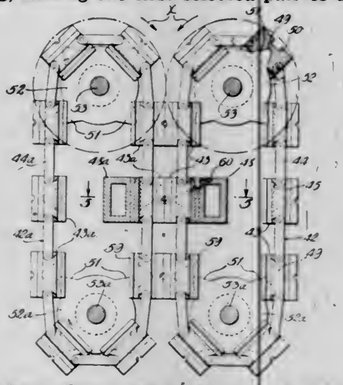


2. A pouch for tobacco or other substances constituted by a blank comprising a layer of fibrous material and one or more layers of metallic foil adhesively secured thereto, one side of said blank having a coating of thermoplastic material thereon, said material having adhesive properties, said blank being folded to form a pocket for receiving said tobacco or other substances and a closure flap extending beyond the mouth of said pocket and adapted to be folded around the latter, one wall of said pocket being formed by infolded flaps having the edges thereof heat-sealed to each other and the bottom of said pocket being formed by a triple-ply seam having the plies thereof joined by said thermo-plastic coating.

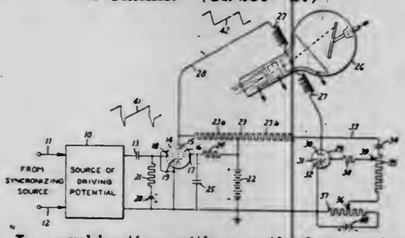
2,248,580
METHOD OF DIE CASTING DIFFERENT ARTICLES
Louis H. Morin and Davis Marinsky, Bronx, N. Y., assignors to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York
Application March 3, 1938, Serial No. 193,722
2 Claims. (Cl. 18—55)

1. The method of selecting and operating different dies in forming a plurality of die castings of different contour, which comprises arranging pairs of die elements in two units with one die element of each pair in each unit and each unit comprising a plurality of interconnected die elements, simultaneously operating both units to move one die element of each unit to a casting station in providing a selected die, holding each pair of die elements stationary and in firm engagement with each other when at said casting station while pressure discharging heated casting material into the cavity of the die in forming one or a series of castings of the object defined by the cavity of said selected pair of die elements, opening and closing the die elements at said station

after the formation of each casting to remove the casting, moving the first selected pair of die elements from the casting station and simultaneously moving a second selected pair of die elements to the casting station.

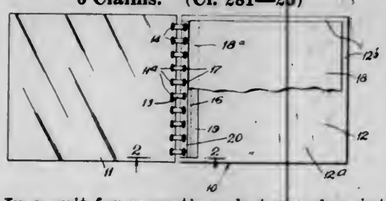


2,248,581
DEFLECTING CIRCUITS
Donald E. Norgaard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 10, 1940, Serial No. 344,717
10 Claims. (Cl. 250—27)



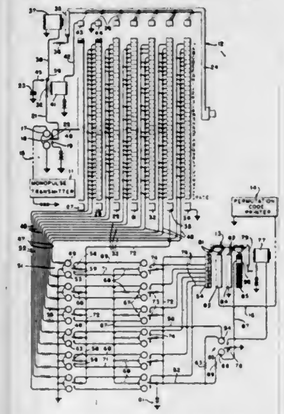
1. In combination with a cathode ray device having a magnetic deflecting coil, a source of deflecting currents, an electron discharge device, means to connect said coil, said source and said discharge device in series, a unidirectional potential source, means to connect said unidirectional source across said coil and said device, means to give to said discharge device a substantially constant, low, alternating current impedance to deflecting currents and a predetermined resistance to direct current, and means to vary said resistance.

2,248,582
MOUNTING MEANS FOR SHEETS AND THE LIKE
Edwin M. Phillips, East Orange, N. J.
Application June 3, 1940, Serial No. 338,479
6 Claims. (Cl. 281—25)



1. In a unit for mounting photograph prints or other sheets, a binder comprising at least one transparent cover and at least one binding stub, said stub having non-drying adhesive on one surface thereof for the reception of prints or sheets whereby an uppermost print or sheet secured to said stub will show through the transparent cover, a contrasting colored portion arranged longitudinally of the adhesive surface of the stub for alining and bordering the print or sheet on the stub, and a back cover larger in dimensions than the prints or sheets for mounting on the stub to form in conjunction with said colored portion of the stub, cover and stub edges protruding beyond peripheral edges of the print or sheet to resemble a frame around the prints or sheets arranged in said unit.

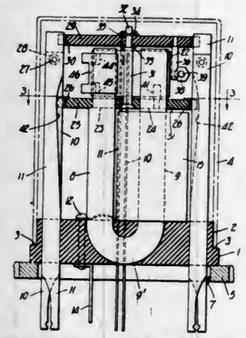
2,248,583
CODE TRANSLATING MECHANISM
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 27, 1938, Serial No. 247,745
18 Claims. (Cl. 178—70)



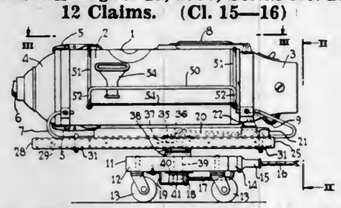
1. A signal retransmitting system comprising a start-stop receiving distributor having a plurality of segmented rings, a plurality of primary storage means each associated with an individual one of said distributor rings, a plurality of secondary storage means each associated with one of said primary storage means, circuit connections between segments of said several rings predeterminedly associated with said primary storage means, a retransmitting distributor under the supervision of said secondary storage means, and a single charge current source communicable through segments of said receiving distributor for positioning said primary storage means in accordance with said predetermined circuit arrangement.

2,248,584
MULTICONTACT RELAY
John N. Reynolds, Princeton, N. J.
Application June 23, 1939, Serial No. 280,777
20 Claims. (Cl. 200—104)

1. An electrical relay comprising, in combination, an electromagnet, an armature adapted to be actuated by said electromagnet, a plurality of fixed contacts, a base for supporting the fixed contacts, a plate carried by said electromagnet and disposed above said base, the plate having portions thereof serving as backstops for all said fixed contacts, a plurality of movable contacts disposed adjacent said fixed contacts, a rotatable actuating plate, means connected to said armature arranged to rotate said actuating plate, and means connecting the actuating plate to the movable contacts.

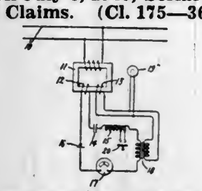


2,248,585
VACUUM CLEANER APPARATUS
Oscar A. Ross and Forrest W. Shackleford, New York, N. Y.
Application August 19, 1937, Serial No. 159,950
12 Claims. (Cl. 15—16)



1. In vacuum cleaner apparatus, a vacuum cleaner, a carrier including means for fixedly securing said cleaner thereto, a dolly including castors for movement on a floor or horizontal surface, and means pivotally connecting said carrier and dolly for providing rotation of said carrier on said dolly about a substantially vertical axis whereby said vacuum cleaner may be rotated to desired positions without bodily movement of said dolly.

2,248,586
FREQUENCY METER
Ralph M. Rowell, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application July 6, 1940, Serial No. 344,282
6 Claims. (Cl. 175—368)



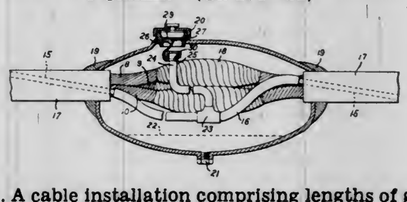
1. Frequency variation measuring apparatus comprising a rectifier instrument, a saturated core transformer having two secondary windings, connections for energizing said instrument from said secondary windings such that the instrument will respond to the difference in the energies supplied by said windings, and circuit tuning means included in the circuit of one of said secondary windings to cause the instrument response to vary with frequency over the frequency variation measurement range.

2,248,587
EXPLOSIVE
Frederick R. Seavey, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a corporation of Delaware
Application January 21, 1939, Serial No. 252,099
13 Claims. (Cl. 102—5)



1. An explosive actuated device for interrupting a secondary electrical circuit comprising, in combination, a case, an explosive charge within the case, electrical means for initiating the explosive charge, and a secondary conductor associated with the case and having a part, structurally weaker than the remainder, disposed to receive the force of the explosion of said charge and be broken thereby.

2,248,588
GAS FILLED CABLE INSTALLATION
George B. Shanklin and Vincent A. Sheals, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application June 6, 1940, Serial No. 339,134
5 Claims. (Cl. 174—21)

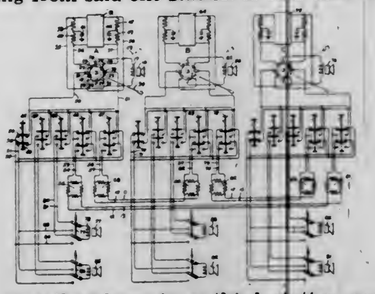


1. A cable installation comprising lengths of gas filled cable, compound therein normally retained in the insulation by capillary action, joints and casing therefor connecting the lengths, channels in each cable length opening into the casings of a pair of joints for conveying compound and gas, a solid wall gas conveying tube within each length for by-passing compound collected in a low portion of the channel, a flexible tubular connector located wholly within each of the casings for connecting the ends of adjacent tubes in series relation, a flexible stand pipe within each of the casings opening into the tubular connector at one end, the other end being normally open and rising above the normal level of any compound contained in the casing, a removable part for the casing, and means connected to the free end of each standpipe for raising it through the casing wall when said part is removed.

2,248,589
INTEROFFICE TELEPHONE
Hubert R. Shaw, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application May 23, 1940, Serial No. 336,757
4 Claims. (Cl. 179—38)

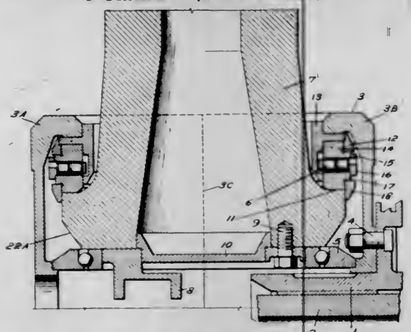
1. In a communicating apparatus, at least three intercommunicating stations, an independent communicating circuit extending from each of said stations to each of the other of said stations, means to connect each of said stations to all of said communication circuits extending thereto, means to disconnect one of said stations from all of said circuits except one circuit extending to a desired station, and means in each of said communicating circuits to attenuate signals trans-

mitted therethrough sufficiently so that signals passing from said one station to said desired sta-



tion and therefrom to a third station are too greatly attenuated to affect undesirably said third station.

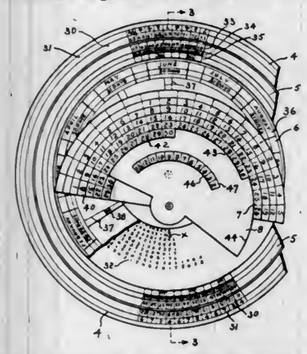
2,248,590
AERONAUTICAL PROPELLER BLADE MOUNTING
John W. Smith, Philadelphia, Pa.
Application November 15, 1937, Serial No. 174,599
5 Claims. (Cl. 170—162)



1. A propeller blade mounting, comprising a split hub provided with an annular seat, a tubular shank having an annular seat, a split thrust bearing between said seats, an oil ring having a flange between the hub seat and the thrust bearing, means to secure the hub sections in assembled conditions, and a locking ring locking the oil seal ring and thrust bearing together.

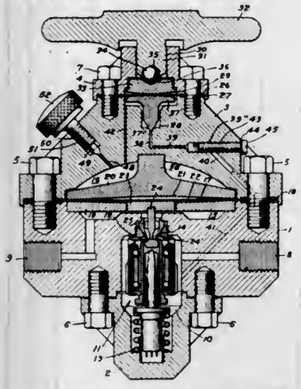
2,248,591
CALENDAR
Jung Jin Sow, Vancouver, British Columbia, Canada
Application April 22, 1939, Serial No. 269,363
1 Claim. (Cl. 40—113)

A calendar comprising a front panel having aligned viewing openings, a plurality of superimposed charts rotatably mounted behind said panel, three of said charts being rotatable about one axis and two of said charts being rotatable about a second axis, said second axis being between the first named axis and the periphery of the first mentioned three charts two of the first mentioned three charts having characters indicative of time periods and indexes relative to said characters, one of said first mentioned charts having openings capable of selective registration with a viewing opening of the panel adapted when so registered to display an index of another of the first mentioned three charts, the second mentioned two charts consisting of a chart having rows of consecutive numbers representing the days of the month and an index relative thereto representing a week index and a chart having peripheral steps adapted to selectively obscure a portion of some of the rows of



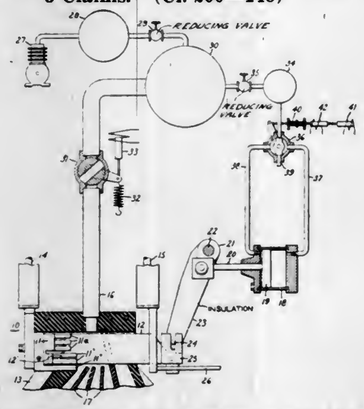
consecutive numbers, said last mentioned chart having an arcuate slot in register with one of the viewing openings of the front panel for selectively exposing a week index number in said panel viewing opening.

2,248,592
PRESSURE REGULATOR
Ludwig W. Stettner, Piedmont, Calif., assignor to Victor Equipment Co., San Francisco, Calif., a corporation of Delaware
Application April 28, 1939, Serial No. 270,561
6 Claims. (Cl. 50—21)



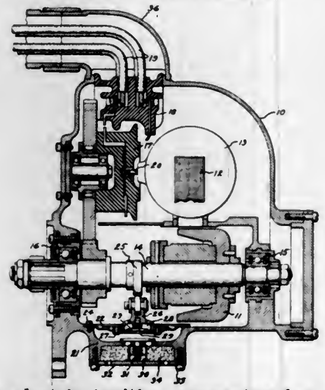
1. In an automatic gas pressure regulator having a flexible diaphragm exposed to a controlling gas pressure on one side for controlling the movements of a valve for regulating gas pressure admission to the opposite side, the improvement which comprises providing a rigid plate on opposite sides of said diaphragm spaced to limit its movement in flexing, means mounting said plates against movement, one of the plates being imperforate and the other only having an opening through it with a loose member therein contacting the diaphragm, and means extended from said loose member for operating the valve, means for admitting a controlling gas under pressure behind said imperforate plate, and means forming a substantially closed marginal joint around the edge of said imperforate plate, but insufficiently perfect to stop the controlling gas under pressure from passing the joint to reach said diaphragm and vice versa.

2,248,593
ELECTRIC CIRCUIT BREAKER
Carl Thumim, Yeadon, Pa., assignor to General Electric Company, a corporation of New York
Application July 17, 1940, Serial No. 345,973
3 Claims. (Cl. 200—148)



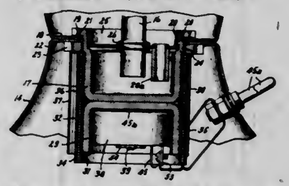
1. In an electric circuit breaker, a pair of relatively movable contacts separable to draw an arc therebetween, a fluid motor for producing relative movement between said contacts, a high pressure source of fluid, means for introducing a blast of said high pressure fluid adjacent said contacts for arc-extinguishing purposes, a low pressure source of fluid supplied from said high pressure source, said low pressure source being maintained at a sufficiently low pressure so as to be unaffected by pressure changes in said high pressure source upon operation of said first-mentioned means, and means for operating said fluid motor from said low pressure source to produce relative movement between said contacts.

2,248,594
ELECTRIC IGNITION DEVICE
Alexander C. Wall, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 29, 1940, Serial No. 321,472
6 Claims. (Cl. 171—209)



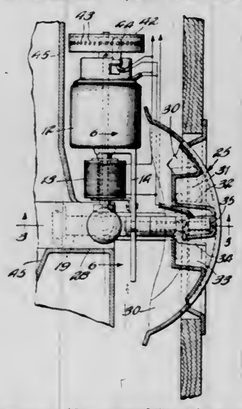
1. An electric ignition apparatus for an airplane which is adapted to fly in rarified atmospheres including a substantially air tight enclosing casing for said ignition apparatus, means for connecting said enclosing casing with atmosphere outside said enclosing casing, and pressure increasing means within said enclosing casing, said pressure increasing means having its intake side in connection with said communicating means so that upon actuation of said pressure increasing means said apparatus within said casing will be supercharged to a pressure substantially higher than the pressure of atmosphere outside said casing.

2,248,595
COFFEE MAKER
Walter R. Weeks, Hamden, Conn., assignor to General Electric Company, a corporation of New York
Application December 31, 1938, Serial No. 248,750
7 Claims. (Cl. 219—43)



1. In a coffee maker and the like having a liquid receiving vessel provided with a bottom wall, a pair of reversely positioned cup-shaped members having substantially equal outside dimensions located below said bottom wall, said members having their bases secured to each other, one of said members opening upwardly through said bottom wall into said vessel and constituting a water heating chamber, a heating element surrounding the side walls of said cup-shaped members, and a thermally responsive protective element mounted in the other of said cup-shaped members connected in the energizing circuit of said heating element arranged to break said circuit when the temperature of the cup shaped members attains a predetermined high value.

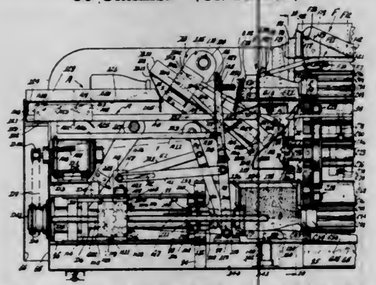
2,248,596
GAME APPARATUS
Irven H. Wilsey, Chicago, Ill.
Application July 13, 1939, Serial No. 284,161
15 Claims. (Cl. 273—119)



2. In a game, the combination of a playing board, a missile adapted to move on said board, and means for rotating said missile adjacent said board at a relatively high rate of speed on an axis non-perpendicular to the board to store energy therein, means for releasably supporting the missile during the rotation thereof and there-

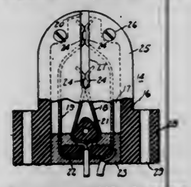
after depositing the same on the board, whereby the stored kinetic energy may be utilized to propel said missile.

2,248,597
AUTOMATIC CONTAINER WASHING MACHINERY
Robert J. Wynne, Bellwood, Ill., assignor to Irving D. Porter
Application April 20, 1936, Serial No. 75,361
36 Claims. (Cl. 15—61)



1. In an automatic washing machine for containers having a tank and a washing solution therein and a conveyor having a plurality of horizontal carriers to receive and constantly hold the containers in horizontal positions at all times to convey containers into and out of said solution, means in said conveyor adapted to support said containers for the washing operation, said means including a plurality of laterally extensible horizontal brushes.

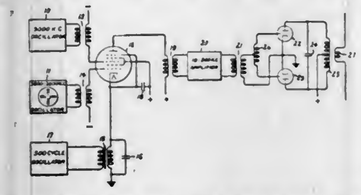
2,248,598
TUBULAR LAMP BASE AND SOCKET
Joe Yoder, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Original application November 9, 1938, Serial No. 239,625. Divided and this application September 11, 1940, Serial No. 356,293
4 Claims. (Cl. 173—328)



2. A socket for use with lamps having spaced contact prongs adapted to be mounted by straight line movement transverse to the axis of the lamp comprising, in combination, a base of insulating material, said base being provided in a face thereof with a straight line elongated slot extending to an edge of said face, and a pair of spring contact members on said base and having portions disposed adjacent said slot at longitudinally spaced points corresponding to the spacing of the lamp prongs at different distances from said edge for receiving the lamp prongs as the latter are moved longitudinally through said slot.

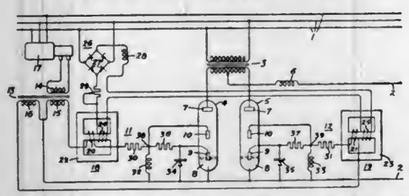
2,248,599
RADIO DISTANCE METER
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 7, 1939, Serial No. 293,741
16 Claims. (Cl. 250—1)

1. The method of measuring distance to a reflecting surface which comprises transmitting a wave toward the surface, varying the frequency of the transmitted wave at an adjustable speed,



and adjusting the speed of variation of said frequency to produce a predetermined frequency relation between said transmitted wave and the wave reflected from said surface.

2,248,600
ELECTRIC VALVE CIRCUITS
Ernst F. W. Alexanderson and Albert H. Mittag, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application May 3, 1940, Serial No. 333,187
38 Claims. (Cl. 175—363)

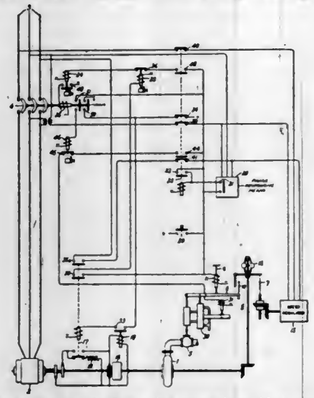


4. In combination, an electric valve means having an anode, a holding anode, a cathode of the self-reconstructing type, an immersion ignitor control member associated with said cathode and employing an ionizable medium, a source of alternating current, an excitation circuit for impressing on said control member an alternating control voltage having positive portions of substantially greater magnitude and shorter duration than the negative portions and comprising means energized from said source and including in series relation a unidirectionally saturable inductive device, a resistance and an inductance, means including a resistance for connecting said control member to be energized in accordance with the voltage appearing across said inductance, and means for connecting said holding anode to said excitation circuit.

2,248,601
CONTROL EQUIPMENT FOR PRIME MOVER ELECTRIC GENERATING PLANTS
William A. Bagley, Boston, Mass., assignor to General Electric Company, a corporation of New York
Application October 8, 1940, Serial No. 360,251
11 Claims. (Cl. 290—4)

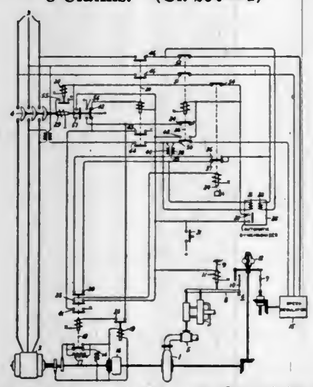
1. An arrangement for synchronizing an alternating current generator with an alternating current system comprising means for furnishing to the field winding of said generator an excitation of a desired value about its synchronizing value, means dependent upon the relative frequencies of the voltages of said system and generator for regulating the speed of said generator to reduce the frequency difference, and means responsive to a predetermined phase relation between said voltage when the frequency difference is below a predetermined value for decreasing the

excitation of said generator below its synchronizing value and then connecting said generator



to said system and then increasing the excitation of said generator to a synchronizing value.

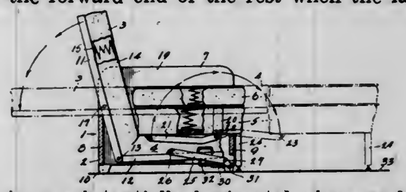
2,248,602
CONTROL EQUIPMENT FOR PRIME MOVER ELECTRIC GENERATING PLANTS
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application November 15, 1940, Serial No. 365,777
8 Claims. (Cl. 290—4)



1. An arrangement for synchronizing an alternating current generator with an alternating current system comprising means for supplying excitation to said generator, means dependent upon the relative frequencies of the voltages of said generator and system for regulating the speed of said generator to reduce the frequency difference, means responsive to a frequency difference below a predetermined value for reducing the excitation of said generator and means responsive to a predetermined phase relation between said system voltage and the reduced voltage of said generator produced by said reduced excitation for connecting said generator to said system and then increasing the excitation of said generator.

2,248,603
COMBINED CHAIR AND BED
Joseph D. Bell, San Francisco, Calif.
Application February 4, 1937, Serial No. 124,050
14 Claims. (Cl. 155—49)

13. In a device of the character described, a pair of spaced frame members, a rest having an intermediate portion suspended between the frame members with freedom of teetering and of forward and rearward travelling motion in a substantially horizontal plane, and a support and guide means for arresting the upward tilt of the forward end of the rest when the latter



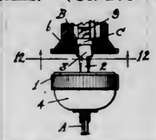
is in a substantially horizontal plane and for holding said end against downward collapse, the suspending means for the rest comprising pins mounted in recesses with walls so curved that when the pins are pressed up on the curved walls the rest is drawn rearward and its forward end is released from the support and guide means.

2,248,604
INDICATING DEVICE FOR LECHER SYSTEMS
Hans Boersch, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application April 26, 1940, Serial No. 331,891
In Germany February 6, 1939
3 Claims. (Cl. 177—311)



1. An indicating device for a lecher system comprising an electrically conducting rod adapted to bridge over the lecher system coated with a material having the property of varying in color in accordance with variations in temperature, and having cooling fins attached at the ends thereof to produce points of color change, the positions of which on the rod are dependent upon the current therein.

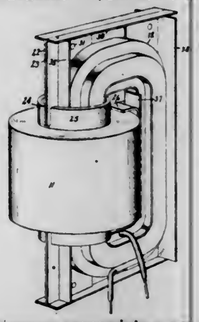
2,248,605
ELECTRIC PLUG CONNECTION
John A. Buckley, Wichita, Kans.
Application October 5, 1939, Serial No. 298,031
2 Claims. (Cl. 173—343)



1. In an electric plug connection, a plug and base of the class described, a resilient element carried by the plug in such a way that the end of the base will seat thereon as outward tensioning means of the base from the plug, a pair of plates seated on the plug, each plate having a prong secured thereto and extending therefrom at right angle, each prong having sides and edges and a hook outwardly extending from one edge of each prong oppositely, the direction of the extension of the hooks being clockwise with respect to rotation, a headed pin to secure each plate to the plug rockably, there being an aperture in the plug of a greater diameter than that of the pin and in which the pin will engage, a rubber washer rockably positioned on the pin in contact with its head, the washer to seat about the inner end of the aperture whereby the prongs may be rocked for engagement of their hooks,

the washer to normally erect the prongs at the time of their engagement whereby the base and plug are locked together, the base having slots spaced apart and extending inwardly and being in parallelism with the axis of the base, said slots having sides and edges, a metallic block for each slot seated in the base adjacent its respective edge, and upon which the said prong hooks will engage respectively when said plug and base are compressed on the resilient element as tensioning means for the hook engagement, the edge portions at the outer end of the slots to contact with the prong to disengage the hooks by a clockwise rotary movement of the plug whereby said plug and base are free to separate.

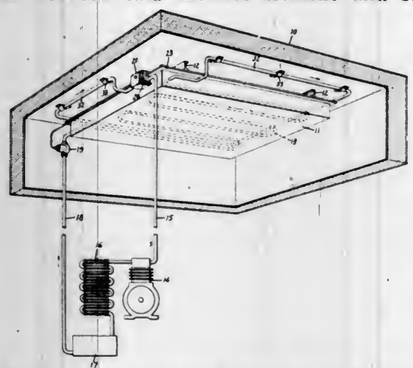
2,248,606
ELECTROMAGNETIC INDUCTION APPARATUS
Guglielmo Camilli, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 24, 1939, Serial No. 305,834
8 Claims. (Cl. 175—356)



1. A transformer comprising an enclosing tank, an annular wound strip magnetic core, a pair of similar conductive windings placed side by side linking said core and having stepped sides to form a winding structure having a cruciform cross section, an insulating barrier between the windings, an insulating cylinder between the core and the winding structure, an insulating barrier between the core and the tank, an electrostatic shield at the surface of the core insulated therefrom and electrically connected to one of said windings whereby said latter winding may be operated at a voltage approximately twice the voltage for which either of said windings is insulated from the core.

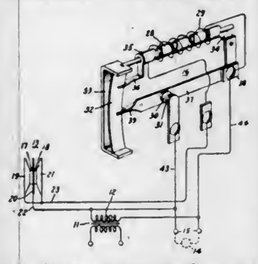
2,248,607
REFRIGERATING SYSTEM
La Mar S. Cooper, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application November 30, 1939, Serial No. 306,911
5 Claims. (Cl. 62—3)

1. A refrigerating system including a chilling unit for absorbing heat and a refrigerant evaporator for cooling said unit, a liquid line for admitting liquid refrigerant to said evaporator, a suction line for conducting vaporized refrigerant from said evaporator, a valve in said liquid line for controlling the admission of refrigerant to said evaporator, means including a thermal element adjacent said suction line and in thermal conducting relation therewith for actuating said valve, said thermal element being responsive primarily to the temperature of the refrigerant withdrawn through said suction line during the active periods of operation of said evaporator, and means providing a direct heat conducting path between said thermal element and said



chilling unit for rendering said element responsive primarily to the temperature of said chilling unit during the inactive periods of operation of said evaporator.

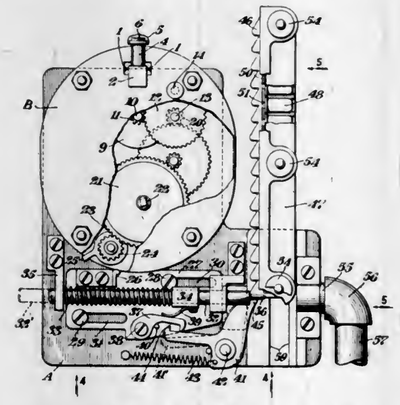
2,248,608
PROTECTIVE DEVICE
Guglielmo Camilli, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 3, 1940, Serial No. 312,195
5 Claims. (Cl. 175—294)



1. An over-voltage protector for current transformers comprising a protective resistor having a hyperbolic resistance-current characteristic, heat radiating fins of high thermal conductivity in intimate surface contact with the resistor and extending therebeyond, and a thermal relay with an inverse current-time characteristic, having a pair of normally open contacts adapted to be connected across the secondary winding of a current transformer to be protected and having an operating winding normally connected in series with the resistor to the said contacts, whereby a transformer winding connected to said contacts normally has a series circuit connection through said resistor and said operating winding and closure of the contacts short circuits such a transformer winding and shunts out the said resistor and relay operating winding.

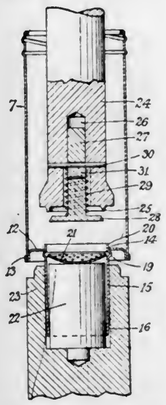
2,248,609
PROTECTIVE DEVICE
Americo Ciani, Mexico City, Mexico, assignor to Charles B. Williams, New York, N. Y.
Application January 24, 1940, Serial No. 315,359
In Mexico May 10, 1939
6 Claims. (Cl. 74—2)

1. Release mechanism for an alarm system including, in combination, a lever supported upon a normally substantially horizontal fulcrum and adapted, upon rotation about said fulcrum in one direction, to cause said system to give an alarm, and a weight-member pivotally mounted upon said lever, the axis of said pivotal mounting being non-parallel to the axis of said fulcrum and the center of gravity of said weight-member being displaced laterally from the axis of its said



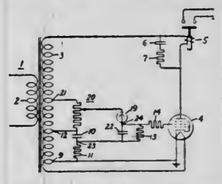
pivotal mounting, the arrangement being such that when the center of gravity of the weight-member is in one position in its arc of rotation about the axis of its pivotal mounting, the lever will not move on its fulcrum to give an alarm, and rotation of said weight-member upon its pivotal mounting from said position mentioned will tend to cause said lever to move on its fulcrum to give an alarm.

2,248,610
METHOD OF MANUFACTURING DEODORIZING ATTACHMENTS FOR VACUUM CLEANERS
William J. Clements, Chicago, Ill., assignor to Clements Mfg. Co., Chicago, Ill., a corporation of Illinois
Application November 17, 1939, Serial No. 304,947
2 Claims. (Cl. 113—120)



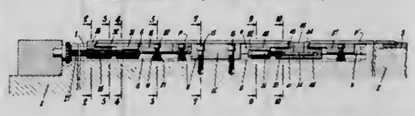
1. The method of assembling a sheet metal element which includes providing a body portion having an apertured wall and a neck portion including a flange adapted initially to penetrate the aperture of said wall, and an outwardly offset channel adapted to engage the wall and to receive a filter member, positioning said neck portion and said body portion with said flange penetrating said aperture, and said channel engaging said wall, positioning a concavo-convex filter member within said neck portion, with its edge in alignment with said channel, the diameter of said filter member being initially less than the diameter of the neck portion, and substantially simultaneously flattening said filter member and thereby extending its edge into said channel, and upsetting said flange and compressing said channel, and thereby at the same time locking said filter member in relation to said neck portion, and locking said neck portion and filter member in relation to said body portion.

2,248,611
CONTROL APPARATUS FOR VAPOR ELECTRIC DISCHARGE DEVICES
William D. Cockrell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 28, 1940, Serial No. 354,533
4 Claims. (Cl. 250—41.5)



2. In combination, a transformer having a secondary winding, a grid controlled vapor electric discharge device having its anode-cathode circuit connected to be energized by a part of said winding, a capacitor and a resistor connected in series across a part of said winding common to said first mentioned part, a rectifying photoelectric device and a second capacitor connected in series across a part of said winding common to said first mentioned part, and means for applying to said grid the voltage across said resistor combined with the voltage across said second capacitor.

2,248,612
MEANS FOR POSITIONING AND HOLDING PRINTING PLATES
Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application October 20, 1938, Serial No. 236,017
11 Claims. (Cl. 101—378)



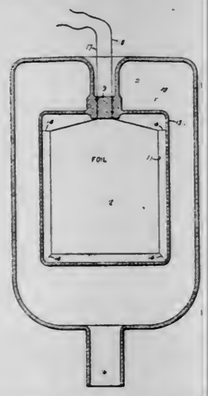
1. In combination in a printing press, a plate cylinder, a clip-way in the cylinder, a plate-clip slidably mounted in the clip-way and having a clamping jaw to engage a beveled edge of a printing plate, a plate support slidably mounted in the clip-way beneath the printing plate and supporting the plate substantially to said beveled edge where it is engaged by the clamping jaw, said jaw and plate support having slight relative radial movement due to their loose fits in the clip-way.

2,248,613
DEVICE AND METHOD OF MAKING ORNAMENTAL DESIGNS
Samuel T. Daley, Akron, Ohio
Application February 13, 1940, Serial No. 318,728
1 Claim. (Cl. 164—125)



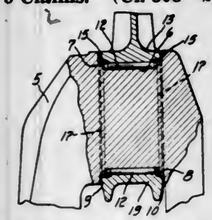
A device of the character described comprising a sheet of material having uniformly and closely spaced perforations, the material between the perforations being adapted to be cut with a sharp-edged tool to form a design in the sheet, said sheet having an imperforate margin around the edges of said perforated portion, said margin being substantially wider than the material between adjacent perforations to sustain the perforate portion during or after the design-cutting operations.

2,248,614
VACUUM MEASURING DEVICE
Wolfgang Ferrant, Berlin-Reinickendorf, Germany, assignor to General Electric Company, a corporation of New York
Application February 26, 1938, Serial No. 192,858
In Germany April 12, 1937
7 Claims. (Cl. 201—63)



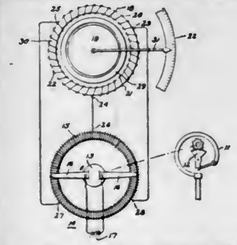
1. In a vacuum measuring instrument of the type in which variations in absolute pressure of the surrounding medium vary the heat dissipation by convection from a heated surface, and thereby vary its temperature, a resistance wire sensitive to variations in pressure of the surrounding gaseous medium, said wire being adapted to be connected to a source of heating current, having a resistance varying with its temperature and having the form of a loop, the sides of which are bridged over by a film of electrically nonconducting material secured to the wire and making thermal contact therewith, whereby the effective heat dissipating surface of the wire is increased.

2,248,615
BEARING MEANS
Harold Frauenthal, South Bend, Ind., assignor to Bantam Bearings Corporation, South Bend, Ind., a corporation of Indiana
Application March 19, 1938, Serial No. 196,818
5 Claims. (Cl. 308—207)



1. A gearing assembly for a crankshaft journal defined by radially extending cheeks, comprising a plurality of anti-friction rollers, means forming axially directed annular recesses about said journal surface between said cheeks and of less radial extent than said cheeks, said rollers being positioned with the opposite ends thereof retained in said recesses against outward displacement, and means adapted for rotation on said rollers and including endwise axially recessed portions axially overhanging said recess forming means.

2,248,616
TELEMETERING SYSTEM
Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application January 28, 1939, Serial No. 253,368
8 Claims. (Cl. 172—239)

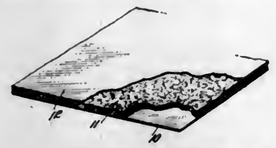


1. A receiver for a telemeter system comprising in combination stator means for producing a diametric stator flux variable in angular direction in response to variations in the indication to be transmitted through the system, said stator having a smooth-surface core opening for receiving a rotor, and a substantially circular-cross-section rotor cooperating with said stator means with an axis of rotation substantially coaxial with its cross-section and with said stator means, said rotor being composed of sintered magnetic oxides and being magnetized transversely to its axis of rotation.

2,248,617
ARTICLE MADE OF CELLOPHANE
Paul Feeley and Dikran Dingilian, New York, N. Y.
Application January 7, 1939, Serial No. 249,692
1 Claim. (Cl. 154—46)

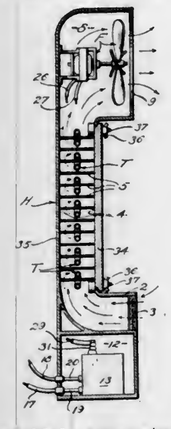
A hollow, translucent, self-sustaining article having curved walls consisting of material in the form of a sandwich composed of two outside layers of normally flexible sheet Cellophane having between them a thick mass of crumpled Cellophane covered with a clear and water-soluble adhesive which secures the thick mass of

crumpled Cellophane to the layers of sheet Cellophane, said sandwich-like walls being rigid



whereby the article possesses sufficient structural strength so that it retains its shape in the absence of a supporting frame.

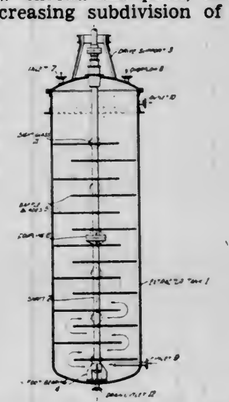
2,248,618
BACTERICIDAL APPARATUS
Robert A. Fischer, Glendale, Calif.
Application April 1, 1939, Serial No. 265,559
2 Claims. (Cl. 250—52)



1. A bactericidal apparatus comprising: a housing closed to the atmosphere except for an air inlet and an outlet, and a baffled passage intermediate said inlet and outlet of restricted area, a tubular and continuous irradiating element supported in and extending throughout said passage, means connecting said element with a source of electric current for energizing said element, and air induction means adjacent said outlet, for effecting circulation of air through said passage for irradiation, and a detachable cover over said passage and removable from said housing at will, whereby articles contaminated with bacteria may be directly irradiated for treatment of bacteria thereon.

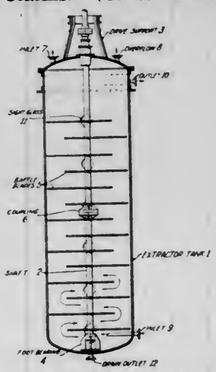
2,248,619
PROCESS FOR EXTRACTION
Louis Freedman, Mount Vernon, and Harry Ennis Dubin, New Rochelle, N. Y., assignors to U. S. Vitamin Corporation, New York, N. Y., a corporation of Delaware
Application June 7, 1937, Serial No. 146,776
7 Claims. (Cl. 167—81)

1. A process for extraction, which comprises contacting a liquid medium containing a substance to be extracted with a second liquid medium which is substantially immiscible with and of different specific gravity than the first medium but which is a solvent for said substance, by passing one of said mediums unidirectionally through the other, which remains substantially stationary, in a retarded flow, through a determinate screw thread-like path, and with continuously increasing subdivision of the flowing



medium thereby affording increased surface contact.

2,248,620
EXTRACTION APPARATUS
Louis Freedman, Mount Vernon, and Harry Ennis Dubin, New Rochelle, N. Y., assignors to U. S. Vitamin Corporation, New York, N. Y., a corporation of Delaware
Application January 24, 1939, Serial No. 252,518
9 Claims. (Cl. 23—270.5)



1. An extraction apparatus which comprises in combination an extraction vessel, a revolvable shaft extending into said extraction vessel, a plurality of baffle discs secured to said shaft, said baffle discs being so constructed as to provide relatively slight clearance with the vessel walls at one edge and a relatively greater clearance at another edge and so arranged as to cause a medium passing through the extraction vessel to travel through determinate paths and in a retarded and tortuous manner.

2,248,621
METHOD OF FABRICATING WELDED ASSEMBLIES
Robert T. Gillette, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 13, 1938, Serial No. 245,432
4 Claims. (Cl. 29—188)

1. The method of fabricating a metallic ribbon having lengthwise sections of different metals welded together at their adjacent ends, which

comprises lengthwise rolling round wires of different metals having substantially the same cross section to flatten them equally to a thickness more than the thickness of said ribbon, welding sections of said partially flattened wires end to end with their flattened portions in substantially the same planes to form a welded assembly



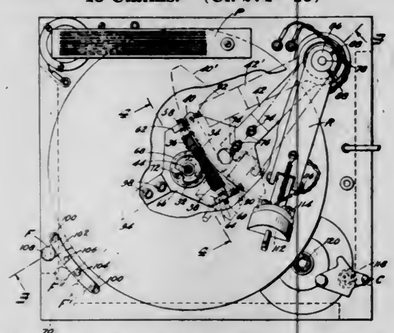
having lengthwise sections of different metals, sizing the weld between flattened wire sections in said welded assembly to the same cross sectional contour as said flattened wire sections, and flattening said weld and further flattening said partially flattened wire sections in said welded assembly by lengthwise rolling said welded assembly to the thickness of said ribbon.

2,248,622

REVERSIBLE FEED MECHANISM FOR RECORDERS

Morris M. Gruber, New York, N. Y., and George J. Saliba, Englewood, N. J., assignors to Presto Recording Corporation, New York, N. Y., a corporation of New York

Application May 12, 1939, Serial No. 273,168
15 Claims. (Cl. 274—13)



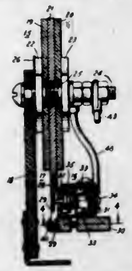
11. A recording apparatus comprising a horizontal supporting panel, a main turntable bearing below said panel, a turntable above said panel, a turntable shaft extending downwardly from the turntable into the main bearing, a worm between said turntable and said bearing, a bearing plate directly above said panel and oscillatable about the axis of the turntable, a small-diameter pinion meshing with said worm, large-diameter feed screws at the ends of said pinion, one of said feed screws being left-hand and the other right-hand, said assembly of pinion and feed screws being rotatably carried on said bearing plate, a cutting head, a recording arm carrying said cutting head and having a hub, a vertical bearing secured to said panel outside said turntable for oscillatably receiving said hub, a feed arm rigidly secured to said hub and extending between the turntable and the panel, a toothed sector carried by said feed arm and adapted to engage a feed screw and to clear the pinion and worm during its movement, a control handle connected to said bearing plate for moving the bearing plate in one direction to engage one screw with the sector, or in the other direction to engage the other screw with the sector, or for moving the same to mid-position to disengage both screws from the sector.

2,248,623

PROTECTIVE DEVICE

Arthur R. Hand, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 29, 1939, Serial No. 311,536
3 Claims. (Cl. 200—122)



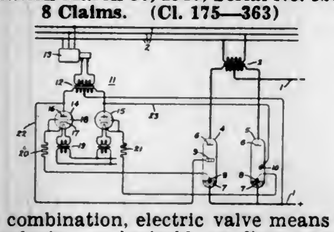
1. Apparatus for protecting current transformers against overvoltage in their secondary windings, comprising a pair of disks of nonlinear resistance material, metalized surfaces on said disks, a supporting plate between the disks and extending beyond them, composed of a good electrical conductor, contact pieces on either side of the disks composed of electrical conducting material, means for clamping said disks together against said supporting plate, said plate having a groove therein between the nonlinear resistance disks, a bimetallic strip in said groove and projecting beyond the disks with the inner end of the strip secured to said plate, and a switch of the micrometer type supported at the extending end of said plate having a contact closing member in operative relation to the projecting end of the bimetallic strip, relatively movable contacts, one of which is electrically connected to said plate and the other of which is electrically connected to said contact disks, said switch contacts also being adapted to be connected across the secondary winding of the current transformer which is to be protected.

2,248,624

ELECTRIC VALVE CONTROL CIRCUITS

Carl C. Herskind, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 30, 1940, Serial No. 326,924
8 Claims. (Cl. 175—363)



1. In combination, electric valve means of the type employing an ionizable medium capable of supporting an arc discharge and comprising an anode, a cathode, an immersion-ignitor control member and an auxiliary electrode, an excitation circuit comprising a saturable inductive device for continuously producing a periodic voltage for effecting energization of said control member, a unidirectional conducting device connected in said excitation circuit for transmitting only unidirectional impulses of current to said control member, and means exclusive of said unidirectional conducting device and connected between

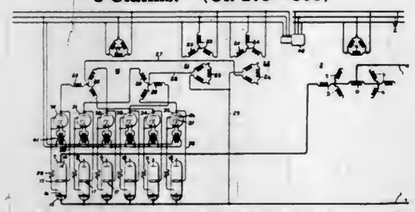
said saturable inductive device and said auxiliary electrode for effecting transfer of current from said control member to said auxiliary electrode during each cycle of the voltage of said alternating current circuit upon initiation of an arc discharge within said electric valve means.

2,248,625

ELECTRIC VALVE CONTROL CIRCUIT

Carl C. Herskind, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 30, 1940, Serial No. 326,925
3 Claims. (Cl. 175—363)



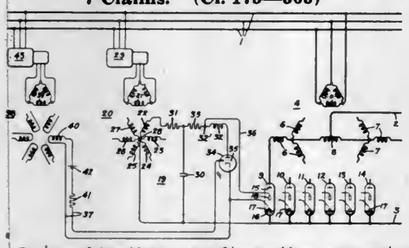
1. In combination, an alternating current circuit, a direct current circuit, electric translating apparatus connected between said circuits and including an electric valve means of the type employing an ionizable medium capable of supporting an arc discharge and comprising an anode, a cathode, an immersion-ignitor control member and an auxiliary electrode, means for supplying energizing current to said immersion-ignitor control member comprising one inductive network energized from said alternating current circuit for producing a voltage of fundamental frequency, a second inductive network energized from said alternating current circuit for producing a periodic voltage of triple frequency and means responsive to the resultant of the fundamental voltage and the triple frequency voltage to impress on said control member a periodic voltage of peaked wave form, and means for connecting said auxiliary electrode to said inductive networks to effect transfer of current from said immersion-ignitor control member to said auxiliary electrode upon the initiation of an arc discharge within the electric valve means.

2,248,626

ELECTRIC VALVE CIRCUIT

Carl C. Herskind, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 23, 1940, Serial No. 336,750
7 Claims. (Cl. 175—363)



1. In combination, an alternating current circuit, a direct current circuit, electric translating apparatus connected between said circuits and comprising electric valve means having an anode, a cathode, an immersion-ignitor control member associated with said cathode, an auxiliary electrode and employing an ionizable medium capable of supporting an arc discharge, and an excitation circuit for transmitting unidirectional impulses of current to said control member and for energizing the auxiliary electrode to maintain arc discharges after the initiation of arc discharges by the energization of the control member and comprising a capacitance and an inductance having a natural oscillation frequency substantially greater than the frequency of said alternating current circuit.

2,248,627

PHOTOGRAPHIC APPARATUS

John Knight Holbrook, New York, N. Y., assignor to Holbrook Microfilms, Inc., New York, N. Y., a corporation of New York

Application July 15, 1938, Serial No. 219,306
1 Claim. (Cl. 88—24)



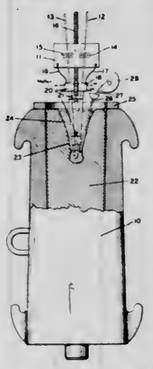
Photographic apparatus including a camera having film feeding means, a lens and a shutter, a lamp in front of the lens, and means for vertically supporting a translucent sheet to be copied between the lamp and lens in exposure position, means for smoothing the sheet, said lamp being positioned out of line with the lens axis whereby sheets of different size may be copied without the light passing around the edges of the sheet being directed away from the lens, and means for sequentially operating the film feeding means, shutter and sheet supporting and smoothing means.

2,248,628

METHOD OF CASTING METAL BODIES

Robert K. Hopkins, New York, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

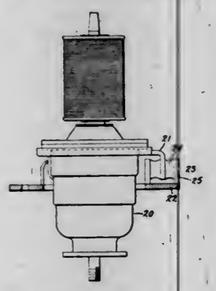
Application August 28, 1937, Serial No. 161,373
4 Claims. (Cl. 22—216)



1. A method of increasing the yield of sound metal in metal bodies which comprises casting molten metal into a mold, coalescing metal with said cast metal by electric energy discharge under a blanket of flux to fill the cavity formed in said cast metal, said discharge taking place between a plurality of metal electrodes, the electric energy supplied for said discharge being supplied to said electrodes, and passing molten metal

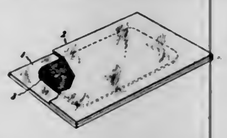
from an outside source to be coalesced by said energy discharge with said cast metal and the metal of the electrodes.

2,248,629
MACHINE AND SUPPORTING ARRANGEMENT THEREFOR
Edwin H. Hull, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application November 29, 1939, Serial No. 306,711
10 Claims. (Cl. 248—26)



1. A supporting arrangement for a rotatable member including a stationary member having a resilient supporting means adapted to allow said stationary member to vibrate and a bearing in which said rotatable member may rotate, said rotatable member tending to oscillate when unbalanced, the structural constants of said stationary member being such as to determine a natural frequency of oscillation of said stationary member substantially equal to the frequency of oscillation of said rotatable member at the normal operating speed range of rotation of said rotatable member in order to minimize bearing forces due to said oscillations.

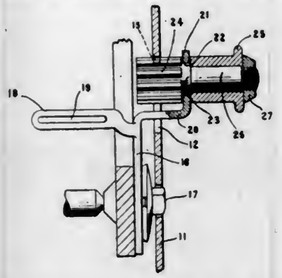
2,248,630
X-RAY SCREEN
Ralph P. Johnson and Frank B. Quinlan, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application May 9, 1939, Serial No. 272,611
7 Claims. (Cl. 250—80)



1. An X-ray fluorescent screen comprising a base consisting of pressure-resisting sheet material, a layer of phosphor thereon, and a cover therefor, said phosphor comprising alkali halide and minor proportion of an activator of fluorescence, said phosphor being coalesced to a nongranular state between said base and cover and being otherwise unassociated with bonding material.

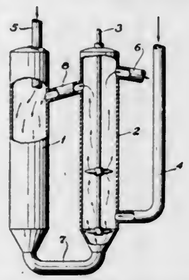
2,248,631
CLOCK REGULATOR
Ben Johnson, Brooklyn, N. Y.
Application February 10, 1941, Serial No. 378,184
2 Claims. (Cl. 58—111)

1. In combination with a clock having an arcuate slot in its casing and a regulator projecting therethrough, a series of rack teeth formed in



one of the longitudinal edges of the slot, and a pinion fixed on said stem to engage said teeth.

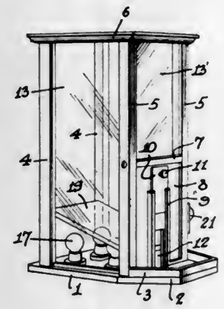
2,248,632
LITHOPONE AND PROCESS OF PRODUCING SAME
Joseph P. Koller, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 24, 1940, Serial No. 358,074
7 Claims. (Cl. 106—295)



1. In the precipitation of lithopone from barium sulfide and zinc sulfate, said lithopone when calcined and incorporated into coating composition vehicles producing a paint which forms dry paint films having a hiding power 15% greater than normal lithopone, having good texture, and having an angle of sheen of not more than 30° as determined by the angle of sheen test, the step which comprises recirculating the precipitated crude lithopone particles alternately and repeatedly through a zone containing an excess of one of the reactants, said zone being adjacent to the point of discharge of said reactant, and then through a second zone containing an excess of the other reactant, said second zone being adjacent to the point of discharge of said second reactant.

2,248,633
PEANUT HEATER
George Lee, Elk Grove, Wis.
Application April 22, 1939, Serial No. 269,529
2 Claims. (Cl. 34—88)

1. In a peanut heater, the combination of a cabinet, a hinged door in the top thereof, a base extending beyond the front of the cabinet to form a tray, a vertically slidable door for discharge of peanuts onto the aforesaid tray, a plurality of rows of electrical bulbs in the base of the cabinet for heating the peanuts, a slanting heating shelf extending over both rows of bulbs and having its lowermost edge adjacent the bottom of the aforesaid vertically slidable door for discharge of the peanuts, and a reversely disposed peanut supporting shelf spaced above the heat-



ing shelf to limit the number of peanuts reaching the heating shelf.

2,248,634
METHOD OF CONCENTRATION
Georg A. Krause, Munich, Germany, assignor of one-half to Gesellschaft für Linde's Eismaschinen A.-G., Hollriegelskreuth, near Munich, Germany
No Drawing. Application October 2, 1937, Serial No. 167,031. In Germany October 10, 1936
5 Claims. (Cl. 99—199)

1. The method of concentrating aqueous solutions which comprises freezing the solution to solidify at least a portion of the water thereof, separating a concentrate from the ice so formed and thereafter removing additional water from the concentrate by surface evaporation while maintaining the temperature of the concentrate considerably below its boiling point at the pressure employed.

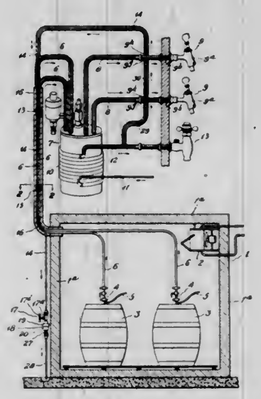
2,248,635
TREATMENT OF HALOGENATED POLYHYDRIC ALCOHOLS
Kenneth E. Marple and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 20, 1939, Serial No. 280,066
15 Claims. (Cl. 260—348)

1. A process for the conversion of glycerol monohalohydrin to the corresponding glycidol and for the recovery thereof from the products of reaction, which comprises commingling the glycerol monohalohydrin with a basic-acting compound and a solvent comprising alcohol and benzol, maintaining said mixture at subatmospheric temperature while in a state of agitation for a period of time sufficient to effect the conversion of the glycerol monohalohydrin to the corresponding glycidol, thereby producing a reaction mixture containing water, salt, solvent, unreacted glycerol monohalohydrin and glycidol, neutralizing said mixture, separating the salt from the liquid constituents of said mixture, distilling said remaining liquid mixture to recover as an overhead fraction a ternary azeotrope comprising the alcohol, benzol and substantially all of the water contained in said mixture, and continuing said distillation to recover a high yield of a substantially anhydrous glycidol.

2,248,636
BENTONITE PRODUCT
James Marsden, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application March 25, 1939, Serial No. 264,236
5 Claims. (Cl. 106—287)

1. A sheet material constituting the dried residue of bentonite gel containing about one per cent of triethylene tetramine.

2,248,637
COOLING SYSTEM FOR DRAFT BEVERAGES
Howard B. McLaughlin, Detroit, Mich., assignor to Temprite Products Corporation, Detroit, Mich., a corporation of Michigan
Application December 29, 1939, Serial No. 311,457
8 Claims. (Cl. 62—7)

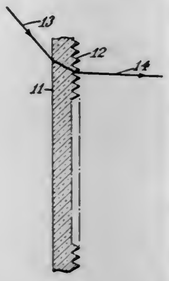


1. In a cooling system for draft beverages, the combination of a cooled chamber for the beverage containers; a beverage container therein; a beverage dispensing faucet outside the cooled chamber; means for conducting beverage from the container to the faucet comprising a conduit extending from the container through the wall of the said chamber to the region of the faucet; a water conduit extending from the region of the faucet along the beverage conduit and in heat-conducting connection therewith to a point in the region of and outside the cooled chamber; a source of cold water connected to the inlet end of the water conduit; and a thermostatic valve outside the cooled chamber connected to control flow of water through the water conduit to a point of discharge, said valve opening when its temperature rises and closing when it falls, whereby cold water is maintained in the water conduit without wastage of water and the beverage conduit is maintained at a suitably low temperature.

2,248,638
SHEET MATERIAL WITH PRISMATIC SURFACES
Thomas Ralph Merton, Hereford, England
Application February 11, 1938, Serial No. 190,129
In Great Britain February 22, 1937
4 Claims. (Cl. 156—10)

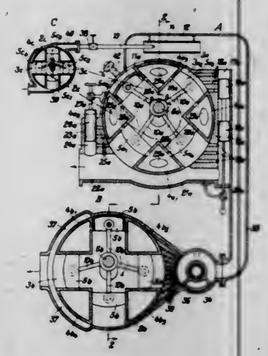
1. A roller blind comprising thin flexible sheet material having thereon a multiplicity of light deflecting prismatic elements distributed over one of its surfaces, the prismatic elements being

so minute as not to be readily individually observable by the naked eye, the material being



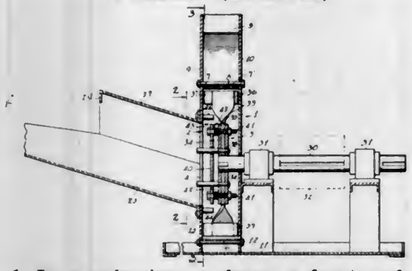
transparent so that the prismatic elements act as refractive prisms for transmitted light.

2,248,639
ROTARY PISTON MACHINE
Reinhold Miksits, Berlin, Germany
Application September 22, 1937, Serial No. 165,197
In Germany January 4, 1935
2 Claims. (Cl. 60—44)



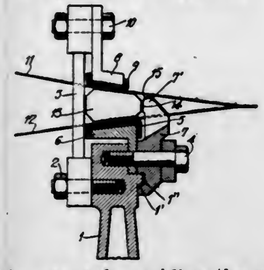
1. In a rotary piston engine, a housing with a partly cylindrical inner surface, a drum with an outer diameter corresponding to the inner diameter of the cylindrical portion of said surface and rotatable in said housing, at least one recess in said drum, an elongated piston extending parallel with the axis of the drum and movable radially in said recess, means for moving the piston radially in said recess whereby the piston together with said recess and said cylindrical inner surface forms a working chamber, one side of said engine constituting a compression part in which said piston moves generally radially outward, another side of said engine constituting an expansion part in which said piston moves generally radially inward, an air inlet in connection with one end of said compression part, means forming a chamber having an opening adjacent another end of the compression part through which air compressed in said compression part can pass into said last-mentioned chamber, a continuously operating burner in said last-mentioned chamber, said engine having a second opening in one end of said expansion part communicating with said last-mentioned chamber providing a passage for the combustion gases into the working chamber, and exhaust opening means in the other end of said expansion part.

2,248,640
PULVERIZER
Irven T. Miller, Modesto, Calif.
Application September 15, 1939, Serial No. 295,078
7 Claims. (Cl. 83—11)



1. In a pulverizer, a drum, a front and rear wall for the drum, an intake opening in the front wall, a rotor in the drum having a front face arranged opposite the intake opening and spaced therefrom and having prongs projecting from said face toward the intake opening, the front face being slidable on the prongs, and means for adjusting the spacing between the said face and the intake opening.

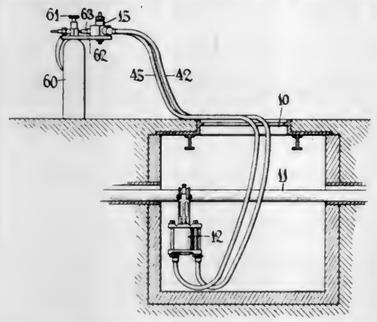
2,248,641
LOOM FOR WEAVING
Albert Moessinger, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application July 20, 1938, Serial No. 220,212
In Switzerland July 31, 1937
11 Claims. (Cl. 139—188)



1. A guide means for guiding the weft thread insertion means when moving through the shed in looms for weaving having a lay, said guide means comprising a plurality of tooth members forming together a comblike element attached to said lay and slidably guiding said thread insertion means when it moves through the shed, each of said members having a substantially flat guide surface which slidingly engages a corresponding surface of said weft insertion means, and warp thread spreading surfaces flaring out from said substantially flat surfaces and in a direction which is substantially parallel to the warp threads and spreading the warp threads apart and away from said guide surface.

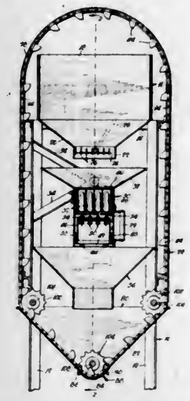
2,248,642
DEVICE FOR CUTTING CABLES AND THE LIKE
Cecil Roy Phillips, North Tonawanda, N. Y., assignor of one-third to Howard T. Saperston and one-third to Ralph J. Rosen, both of Buffalo, N. Y.
Application November 26, 1938, Serial No. 242,614
11 Claims. (Cl. 164—47)

1. A readily portable and manually liftable device for severing cables or the like, including in combination, a container for a gas under pressure, a cutting unit comprising a cylinder, a piston, and a piston operated cutting blade, and an engageable and releasable yoke member



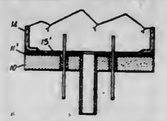
adapted to secure said cutting unit to and slingingly support said cutting unit from the cable to be severed, and means for directing gas from said container into said cylinder to force said piston operated cutting blade into and through said cable to sever the same.

2,248,643
APPARATUS FOR ENROBING FROZEN CONFECTIONERY PRODUCTS WITH CHOPPED NUTS AND SIMILAR SUBSTANCES
Marlin B. Rasmusson, Los Angeles, Calif., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application April 10, 1940, Serial No. 328,846
14 Claims. (Cl. 107—1)



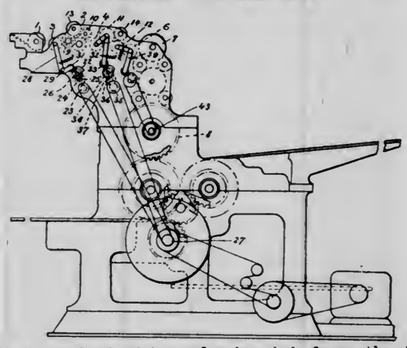
1. In a machine of the character described, a supporting structure, a storage chamber adapted to be positioned adjacent the top thereof for receiving a quantity of comminuted enrobing substance, said storage chamber having a discharge outlet at the bottom thereof, an enrobing chamber which is open at the top and bottom for receiving and holding a plurality of confectionery products below the discharge outlet of said storage chamber, said enrobing chamber being movable with respect to the supporting structure, and a receiving hopper mounted below said enrobing chamber for receiving the excess enrobing substance passing through said enrobing chamber.

2,248,644
METHOD OF SEALING EVACUATED ENVELOPES
Martin Reger, Berlin-Charlottenburg, and Hans Jancke, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application April 5, 1938, Serial No. 200,124
In Germany February 9, 1937
2 Claims. (Cl. 49—81)



2. A method of sealing the envelope of an electrical device by means of a porous sintered ceramic disc-like closing body which comprises coating a surface of said closing body with a layer of powdered glass having a low fusion point, heating said body until the layer of powdered glass fuses to thereby form a primary glaze covering the entire said surface of said body, cooling the said glaze and aplying thereover a second layer of powdered glass having a higher fusion point than said primary glaze, placing the said envelope with its neck on the said second layer of powdered glass so that the said glazed surface of said body constitutes a part of the inner surface of said envelope, and heating said envelope together with said closing body until the said second layer of powdered glass fuses to form a secondary glaze on said primary glaze which hermeticaly seals said envelope to said primary glaze and said closing body.

2,248,645
INKING DEVICE OF PRINTING MACHINES
Alfred Schlesinger, Hampstead, London, England
Application March 9, 1939, Serial No. 260,687
In Great Britain March 14, 1938
21 Claims. (Cl. 101—350)



1. A method of transferring ink from the ink supply to the inking rollers of a printing machine, which consists in taking from the supply a charge of ink sufficient for at least two printing impressions, isolating and working-up said ink to increase its fluidity during a period of time sufficient to enable at least two printing impressions to be made by the machine, and when said ink has been worked-up, supplying it to the inking rollers in quantities smaller than said charge but by successive applications to the inking rollers so that while a number of impressions are being taken corresponding to the said charge, the worked-up ink is supplied in smaller quantities to the inking rollers by a plurality of transfers so as to obtain substantial uniformity of density

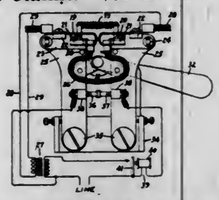
of the successive impressions, and while these impressions are being made, working up another isolated charge of ink sufficient for at least two printing impressions.

2,248,646
PHOTOGRAPHIC FILM TENSIONING MECHANISM
Howard Small, Philadelphia, Pa.
Application October 27, 1938, Serial No. 237,166
16 Claims. (Cl. 88—24)



1. Photographic film tensioning mechanism comprising gripping elements with crosswise serrated gripping areas for biting into opposite edge margins of the film while the latter over-lies an exposure opening in a backing surface; and means for moving said elements outward relative to each other while in pressure contact with the film margins on the backing surface to tension the film.

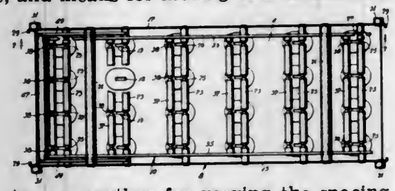
2,248,647
METHOD AND APPARATUS FOR SEALING ENVELOPES
Royal F. Strickland, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application November 16, 1938, Serial No. 240,795
10 Claims. (Cl. 49—2)



2. Apparatus for sealing an envelope having a vitreous exhaust tube extending therefrom comprising means for supporting the tube and envelope so as to permit a small longitudinal elongation of the tube, means for heating a portion of the exhaust tube, a pair of jaws arranged to engage opposite sides of said tube, means for causing said jaws to engage and pinch said exhaust tube to seal it, said jaws being arranged for a small amount of movement longitudinally of the exhaust tube to permit the longitudinal displacement of the tube and jaws during the pinching operation.

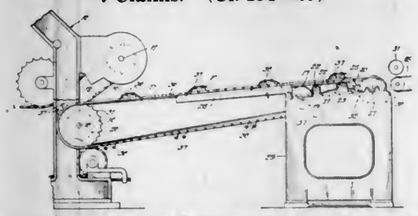
2,248,648
PORTABLE STICK HANDLING CARRIER
Norman M. Thomas, Pelham, N. Y., and Herman Siemund, Chicago, Ill., assignors to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application February 24, 1940, Serial No. 320,570
21 Claims. (Cl. 294—87)

1. A stick handling apparatus including a main frame structure having a plurality of spaced rods arranged in spaced relation to a plurality of spaced means for receiving a plurality of handle members, and a second frame structure having a plurality of spaced rods which are adapted to be interspaced with the rods of the main frame structure, and means for moving said structures rela-



tive to one another for varying the spacing between their respective rods.

2,248,649
METHOD AND MACHINE FOR FOLDING SANITARY NAPKINS
Oscar T. Thompson, Neenah, Wis., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application June 27, 1938, Serial No. 216,031
7 Claims. (Cl. 154—29)



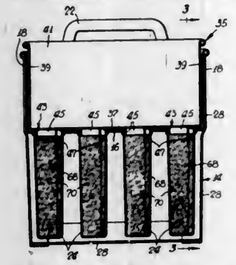
1. Mechanism for folding an end tab of a sanitary napkin, comprising conveying means for maintaining the napkin continuously in movement in an endwise direction, and means movable independently of said conveying means and at a higher speed than the latter and over the pad portion of the napkin on said conveying means, said means being operative, as an incident to its higher speed of travel, to effect folding of said tab over said pad portion while the latter continues its movement on said conveying means.

5. The method of folding the end tabs of sanitary napkins, which comprises the steps of conveying a napkin in an endwise direction with the tabs thereof extending endwise from the pad portion of the napkin, lifting and dragging said rearwardly extending tab progressively, from adjacent its pad end to its free end, forwardly over the pad portion while the latter continues its normal forward movement, and then, while the napkin continues to move forwardly, effecting rearwardly directed folding of the forwardly extending tab.

2,248,650
PROCESS FOR PRODUCING NITROGEN TRICHLORIDE
Gerrit van der Lee, Deventer, Netherlands, assignor to Naamlooze Vennootschap Industrieele Maatschappij Voorheen Noury & Van Der Land, Deventer, Netherlands, a company of the Netherlands
No Drawing. Application February 23, 1937, Serial No. 127,297. In the Netherlands February 28, 1936
3 Claims. (Cl. 204—101)

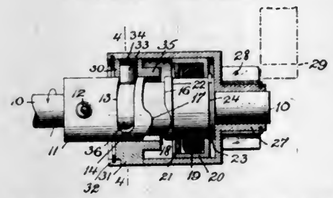
1. Process for producing nitrogen trichloride which comprises electrolyzing an aqueous solution of acid reaction containing ammonium and chloride ions, the acidity of said solution being greater than the normal acidity of ammonium chloride dissolved in water, and which solution contains dissolved therein a chloride of a metal selected from the group of metals consisting of the alkali metals and alkaline earth metals, said chloride of a metal being present in sufficient amount to cause the concentration of chloride ions in the said aqueous solution to greatly exceed the concentration of ammonium ions therein.

2,248,651
FROZEN CONFECTION MAKING APPARATUS
Lester W. Von Losberg, Teaneck, N. J., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application December 14, 1939, Serial No. 309,145
17 Claims. (Cl. 107—1)



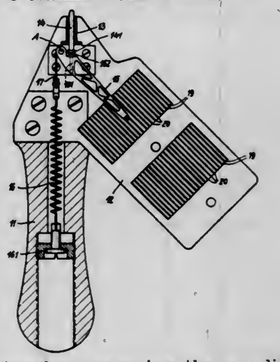
1. Apparatus of the character described for forming and refrigerating a plurality of composite frozen confectionery products simultaneously which includes, in combination, a mold structure comprising an open-top pan having upstanding sidewalls and a plurality of spaced open-top molds depending therefrom, and a filler member comprising an open-top pan adapted to be positioned within the pan of said mold structure having a plurality of correspondingly spaced openings therethrough, each of the openings of the filler member being provided with a downwardly projecting lip member along a portion of its perimeter which extends into its respective mold in spaced relation to the side thereof for protecting and holding an edible cracker adjacent the sidewall of said mold during the filling operation.

2,248,652
STARTING DEVICE
Samuel Ysskin, Newark, N. J.
Application June 29, 1940, Serial No. 343,070
7 Claims. (Cl. 74—9)



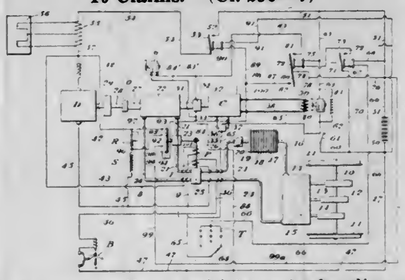
1. A starting device comprising a shaft, the shaft having a groove with a lateral starting part, a helical propelling part and an annular operating part, the operating part having a sinuous form, a plate movable on the shaft, a pin in the plate and in the groove of the shaft, a sleeve movable on the shaft and rotatable with the plate, an engine engaging member on the sleeve and a resilient member mounted on the shaft and in the path of the plate whereby the plate exerts a compression strain on the resilient member when the pin engages the wall of the sinuous part of the groove, and the resilient member under abnormal compression allows the pin to surmount said sinuous wall.

2,248,653
APPARATUS FOR MEASURING THE AMPLITUDE OF OSCILLATIONS
Friedrich Allendorff, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschrankter Haftung, Stuttgart, Germany
Application January 27, 1939, Serial No. 253,200
In Germany February 2, 1938
6 Claims. (Cl. 73—51)



1. Apparatus for measuring the amplitude of oscillations of a test piece, comprising the combination with a handle of large mass, a push-rod movably guided therein, an indicator pivotally mounted on said handle and operatively connected to said push-rod and resilient means for urging said push-rod towards an initial position, of a pack attached to said handle comprising a plurality of alternately disposed insulating layers and electrically conductive foils, and a remotely disposed time-dependent recording means in electrical connection with said conductive foils and said indicator, whence by said indicator sliding over and contacting the foils the aforesaid recording means is correspondingly affected.

2,248,654
EQUIPMENT FOR AIR CONDITIONING VEHICLES
William R. Ballou, Jr., Boston, Mass., assignor of one-half to William F. Wright, Lisbon, Ohio
Application November 23, 1938, Serial No. 242,008
10 Claims. (Cl. 290—7)



1. In combination, a vehicle, an hydraulic pump adapted to be actuated by a moving part of the vehicle, an hydraulic motor, a fluid conduit connecting said pump and motor, a dynamo, releasable means for connecting said dynamo and hydraulic motor, a battery, electrical connections

between said battery and dynamo, and means responsive to a predetermined velocity of the fluid in said conduit for causing said dynamo to change its action from that of a motor to that of a generator.

2,248,655
AUTOMOBILE COVER
Joseph M. Bila, Walnut Park, Calif.
Application November 4, 1940, Serial No. 364,121
15 Claims. (Cl. 135—5)

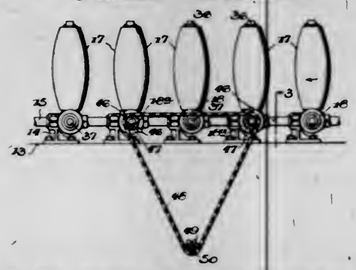


1. A removable protective cover for an automobile, fashioned from a flexible material and adapted to rest upon and completely cover the automobile and to substantially completely enclose the body of the automobile at the ends and sides thereof, said cover being provided with a slit extending in a generally longitudinal direction from a position intermediate the ends of the cover and adjacent one end of the top of the body when in position thereon to the edge of the cover at the other end of said body to completely divide the cover from said intermediate position to said edge; separable fastening means adapted to secure together the portions of the cover at the opposite sides of said slit to close the slit, said separable fastening means including slide fastening means extending along the major portion of said slit; and means for operating said slide fastening means from said one end of said cover.

2,248,656
METAL-WASHING COMPOSITION
Paul G. Bird, Western Springs, Ill.
No Drawing. Application April 3, 1939, Serial No. 265,766
4 Claims. (Cl. 252—135)

1. A composition for use in removing grease and reaming compounds from the interior of boilers and the like, comprising approximately 30 parts by weight of tetrasodium pyrophosphate, 40 parts by weight of sodium sulfate, and 30 parts by weight of sulfite waste liquor solids.

2,248,657
BOX DUMPING MACHINE
Irvin J. Blondon and Robert E. Haworth, Pomona, Calif., assignors to Brogdex Company, Pomona, Calif., a corporation of Florida
Application May 2, 1939, Serial No. 271,404
5 Claims. (Cl. 214—1.1)

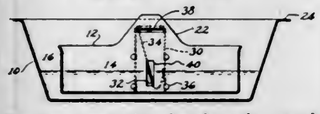


2. A box dumping machine comprising twisted conveyor means adapted to advance and tilt a box into different angular positions, and a rotatable member directly engaging and supporting said box, said member being provided with a projection adapted to intermittently strike and vibrate said box while the latter is in dumping position.

2,248,658
PROCESS FOR STABILIZING ORGANIC HEAVY METAL SALTS
Mihai Bogdan, Ploesti, Rumania, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 10, 1940, Serial No. 328,895. In the Netherlands May 13, 1937
6 Claims. (Cl. 23—250)

1. In a process for inhibiting discoloration of a salt of a heavy metal and an organic acid selected from the group consisting of aliphatic and alicyclic monocarboxylic acids containing at least 7 carbon atoms, the step comprising finely distributing throughout said salt an aromatic amine containing at least one alkyl radical of 1 to 6 carbon atoms inclusive, which radical is attached to the nitrogen of the amino group, not more than one alkyl radical being attached to one amino group, said amine being selected from the group consisting of o-phenylene diamine, p-phenylene diamine, o-amino phenol, p-amino-phenol, 1-2-naphthylene diamine, 1-4-naphthylene diamine, 1-5-naphthylene diamine, 1-7-naphthylene diamine, 1-8-naphthylene diamine, 1-2-amino naphthol, 1-4-amino naphthol, 1-5-amino naphthol, 1-7-amino naphthol and 1-8-amino naphthol, in an amount of .02%–2% by weight of said acid.

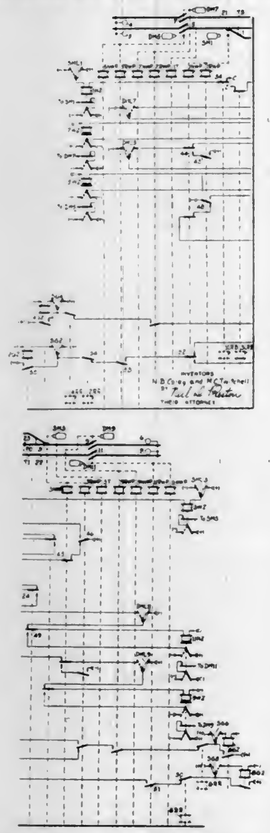
2,248,659
FRYING APPARATUS
Kenneth L. Childs, New Haven, Conn.
Application December 18, 1939, Serial No. 309,779
7 Claims. (Cl. 53—7)



2. A frying apparatus having, in combination, an open kettle, a foam controlling rim substantially smaller in size than the kettle having outwardly extending arms for suspending the rim from the side walls of the kettle, a temperature responsive element secured to the rim and provided with an indicator extending into proximity to one of the arms, and scale designations on said arm opposite said indicator.

2,248,660
INTERLOCKING SYSTEM FOR RAILROADS
Nelson B. Coley, Rochester, and Morton C. Twitchell, Spencerport, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application June 3, 1939, Serial No. 277,150
10 Claims. (Cl. 246—134)

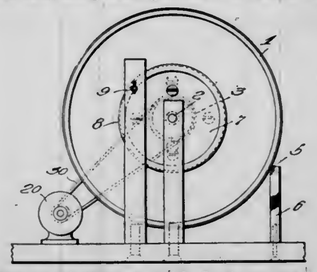
1. In a track layout for railway interlocking plants, a plurality of tracks, track switches in the tracks for lining up various routes, including conflicting routes, with each route including at least one track and a switch, a signal for each end of each route, an individual lever, freely movable at all times, and associated circuit means, for governing each signal, a derail positionable normal and reverse and between each signal and the adjacent track switch, individual power operable means for each derail and each switch, an individual lever freely movable at all times and associated circuit means for governing each of the power operable means, circuit means preventing operation of an derail to normal unless all routes including the derail be unoccupied and all signals governing all routes including the derail be at stop, circuit means preventing operation of a track switch unless all routes including the switch be unoccupied and all



signals for such routes be at stop and all derails in such routes be at normal, and circuit means locking against operation of a derail to reverse unless the track switches for a particular route including the derail be properly lined up and for locking all such track switches against operation so long as the derail is in its reverse position.

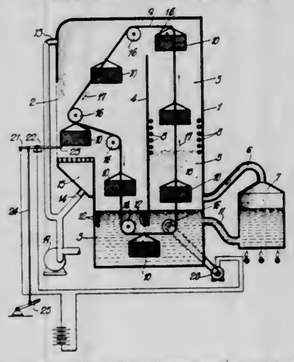
2,248,661
ALTERNATOR
Charles A. Culver, Northfield, Minn., assignor, by mesne assignments, to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application September 27, 1938, Serial No. 231,971
6 Claims. (Cl. 175—363)

6. A variable capacity reactance comprising a pair of relatively rotatable, concentrically related annuli of non-conductive material, one annulus nested in the other annulus of said pair of annuli and having an external diameter which is less than the internal diameter thereof so as to provide an air dielectric between said annuli, a capacity area in the form of an endless band of predetermined configuration encircling the peripheral surface of the first named annulus, and a series of equi-distantly related capacity areas upon the internal surface of the second named annulus and disposed parallel to each other and



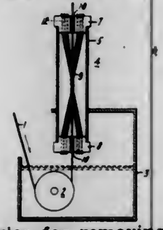
extending axially of said first named annulus, the encircling area being separated from said equi-distantly related capacity areas by the aforementioned dielectric.

2,248,662
APPARATUS FOR TREATING SOLID MATERIALS WITH VOLATILE ORGANIC SOLVENTS
Georg Edhofer and Georg Wolff, Munich, Germany, assignors to Dr. Alexander Wacker Ges. für elektrochemische Industrie m. b. H., Munich, Germany, a corporation
Application February 8, 1938, Serial No. 189,412
In Germany May 4, 1937
8 Claims. (Cl. 202—169)



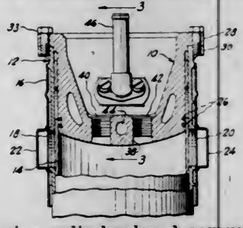
8. The apparatus for treating solid goods with a volatile solvent comprising, in combination, a vessel having a lower portion filled with said solvent in liquid state, a partition in said vessel, said partition having a lower part immersed in said solvent in liquid state and forming shaft-like chambers within said vessel, the lower parts of said chambers being sealed from one another by means of said liquid solvent, an evaporator for said solvent, said evaporator having a vapor space, a conduit connected to and connecting said vapor space and one of said chambers and terminating in said chamber in a mouth positioned above the level of the solvent in liquid state, cooling means in that one of said chambers to which said conduit is connected, said cooling means being positioned above the mouth of said conduit whereby solvent vapor condenses on said cooling means, and an endless conveyor means disposed entirely within said vessel and around said partition for moving the goods to be treated around said partition from one of said chambers into the other and back into the first chamber.

2,248,663
WIRE COATING DEVICE
Edward J. Flynn, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 31, 1940, Serial No. 316,527
5 Claims. (Cl. 91—53)



1. A wiping device for removing excess liquid coating composition from a coated elongated article comprising a plurality of lengths of fibrous material, and means rotatable about said elongated article for holding and twisting the lengths of said fibrous material around the coated article so as completely to encircle and contact the outer surface thereof.

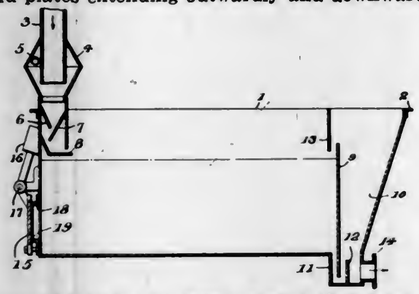
2,248,664
CYLINDER HEAD
Carl N. Furay, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 29, 1939, Serial No. 287,230
10 Claims. (Cl. 123—173)



4. An engine cylinder head comprising, an integral member having an annular side wall, a convex outer end wall, an inner wall joined to said side wall and spaced from said outer end wall to provide an annular coolant chamber between said end walls, and an integral web between said end walls disposed substantially centrally thereof and provided with spark plug apertures and a coolant passage therethrough, said coolant passage being restricted in the region of said spark plug apertures to provide an increased velocity of coolant flow past said apertures.

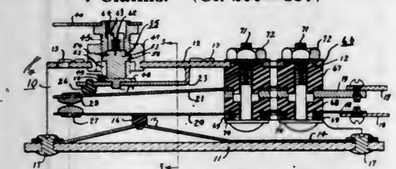
2,248,665
SLUDGE SEPARATOR
Ernest F. Fisher, Springfield, Ill.
Application July 16, 1937, Serial No. 154,089
7 Claims. (Cl. 210—60)

1. A sludge separator comprising a tank provided with an inlet for sludge and an outlet for clear liquid, one end of said tank being provided with a clean-out opening adjacent the bottom of said tank, the other end of said tank being provided with a downwardly extending offset chamber forming a sump chamber, a vertically arranged wier wall within said tank and above said sump chamber, dividing the tank into a clear liquid compartment and a sludge compartment, said wier wall being provided on one side with a plurality of spaced parallel louvered baffle plates, said plates extending outwardly and downwardly



from said wall and being spaced therefrom at their corresponding edges positioned adjacent said wall.

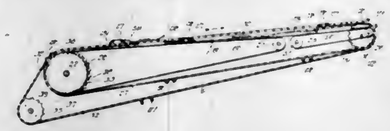
2,248,666
THERMOSTATIC SWITCH
William H. Fischer, Des Plaines, Ill., assignor to Dominion Electrical Manufacturing, Inc.
Application November 25, 1938, Serial No. 242,159
7 Claims. (Cl. 200—137)



1. In an electrical appliance, a thermostatic switch comprising, in combination, first and second relatively movable contacts normally resiliently disposed to separate from each other, hollow threaded means, inclined means rotatively connected to said hollow threaded means, axial means in said hollow threaded means for adjustably setting the inclined means with respect to said hollow threaded means to influence the temperature setting of the said thermostatic switch, said hollow threaded means and said inclined means being manually rotatable together to move the first of said contacts to make a circuit with the second contact or to allow said first contact to spring away from said second contact to break the circuit, a temperature responsive element operable upon said second contact to make or break the circuit depending upon the temperature of the said electrical appliance, said hollow threaded means being operable separately from said inclined means to move both of said contacts to regulate the temperature setting of the said thermostatic switch.

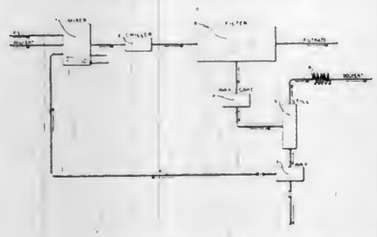
2,248,667
METHOD AND MACHINE FOR FOLDING SANITARY NAPKINS
Charles A. Fourness, Appleton, and Charles J. Greiner, Menasha, Wis., assignors to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application January 5, 1938, Serial No. 183,514
6 Claims. (Cl. 154—29)

1. In a machine of the class described, the combination of a conveyor for receiving in succession and propelling endwise a plurality of sanitary napkins each having a pad portion and tabs extending endwise from the ends of the pad portion, means for driving said conveyor at a substantially constant speed, movable means independent of but associated with said conveyor for receiving and supporting the rearwardly extending tabs of said napkins, said movable supporting means being arranged to receive the tabs when the napkins are delivered to said conveyor and said movable means being movable along a path of travel substantially parallel with the path of travel of said conveyor and the napkins thereon, and means for effecting faster movement of said tab supporting means than of said conveyor, whereby said tab supporting means is operative to move forwardly relative to the conveyor and the napkins thereon to fold said rearwardly extending tabs over said pad portion.



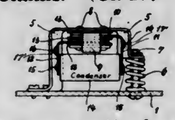
4. The method of folding the end tabs of sanitary napkins which comprises the steps of continuously propelling the sanitary napkins at a constant speed with the end tabs of the napkin extending forwardly and rearwardly from the opposite ends of the pad portion, effecting forward movement of the rearwardly extending tab at a speed greater than the normal speed of the travel of the napkin to thereby fold the rear tab over the pad portion of the napkin, and while continuing said normal speed of travel of the napkin, effecting rearward folding of the forwardly extending tab.

2,248,668
DEWAXING HYDROCARBON OIL
William P. Gee, Plainfield, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 11, 1939, Serial No. 255,834
4 Claims. (Cl. 196—18)



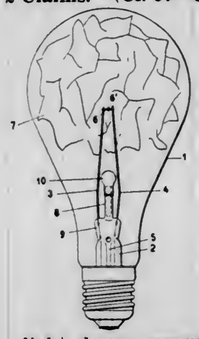
4. In the art of dewaxing oils in which wax is removed by means of a continuous rotary filter, the steps comprising mixing a dewaxing solvent with a wax-bearing oil, which mixture upon chilling and filtering tends to deposit a thin cake difficult to discharge from the filter, chilling the mixture to precipitate wax, passing the chilled mixture to a filter to remove the precipitated wax and to produce a dewaxed filtrate, and incorporating in the wax-bearing charge prior to filtering a predetermined quantity of wax of substantially the same grade as that removed from the charge in the filtration, the amount of wax so incorporated being sufficient to materially increase the ratio of wax to oil over that of the original wax-bearing charge thereby to control the character and thickness of the cake whereby the same may be rapidly formed and removed from the filter while permitting a high filter production rate.

2,248,669
ELECTROMAGNETIC HORN
Bruno Golecki, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application October 27, 1938, Serial No. 237,336
In Germany October 30, 1937
3 Claims. (Cl. 177—7)



1. In an electromagnetic horn, an electromagnet, an armature, an interrupter for said electromagnet actuated by said armature, a carrier for said interrupter, a condenser for said interrupter, holders engaging and supporting opposite ends of said condenser, and means securing said holders and interrupter together and to said carrier, said holders providing means for conducting current to said interrupter and said condenser.

2,248,670
FLASHLIGHT LAMP
Hans-Joachim Helwig, Berlin-Schoneberg, and Max Maetschke, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York
Application July 20, 1937, Serial No. 154,676
In Germany July 28, 1936
2 Claims. (Cl. 67—31)

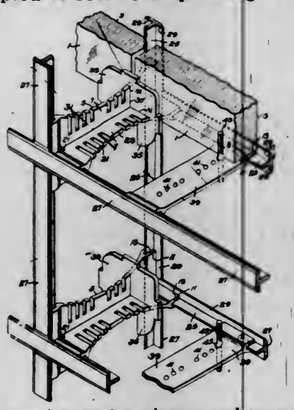


1. A flash light lamp comprising a closed transparent vessel containing a combustible material, oxygen at a pressure below atmospheric, an igniter and a hollow rubber ball whose filling-pressure is somewhat higher than the correct pressure of the lamp, but lower than atmospheric pressure, the rubber ball being placed upon and having its interior communicating with the open end of a pipe whose other end is sealed airtight to a part of the interior of the vessel, so that the rubber ball blows up if the filling pressure of the lamp-vessel is normal and unchanged, but is compressed as soon as the filling-pressure rises due to air entering the vessel.

2,248,671
WALL CONSTRUCTION
Russell L. Hohl, New York, N. Y.
Application May 11, 1939, Serial No. 272,975
24 Claims. (Cl. 72—42)

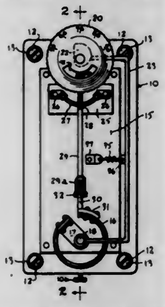
1. A device for securing the elements of a wall comprising a member having longitudinally extending flattened parts arranged to present a cross when said member is viewed from at least one end thereof, the end faces of said parts

being formed with outwardly facing slots extending in the direction of the arms of said cross and adapted to receive cooperating wall element



securing means, and a ring member surrounding the first mentioned member in engagement with the edges of said parts for engagement with the wall elements.

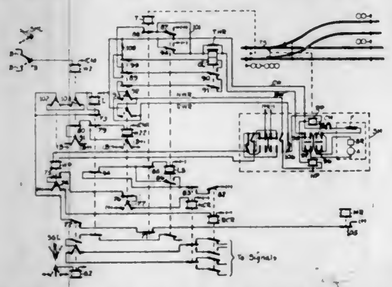
2,248,672
CONTROL DEVICE
Gifford I. Holmes, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 12, 1939, Serial No. 250,537
10 Claims. (Cl. 201—55)



1. An adjustable electrical resistance comprising, in combination, a pair of resistance elements in slidable electrical contact with each other, and means for sliding said resistances with respect to each other for progressively varying the resistance included in an external circuit, of each of said elements.

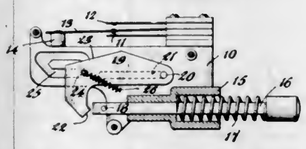
2,248,673
TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Winthrop K. Howe, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.,
Original application January 29, 1938, Serial No. 187,689. Divided and this application March 14, 1940, Serial No. 324,015
8 Claims. (Cl. 246—221)

1. In a traffic controlling system for railroads, in combination, a power operated switch machine, an electrically operable circuit controller in said switch machine having normal, center and reverse positions, a winding for said normal, and a winding for said reverse, position, of said circuit controller, circuit means for energizing either said normal winding or said reverse winding, a solenoid core having one end slidable longitudinally within said normal winding and having the other end slidable longitudinally within said reverse winding, springs for biasing said core midway between said normal and reverse windings, a contactor secured to said core and operable to close normal contacts on said circuit controller when said core is attracted by the energization of said normal winding, to close reverse contacts on said circuit controller when said core is attracted by the energization of said reverse



winding, and to open both normal and reverse contacts when both normal and reverse windings are deenergized, a circuit for energizing said switch machine with current of one polarity when said contactor is in said reverse position, a circuit for energizing said switch machine with current of the other polarity when said contactor is in said normal position, means included in the operating mechanism of said switch machine for causing the deenergization of said circuit controller when the switch machine has completed its operation in correspondence with the control circuit selected, and means for opening both sides of said switch machine control circuits when said contactor is in a central position.

2,248,674
ELECTRIC SWITCH MECHANISM
Charles J. Hull, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application October 18, 1939, Serial No. 300,041
7 Claims. (Cl. 200—33)



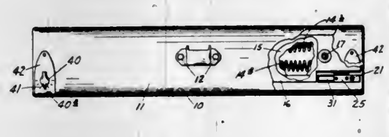
1. In a switch mechanism of the character described, a support having guide means thereon, a pair of companion switch elements mounted on said support, one of which is movable relatively to the other to and for a switch-closing position, a member slidably engageable with said guide means and projectable to and from operative engagement with said movable switch element for sustained engagement therewith during its cycle of movement to maintain the switch elements closed over a predetermined time period, and means engageable with said member for initiating its movement to a projected switch-closing position.

2,248,675
MULTIPLE FINGER ELECTRICAL CONTACT AND METHOD OF MAKING THE SAME
William Huppert, New York, N. Y.
Application October 24, 1939, Serial No. 300,939
8 Claims. (Cl. 113—119)



1. A method of making a one piece multiple finger electrical contact, which comprises forming from a flat piece of conductor metal a blank having a terminal portion and a finger portion, dividing the finger portion lengthwise into a plurality of separate fingers, bending the blank transversely along a line between the terminal and finger portions, and spreading the fingers to a desired angle by bending the terminal portion longitudinally.

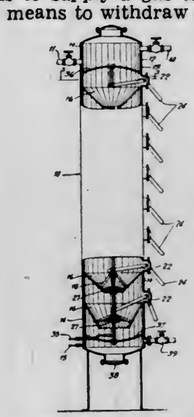
2,248,676
ELECTRIC CIRCUIT AND CONTROL FOR IRONER SHOES
Joseph W. Jensen, Berwyn, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application July 9, 1938, Serial No. 218,277
4 Claims. (Cl. 219—20)



1. The combination of an elongated ironer shoe, an electrically energized main heating unit at one end portion of said shoe, a second electrically energized main heating unit at the other end portion of the shoe, an electrically energized auxiliary heating unit at said last mentioned end portion of the shoe, said auxiliary heating unit being connected in a normally open branch of a normally closed electrical circuit including said first mentioned main heating unit, and thermally responsive means connected in said circuit of the first mentioned main heating unit and operable at a pre-determined temperature range of the shoe adjacent said means for opening said electrical circuit of the first mentioned heating unit and closing the branch electrical circuit including said auxiliary heating unit.

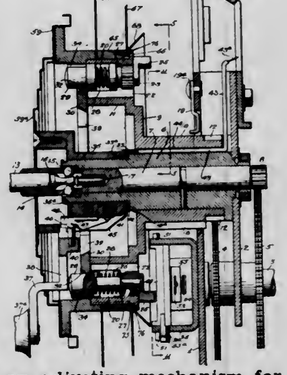
2,248,677
APPARATUS FOR COKING PETROLEUM
Reed Waldo Garman, South Pasadena, Calif.
Application June 5, 1939, Serial No. 277,438
11 Claims. (Cl. 202—102)

1. Apparatus for recovering solids from liquids comprising: a tower containing a flexible contact cone, means to supply liquid to an upper part of said tower to flow downwardly into said cone, means to supply a gas to a lower part of said tower, means to withdraw said gas from an



upper part of said tower after passage through said cone, and means to flex said cone.

2,248,678
TUNING DEVICE FOR RADIO RECEIVERS OR THE LIKE
Leo B. Glaser, Drexel Hill, and John M. Bowman, Philadelphia, Pa., and Joseph A. Briggs, Erlton, N. J., assignors, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application August 6, 1936, Serial No. 94,674
26 Claims. (Cl. 250—20)

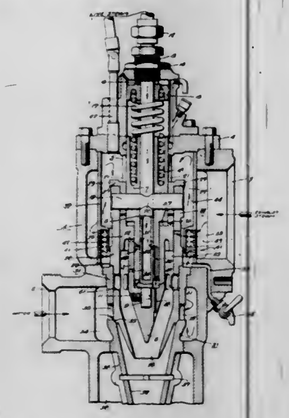


19. In an adjusting mechanism for radio receivers or the like having a tuning element, a rotary member, a plurality of selectively depressible push buttons carried by said rotary member, stop means for cooperating with a depressed push button to stop said rotary member and the tuning element in the position predetermined by the depressed push button, said stop means comprising spaced, resiliently supported cams for stopping the rotary member in the same position regardless of its direction of rotation.

2,248,679
INJECTOR
Eugene Y. Guthmann, Philadelphia, Pa.
Application November 12, 1938, Serial No. 240,161
7 Claims. (Cl. 103—265)

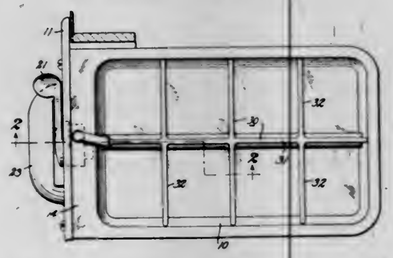
1. In a steam injector the combination with

a casing having a discharge opening and ports for admission of water and of steam from both high pressure and exhaust sources, a steam nozzle arranged for communication with said steam ports, and a draft nozzle arranged in advance of said steam nozzle for communication with the said water port, a valve member movably mounted in said casing and operative with respect to said ports and constituting thereby a common means for directly controlling passage to said nozzles of the steam and water admitted to the casing through said ports, means providing separate primary and secondary lift chambers between said valve member and relatively fixed



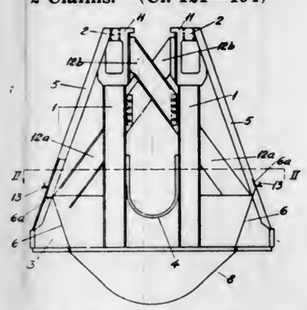
portions of the casing in which chambers fluid pressure may act to move the valve, means for initially connecting the said primary chamber with the high pressure steam port to thereby move the valve to an initial lift position providing a passage for steam from the high pressure source to the steam nozzle and admitting water to the draft nozzle, means operative in said initial lift position of the valve to connect said secondary lift chamber with the exhaust steam port whereby the steam from the exhaust source may further lift the valve to admit exhaust steam to the steam nozzle and to close the said high pressure steam passage.

2,248,680
ICE TRAY
Robert Lay Hallock, Larchmont, N. Y.
Application May 12, 1934, Serial No. 725,234
32 Claims. (Cl. 62—108.5)



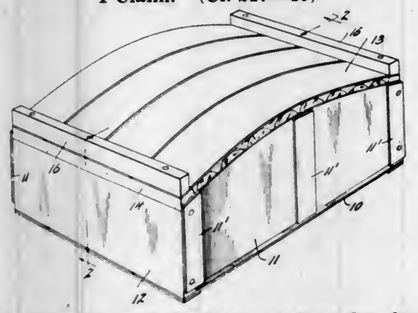
1. An ice tray comprising a tray body and a rubber division member therein, a rigid member forming part of said division member, and means for exerting force against said rigid member.

2,248,681
WELDED FRAME AND BEDPLATE FOR VERTICAL PISTON MACHINES
Torkild Valdemar Hemmingsen, Copenhagen, Denmark
Application December 27, 1938, Serial No. 248,018
In Denmark December 20, 1937
2 Claims. (Cl. 121—194)



1. A welded frame and bedplate for vertical piston machines being composed of a number of units, each unit comprising a main bearing, substantially vertical girders for transmission of the gas pressures from the cylinder to the main bearing and disposed one on either side of said main bearing, a transverse girder mainly of T-section and having its web arranged vertically adapted for affixture to the foundations and being cut-away medially to receive and secure the main bearing by welding, the lower ends of the vertical girders being welded to the sides of the vertical web of the transverse girder, and two inclined outer girders connecting the top ends of the vertical girders with the transverse girder in the vicinity of the extremities of the latter, said inclined outer girders being each welded to the transverse girder along the vertical web of the same.

2,248,682
CONTAINER
Earle C. Hulett, Jacksonville, Fla., assignor to Cummer Sons Cypress Company, Jacksonville, Fla., a corporation of Florida
Application July 6, 1939, Serial No. 283,077
1 Claim. (Cl. 217—40)



A shipping and display container for fruits and vegetables comprising, in combination, and, side, bottom and top members fabricated of wood, two transversely extending spacing cleats mounted on the upper edge surfaces of the end members respectively, said top member being arched in a continuous uninterrupted curve from end to end thereof to provide for a bulge pack, the upper surfaces of said spacing cleats being

inclined with respect to the horizontal to substantially conform to the continuous curvature of said top member, the ends of said top member overlying and closely contacting said top surfaces of the spacing cleats, top cleats overlying and closely engaging the end portions of the top member, said top cleats being of a height to permit stacking of the containers one upon the other without interference with the bulge of the top members, and fastening devices securing the cleats and end portions of the top member to the container end members, the bottom surfaces of said top cleats being inclined with respect to the horizontal to substantially conform to the curvature of said top member and the upper surfaces of said top cleats lying in a horizontal plane to facilitate the rapid application of the fastening devices and stacking of the containers, both without injury to the contents.

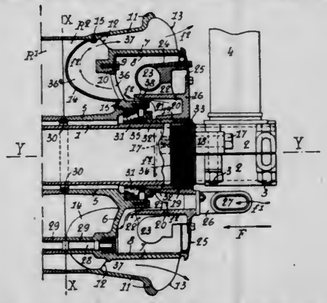
2,248,683
HAIR STRETCHING INDICATOR
Leonard D. Kroff, Sterling, Ill.
Application December 27, 1939, Serial No. 311,187
10 Claims. (Cl. 132—9)



4. A hair tensioning device comprising a tubular handle, a shaft fixed in one end thereof, a wrench journaled in the opposite end thereof and having a socket adapted to receive an end portion of a hair winding mandrel for rotating said mandrel, a coiled spring connecting the adjacent ends of the shaft and wrench for imparting turning movement from the shaft to the wrench, said handle having an enlarged hub thereon provided with peripheral graduations, a ratchet wheel fixed to the end of the handle beside said hub, a plate journaled on the wrench beside the ratchet wheel for turning movement of the handle relative thereto, a pawl pivotally supported on the plate in position for engaging the teeth of the ratchet wheel and coacting with the graduations on the hub for indicating the degree of turning movement of the handle relative to the plate, said plate having out-turned lugs adapted to embrace a hair holder for the mandrel to hold the plate in stationary position relative thereto.

2,248,684
WHEEL FOR AIRPLANE UNDERCARRIAGES OR OTHER HEAVY VEHICLES
René Lucien Levy, Montrouge, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland
Application March 25, 1939, Serial No. 264,211
In France March 29, 1938
2 Claims. (Cl. 188—264)

1. In a wheel assembly for an airplane, a fixed axle, a ring member rotatable on said axle, radial arms carried by said ring member, an annular member supported by said arms, radial ribs carried by said annular member, a rim connected to said radial ribs, an arched sheet member connected to said rim and to said ring member, a plate member secured to said axle, inwardly projecting cylindrical extensions on the inner face of the plate member forming an annular space therebetween open inside said annular



member, and means for introducing a cooling medium into said annular space whereby the cooling medium engages said annular member and passes between said radial arms and outside the rim through spaces between said radial ribs.

2,248,685
KITCHEN FORK
August John Lunz, Ponca, Nebr.
Application March 16, 1940, Serial No. 324,398
4 Claims. (Cl. 30—129)

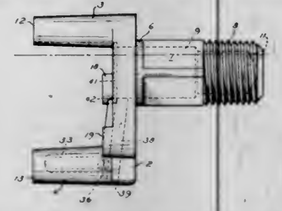


1. A kitchen fork comprising a handle, a tubular shank mounted on said handle, a head comprising a pair of spaced tines mounted on one end portion of the tubular shank, a substantially U-shaped stripper operatively mounted in the head and slidable on the tines, said stripper being substantially channel-shaped in cross section for slidably receiving the head, a rod slidably mounted in the tubular shank and connected to the stripper for actuating said stripper, and means for actuating the rod.

2,248,686
INTERNAL SIPHON FOR PRESSURE GAUGES
Bert McClelland, Perkasie, Pa., assignor to United States Gauge Company, Sellersville, Pa., a corporation of Pennsylvania
Application October 8, 1938, Serial No. 234,032
6 Claims. (Cl. 73—109)

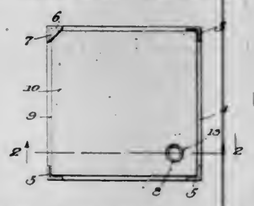
6. A pressure gauge, comprising, a socket member having a rearwardly extending nipple thereon, a Bourdon spring mounted on said socket at a point below said nipple, said socket member being provided with a bore extending into said nipple

to a point adjacent its outer end, said bore being but slightly smaller than the outside diameter of said nipple to thereby provide an enlarged trap chamber, having relatively thin walls formed by said nipple, said body being provided with a



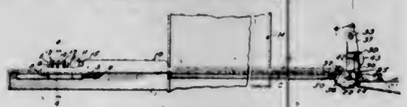
passage connecting said chamber to said Bourdon spring, and the outer end of said nipple being provided with a passage adjacent the upper portion of the chamber for connecting said chamber to a source of fluid under pressure.

2,248,687
MEANS FOR WRAPPING ARTICLES
Genzo Nakahiro, San Francisco, Calif.
Application September 28, 1940, Serial No. 358,917
8 Claims. (Cl. 93—2)



1. A device of the class described comprising a tray for receiving a stack of apertured paper wrappers, upstanding side walls intersecting to form corner pockets to receive the corners of the wrappers, and a support on the tray for receiving an article to be wrapped and positioning it relative to said stack of wrappers.

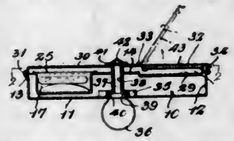
2,248,688
CANDY MAKING MACHINE
Frank Petrovic, Ottumwa, Iowa
Application April 10, 1941, Serial No. 387,971
9 Claims. (Cl. 107—4)



1. In a candy making machine having a candy receiving conveyor on which the plastic confection is deposited in a plurality of laterally spaced streams and a cooling conveyor aligned with the receiving conveyor to carry the confections away, common means for severing the streams into unit confections and spacing the confections in the direction of travel on the cooling conveyor.

2,248,689
COMPACT
Josephine A. Porter, Baltimore, Md.
Application September 21, 1940, Serial No. 357,797
3 Claims. (Cl. 132—83)

2. A compact comprising an annular receptacle having a bottom wall and a circumscribing side wall, the bottom wall having an axial inwardly disposed recess, said side wall having a circumscribing bead, an annular partition wall seated in the bead and parallel to the bottom wall, said partition having a plurality of circumferentially spaced compartments, a closure for the receptacle including a bead, complemental to the first named bead for rotatably mounting said closure, said closure having an opening



adapted to register with said compartments upon rotation of the closure, a hinged lid for the opening of the closure, said bottom wall, partition wall and said closure having aligned axial apertures, a tubular member fixed within the apertures and extended into and slightly beyond the axial recess of the bottom wall and a ring member swingably connected to a lower portion of the tubular member and movable from the recess to a position at right angles to the bottom wall for reception of a finger of the user.

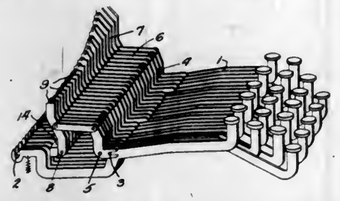
2,248,690
WOODEN SHEATHING
Nicholas Rippen, New York, N. Y.
Application December 15, 1931, Serial No. 581,137
9 Claims. (Cl. 114—84)

2. The combination of a sheathed member, sheathing thereon, a holding member having a minor thru-opening of whose ends one is disposed adjacent to said sheathed member, primary means securing said holding member to said sheathed member, and secondary means securing said sheathing to said holding member, said primary means comprising a weld deposited between said holding member and said sheathed member inside of said minor thru-opening.

2,248,691
TYPE BAR MECHANISM FOR TYPEWRITERS
Alfredo Tombolini, Milan, Italy
Continuation of application Serial No. 30,387, July 8, 1935. This application August 2, 1939, Serial No. 288,056
1 Claim. (Cl. 197—22)

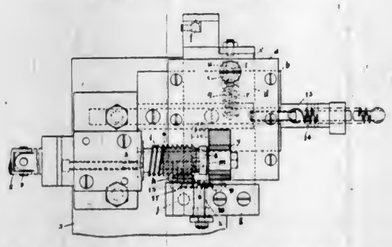
In a typewriting machine, a frame, key bars pivoted on a common axis in said frame and having keys arranged thereon in different rows, a type bar supporting segment mounted for downward case shifting movement on said frame, type bars pivoted on said segment, a straight bridge connected to said segment for downward

shifting movement therewith, vertical actuating levers mounted on said bridge and having different lengths so as to follow the supporting segment of the type bars, said actuating levers being operatively connected to said type bars, uniform horizontal tension strips arranged on the same level and connected at one end to said actuating levers, a fixed straight pivot in said frame, and bell crank levers adapted to swing about said



fixed straight pivot and having vertical arms connected to said key bars at different distances from said fixed straight pivot according to the different key rows and according to the different leverage of said actuating levers, said straight bridge and actuating levers being arranged behind the bell crank levers, and the key bars being downwardly offset to accommodate said straight bridge and fixed straight pivot and to allow downward shifting of said straight bridge.

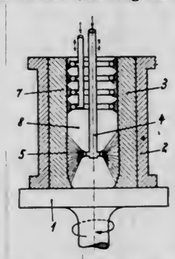
2,248,692
SCREW-THREAD CHASING MECHANISM FOR LATHES AND LIKE MACHINE TOOLS
Horace Adcock, Birmingham, England, assignor to Joseph Lucas Limited, Birmingham, England
Application February 16, 1940, Serial No. 319,349
In Great Britain February 28, 1939
9 Claims. (Cl. 82—5)



1. A screw thread chasing mechanism comprising the combination with a slide, of a tool holder carried by the slide and capable of tool-advancing and retracting movements relatively to the slide in a direction at right angles to the direction of motion of the slide, a follower mounted on the tool holder and engageable with a master screw by the tool-advancing movement of the tool holder, and an automatically operable actuating member carried by the slide and slidable in a direction at right angles to the tool holder for moving the latter relatively to the slide.

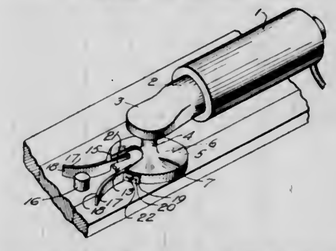
2,248,693
METHOD FOR PRODUCING HOLLOW BODIES IN CENTRIFUGAL CASTING MOLDS ROTATABLE ABOUT THE VERTICAL AXIS
Franz Bartscherer, Duisburg-Hamborn, Germany
Application March 30, 1938, Serial No. 199,000
In Germany April 2, 1937
1 Claim. (Cl. 22—212)

A method for the production of heavy hollow bodies having a relatively thick wall in centrifuging casting molds rotatable about the vertical axis with additional direct cooling of the inner wall of



the hollow body, consisting in additionally directly heating only the upper portion of the solidifying inner wall of the hollow body whilst leaving the outside of the body uninfluenced.

2,248,694
PLUG CUTTING IMPLEMENT
John C. Boyette, Tarpon Springs, Fla.
Application February 7, 1940, Serial No. 317,755
1 Claim. (Cl. 143—43)

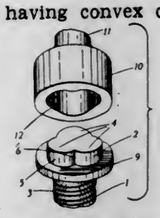


An implement for cutting the projecting portions of plugs used in boat building, comprising a handle, a saw housing carried by and depending from the handle, said housing comprising a member having an annular wall, a substantially closed top and being completely open at the bottom, the lower edge of the annular wall providing a guiding contact for the implement in use through bearing directly on the surface from which the plugs project, a shaft supported in the housing, means for operating the shaft, a saw-like cutting member carried by the shaft within the housing, the lower surface of the cutting member being coincident with the lower edge of the housing, the annular wall of the housing being formed with a relatively narrow opening, and plug-guides secured to the annular wall in substantial line with the edges of the opening and projecting outwardly and inwardly relative to the wall, the outer portions of the plug guides being relatively flared in a direction from the wall and the portions of the plug-guides inwardly of the wall overlying the cutting member to guide the severed portions of the plug.

2,248,695
SCREW HEAD
Granville Bradshaw, London, England, assignor to The Bradshaw Patent Screw Company (Foreign) Limited, London, England, a British company
Application March 13, 1939, Serial No. 261,608
In Great Britain March 17, 1938
3 Claims. (Cl. 85—45)

1. A screw having a head with at least three

lateral bosses having convex curved side walls,



the curvature of which follows an arc of an equiangular spiral.

2,248,696

METHOD OF COLORING TEXTILE FABRICS

Norman S. Cassel, Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application August 3, 1940, Serial No. 351,205

6 Claims. (Cl. 91—70)

1. The method of pigment dyeing a fabric while avoiding migration of color on drying, which comprises forcing through the fabric a pigmented emulsion containing at least about 20% of an inner aqueous phase, and an outer continuous lacquer phase, and thereafter drying the fabric.

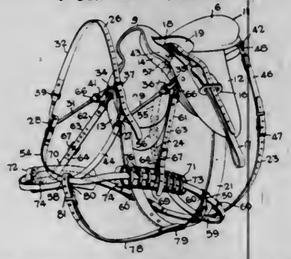
2,248,697

HARNESS

Robert L. Durham, Buena Vista, Va.

Application August 8, 1940, Serial No. 351,821

7 Claims. (Cl. 54—1)



1. The combination of a riding saddle having a girth, a pair of stay straps leading respectively from the rear portion of the saddle in generally opposite directions under the belly of a horse to which the saddle is applied, the straps crossing near said girth and respectively passing thence over the points of opposite shoulders of the horse to a second point of crossing on the breast of the horse and beyond said crossing terminating in corresponding retaining loops for an equalizing strap; and an equalizing strap connected with the forward portion of the saddle at one side, passing thence through one of said loops over the neck of the horse through the other of said loops, and thence to a point of attachment with the forward portion of the saddle at the opposite side from the first point of attachment.

2,248,698

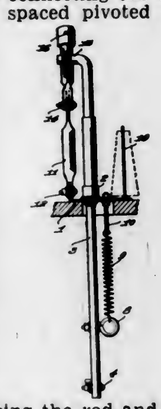
KNOT TIER

Wilbur W. Ellenbecker, Appleton, Wis.

Application December 16, 1940, Serial No. 370,406

1 Claim. (Cl. 289—17)

A knot tightener comprising a base, two spaced members pivoted at their lower ends to the base and having their upper ends formed with string guiding means, a rod vertically slidable through the base, links connecting the upper end of the rod with said spaced pivoted members, spring



means connecting the rod and base to normally elevate the rod and rock the spaced members towards each other, and pedal means for depressing the rod.

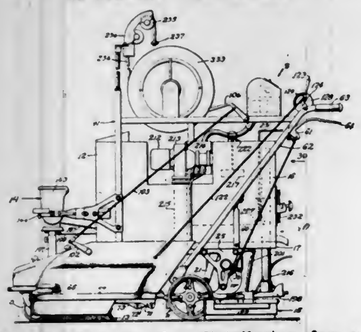
2,248,699

FLOOR SCRUBBING MACHINE

Walter S. Finnell, Elkhart, Ind., assignor to Finnell System, Inc., Elkhart, Ind., a corporation of Indiana

Application April 6, 1937, Serial No. 135,291

23 Claims. (Cl. 15—50)



3. A cleaning powder distributor for a floor scrubbing machine provided with a pair of scrubbers comprising in combination, a powder container, a delivery conduit leading from the container to each scrubber, a gate for each conduit, one of the gates being adjustable relative to its conduit to provide for a rate of flow therethrough substantially equal to the rate of flow through the other conduit, and means for simultaneously operating both gates.

2,248,700

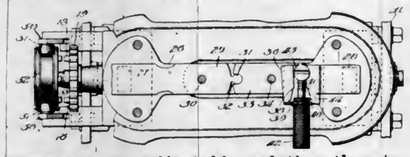
POWDER DISPENSER

Walter S. Finnell, Elkhart, Ind., assignor to Finnell System, Inc., Elkhart, Ind., a corporation of Indiana

Application December 14, 1939, Serial No. 309,125

14 Claims. (Cl. 221—136)

5. A dispenser for finely divided materials comprising a container having a pair of spaced discharge passages and arranged for gravity flow of the material to both passages, a pivoted gate for each passage, the pivots of the gates lying between the passages, the gates being interconnected midway between their pivots for simultaneous movement through equal angles, and means for operating the gates, one of the gates



having a part adjustable relative thereto and to the associated passage for establishing a desired rate of flow therethrough relative to the flow rate through the other passage.

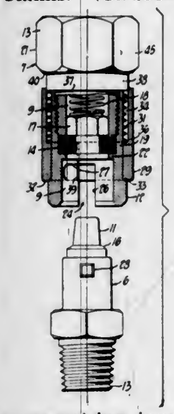
2,248,701

COUPLING

Harold W. Fowler, Goshen, Ind.

Application September 9, 1939, Serial No. 294,149

4 Claims. (Cl. 284—19)



2. A coupling comprising, inner and outer telescopically engaged tubular sections adapted for the insertion and withdrawal of one end of said inner section into and from one end of said outer section and adapted for connection of the opposite ends of said sections to fluid conduits, a spring pressed valve in said outer section normally urged to passage closing position therein and engaged and unseated by said first named inner section end on attachment of the sections to place the passages in said sections in communication with each other, a bayonet slot in said outer section including a longitudinal part extending to said first named end of said outer section and a circumferential part extending from the inner end of said longitudinal part, an outstanding lug on said inner section adapted to slide through said longitudinal slot part on attachment of said sections and to lock in said circumferential part on relative rotation of said sections in longitudinally attached position, said lug extending through the body of said outer member and from the outer periphery thereof, and means slidably carried by said outer section at the outer periphery thereof for longitudinal and engaged and displaced by said lug in movement thereof to attached position in said longitudinal slot part and formed with a longitudinal keyway positioned to register with and engage over said lug locking the same against rotative movement relative to said outer section upon movement of said lug into said circumferential slot part.

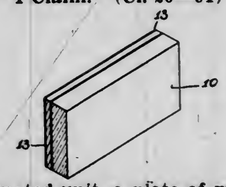
2,248,702

LAMINATED WOOD-GLASS PRODUCT

John H. Fox, Pittsburgh, Robert A. Miller, Tarentum, and William O. Lytle, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application June 7, 1938, Serial No. 212,262

1 Claim. (Cl. 20—91)



In a laminated unit, a plate of wood having a plate of glass on one side thereof and a metallic plate on the other side thereof, a layer of transparent adhesive resin between the wood and glass plates, to secure the latter together in rigid relation, and a layer of adhesive resin between the wood and metallic plates to secure the latter plates together in rigid relation.

2,248,703

INDEX DIGEST

Joseph Friedman, New York, N. Y.

Application January 26, 1940, Serial No. 315,639

4 Claims. (Cl. 283—63)



1. For digesting and indexing the contents of a publication, in combination, a publication, a page in the publication sub-divided into rectangular card units, each card unit carrying a digest and identifying information of an article in the publication, said page being adapted to be separated into the individual cards thereof to be used in a card index system, a rear sheet for each card, separable therewith, secured on the card around three of its marginal portions, the fourth one being left open to provide a pocket on the rear of each card for collecting further material relating to the matter digested on the respective card.

2,248,704

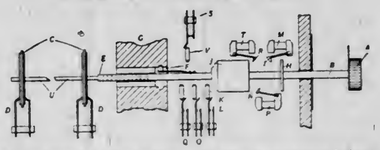
RAILWAY SIGNAL AND/OR POINTS CONTROL SYSTEM

John Balmain Griffiths and Andrew Brown, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application March 14, 1939, Serial No. 261,700

In Great Britain March 15, 1938

5 Claims. (Cl. 246—134)



1. A railway signaling system comprising, in combination, a control panel, a plurality of route selecting devices mounted upon said panel for

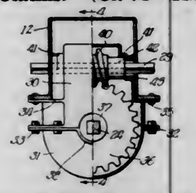
selecting and controlling predetermined routes, each route selecting device including a control element mounted for rotary movement to select desired routes and being movable axially to set-up a selected route, rotary route selecting switches controlled by the rotary movement of each control element, means for restricting the axial movement of at least one control element to a first position short of the position required to set-up a selected route, switch means having contacts operable to closed position by said one control element in moving to said first position, means for releasing said restricting means to permit further axial movement of said one element, and a circuit for energizing said releasing means including in serial circuit relation the contacts of said switch means, the contacts of a rotary switch controlled by said one control element, and contacts of a rotary switch controlled by a second control element of another route selecting device, said last named contacts being closed only when said second control element is in a predetermined rotary position corresponding to a route which does not conflict with the route selected by said one control element.

2,248,705
PILOT WIRE NEUTRALIZATION
Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 8, 1938, Serial No. 212,451
19 Claims. (Cl. 171—97)



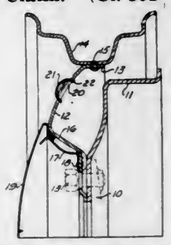
1. In a system of the type described, a pilot wire system, and means, cooperating therewith, for reducing the effects of extraneously-produced in-phase voltages in said wire system, comprising impedances for each wire of said wire system for substantially neutralizing said voltages, each said impedances having series leading and lagging back-voltages, due to induced current-flow to ground, and said wire system having terminal apparatus connected to intermediate points of said impedances at which the sum of leading and lagging voltages approaches ground potential.

2,248,706
GEARING DEVICE
David Hindahl, Chicago, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a corporation of Maine
Application June 3, 1940, Serial No. 338,504
6 Claims. (Cl. 74—412)



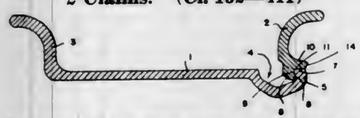
1. In a gearing device, in combination, a frame member including at least two sections forming a unitary article when connected, one section having aligned openings in opposite end walls and an approximately semi-circular bearing provided by said section adjacent each end opening and which are concentric with said openings, a worm journalled by said semi-circular bearings, said worm having an axial opening therethrough to receive a shaft extending through the aligned openings for non-rotatably connecting the shaft with the worm, said other section providing approximately semi-circular bearings in opposite side walls thereof and which form aligned openings with the first mentioned section when in connected relation therewith, said last mentioned aligned openings coinciding with the bearings provided by said other section, and a worm wheel journalled by the bearings of said other section and having hub portions extending through said aligned openings.

2,248,707
VEHICLE WHEEL
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application July 8, 1937, Serial No. 152,483
1 Claim. (Cl. 301—6)



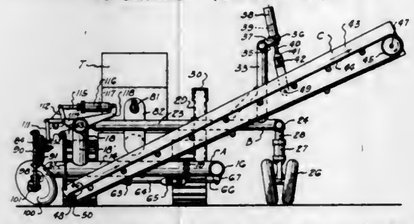
A vehicle wheel comprising, in combination, a wheel body of the pressed metal disk type having an opening therethrough, and a cover for a portion of said opening, said cover including an imperforate outer wall overlying at least a portion of the opening and having a peripheral flange extending toward the wheel and partially surrounding said opening, whereby to form with said opening a passage for air through said wheel, said cover having means thereon for removably attaching same to the wheel body and being adapted for attachment to said wheel body in either of two angularly opposed positions, said means comprising a plurality of tongues integral with said peripheral flange and engaging the wheel body at the edges of said opening, said cover being adapted to induce the flow of air through said opening in either position in which said cover is mounted.

2,248,708
RIM
Emil R. Jacobi, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 8, 1939, Serial No. 272,530
2 Claims. (Cl. 152—411)



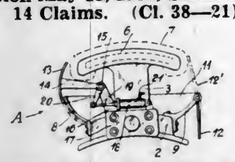
1. A wheel rim, comprising an endless rim base having a wall and a detachable endless tire retaining flange having an internal diameter less than the external diameter of the wall, the flange being provided with a forwardly extending lateral portion radially outwardly of and engaging the periphery of the wall and the lateral portion having a front beveled face adapted to engage and ride over the wall when the flange is being moved forwardly relative to the base to thereby position the former on the latter.

2,248,709
ELEVATING GRADER
James B. Jarmin, Dallas, Tex., assignor to Servis Equipment Company, Dallas, Tex., a corporation of Texas
Application May 20, 1940, Serial No. 336,149
19 Claims. (Cl. 37—110)



1. An elevating grader including, a main frame arranged to be attached to a prime mover, means for connecting said frame to the prime mover so that said frame is incapable of movement in a lateral plane relative to said prime mover, a subframe overlying a portion of the main frame and having one end pivotally secured to the main frame and capable of independent movement in a vertical plane with respect to said main frame, an inclined conveyor suspended from the subframe, and a grader element mounted on the main frame for removing dirt from the earth's surface and directing the same onto the conveyor.

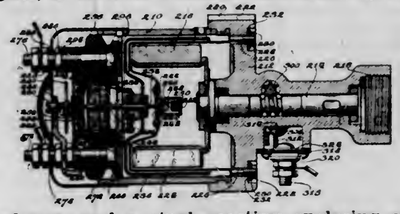
2,248,710
LAUNDRY PRESSING MEMBER
Leo M. Kahn and Frank J. Kahn, New York, N. Y.
Application May 13, 1937, Serial No. 142,345
14 Claims. (Cl. 38—21)



3. In a press of the character described comprising a head and a work-receiving buck, a unitary buck and pressing element comprising a work support, a pressing chamber, means for continuously maintaining in spaced relation said support and said chamber, means positioned between said support and said chamber and comprising table-like means extending beyond the edges of said support and substantially completely around said support for engaging work overhanging from said support and maintaining said work from contact with said chamber, and means movable into and out of engagement with said work support for holding work to be pressed firmly thereupon.

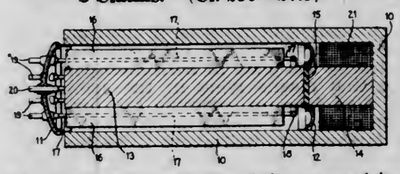
2,248,711
SENDING UNIT FOR ELECTRIC SPEEDOMETERS
Arden W. Le Fevre, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 2, 1936, Serial No. 103,748
14 Claims. (Cl. 201—48)

1. In a sending unit for electric speedometers, the combination of a magnet shaft, a magnet driven thereby, a speed cup associated with said magnet, a variable rheostat controlled by said



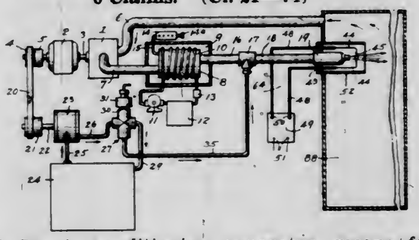
speed cup, and a single casting enclosing said shaft, magnet, speed cup and rheostat, and forming a field plate for said magnet.

2,248,712
MAGNETIC CONTROL VACUUM TUBE
Charles V. Litton, Redwood City, Calif., assignor to Mackay Radio and Telegraph Company, New York, N. Y., a corporation of Delaware
Application March 20, 1940, Serial No. 324,925
5 Claims. (Cl. 250—27.5)



2. A radial-type vacuum tube comprising a tubular anode of magnetic material, means for sealing one end of said anode, a member of magnetic material having an external diameter smaller than the internal diameter of said tubular anode and positioned within said anode, means for sealing said member to said anode, both of said sealing means and at least a portion of said anode forming a chamber and at least a portion of said member being within said chamber, electron emissive means encircling said member, control electrode means disposed outside the normal path of electron flow from said electron emissive means and said anode for controlling the flow of electrons from said emissive means to said anode, and means for producing a magnetic field between said member and said anode, said field being in the direction of said electron flow and preventing diversion of said electrons from said normal path.

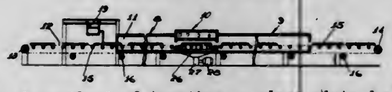
2,248,713
MEANS FOR AIR CONDITIONING
Frank W. Locke, Portland, Oreg.
Application June 20, 1938, Serial No. 214,701
6 Claims. (Cl. 21—74)



1. In air conditioning apparatus, means for treating the air in a chamber comprising air circulating and recirculating mechanism adapted to withdraw continuously a portion of the air in said chamber and reintroduce it; means for pro-

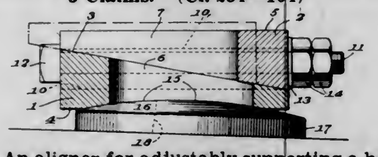
ducing a jet of said air directed into said chamber; a pair of electrodes arranged adjacent but to the sides of the jet thus produced; an electric circuit connected to said electrodes; means for impressing across said electrodes an electrical potential sufficiently high to produce a continuous flaming arc extending across the path of said jet; and means for accelerating the air of said jet to such a velocity as to change said flaming arc to a quenched arc which is adapted to form, be extinguished, and to reform at high frequency.

2,248,714
METHOD OF TREATING COLORED GLASS SHEETS
William O. Lytle, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 18, 1937, Serial No. 180,544
9 Claims. (Cl. 49—89)



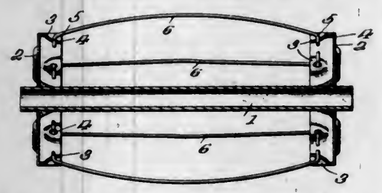
1. A method of treating a glass plate having a coating layer on one face, which consists in positioning the plate in horizontal position upon supporting means lying in the common plane with such face up, exposing the upper surface of the plate to a source of heat which brings it to a temperature well above the softening point thereof, and causes a fusion of said layer to the plate, and at the same time cooling the lower face of the plate to a temperature substantially below that of the upper face.

2,238,715
ALIGNER
Guy Mafera, Revere, Mass.
Application June 13, 1940, Serial No. 340,303
3 Claims. (Cl. 254—104)



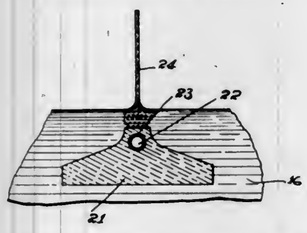
1. An aligner for adjustably supporting a heavy object in desired position relative to a supporting surface, said aligner comprising superimposed first and second wedge members having top and bottom surfaces and having their mutually contacting surfaces inclined to maintain said top and bottom surfaces in parallel, adjusting means in engagement with each of said members to effect relative movement therebetween to vary the overall thickness of the aligner as desired, and a leveling member in contact with one of said wedge members and having a face for contact with said supporting surface or the object to be supported, one of the contacting surfaces of said last named members being spherically concave and the other of said surfaces being convex to establish complemental portions providing an adequate bearing during limited universal relative adjustment of said leveling member and said wedge member to bring the object supporting surface of said aligner into a desired plane said leveling member having a central aperture axially of its spherical complemental portion and adapted to receive a vertical object contacting bolt for anchoring the object in its adjusted position relative to said plane.

2,248,716
ARBOR FOR SPOOLS OR THE LIKE
George B. Markle, Jr., Hazleton, Pa.
Application April 20, 1940, Serial No. 330,792
8 Claims. (Cl. 242—46.6)



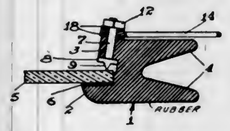
3. In an arbor of the kind described, the combination of a tubular metal core, apertured flanged metal heads secured on said core, bowed wires connecting said heads having their end portions extending through the apertures of said flange and means formed on the ends of said wire for securing said wires in bowed position between said heads.

2,248,717
PREPARATION OF SHEET GLASS
Arthur D. Nash, Sewickley, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application December 3, 1937, Serial No. 177,885
2 Claims. (Cl. 49—83.1)



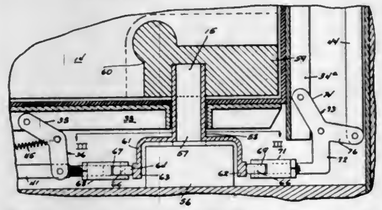
1. A method of forming a glass sheet which consists in drawing it continuously from a molten bath and liberating steam into the glass bath beneath and along the line of draw of the sheet during the drawing operation.

2,248,718
CONNECTOR CLIP
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 1, 1939, Serial No. 265,534
1 Claim. (Cl. 173—324)



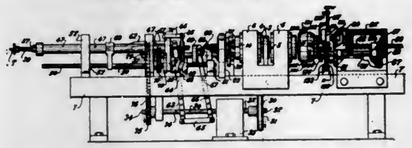
A connector clip comprising a rubber base portion provided with a pair of forwardly-projecting work-gripping jaws integrally formed therein and normally retained in converging relation, one of said jaws being of a greater length than the other and being provided with a grooved inner surface, a metal contact carried by the second jaw and means for opening the clip to facilitate its positioning.

2,248,719
SEALING MEANS FOR THE EDGES OF SWINGING DOORS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application February 6, 1940, Serial No. 317,516
5 Claims. (Cl. 20—68)



1. The combination of a door frame, a door mounted to swing upon a pintle in the frame, said frame having a channel formed therein, in proximity to an edge of the door, a sealing bar disposed in the channel, means to project the bar laterally toward the edge of the door and to retract it therefrom, a cam carried by the door and being disposed in concentric relation with respect to said pintle, a follower carried by the door frame and engaging the cam and means operatively interconnecting the follower and the first-mentioned means, whereby upon opening of the door the bar is retracted from the edge of the door and upon closing of the door the bar is again projected into proximity to said edge.

2,248,720
METHOD OF AND APPARATUS FOR FORMING BEADED TUBULAR ELEMENTS
Anton A. Pruckner, Norristown, Pa., assignor to Superior Tube Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 15, 1938, Serial No. 224,928
22 Claims. (Cl. 153—2)

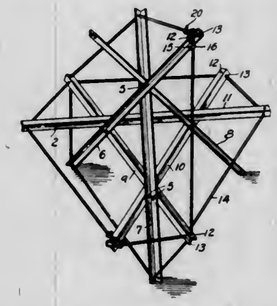


1. The method of beading a tube which comprises gradually bending a piece of metallic tubing intermediate its ends to build up a bead of predetermined size and shape adjacent the bend, and externally holding and rotating each of the two sections of the bent tubing each about its own axis to form a peripheral bead adjacent the bend in the tubing.

9. A machine for beading tubes comprising a rotatable member for holding a piece of tubing to effect axial rotation thereof, cam structure movable to engage the end of the section of tubing projecting therefrom and bend it out of the axis of rotation, and structure for preventing rotation of the bent projecting section of tubing except about its own axis to form a bead at the bend in the tubing.

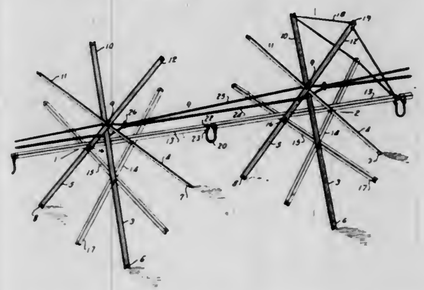
2,248,721
JETTY
George W. Rehfeld, Manhattan, Kans.
Application November 7, 1938, Serial No. 239,260
2 Claims. (Cl. 61—3)

1. A jetty of the character described comprising a plurality of interconnected angle irons provided with flanges having openings in selected flanges, and a substantially rigid rod threaded



through selected openings and having bent portions closely engaged with the edges of said openings to limit movement of the rod relative to said angle irons.

2,248,722
JETTY SETTING
George W. Rehfeld, Manhattan, Kans.
Application April 24, 1939, Serial No. 269,667
3 Claims. (Cl. 61—3)



1. A jetty setting of the character described, including a plurality of jetties each composed of bars arranged in tripod form and connected together, transverse bars arranged in substantially triangular formation and connecting the tripod bars, said jetties each having one of its transverse bars arranged in end-to-end initially approximate alignment, the ends of the aligned transverse bars being sufficiently close to each other to form substantially a continuous metallic structure throughout the jetty setting, flexible means connecting the end of said aligned bars, and an anchoring line connecting the jetties and extending throughout the entire length of the jetty setting in substantial parallelism with the aligned transverse bars and cooperating with the same to form two continuous longitudinal debris holding members extending the entire length of the jetty setting.

2,248,723
STRIP FOR ROOFING
William B. Robinson, Sayville, N. Y.
Application March 12, 1937, Serial No. 130,462
3 Claims. (Cl. 108—8)

1. A roofing strip comprising a base, a slate sheet on said base, and a waterproof layer between said base and slate having its upper edge

turned over the upper edge of said slate, said base having a notch along its lower edge into



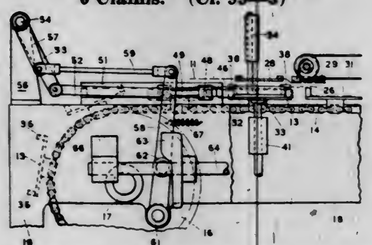
which the edges of a slate and waterproof layer of a corresponding strip may extend.

2,248,724

WRAPPING OF CIGARETTES OR OTHER ARTICLES

Alfred German Rose, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company

Application March 30, 1940, Serial No. 326,978
In Great Britain April 6, 1939
6 Claims. (Cl. 93—3)



1. Apparatus for wrapping cigarettes or other articles of the type in which a movable conveyor provided with a series of open-sided pockets is driven in synchronism with a wrapper-feeding device to present a pocket to said device for each wrapper that is fed, comprising means for pressing the wrapper into the pocket with the opposing side flaps of the wrapper protruding from the open sides of the pocket, retaining means arranged to hold the wrapper in the pocket during the withdrawal of the pressing means, and means operating in timed relation to the pressing means to move the retaining means into a position on top of the protruding side flaps of the wrapper while the wrapper is held in the pocket by the pressing means.

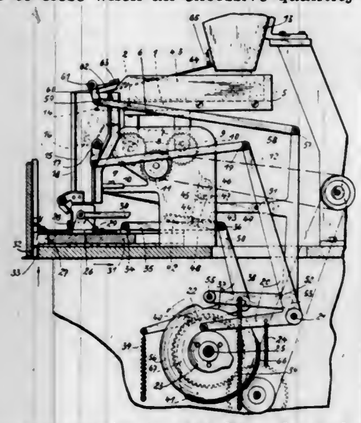
2,248,725

TOBACCO FEED REGULATING DEVICE

Franz Heinrich Benno Stelzer and Herbert Rudolf Kasper, Dresden, Germany, assignors, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands

Application August 20, 1938, Serial No. 225,968
In Germany August 26, 1937
5 Claims. (Cl. 131—21)

1. A device of the character described comprising means for feeding tobacco, plate means for controlling the delivery of tobacco from said means, cam actuated means for opening and closing said plate means, a filler forming device comprising a forming channel and a reciprocable presser, said forming channel having an opening therein communicating with said tobacco feed, and means coordinating said cam actuated means with said presser whereby to permit said plate to close when an excessive quantity of to-



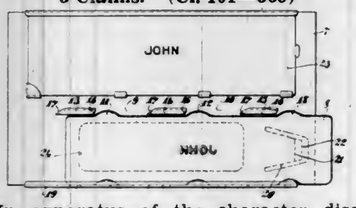
bacco accumulates in said filler channel and to retain said plate open when a smaller quantity of tobacco is present in said channel.

2,248,726

ADDRESS PLATE

Henry C. Stoll, Bronx, N. Y.

Application April 16, 1940, Serial No. 329,947
5 Claims. (Cl. 101—369)



5. In apparatus of the character disclosed, the combination of a support having opposed channels forming a guideway, one of said channels being of short length as compared with the opposite channel, a printing plate engageable at one edge in said longer channel and having a projection at the opposite edge to engage within said shorter channel, cooperating stop shoulders on said shorter length channel and plate projection and a releasable spring catch for retaining the plate in position with said stop shoulders so engaged, said spring catch projecting forwardly on the frame in position engaging the back of the printing plate resting in the longer channel and rocking the same forwardly when the projection on said plate is freed of the shorter channel.

2,248,727

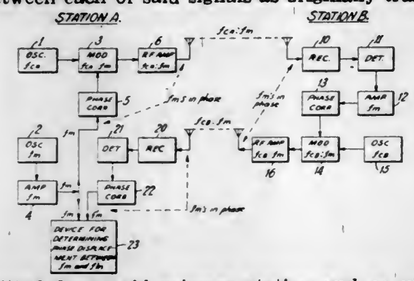
SIGNALING SYSTEM

Howard M. Strobel, Allegany, N. Y.

Application December 9, 1939, Serial No. 308,338
7 Claims. (Cl. 250—2)

1. The method of measuring distance which comprises simultaneously transmitting a plurality of signals of preassigned constant frequency from a primary station, said signals differing in frequency by successive multiples of ten of the lowest fundamental signal frequency of the group, receiving said signals at a secondary station, amplifying and retransmitting said signals from said secondary station, receiving said signals

at said primary station, adjusting to known values all phase displacements of each of said signals due to translation of said signals through apparatus, determining the total phase displacement between each of said signals as originally trans-



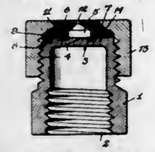
mitted from said primary station and as ultimately received thereat, and determining the propagation phase displacement for each of said signals by subtracting from said total phase displacement determination said apparatus phase displacements.

2,248,728

OIL BURNER

Mark Strosk, Washington, D. C.

Application November 10, 1939, Serial No. 303,758
4 Claims. (Cl. 299—120)



1. An oil burner of the character described including a burner body having an oil inlet at one end, a flat top plate integral with the opposite end of said body and provided with a plurality of oil outlets and a notch at the periphery depending from the upper surface, a nozzle block having a flat bottom fitting flatwise against the upper surface of said flat top plate, said block having a central oil outlet in free communication with said oil outlets and an abutment at the periphery depending from the flat bottom positioned to fit into said notch for preventing independent rotary movement of the block, and means for clamping said nozzle block in functioning position.

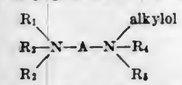
2,248,729

QUATERNARY ALLSYLOL POLY-AMMONIUM COMPOUNDS AND PROCESS FOR PRODUCING THEM

Heinrich Ulrich and Ernst Ploetz, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

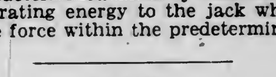
No Drawing. Application March 18, 1939, Serial No. 262,782. In Germany September 26, 1934
10 Claims. (Cl. 260—584)

3. The process of producing quaternary ammonium compounds which comprises causing an alkylene oxide to react with an amine corresponding to the general formula



(wherein R_1, R_2, R_3, R_4 and R_5 stand for radicles selected from the class consisting of lower alkyl and hydroxy lower alkyl radicles and A stands for a member of the group consisting of divalent aliphatic saturated hydrocarbon radicles, divalent aliphatic saturated hydrocarbon radicles interrupted by oxygen atoms and divalent aliphatic saturated hydrocarbon radicles interrupted by tertiary amino groups) in an aqueous medium the pH-value of which is between about 8 and about 9 at the beginning of the reaction.

10. Quaternary ammonium compounds corresponding to the general formula



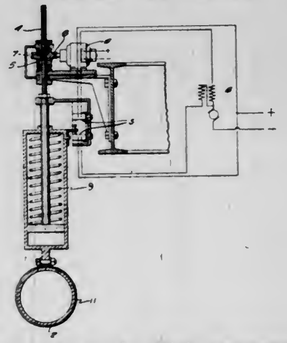
wherein X stands for an anion, Y for a radicle selected from the class consisting of lower alkyl and hydroxy lower alkyl radicles and A stands for a radicle selected from the class consisting of divalent saturated aliphatic hydrocarbon radicles, divalent aliphatic saturated hydrocarbon radicles interrupted by oxygen atoms and divalent aliphatic saturated hydrocarbon radicles interrupted by tertiary amino groups.

2,248,730

SUPPORT DEVICE

Joseph Kaye Wood, Bronx, N. Y., assignor to General Spring Corporation, New York, N. Y., a corporation of New York

Application September 23, 1938, Serial No. 231,303
8 Claims. (Cl. 248—54)



1. A pipe hanger for high temperature, high pressure piping adapted to maintain a predetermined supporting force through a limited range of movement induced by thermal expansion and contraction, which comprises a jack for extending or retracting the length of the hanger between the pipe line and a fixed anchor, means for actuating said jack, means actuated by a change in load for controlling the operation of said jack actuating means to vary the length of the hanger between the pipe line and the fixed anchor when the force between them is varied beyond predetermined limits by controlling a supply of operating energy to the jack whereby to restore the force within the predetermined limit.

2,248,731

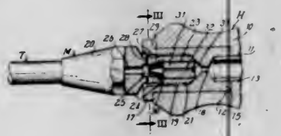
GAS MIXER

Lloyd W. Young, Scotch Plains, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia

Application August 4, 1937, Serial No. 157,321
16 Claims. (Cl. 158—27.4)

1. In a gas mixer including a chamber, a first

gas passage, and a second gas passage opening into said chamber: an injector communicating with said first gas passage and arranged to discharge gas into said chamber, said injector com-



prising a nozzle having an orifice and being formed of an elastic material deformable in response to pressure exerted thereon to vary the cross-sectional area of said orifice directly in accordance with the pressure.

2,248,732

PROCESS FOR THE HARDENING OF STEEL

Carl Albrecht and Klaus Bonath, Kronberg in Taunus, Germany, assignors to Deutsche Gold- und Silber-Scheideanstalt, Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application May 1, 1940, Serial No. 332,844. In Germany May 16, 1939

4 Claims. (Cl. 148—15)

1. A process for the hardening of steel which comprises heating steel articles in a fused salt bath composed essentially of compounds of alkali and alkaline earth metals together with 1 to 10% by weight of alkali metal cyanide at a temperature of 700 to 1000° C. and quenching the so heated articles in a fused salt bath containing at least one alkali metal nitrate at a temperature of about 150 to 500° C.

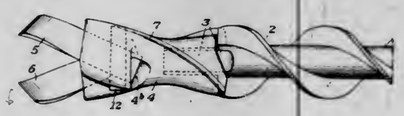
2,248,733

DETACHABLE BIT FOR COAL AUGERS AND THE LIKE

Cecil R. Anderson, Pittsburgh, Pa., assignor to The Martin-Hardsocg Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 12, 1939, Serial No. 284,016

10 Claims. (Cl. 255—69)



10. An attachment for the ends of earth boring drill bits comprising a body member having two pockets entered into it from an end face thereof, the pockets being of rectangular cross section and terminating at shoulders formed at the inner ends of said pockets by a portion of said body, said pockets being operated by an interfitting partition forming a part of said body, a cutter bit having a shank of rectangular cross section entered into each pocket and having its inner end abutting against the shoulder at the end of the pocket, and means passing through said partition and engaging the shanks of both cutters and applying a pressure against the shanks of said cutters normal to the face of the shank which is contacted thereby, thereby tending to press the bits laterally against the walls of the pockets to retain them in place and restrain them from vibrating.

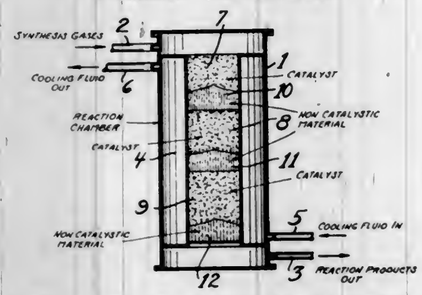
2,248,734

MANUFACTURE OF HYDROCARBON PRODUCTS BY HYDROGENATION OF OXIDES OF CARBON

Frank T. Barr, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 12, 1940, Serial No. 340,061

7 Claims. (Cl. 260—449)



1. Process for the removal of heat from an exothermic reaction conducted in the presence of a catalyst which comprises passing the reacting gases through a plurality of alternate zones containing catalyst which promotes said reaction and non-catalytic material situated within a reaction chamber, removing heat of reaction through the walls of said reaction chamber, whereby a temperature gradient across the path of the flowing gases is prevented.

2,248,735

METHOD OF PRODUCING SPONGE IRON AND REDUCING AGENT THEREFOR

Joseph E. Batie, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

No Drawing. Application January 15, 1940, Serial No. 313,988

7 Claims. (Cl. 75—33)

1. A reducing agent for low temperature reduction of iron oxide comprising a finely divided mixture of approximately 100 parts of coke breeze and 8 parts of potassium nitrate.

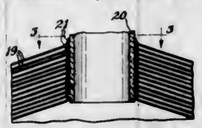
2,248,736

GARMENT BAG HOLDER

Fredrick C. Bauer, Seville, Ohio

Application May 11, 1938, Serial No. 207,286

2 Claims. (Cl. 206—65)



1. In a device of the character described a package of nested garment bags, each bag having a central aperture in its closed end, a tube disposed longitudinally relative to the bags and located through the apertures of all of the bags in the package, and tabs extending into said apertures for detachably connecting each bag to the tube independently of the other bags.

2,248,737

PILOT CONTROL

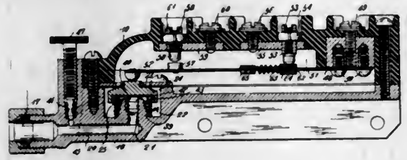
Vilynn O. Beam, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio

Application October 21, 1938, Serial No. 236,215

2 Claims. (Cl. 158—115)

1. In a control system for gas burners, pilot

valve means comprising two seats each controlling a portion of the flow through the valve means, said valve means comprising also seat closure means serving when in one position to en-



gage one of said seats and when advanced a further small increment to engage also the other of said seats, whereby a full or a partial flow of gas to the pilot may be effected or the flow cut off entirely.

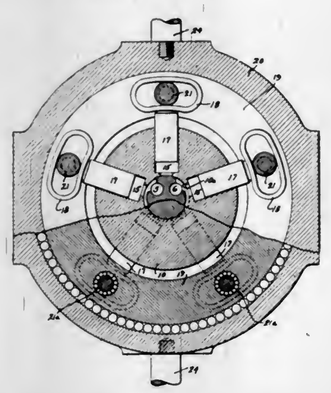
2,248,738

HYDRAULIC PUMP OR MOTOR

Elek K. Benedek, Bucyrus, Ohio

Original application November 20, 1935, Serial No. 50,671. Divided and this application November 20, 1939, Serial No. 305,395

8 Claims. (Cl. 103—161)



3. In a rotary radial piston pump or motor, a rotatable barrel having a plurality of radial cylinders, valve means for the cylinders and a rotary reactance in eccentric relation to the barrel and surrounding the same, radial guide means on the barrel, heads on the pistons reciprocable in and guided by said guideways, arcuate operating ways in the heads, load transmitting rollers rotatably mounted at the ends in said reactance means and in rolling engagement with the operating surface of said ways.

2,248,739

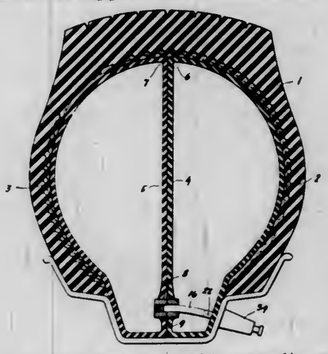
TIRE

Benjamin Howard Benson and Bernard E. Mendelsohn, Brookline, Mass.

Application January 15, 1940, Serial No. 313,819

9 Claims. (Cl. 152—341)

1. In a pneumatic tire casing, inner tube means comprising a pair of twin tubes having abutting central walls, means providing a communicating passage between said central walls near the base of the tubes, said communicating passage extending from the wall of one of said tubes closely adjacent to the base thereof across said tube to the opposite wall thereof, and a valve



situated in the base of said opposite wall and connected to said communicating passage.

2,248,740

MANUFACTURE OF HYDROGEN CHLORIDE AND ALKALI SULPHATE

Osborne Bezanson, Woburn, Mass., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application November 18, 1936, Serial No. 111,351

11 Claims. (Cl. 23—50)

1. The process of producing mixed crystals composed of alkali chloride and alkali acid sulphate which comprises mixing substantially water free sulphuric acid with alkali chloride in a molar ratio of 1:2 and permitting the resulting mixture to react to evolve hydrogen chloride gas and to form a substantially homogeneous solution which crystallizes to a substantially dry mass.

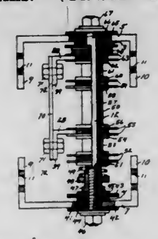
2,248,741

RESISTANCE UNIT

Lynn S. Burgett, Euclid, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio

Application January 13, 1939, Serial No. 250,778

4 Claims. (Cl. 201—63)



1. In a resistance unit, a pair of spaced side rails, a rod extending through aligned perforations in the rails, means securing one end of the rod to a rail said means comprising a head on the rod outwardly of the rail and an exteriorly threaded thimble internally threaded on the rod inwardly of the rail and clamping the rail between the head and thimble, an opposite head on the other end of the rod outwardly of the other rail, an insulation tube on the rod extending from the thimble through the said other rail to the opposite head, resistance carrying elements, insulators and resistance terminals embracing the tube in alternate relation and means threaded

exteriorly on the thimble to force the resistance carrying elements, insulators and terminals to slide on the tube toward the said other rail and the said other rail to slide on the tube and against the said opposite head.

2,248,742

PIPE CLEANING APPARATUS

Charles H. M. Burnham, Kansas City, Mo., assignor to Panhandle Eastern Pipe Line Company, Kansas City, Mo., a corporation of Delaware

Application May 6, 1939, Serial No. 272,190
9 Claims. (Cl. 15—104.06)



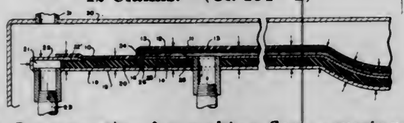
8. In a pipe cleaning apparatus of the character described, a body section, a plurality of leaf springs radially arranged about the forward end of said body section, the springs being fixed at their forward ends to said section and extending rearwardly therefrom in laterally diverging relation to said section, rollers mounted on said springs in angular relation to the longitudinal axis of said section intermediately of the ends of said springs, deflecting vanes mounted diagonally on said section between said springs, outwardly expansible leaf springs fastened near the rear of said section and extending rearwardly therefrom, wiping elements on the outer ends of said springs, a circular ring disposed about said wiping element springs, tie rods rigidly connecting said ring with said section to limit expansion of said wiping element springs, a diaphragm mounted on said section at the rear end thereof, said diaphragm having an outer resilient edge of less diameter than a pipe into which the device may be inserted for passing and impeding passage of motive fluid medium from the rear to the front of said apparatus and for allowing the fluid to be acted upon by said vanes, and leaf springs mounted on and extending rearwardly outwardly relative to said body section.

2,248,743

APPARATUS FOR MANUFACTURING FLOOR MATS

Don Fremont Collins, Pontiac, Mich., assignor to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan

Original application October 16, 1939, Serial No. 299,729. Divided and this application April 29, 1940, Serial No. 332,341
12 Claims. (Cl. 154—1)



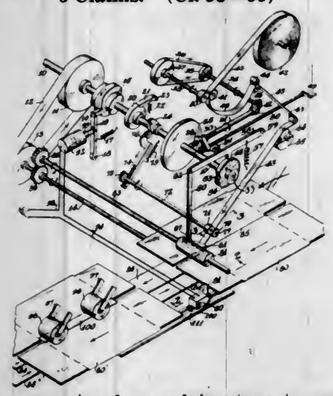
1. In apparatus for making floor coverings, a form adapted to support a covering sheet of vulcanizable stock and a sheet of pile fabric with the undersurface of the base portion of the fabric contacting the adjacent surface of the stock and with the pile extending toward the form, means for applying a fluid under pressure on the exposed face of the stock to urge both the latter and pile fabric toward the form, and means for applying an opposing fluid under pressure on the pile side of the fabric sheet to prevent matting of the pile against the form under the pressure of said first mentioned means.

2,248,744

TAPING MACHINE

Harry L. Cohen, New York, N. Y., assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York

Application March 30, 1938, Serial No. 198,979
6 Claims. (Cl. 93—56)



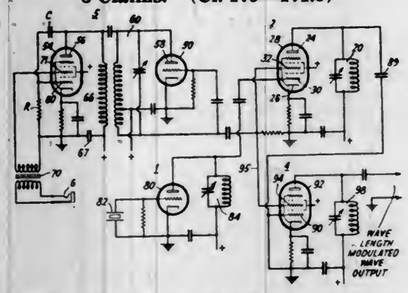
1. In apparatus for applying tape to successive moving cartons, means for feeding the tape, means for applying the tape and means for cutting off lengths of tape, electromechanical means for cyclically initiating said operations, comprising a member set in the path of the cartons having a projecting portion arranged to be abutted by the forward edge of a carton and be removed from the carton path, said member being spring biased towards abutting position for automatic resetting between passage of the cartons, said cutting means being operable upon the completion of the tape feeding and applying operations and comprising a blade, spring biased toward cutting position; said blade being retained in normally open position against the bias of the spring; said electromechanically operated means effecting the release of said blade from said retaining means; said blade being immediately reset for the next cutting operation.

2,248,745

PHASE MODULATION

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 12, 1941, Serial No. 378,517
8 Claims. (Cl. 179—171.5)



1. The method of converting wave length modulation having predominantly the characteristics of frequency modulation into wave length modulation having predominantly the characteristic of phase modulation which includes the steps of, beating a wave length modulated wave

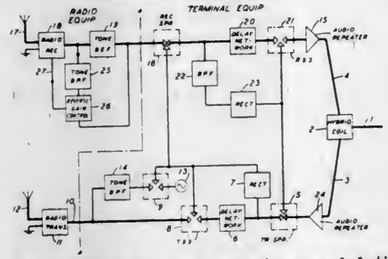
with a wave of substantially fixed frequency to derive other correspondingly modulated wave energy, passing said other wave energy through a path the electrical length of which varies with wave length variations of said other wave energy, and beating the wave energy passed by said path with said first mentioned wave length modulated wave energy.

2,248,746

SIGNAL WAVE TRANSMISSION SYSTEM

Kingsbury H. Davis, Closter, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 22, 1940, Serial No. 325,341
6 Claims. (Cl. 178—44)



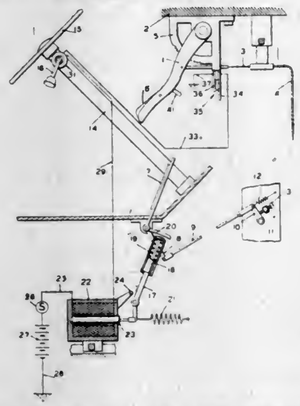
1. The method which comprises modulating a carrier wave simultaneously by two different electromotive forces, transmitting the modulated wave over a variable attenuation path, thereafter subjecting the modulated carrier wave to a receiving and detecting operation while controlling the volume of the detected energy in accordance with the strength of the received carrier wave, selecting one of the two different modulations from the detected wave and subjecting the selected modulation to a gain control operation which is the reverse of that experienced in the detecting operation by virtue of the automatic volume control whereby the selected modulation remains relatively unaffected by the volume control operation.

2,248,747

INTERLOCKING MECHANISM

Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application January 29, 1940, Serial No. 316,112
9 Claims. (Cl. 192—3)



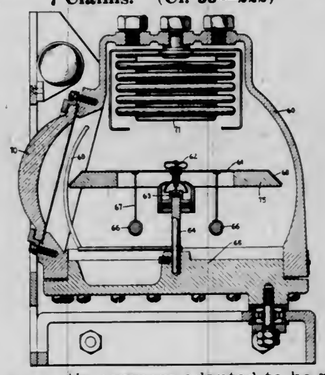
1. In apparatus of the class described, a gear shifting mechanism, a brake control mechanism, an operator-controlled accelerator mechanism, means governed by the brake control mechanism when in an operative position for preventing normal operation of the accelerator mechanism, and means operable by the gear shifting mechanism when in a neutral position for causing the last named means to be inoperative.

2,248,748

MAGNETIC COMPASS

Charles Stark Draper, Cambridge, Mass., and Walter McKay, Brooklyn, N. Y., assignors to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application January 21, 1938, Serial No. 186,156
7 Claims. (Cl. 33—222)



1. A magnetic compass adapted to be mounted on an aircraft, comprising a pendulous magnetic meridian seeking element having predetermined magnetic moment and predetermined moment of inertia about the Z-axis and means for supporting said element for universal movement, the relation of said moment of inertia to said magnetic moment being such that the card lags behind the earth's field vector in the plane of the card and oscillates to either side of the meridian for every complete turn of the craft of 360° in azimuth.

7. The method of reducing the northerly turning error encountered in magnetic compasses having a housing mounted on aircraft, which comprises the steps of mounting in said housing an indicating system in a pendulous manner and capable of universal movement, associating a magnetic meridian-seeking element with said system, and proportioning the effective moment of inertia of said system to the magnetic moment of said element in a manner such that the resulting period of undamped oscillation about the Z-axis is greater than the critical period at which the system ceases to have characteristic rotation through 360° caused by the natural forces acting when such aircraft is making a 360° turn at an angle of bank in excess of the complement of the angle of dip.

2,248,749

COMPOSITION OF MATTER

Rudolf Engelhardt, Leverkusen-I. G. Werk, and Claus Heuck, Ludswigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Jasco Incorporated, a corporation of Louisiana

No Drawing. Application September 3, 1937, Serial No. 162,338. In Germany September 15, 1936
2 Claims. (Cl. 260—36)

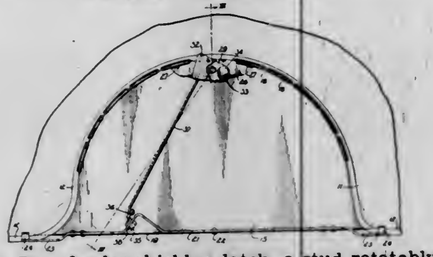
1. The wax-like composition of matter comprising a preponderant amount of wax-like chlorinated naphthalenes and a smaller amount of polymerized isobutylene.

2,248,750

REMOTE CONTROL FENDER SHIELD LATCH

Arthur P. Fergueson, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application August 25, 1938, Serial No. 226,648
17 Claims. (Cl. 292—240)



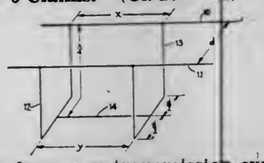
1. In a fender shield, a latch, a stud rotatably mounted on the back of the fender shield and having a head engageable by a wrench reaching in under the bottom edge of said shield, and means for operating the latch from the stud.

2,248,751

TRANSMISSION MODIFYING NETWORK

Sidney Frankel, New York, N. Y., assignor to Federal Telegraph Company, Newark, N. J., a corporation of California

Application February 10, 1939, Serial No. 255,590
6 Claims. (Cl. 178—44)



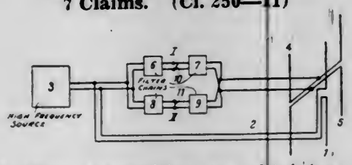
4. A high frequency transmission system comprising a two-conductor transmission line, a high frequency energy source coupled to said line, and means for reducing parallel currents in the conductors of said transmission line comprising impedance elements effectively equal to a short circuited transmission line an odd number of quarter wavelengths long bridged across said transmission line conductors at spaced points and a conductive connection intermediate the ends of said impedance elements.

2,248,752

RADIO TRANSMITTER FOR OBTAINING COURSE LINES

Joachim Goldmann, New York, N. Y., and Rudolf v. Ottenthal, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

Application February 4, 1939, Serial No. 254,586
In Germany February 4, 1938
7 Claims. (Cl. 250—11)



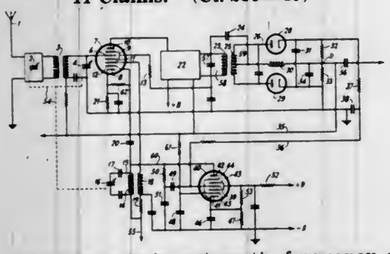
1. A radio transmitter for obtaining course lines, which comprises a high frequency generator, an antenna structure connected to be continually fed by this generator, a directive antenna structure arranged for cooperation with this continually fed antenna structure, said directive antenna structure comprising a plurality of radiation units, transmission means for energizing said radiating units in phase displaced relation with respect to said antenna structure, filter chains in said transmission means, means for connecting said filter chains to said directive antenna structure to respectively energize said units in phase reversal relations, and means for alternately short circuiting one of said filter chains and opening the other to reverse the phase conditions of said directive antenna structure.

2,248,753

FREQUENCY CONTROL SYSTEM

Alfred Leonard Green, Ashfield, New South Wales, Australia, assignor to Radio Corporation of America, a corporation of Delaware

Application April 6, 1939, Serial No. 266,400
In Australia April 8, 1938
11 Claims. (Cl. 250—40)



1. Improvements in automatic frequency control systems for superheterodyne receivers comprising means for receiving signals at radio-frequency, means including an oscillator for converting said radio-frequency signal to energy at intermediate-frequency, means for utilizing said intermediate-frequency energy, means including a discriminator for producing an automatic frequency control bias potential of a magnitude and polarity depending respectively on the amount and sense of departure of the intermediate-frequency from the predetermined mid-frequency of the discriminator, a control valve and means providing for the use of said control valve for automatically controlling the frequency of said oscillator, said last mentioned means including means providing for the application of said automatic frequency control bias potential to a control grid of said control valve, the said improvements being characterized in this, that the said control valve has at least two control grids and that means are provided for producing an automatic volume control bias voltage of a value depending on the intensity of said radio-frequency signal and that means are provided for the application of said automatic volume control bias voltage to a second control grid of said control valve.

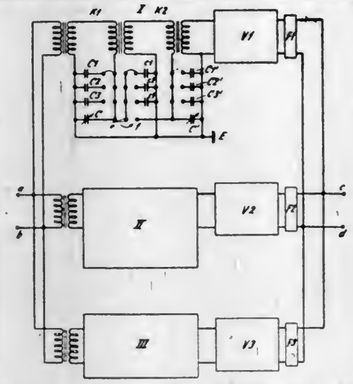
2,248,754

BAND-FILTER DEVICE

Wolfgang Hagen, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application June 9, 1938, Serial No. 212,753
In Germany June 11, 1937
6 Claims. (Cl. 178—44)

1. An adjustable band-filter device comprising inductances and variable capacities forming first and second resonance circuits tuned to the same frequency, additional fixed capacities allotted to each of said two resonance circuits, means for selectively interposing said additional capacities in their appertaining resonance circuits, further fixed capacities, means for selectively associating one of said further fixed capacities with said first resonance circuit and means for transposing said



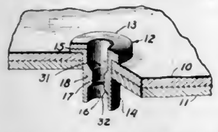
one of said further fixed capacities from said first resonance circuit to said second resonance circuit so as to increase the natural frequency of said first circuit and to decrease the natural frequency of said second circuit.

2,248,755

RIVET

Charles E. Hathorn, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application November 25, 1939, Serial No. 306,109
4 Claims. (Cl. 85—40)



1. A blind rivet for securing metallic sheets in juxtaposition comprising a head having a shank of substantially uniform external diameter extending therefrom, said rivet having concentric bores of the same diameter extending from each end of the rivet toward the middle of the shank and defining a shank mid portion, said mid portion having a through hole of a diameter smaller than that of said bores defining thereby an annular collar integral with the shank and within the rivet, the ends of said collar comprising conical frusta whose conical elements are slanted with respect to the cylindrical elements of the rivet shank bores.

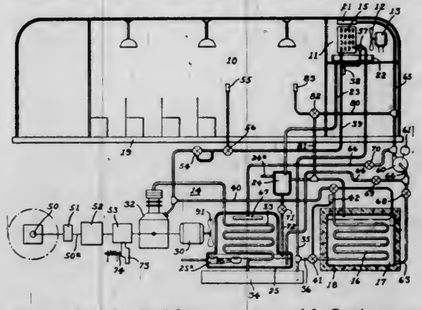
2,248,756

REFRIGERATING APPARATUS

Charles F. Henney, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application September 13, 1935, Serial No. 40,421
9 Claims. (Cl. 62—3)

9. In combination, a refrigerant liquefying unit, a first named evaporator in refrigerant flow relationship with said unit and in thermal exchange relationship with a medium to be conditioned, a holdover tank, means for circulating holdover from said tank over said evaporator, a second named evaporator in refrigerant flow relationship with said unit and in thermal exchange relationship with holdover in said tank, and means automatically controlling the circulation of said holdover over said first named evaporator.

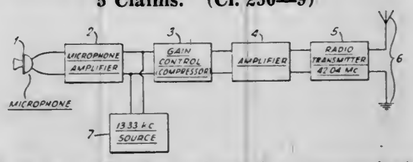


2,248,757

COMPRESSION-EXPANSION SYSTEM

Edward W. Herold, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 7, 1939, Serial No. 277,807
5 Claims. (Cl. 250—9)



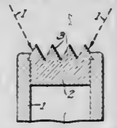
1. In a multi-channel carrier communication system for the transmission of sound, means for radiating modulated carrier energy including monitor signals of a frequency one-third of the frequency separation of adjacent carrier channels, said monitor signals having amplitude variations in substantial correspondence with the variations of amplification between the sound source and the transmission medium, and means for utilizing the aforesaid monitor signals at a receiver to effect reciprocal changes of amplification so as to result in an overall amplification which is substantially constant.

2,248,758

OPTICAL SYSTEM FOR REDUCING THE VIEWING ANGLE OF CERTAIN DEVICES SUCH AS PHOTOELECTRIC CELLS

René Alphonse Eugène Higonnet and Robert Maurice Lucas, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y.

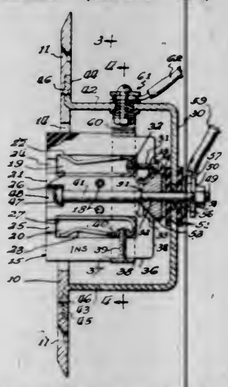
Application October 15, 1937, Serial No. 169,224
In France November 7, 1936
4 Claims. (Cl. 88—23)



1. A device responsive to light incident within a given solid angular region which comprises a transparent refractive body having two faces one of said faces being plane and the other of said faces being cylindrical, the plane of said plane face intersecting at an angle all planes containing the axis of said cylindrical face and light incident upon said plane face within said

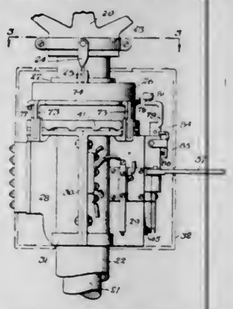
angular region being refracted and emerging from said cylindrical face, and light incident upon said plane face outside of said given angular region being totally reflected at said cylindrical face, and a photocell disposed to receive the light emerging from said cylindrical face.

2,248,759
REVOLVABLE ELECTRIC PLUG
Joseph J. Hollander, Chicago, Ill.
Application January 11, 1939, Serial No. 250,313
5 Claims. (Cl. 173—324)



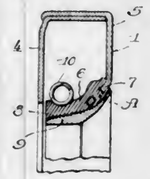
1. In a device of the character described, the combination of a substantially U-shaped bracket, an electrical plug member provided with contacts within recesses provided therein for the reception of male prongs, said electrical plug member being rotatably attached to and insulated from said bracket and being spaced between the arms thereof, an annular ring about said plug member establishing contact with a contact member fixed to and insulated from said bracket, a pin upon which said plug member is mounted for effecting said rotatable attachment, said annular ring being electrically connected with one of the recessed contacts, and said pin member being electrically connected with a second of said recessed contacts, the contact member of said bracket being attachable to one lead of an electric power line, said pin member being adapted to be attached to the other lead of said line.

2,248,760
DIRECTIONAL SIGNAL FOR AUTOMOBILES
William Harrington Kirby, Beverly, Mass.
Application December 29, 1938, Serial No. 248,149
9 Claims. (Cl. 177—339)



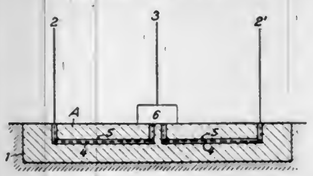
5. An automobile signal device which includes a plurality of switches, means operated by the steering wheel during its first half revolution to selectively actuate two of said switches to indicate directional movement, means also actuated by the steering wheel to actuate a third switch to flash an intermittent signal when the steering wheel is moved in either direction from normal any distance, manual means to close certain of said directional switches after said steering wheel has moved more than a half revolution, and means operated by the steering wheel to restore all of said switches to normal when the steering wheel is returned to normal position.

2,248,761
OIL SEAL
Thomas O. Kosatka, Chicago, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application January 23, 1939, Serial No. 252,319
2 Claims. (Cl. 288—3)



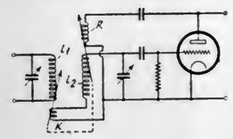
1. In an oil seal, a unitary sealing element therefor comprising a body layer of synthetic rubber, a layer of synthetic rubber suitably loaded with graphite for reducing friction and forming the sealing surface for rotative contact with a member to be sealed, and an intermediate layer of fabric for uniting said layers of synthetic rubber and for preventing creeping of said last mentioned layer and maintaining said layer in confined relation, said last mentioned layer being of substantial thickness whereby the fabric is maintained out of contact with the member to be sealed.

2,248,762
DIRECTIONAL ANTENNAE
Ernst Kramar and Helmuth Johannson, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application December 17, 1938, Serial No. 246,306
In Germany December 20, 1937
2 Claims. (Cl. 250—11)



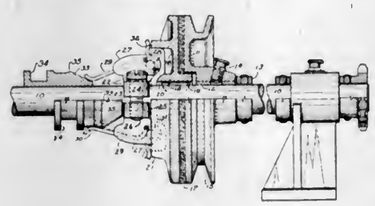
1. A directional antenna system, comprising component antennae, a plane ground common to said component antennae comprising homogeneous electrically conducting material arranged in a pit having lateral dimensions greater than that occupied by said component antennae and supporting said antennae and having such a depth as to give said ground a large mass to substantially prevent self-oscillation, and interconnectors for the component antennae, said interconnectors being embedded in the said homogeneous ground.

2,248,763
RECEIVER WITH CONTROL OF SELECTIVITY THROUGH VARIATION OF THE COUPLING
Friedrich Kreienfeld, Berlin-Spandau, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 24, 1937, Serial No. 181,507
In Germany December 24, 1936
2 Claims. (Cl. 179—171)



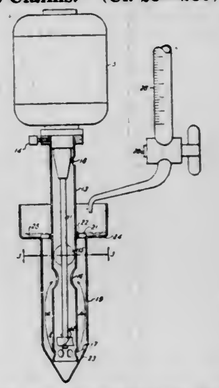
1. In combination with a high frequency signal energy transmission tube having input and output electrodes, a signal-tuned resonant input circuit, a second signal-tuned resonant circuit reactively coupled to the said input circuit, said second circuit being connected to said input electrodes, reactive means coupling said output electrodes to said second circuit thereby providing a feedback path for signal energy to said input electrodes, and means for simultaneously adjusting the magnitudes of said two reactive couplings in opposite senses whereby the degree of signal feedback varies directly with the degree of selectivity of said coupled resonant circuits.

2,248,764
SPRING LEVER CLUTCH
William F. Krenzke, Racine, Wis., assignor to Jacobsen Manufacturing Company, Racine, Wis., a company of Wisconsin
Application November 24, 1939, Serial No. 305,756
4 Claims. (Cl. 192—66)



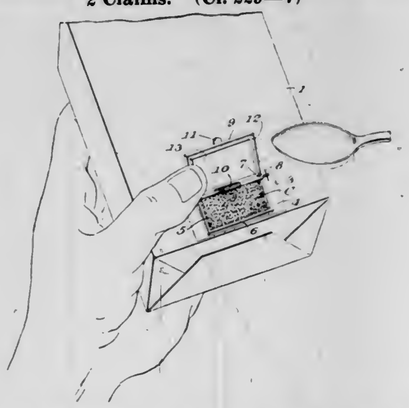
1. A device of the class described, comprising a shaft having spline mounted thereon a clutch plate with an annular projecting ring for contact with clutch operating levers, another clutch plate rotatably mounted on said shaft and longitudinally fixed with respect to the shaft, a collar longitudinally adjustably secured to said shaft adjacent said first clutch plate and having two or more pairs of spaced ears, bolts extending through said pairs of ears substantially in alignment with the transverse plane of the surface of said annular ring, a cone slidably mounted on said shaft adjacent said collar, clutch levers hingedly mounted on said bolts between said pairs of ears and adapted to contact said annular ring and cause said first and second clutch members to be operatively engaged when said cone is moved under the free ends of said levers, said levers comprising substantially uniform in cross section flat strips having spring characteristics, offset loops formed near the clutch end of said strips adapted to partially embrace said bolts thereby forming said hinges.

2,248,765
METHOD AND APPARATUS FOR ANALYZING WATER AND OTHER SOLUTIONS
Wilfred F. Langelier, Berkeley, Calif.
Application August 28, 1939, Serial No. 292,267
13 Claims. (Cl. 23—230)



1. A method for determining the equivalent amounts of soap and water comprising the steps of commingling measured amounts of soap and water, dispersing air in the resulting soap and water mixture, continuously circulating the resulting air-in-water dispersion through a confined space provided with an optical path beneath the surface of the dispersion while maintaining the dispersion in a state of turbulence sufficient to prevent the formation of a substantial layer of lather on the surface of the dispersion and to retain substantially all of the soap beneath the surface when the quantity of soap in the dispersion is sufficient to form a lather on the surface in the quiescent state, and measuring the relative opacity of the dispersion flowing through said confined space.

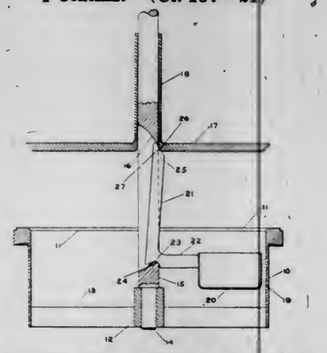
2,248,766
SELF-CLOSING CONTAINER
Morris Landesman, Brookline, Mass.
Application September 14, 1939, Serial No. 294,907
2 Claims. (Cl. 229—7)



1. A container for coffee and the like, said container comprising a paper bag or the like adapted to be sealed and to be collapsed as its contents are consumed, one of the walls of said bag having an aperture therein adjacent the

bottom of said bag, a relatively stiff member adherently carried by said apertured wall to close said aperture, said member having an aperture, outwardly disposed flange members on said member defining with said last-named aperture a flanged port, an inwardly disposed flange member carried by said member to establish a dam above said flanged port, a cover for said flanged port hingedly connected to said member, and resilient means urging said cover into port closing position, said cover including a portion to enter within said port to maintain the contents below the outer level of the flanged port and marginal portions to contact said member laterally of said outwardly disposed flange members to seal the bag.

2,248,767
VALVE MECHANISM
Harry D. Lathrop, Chicago, Ill., assignor to The Lathrop-Paulson Company, Chicago, Ill., a corporation of Illinois
Application March 25, 1940, Serial No. 325,783
4 Claims. (Cl. 137—21)



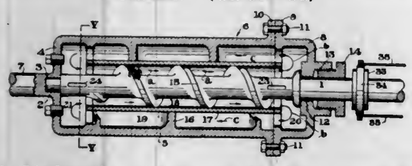
3. In combination with a container outlet equipped with arms supporting a central collar, a shaft supported within said collar and provided with a vertical slot, a valve equipped with a sleeve receiving said shaft, a bell crank lever pivotally supported within said slot and having a horizontal arm portion extending laterally from said shaft, and a perforated cup carried by said horizontal arm portion, the lever having a vertical arm lying partly in the slot, the upper end of said arm being provided with an indentation adapted to receive the inner corner portion of said valve for supporting the same when said valve is in elevated position and liquid is flowing through the outlet into the cup, the angle of the bottom of the indentation being such as to permit the weight of the valve to force the vertical arm into the slot so that the valve will automatically fall when the flow through the outlet ceases and the cup empties.

2,248,768
POCKET FORM COMFORTER
Emanuel H. Licht, Bronx, N. Y.
Application July 27, 1940, Serial No. 347,922
3 Claims. (Cl. 5—334)



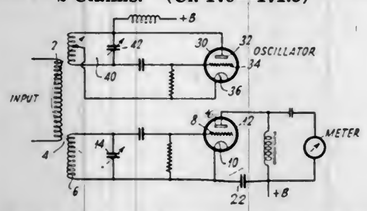
1. A pocket form comforter, comprising a base cloth such as a blanket, a plurality of pockets mounted on said base cloth and having openings making them accessible, and removable forms within said pockets, and means for fixedly holding said forms in said pockets, comprising straps within certain of said pockets and attached at one of their ends to said pockets and adjustably attached at their other ends to certain of said forms, and additional straps attached to certain of said forms and extending through openings in certain of said pockets to other pockets and the extended ends of said additional straps being adjustably attached to other of said forms.

2,248,769
FLUID POWER TRANSMISSION SYSTEM
Rush E. Manley, Columbus, Ohio
Application August 12, 1940, Serial No. 352,241
6 Claims. (Cl. 60—54)



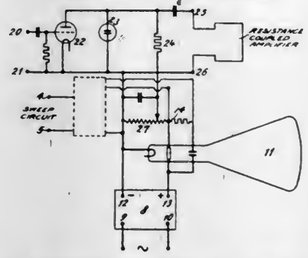
1. Hydraulic clutch mechanism comprising relatively rotatable driving and driven members disposed in concentric relation, a screw formed on one of said members, a fluid-containing drum formed with the other of said members, a tubular separator surrounding said screw and coextensive therewith, said separator dividing said drum internally into concentric parallel inner and outer fluid passageways, said passageways being in constantly open relative communication at their ends for unobstructed fluid flow therebetween, spiral vanes projecting inwardly from the outer wall of said drum and positioned in said outer passageway, and valve controlled means providing for a variable by-passing of fluid with respect to one of said passageways.

2,248,770
MODULATION METER
Lewis J. McKesson, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 8, 1938, Serial No. 212,431
2 Claims. (Cl. 179—171.5)



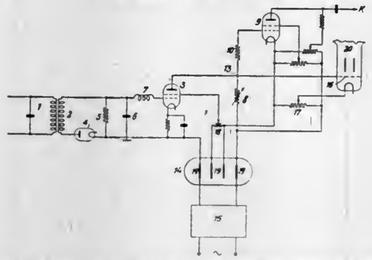
1. The method of determining the percentage modulation of modulated wave energy comprising a carrier and side frequencies which consists in, beating said modulated wave energy with oscillatory energy of a frequency equal to the frequency of said carrier and demodulating the energy resulting from said beating to produce resultant current, beating the carrier wave of said modulated wave energy with oscillatory energy of a frequency differing from the frequency of the carrier wave of said modulated wave energy by a beat frequency to produce energy of said beat frequency, demodulating said energy of said beat frequency to produce other resultant current and comparing said resultant currents to determine the percentage modulation of said modulated wave energy.

2,248,771
TELEVISION RECEIVER
Maximilian Messner and Peter Deserno, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application August 5, 1938, Serial No. 223,200
In Germany March 16, 1937
4 Claims. (Cl. 178—5.8)



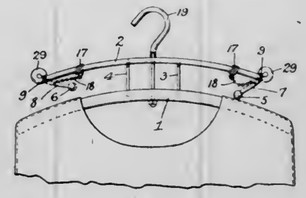
1. In a television receiver, an image reproducing equipment including a Braun tube, at least one discharge tube serving as a normal deflection control for said Braun tube and other circuit elements forming part of said equipment, a D. C. potential source supplying the anode of said Braun tube with direct current and likewise delivering the direct current required for operating said discharge tube and energizing said circuit elements, and means shunted across said discharge tube and circuit elements and connected to the deflecting system of said Braun tube to protect said discharge tube and circuit elements against breakdown by excess voltage and to provide an automatically effective emergency deflection control source for preventing discoloration of the Braun tube screen when said normal deflection control is ineffective.

2,248,772
TELEVISION SYSTEM
Maximilian Messner, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 29, 1939, Serial No. 264,726
In Germany April 8, 1938
7 Claims. (Cl. 178—7.5)



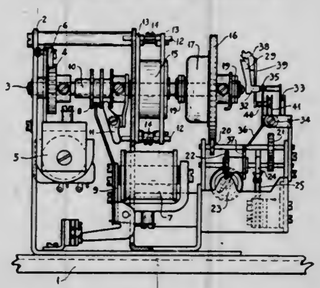
1. A television reception system comprising, an input circuit adapted to receive image signals and synchronizing impulses, a final amplifier tube having a cathode, a grid circuit, a screen grid and an anode circuit for concurrently amplifying said image and synchronizing impulses, a load resistor connected in said anode circuit, an amplitude filter comprising a thermionic valve galvanically connected to said load resistor for cutting the said synchronizing impulses, and means to so adjust the polarity of image signals and synchronizing impulses impressed upon the said grid circuit that the synchronizing impulses occur as voltage peaks in said anode circuit.

2,248,773
GARMENT HANGER
Frank P. Mies, Chicago, Ill.
Application March 7, 1938, Serial No. 194,310
5 Claims. (Cl. 223—93)



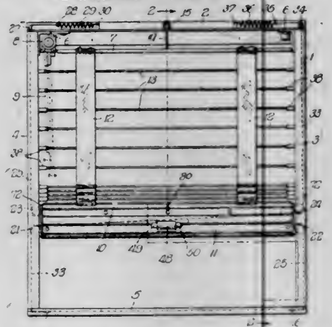
1. A garment hanger comprising a garment holding member, a garment engaging member which engages the garment and presses it toward the garment holding member, a support for the garment engaging member spaced away from the garment holding member, the garment engaging member being pivotally connected with said support, and a sliding member on said support and a connection between said sliding member and said garment engaging member, whereby the position of the garment engaging member may be controlled by sliding said sliding member along said support.

2,248,774
MECHANICAL IMPULSE REPEATER
Konrad Müller, Berlin-Spandau, Germany, assignor to Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany
Application February 6, 1939, Serial No. 254,828
In Germany February 26, 1938
7 Claims. (Cl. 179—16)



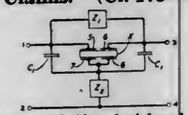
1. In combination, a circular series of parallel, longitudinally movable pins, the corresponding ends of all pins lying in or near a common plane and the opposite ends of all pins lying in or near another common plane, whereby said pins and said two planes describe and substantially enclose a generally cylindrical space, a rotary arm, means for rotating said arm over said corresponding ends of said pins, and an electromagnet lying at least partly within said enclosed space for at times operating said arm when same is over the end of a pin to move that pin longitudinally.

2,248,775
VENETIAN BLIND
Edward B. Nottingham, Villa Park, Ill., assignor to H. B. Dodge and Company, Chicago, Ill., a corporation of Illinois
Application December 11, 1939, Serial No. 308,514
4 Claims. (Cl. 156—17)



1. A Venetian blind construction comprising a blind control bar, upper and lower rollers carried by said bar, on opposite ends thereof and a pair of elongated flexible supporting means arranged adjacent either side of said Venetian blind and extending along the side edges of the blind, each of said flexible supporting means extending longitudinally of said bar and passing over a lower roller on one side and an upper roller on the other side for retaining the bar in horizontal position.

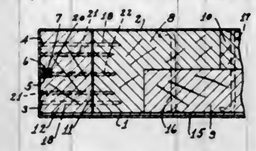
2,248,776
WAVE FILTER
Henry G. Och, West Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1938, Serial No. 221,721
20 Claims. (Cl. 178—44)



1. A wave filter of the bridged-T type having a pair of input terminals and a pair of output terminals, said filter comprising a piezoelectric crystal having two electrodes on one face and two other oppositely disposed electrodes on the opposite face, two of said electrodes being connected directly together and through a common shunt branch to an input terminal and an associated output terminal, and the remaining electrodes being connected respectively to the remaining terminals, and a bridging impedance branch connected between said remaining terminals, the dimensions of said crystal and the values of the reactance elements forming said bridging branch and said shunt branch being proportioned with respect to one another and with respect to two preassigned frequencies to provide a transmission band between said frequencies.

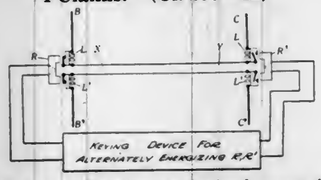
2,248,777
METAL COVERED DOOR
James F. Peelle and Peter W. Van Etten, Richmond, Ind.
Application November 27, 1940, Serial No. 367,384
5 Claims. (Cl. 20—35)

1. In a metal covered door, a core having a channelled groove formed in each vertical edge thereof, a channel member set into each channelled groove, metal sheets having flanges turned



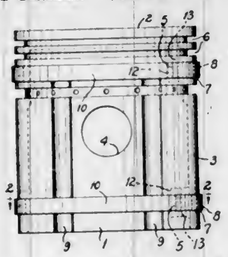
into the channel members, and means securing the metal sheets and the channel members to the core.

2,248,778
ANTENNA NETWORK
Georges Edme Marcel Perroux, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application December 17, 1937, Serial No. 180,314
In France December 31, 1936
4 Claims. (Cl. 250—11)



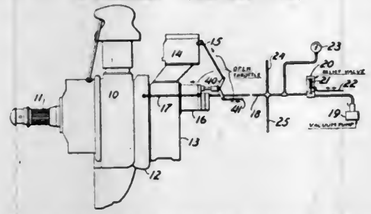
2. A directional antenna system comprising an antenna, a plurality of conductor assemblies arranged in spaced cooperative relation about said antenna, control means for making two of said conductor assemblies on opposite sides of said antenna operative and inoperative alternately as reflectors at a desired frequency, inductive elements in circuit with each of said two conductor assemblies, and a transmission line interconnecting said inductive elements to maintain current continuously flowing in said conductor assemblies to avoid noises due to the operation of said control means.

2,248,779
PISTON
Harold P. Phillips, Webster Groves, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application January 6, 1940, Serial No. 312,773
11 Claims. (Cl. 309—7)



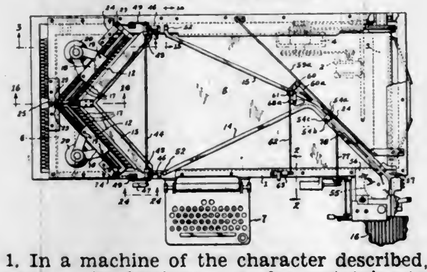
8. A piston comprising a head and a skirt, said skirt having a substantially smaller diameter than the diameter of the cylinder in which said piston is used, said piston having positioned thereon a plurality of ring members formed of resilient, slit bands and adapted to contact the walls of said cylinder, and a pair of bosses positioned on each band remote from the slit therein and adapted to secure said member to said piston at points on the thrust side thereof so that rocking of said piston in said cylinder is restrained.

2,248,780
MANIFOLD PRESSURE REGULATOR
Erold F. Pierce, Pines Lake, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application November 25, 1939, Serial No. 306,145
2 Claims. (Cl. 123—75)



1. In a manifold pressure control device for internal combustion engines comprising a piston-cylinder motor for operating the engine throttle and a valve controlling admission of pressure fluid to the motor; means for operating said valve comprising a member having secured thereto one end of a bellows, the other end of the bellows being rigidly supported and the bellows' interior communicating with the engine manifold, an elastic diaphragm mounted in a housing, the diaphragm being connected with said valve member, the diaphragm and housing defining a chamber, and adjustable pneumatic means communicating with said chamber and acting upon said diaphragm.

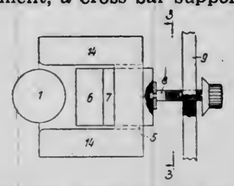
2,248,781
TYPE COMPOSING MACHINE
Frank H. Poeppelmeier, Dayton, Ohio, assignor to Dayton Type, Incorporated, a corporation of Delaware
Application April 21, 1938, Serial No. 203,367
27 Claims. (Cl. 276—18)



1. In a machine of the character described, a type magazine having means for containing type thereon, and means for mounting said type magazines in a predetermined position over a type receiving belt, comprising location defining pin and hole members on the machine and the magazine for each lower end of the latter, supporting posts on said machine, and means on the magazines to engage said supporting posts, said means being such that the magazines are relatively movable with relation to said posts, thereby permitting the location definition first above mentioned.

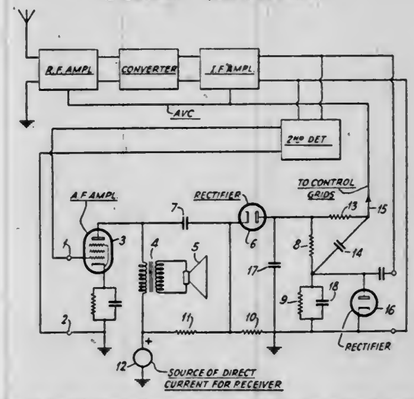
2,248,782
TUNING ARRANGEMENT FOR ELECTRIC OSCILLATIONS
Werner Puhlmann and Erich Gossel, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application October 8, 1938, Serial No. 233,924
In Germany October 19, 1937
2 Claims. (Cl. 178—44)

1. A tuning arrangement for electric oscillations comprising an oscillatory circuit, a metallic generally U-shaped inductance having parallel sides and a cross bar provided with a non-circular aperture included in said oscillatory circuit, a non-circular insulating body fitting in said aperture to resist rotation while allowing sliding movement, a cross bar supported on said



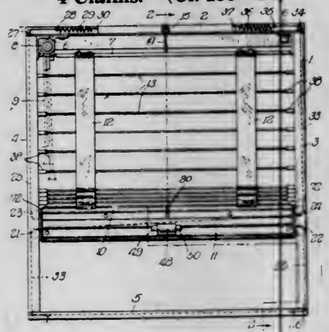
body and extending across said U-shaped inductance from one parallel side to the other but out of contact with both said sides, screw means for sliding said insulating body through said aperture parallel to said sides of said U-shaped inductance, whereby the position of said conductive body may be changed with respect to said inductance.

2,248,783
RADIO RECEIVER OVERLOAD CONTROL CIRCUIT
Herre Rinia, Pieter A. Neeteson, and Bernardus D. H. Tellegen, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 21, 1939, Serial No. 285,700
In Germany March 14, 1939
1 Claim. (Cl. 250—20)



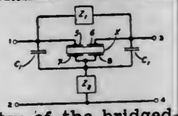
In a radio receiver of the type provided with a radio signal transmission network, a detector, a modulation voltage transmission network, means responsive to carrier amplitude variation for producing a control voltage proportional to carrier amplitude, a second means responsive to modulation voltage amplitude above a predetermined overloading value for producing a second control voltage proportional to modulation voltage amplitude, said second means comprising a rectifier coupled to said modulation voltage network, a load impedance in circuit with the rectifier to develop said second control voltage, common means applying both said control voltages in a transmission efficiency reducing sense to said radio transmission network, means connected to said load impedance for retarding the disappearance of the second control voltage with said modulation voltage decrease below said overloading value without affecting the development of

2,248,775
VENETIAN BLIND
Edward B. Nottingham, Villa Park, Ill., assignor to H. B. Dodge and Company, Chicago, Ill., a corporation of Illinois
Application December 11, 1939, Serial No. 308,514
4 Claims. (Cl. 156—17)



1. A Venetian blind construction comprising a blind control bar, upper and lower rollers carried by said bar, on opposite ends thereof and a pair of elongated flexible supporting means arranged adjacent either side of said Venetian blind and extending along the side edges of the blind, each of said flexible supporting means extending longitudinally of said bar and passing over a lower roller on one side and an upper roller on the other side for retaining the bar in horizontal position.

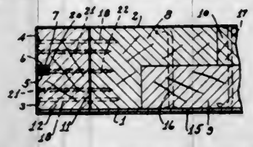
2,248,776
WAVE FILTER
Henry G. Och, West Englewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1938, Serial No. 221,721
20 Claims. (Cl. 178—44)



1. A wave filter of the bridged-T type having a pair of input terminals and a pair of output terminals, said filter comprising a piezoelectric crystal having two electrodes on one face and two other oppositely disposed electrodes on the opposite face, two of said electrodes being connected directly together and through a common shunt branch to an input terminal and an associated output terminal, and the remaining electrodes being connected respectively to the remaining terminals, and a bridging impedance branch connected between said remaining terminals, the dimensions of said crystal and the values of the reactance elements forming said bridging branch and said shunt branch being proportioned with respect to one another and with respect to two preassigned frequencies to provide a transmission band between said frequencies.

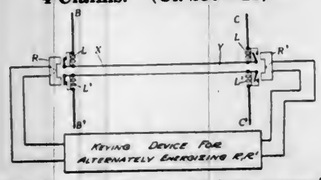
2,248,777
METAL COVERED DOOR
James F. Peelle and Peter W. Van Etten, Richmond, Ind.
Application November 27, 1940, Serial No. 367,384
5 Claims. (Cl. 20—35)

1. In a metal covered door, a core having a channelled groove formed in each vertical edge thereof, a channel member set into each channelled groove, metal sheets having flanges turned



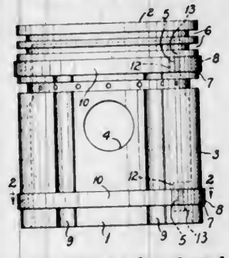
into the channel members, and means securing the metal sheets and the channel members to the core.

2,248,778
ANTENNA NETWORK
Georges Edme Marcel Perroux, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application December 17, 1937, Serial No. 180,314
In France December 31, 1936
4 Claims. (Cl. 250—11)



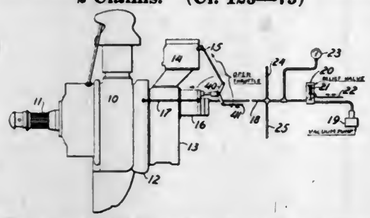
2. A directional antenna system comprising an antenna, a plurality of conductor assemblies arranged in spaced cooperative relation about said antenna, control means for making two of said conductor assemblies on opposite sides of said antenna operative and inoperative alternately as reflectors at a desired frequency, inductive elements in circuit with each of said two conductor assemblies, and a transmission line interconnecting said inductive elements to maintain current continuously flowing in said conductor assemblies to avoid noises due to the operation of said control means.

2,248,779
PISTON
Harold P. Phillips, Webster Groves, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application January 6, 1940, Serial No. 312,773
11 Claims. (Cl. 309—7)



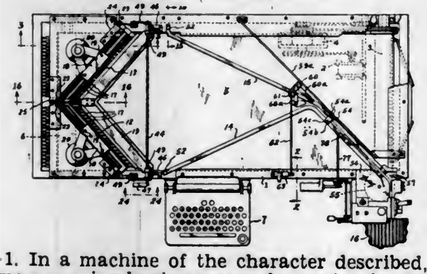
8. A piston comprising a head and a skirt, said skirt having a substantially smaller diameter than the diameter of the cylinder in which said piston is used, said piston having positioned thereon a plurality of ring members formed of resilient, slit bands and adapted to contact the walls of said cylinder, and a pair of bosses positioned on each band remote from the slit therein and adapted to secure said member to said piston at points on the thrust side thereof so that rocking of said piston in said cylinder is restrained.

2,248,780
MANIFOLD PRESSURE REGULATOR
Erold F. Pierce, Pines Lake, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application November 25, 1939, Serial No. 306,145
2 Claims. (Cl. 123—75)



1. In a manifold pressure control device for internal combustion engines comprising a piston-cylinder motor for operating the engine throttle and a valve controlling admission of pressure fluid to the motor; means for operating said valve comprising a member having secured thereto one end of a bellows, the other end of the bellows being rigidly supported and the bellows' interior communicating with the engine manifold, an elastic diaphragm mounted in a housing, the diaphragm being connected with said valve member, the diaphragm and housing defining a chamber, and adjustable pneumatic means communicating with said chamber and acting upon said diaphragm.

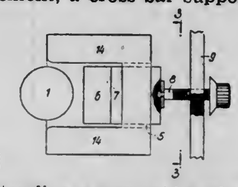
2,248,781
TYPE COMPOSING MACHINE
Frank H. Poeppelmeier, Dayton, Ohio, assignor to Dayton Type, Incorporated, a corporation of Delaware
Application April 21, 1938, Serial No. 203,367
27 Claims. (Cl. 276—18)



1. In a machine of the character described, a type magazine having means for containing type thereon, and means for mounting said type magazines in a predetermined position over a type receiving belt, comprising location defining pin and hole members on the machine and the magazine for each lower end of the latter, supporting posts on said machine, and means on the magazines to engage said supporting posts, said means being such that the magazines are relatively movable with relation to said posts, thereby permitting the location definition first above mentioned.

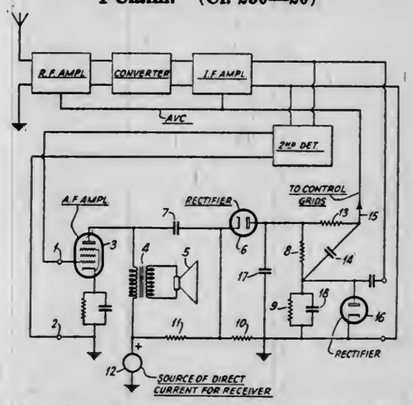
2,248,782
TUNING ARRANGEMENT FOR ELECTRIC OSCILLATIONS
Werner Puhlmann and Erich Gossel, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application October 8, 1938, Serial No. 233,924
In Germany October 19, 1937
2 Claims. (Cl. 178—44)

1. A tuning arrangement for electric oscillations comprising an oscillatory circuit, a metallic generally U-shaped inductance having parallel sides and a cross bar provided with a non-circular aperture included in said oscillatory circuit, a non-circular insulating body fitting in said aperture to resist rotation while allowing sliding movement, a cross bar supported on said



body and extending across said U-shaped inductance from one parallel side to the other but out of contact with both said sides, screw means for sliding said insulating body through said aperture parallel to said sides of said U-shaped inductance, whereby the position of said conductive body may be changed with respect to said inductance.

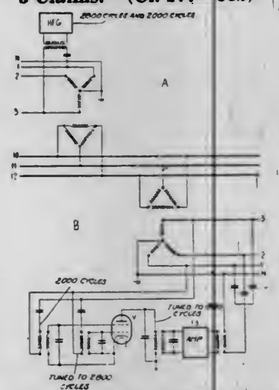
2,248,783
RADIO RECEIVER OVERLOAD CONTROL CIRCUIT
Herre Rinia, Pieter A. Neeteson, and Bernardus D. H. Tellegen, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 21, 1939, Serial No. 285,700
In Germany March 14, 1939
1 Claim. (Cl. 250—20)



In a radio receiver of the type provided with a radio signal transmission network, a detector, a modulation voltage transmission network, means responsive to carrier amplitude variation for producing a control voltage proportional to carrier amplitude, a second means responsive to modulation voltage amplitude above a predetermined overloading value for producing a second control voltage proportional to modulation voltage amplitude, said second means comprising a rectifier coupled to said modulation voltage network, a load impedance in circuit with the rectifier to develop said second control voltage, common means applying both said control voltages in a transmission efficiency reducing sense to said radio transmission network, means connected to said load impedance for retarding the disappearance of the second control voltage with said modulation voltage decrease below said overloading value without affecting the development of

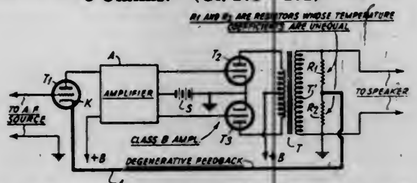
said first control voltage, and said retarding means being a resistor-condenser network in shunt with said load impedance and having a relatively large time constant.

2,248,784
ELECTRICAL SIGNALING SYSTEM
Philip Norton Roseby, Woodvale, near Southport, England, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application January 18, 1939, Serial No. 251,509
In Great Britain February 7, 1938
3 Claims. (Cl. 177—352)



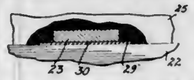
1. In an electric power supply network wherein a high tension network feeds a plurality of low tension networks through transformers, means in one of the low tension networks for transmitting a control frequency of approximately 2000 cycles from said last network via the high tension network to another low tension network, means connected to said second network responsive to said control frequency for converting it into a second frequency considerably less than 2000 cycles and impressing said second frequency upon said second low tension network, and means connected to said second network, at points remote from said last means, which is responsive to said second frequency.

2,248,785
AUTOMATIC VOLUME CONTROL CIRCUITS
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 17, 1938, Serial No. 230,367
5 Claims. (Cl. 179—171)



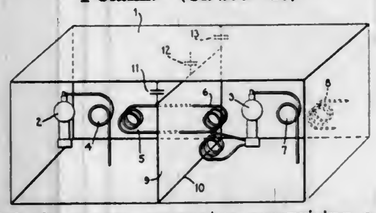
1. In a class B audio amplifier system, a method of reducing distortion at low signal levels without reducing the high output and gain capabilities of the system at high signal levels, which comprises impressing audio signals upon the amplifier input, deriving from the amplified signals an audio voltage, impressing the derived voltage upon the amplifier input in degenerative phase along with the unamplified audio signals thereby to reduce said distortion at low signal levels, rectifying amplified signals to produce a unidirectional voltage whose magnitude depends on the audio modulation, and automatically decreasing the relative magnitude of said degenerative voltage with said unidirectional voltage at high signal levels thereby to produce a volume expansion effect.

2,248,786
APPARATUS FOR FORMING AND CUTTING SHEET METAL
Donald C. Rowe, Williamsville, Clarence R. Graham, North Tonawanda, and Omer L. Woodson, Kenmore, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application April 12, 1938, Serial No. 201,488
1 Claim. (Cl. 164—18)



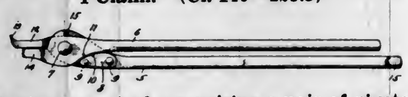
In means for cutting sheet metal, a bed, a first rigid plate resting thereon having a dulled edge, a die plate having peripheral cutting edge, the die plate resting on and being of smaller compass than said first plate, and a press ram including a resilient face adapted to bear upon a blank between the face and die, said face, upon continued application of press pressure, deforming the blank into engagement with the edge of said first plate, whereafter the blank is parted along said die plate cutting edge upon continued pressure application.

2,248,787
HIGH FREQUENCY APPARATUS
Max Schrumpf, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application November 29, 1938, Serial No. 242,913
In Germany November 9, 1938
1 Claim. (Cl. 250—16)



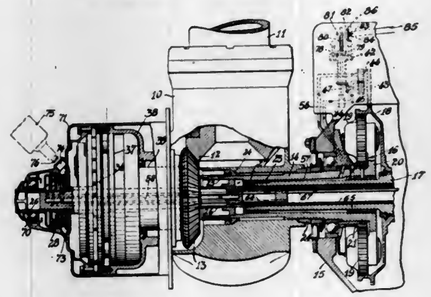
High frequency apparatus comprising a metallic screening box, a number of tube stages contained in said box, said stages having a predetermined operating frequency, metallic screening walls between said stages and capacities interconnecting said screening box and said screening walls, each of said walls and its associated capacity together forming a series resonant circuit at the predetermined operating frequency.

2,248,788
WIRE FENCE TOOL
Jess A. Seavey, Springfield, Oreg.
Application March 2, 1940, Serial No. 321,991
1 Claim. (Cl. 140—123.5)



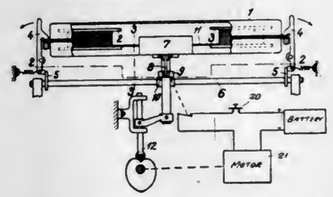
A wire fence tool comprising a pair of pivotally connected members, a pair of wide jaws formed on the pivotally connected members, one of the jaws being substantially long and extended an appreciable distance beyond the cooperating jaw, and the substantially long jaw being curved outwardly away from the short jaw providing a bearing for the tool, when the tool is used against a post as a fulcrum, in stretching wire.

2,248,789
CONTROLLABLE PITCH PROPELLER
Earl Oliver Setterblade, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application October 18, 1938, Serial No. 235,550
8 Claims. (Cl. 170—135.6)



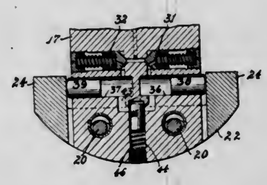
1. In an aircraft power plant in combination, a geared engine having concentric high speed and low speed shafts, the latter being geared to and driven by the farmer, a controllable pitch propeller mounted on the low speed shaft, a high speed shaft extension extending through and beyond the propeller, and selectively operable friction clutch means carried by the propeller for connecting said extension to the controllable propeller blades to effect pitch changes thereof.

2,248,790
SOUND RECORDING DEVICE
Arnold Stapelfeldt, Klein-Machnow, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application October 6, 1939, Serial No. 298,212
In Germany October 6, 1938
9 Claims. (Cl. 274—4)



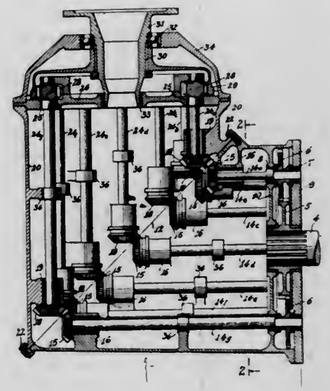
1. In a sound recording device having a record carrier, drums for coiling and uncoiling this record carrier, a removable housing for these drums, a talking head, and drive means for giving the talking head a reciprocatory movement axially with respect to said drums, a locking device for securing the said housing in position, and blocking means controlled by said talking head to prevent such locking device from being released until the talking head is in a predetermined axial position.

2,248,791
DYNAMIC DAMPER FOR IN-LINE ENGINES
Edward S. Taylor, Cambridge, Mass., assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J., a corporation of New York
Application March 5, 1938, Serial No. 194,069
10 Claims. (Cl. 74—604)



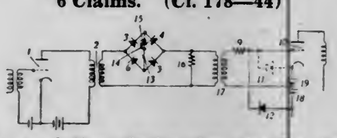
1. In an engine having a pressure lubricating system, a crankshaft having an extension, a counterweight freely pendulously supported thereon for circumferential movement relative thereto in response to torsional vibration, control means for the counterweight comprising opposed plungers in the extension bearing on the counterweight and means to introduce fluid under pressure between said plungers for urging same oppositely outward for contact with said counterweight, and means responsive to the action of centrifugal force for rendering said control means ineffective.

2,248,792
RIGHT-ANGLED GEAR DRIVE
Philip B. Taylor, Upper Montclair, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application September 2, 1939, Serial No. 293,219
17 Claims. (Cl. 74—410)



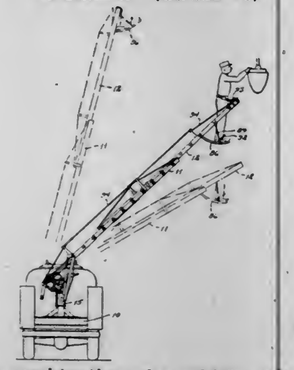
1. In a gear transmission including a power shaft and a driven shaft at right angles to one another, pluralities of small shafts each spaced around and parallel to respective shafts the shafts of each plurality being parallel to one another, bevel pinion sets affording a driving connection between pairs of right-angled small shafts, gearing drivably connecting the power shaft with the small shafts parallel thereto, and gearing drivably connecting the driven shaft with the small shafts parallel thereto.

2,248,793
METHOD OF REGULATING THE AMPLITUDE OF ELECTRIC WAVES
Victor John Terry, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application May 11, 1939, Serial No. 273,092
In Great Britain May 21, 1938
6 Claims. (Cl. 178—44)



1. A regulating device for electric impulses characterised by means for deriving energy from a series of incoming impulses, a storage means for storing said derived energy and dissipating it at a steady rate, means for accepting only incoming impulses of an amplitude above a value determined by the level of energy in the storage means, and amplitude limiting means for passing on said accepted impulses with an amplitude limited to a certain maximum.

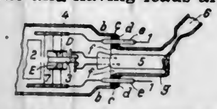
2,248,794
LADDER UTILITY VEHICLE
Herman J. Troche, Cleveland, Ohio, assignor to The American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio
Original application November 22, 1939, Serial No. 305,664. Divided and this application April 3, 1940, Serial No. 327,674
8 Claims. (Cl. 228—6)



4. The combination of a vehicle, a ladder carried thereby adapted to be elevated into an upwardly inclined position at various angles, and a platform carried by the ladder adjacent the top thereof and concave on its upper surface, whereby the workman may stand on an approximately level support irrespective of the angle of incline of the ladder.

2,248,795
ELECTRON TUBE
Wolfram Uhlmann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application July 18, 1939, Serial No. 285,047
In Germany July 19, 1938
2 Claims. (Cl. 250—27.5)

1. An electron tube comprising a vessel, a cathode, a stem carrying this cathode independently of other electrodes in said tube, a tubular extension formed with this stem, a plurality of electrodes supported mechanically independently of said cathode and having leads arranged in an



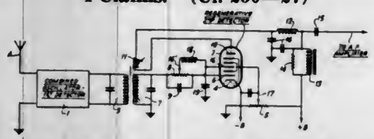
annular row, said tubular extension being sealed to said annular row of leads, and an exhaust tube formed with said tubular extension.

2,248,796
SHEARS
Thomas S. Vosbikian and Peter S. Vosbikian, Philadelphia, Pa.
Application May 25, 1939, Serial No. 275,586
4 Claims. (Cl. 30—252)



1. Shears, comprising blades having a fixed pivot and having their rear end portions extending to opposite sides of the median line of the shears, and having overlapping openings, each with a wedge shaped wall extending towards and beyond said median line, handles pivoted to the rear ends of said blades, and a floating cam pin connected with the forward ends of the handles and extending through said openings and engaging the wedge shaped wall of each opening.

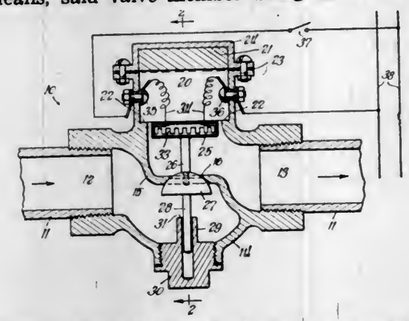
2,248,797
REGENERATIVE CIRCUITS
Leland C. Waller, Delawanna, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 18, 1939, Serial No. 290,723
4 Claims. (Cl. 250—27)



1. In a signal transmission network, an electronic discharge tube provided with at least a cathode, signal grid and a plate, a signal input circuit connected between the signal grid and cathode, a signal output circuit connected between the plate and cathode, means reactively coupling the plate circuit and input circuit to provide regeneration of the input circuit, and additional means responsive to grid current flow in the signal grid circuit for sufficiently adjusting the space current flow to said plate to prevent said regeneration causing self-oscillation, said responsive means including a resistive impedance in circuit with said signal grid for developing a direct current voltage from said grid current, and an electrostatic element, having a direct current voltage connection to said impedance, disposed in the space current path between the signal grid and plate.

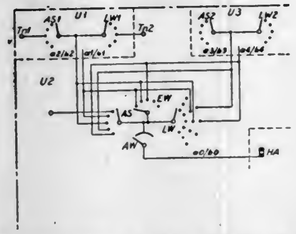
2,248,798
APPARATUS FOR CONTROLLING FLUID FLOW
Robert A. Wittmann, Chicago, Ill., assignor to Chicago By-Products Corporation, a corporation of Illinois
Application September 6, 1938, Serial No. 228,494
14 Claims. (Cl. 137—139)

1. Means for controlling the flow of fluid in a conduit comprising, in combination, valve means in the conduit including a valve member movable between open and closed positions, magnet means operatively connected to and movable with said valve member, a body of Curie point metal stationarily mounted in the field of said magnet means, said valve member being in the closed



position when said body of Curie point metal is below its Curie point and in the open position when said body of Curie point metal is above its Curie point, and means for heating said stationarily mounted body of Curie point metal above its Curie point to effect movement of said valve member to the open position.

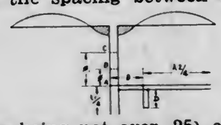
2,248,799
TRUNKING SYSTEM
Eduard Wochinger, Brieselang Osthavelland, Germany, assignor to Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany
Application December 21, 1938, Serial No. 246,989
In Germany January 3, 1938
15 Claims. (Cl. 179—26)



1. In a telephone or like system, a plurality of lines, two switches having access in common to said lines, means for seizing one of said switches and transmitting thereto trains of impulses, said one switch responsive to said impulses either to seize one of said lines or to cause the other of said switches, instead of said one switch, to seize one of said lines, depending upon the number of impulses in said train.

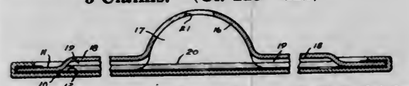
2,248,800
DIRECTIONAL ANTENNA ARRAY
Andrew Alford, New York, N. Y., assignor to Mackay Radio and Telegraph Company, New York, N. Y., a corporation of Delaware
Original application April 30, 1937, Serial No. 140,039, now Patent No. 2,195,880, dated April 2, 1940. Divided and this application September 29, 1939, Serial No. 297,063
2 Claims. (Cl. 250—11)

1. An antenna array comprising a radiator and a reflector, and means for tuning said reflector simultaneously to a plurality of different frequencies, the spacing between said radiator



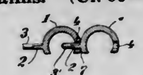
and reflector being not over .25λ at the highest frequency and greater than .08λ at the lowest frequency.

2,248,801
METHOD OF MAKING REFRIGERATING APPARATUS
Russell Bernt, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 25, 1938, Serial No. 210,016
3 Claims. (Cl. 113—112)



3. In the method of making a fluid tight heat exchanger by superimposing a corrugated sheet metal member upon another sheet metal member with a spelter material therebetween, the spelter material having a melting point lower than the melting point of the corrugated sheet metal members, and uniformly applying heat simultaneously over the entire exposed surfaces of the superimposed sheet metal members to melt the spelter material and bond the sheet metal members together around their peripheries and between the corrugations to form a plurality of closed passageways between the sheet metal members that step which consists in, placing an alcohol in the passageways between the sheet metal members and vaporizing the alcohol in the presence of the spelter material and portions of the sheet metal members to be bonded thereby during heating of the exchanger to utilize at least one of the thermal decomposition products of the alcohol for fluxing the union of the spelter material with the sheet metal members.

2,248,802
COSTUME JEWELRY
Adolph Better, New York, N. Y., assignor to Reinad Novelty Co., Inc., New York, N. Y.
Application April 10, 1941, Serial No. 387,817
5 Claims. (Cl. 59—80)

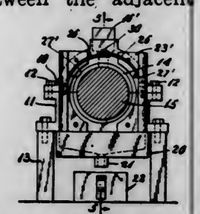


1. A cylindrical casting having a cross section of more than 180 degrees for forming a link in a flexible linkage and having a flange on one side projecting at a right angle therefrom, a recess on the opposite side for receiving a similar flange of another link of said linkage, and lips on said opposite side extending over said recess, said flange and said recess being equally spaced relatively to said sides, and a couple of prongs extending outwardly from said flange on opposite edges thereof.

2,248,803
OIL RETAINING PLATE
Hemel Bisher, New York, N. Y.
Application June 28, 1939, Serial No. 281,637
4 Claims. (Cl. 286—5)

1. In a device of the class described, oil retain-

ing plates, each retaining plate comprising a flange portion and an inwardly turned portion continuing from said flange portion and said inwardly turned portions being directed towards each other, and an auxiliary oil retaining strip disposed between the adjacent faces of said



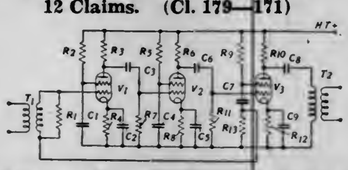
flange portion and said inwardly turned portion of each retaining plate, means for slidably holding said strips in position on said plates, means for limiting upward extension of said auxiliary strips, and means for securing together the extended ends of adjacent strips when extended upwards between the top ends of said plates.

2,248,804

CIRCUIT ARRANGEMENT AND THERMIONIC VALVE FOR AMPLIFYING ELECTRICAL OSCILLATIONS

Donald Harrison Black and Alleman Holly Roche, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application May 11, 1939, Serial No. 272,994
In Great Britain May 27, 1938
12 Claims. (Cl. 179—171)



1. Wave amplifier comprising an input circuit, an output circuit and electron discharge apparatus coupled therebetween said apparatus comprising a thermionic valve having a cathode, a control electrode and, beyond said control electrode from the cathode, an output electrode and a feedback electrode, separate load impedances, each effective throughout the operating frequency range of the amplifier, being connected respectively between said output electrode and said feedback electrode, and said cathode and means for feeding back to said input circuit a voltage derived from the load impedance connected to said feedback electrode to substantially decrease the gain throughout the operating frequency range.

2,248,805

PRISON BUILDING

William York Cocken, Jr., Pittsburgh, Pa.

Application August 9, 1938, Serial No. 223,785
4 Claims. (Cl. 189—5)



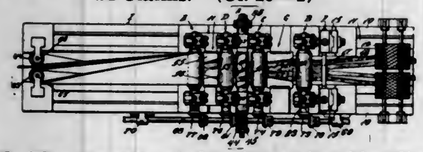
1. In a prison building, a cell block comprising a pair of oppositely disposed spaced parallel cell banks consisting of a plurality of terraced tiers of cells, a wall closing the outer end of the cell block, a partition closing the inner end of the cell block, stair wells within said block adjacent the inner ends of each cell bank, a corridor at each tier level outside of the partition, doorways in the partition between the ends of each tier and the adjacent corridor, and openings in the partition at selected corridor levels between the cell banks affording a clear view of the interior of the cell block.

2,248,806

METHOD AND APPARATUS FOR FORMING STAPLE FIBER

Nelson S. Campbell, Brookline, Mass.

Application May 29, 1937, Serial No. 145,425
24 Claims. (Cl. 19—1)



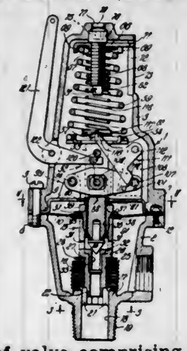
23. The process of forming spinnable sliver from filaments of continuous lengths which comprises continuously feeding a mass of filaments in generally parallel contiguous relation in a lengthwise direction, positively gripping said filaments while advancing to prevent lateral movement, and while so positively gripped cutting said mass of filaments while moving to provide staple fiber, and engaging and feeding the cut sections of staple fibers to a drawing apparatus while maintaining the fibers in substantially parallel position not depending on any substantial longitudinal pushing of one cut group of fibers upon another.

2,248,807

PRESSURE RELIEF VALVE

Oscar F. Carlson, Kenilworth, Ill., assignor of one-half to Oscar F. Carlson Company, Chicago, Ill., a corporation of Illinois, and one-half to Everett N. McDonnell, Chicago, Ill.

Application January 3, 1939, Serial No. 248,978
20 Claims. (Cl. 137—53)



17. A relief valve comprising, in combination, spring loaded pressure responsive means, a valve seat operatively connected with said yieldable pressure responsive means and movable therewith, a valve member for said valve seat, and spring biased detent means normally holding said valve member against said valve seat, movement of said valve seat and valve on pressure increase causing said biased detent means to release said valve member from said valve seat.

2,248,808

FOLDING OR SLIDING CLOTHES POLE

James Clink, East Cleveland, Ohio

Application March 31, 1939, Serial No. 265,226
1 Claim. (Cl. 248—353)



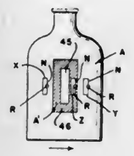
An extendible clothes pole comprising a plurality of pole sections adapted to be axially aligned, a sleeve member fixed to one of said pole sections and adapted to receive the end of the other of said pole sections, a member slidably connected to the pole section other than the pole section to which said sleeve member is connected, means for limiting the relative movement between said member and the pole section to which it is slidably connected, and means for pivotally connecting said member to said sleeve member.

2,248,809

REPRODUCING MACHINE

Everett J. Cook, Toledo, Ohio, assignor to H. H. Buggie & Company, Toledo, Ohio, a corporation of Ohio

Application May 29, 1939, Serial No. 276,425
9 Claims. (Cl. 90—13.5)



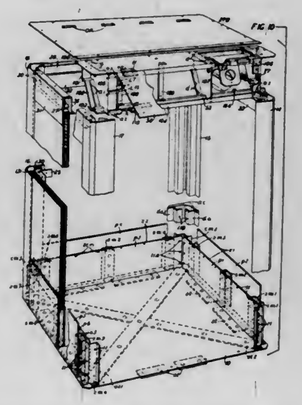
1. In a reproducing machine, a pattern having a contoured surface with a shaded record thereon, an optical system for scanning the contoured surface, said optical system embodying means for casting an image on the contoured surface of the pattern with a contour line representing one section of the surface and in addition provided with a light sensitive cell responsive to variations in the light intensity reflected from the contoured pattern surface at opposite sides of the contour line and also responsive to the light intensity reflected from the shaded record, a support for a work blank, a tool positioned opposite the work blank, and means controlled by the light sensitive cell when the intensity of light intercepted by the latter is increased to effect relative movement of the work blank and tool in directions toward each other and to effect relative movement of the work blank and tool in directions away from each other upon a decrease in the light intensity intercepted by the cell, whereby the shaded record is reproduced in cameo on the work blank.

2,248,810

TELEPHONE BOOTH

Frank S. Corso, Beechhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 24, 1939, Serial No. 300,916
12 Claims. (Cl. 189—2)



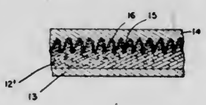
1. A telephone booth comprising a substantially rectangular shaped base, two side walls and a rear wall, a plurality of corner posts secured at their lower ends to projections carried by said base, means for securely holding said corner posts in spaced relation at their upper ends, means for securing said walls in assembled relation to each other and in relation to said corner posts, an apertured ceiling for said booth, a plurality of brackets carried by said first-mentioned securing means for supporting said ceiling, said ceiling having a peripherally disposed upwardly extending rim forming a container, sound-absorbing material in said container, and a roof for said booth secured to said first-mentioned means and disposed adjacent the edge of said rim.

2,248,811

METHOD OF MANUFACTURING FLOOR COVERINGS

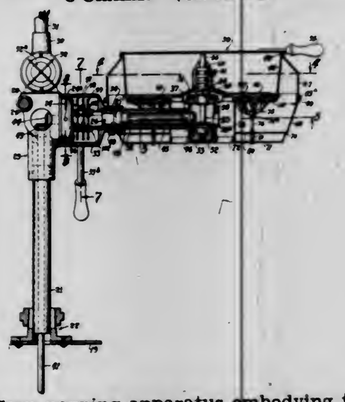
Don R. Cotterman, Pontiac, Mich., assignor to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan

Application April 18, 1938, Serial No. 202,775
5 Claims. (Cl. 18—55)



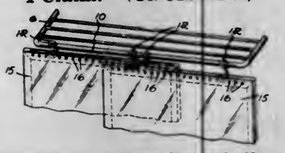
1. Those steps in the method of producing a carpet design on the tread surface of a mat formed of vulcanizable material which consist in providing a strip of carpet of the required size and having pile on the tread surface, treating the tread surface of the strip to impart rigidity to the pile, applying a molten material over the tread surface of the carpet to form a matrix of said surface, stripping the carpet from the material after the latter has set, and curing a sheet of vulcanizable stock with one surface of the stock in intimate contacting relation with the contoured face of the matrix.

2,248,812
CORN POPPING APPARATUS
Charles J. Cretors, Chicago, Ill.
Application October 6, 1938, Serial No. 233,545
8 Claims. (Cl. 53—4)



1. Corn popping apparatus embodying therein a popping pan having a bottom with a plurality of grooves in the underside thereof, heating elements in said grooves, members depending from said bottom, spiders disposed upon said members and having parts engaged with said elements, means on said members and engaged with said spiders for holding them in operative position with respect to said heating elements, and reflector means below said heating elements and supported by said members.

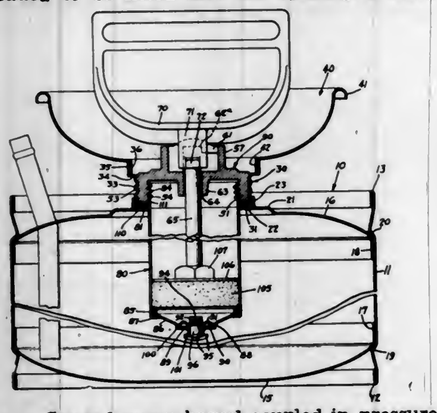
2,248,813
ART OF REFRIGERATION
John D'Arcey, Swampscott, Mass.
Application January 27, 1940, Serial No. 315,999
1 Claim. (Cl. 312—189)



In refrigerating apparatus of the kind described, having a shelf, said shelf having its outer edge adapted to receive a plurality of S-hooks, with one end of the hook slidable on the edge of said shelf, a plurality of transparent, non-breakable, screening elements mounted in overlapped arrangement, said screening elements having a plurality of holes along an edge portion thru which the lower parts of said S-hooks extend, whereby said screening elements are arranged for sliding longitudinally on said shelf individually, or may be united by said overlapping and interlocking with an S-hook for swinging movement as a unit.

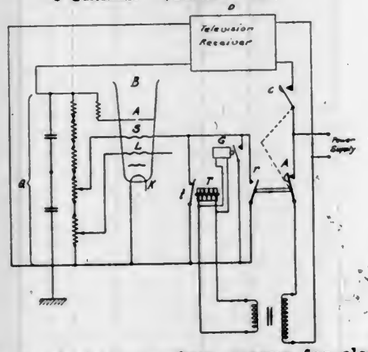
2,248,814
FLUID DISPENSER
Nicholas W. De Frees, Hastings, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota
Application August 19, 1940, Serial No. 353,178
9 Claims. (Cl. 221—77)

1. A device for dispensing fluids under pressure, a metal tank having an endwall, said endwall being provided with a circular opening, the metal of the tank being flanged outwardly around said opening, a circular internally threaded ring fitted in pressure tight relationship into the flanged opening, said ring being provided with an internal flange forming a gasket seat, said ring being positioned so that its inturned flange is within the confines of the tank flange so that the tank may be completely drained, a closure and pump assembly including a cover member threaded to be fitted into the opening of said



ring, a flanged pump barrel coupled in pressure tight relationship to the cover member, a gasket between the pump flange and the cover member, said gasket being of a size to seat on the gasket seat of the ring internal flange, said pump barrel being insertible through the ring so as to permit the gasket to be forced into pressure tight seating engagement with the internal flange of the ring when the cover member is threaded into the ring.

2,248,815
TELEVISION RECEIVER
Peter Deserno, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application July 22, 1939, Serial No. 285,836
In Germany August 4, 1938
6 Claims. (Cl. 250—27)



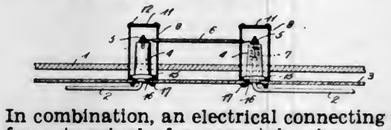
1. In a television receiver, means for closing and opening a feed circuit between the said receiver and a mains supply for rendering said receiver effective and ineffective, a cathode ray tube normally adapted to produce a cathode ray during the effectiveness of the said receiver, relay means for grounding one of the electrodes of said tube responsive to the closing of the said circuit for preventing during a predetermined period of time the said cathode ray tube from producing a cathode ray, and means responsive to the opening of the said circuit for grounding said one of said electrodes for immediately extinguishing the cathode ray which is produced by the said cathode ray tube after the lapse of the said period of time.

2,248,816
EYEGLASS PAD CONSTRUCTION
Edward Dobson, Newark, N. J.
Application December 16, 1939, Serial No. 309,542
4 Claims. (Cl. 88—48)



1. A pad construction for eyeglasses comprising a plastic body pad portion, a non-resilient metal base portion enclosed therein, formed of a single plate substantially in the shape of the pad and extending nearly to the edge thereof, said base portion being provided with two integrally formed branches bent toward each other from the outer edges of said plate in contact therewith thruout their length within said plastic, and extending outwardly therefrom to form arms resting parallel in contact with each other thruout their length and being adapted to fit in a slot of corresponding form and when the ends thereof are spaced from each other to hold said device in position with relation to said opening and prevent rotational movement therein, said plastic covering completely enclosing said metal base portion, and in the rear of the pad extending to the junction of the outwardly extending parallel arms.

2,248,817
ELECTRICAL HOUSING BOX
Vincent G. Eiben, Lakewood, Ohio
Application April 25, 1940, Serial No. 331,651
3 Claims. (Cl. 174—52)



1. In combination, an electrical connecting device for a terminal of a neon tube sign, a support, fastening means for mounting said connecting device on said support, a housing for said connecting device comprising a hollow body portion in which said connecting device is receivable, an inwardly extending flange formed at one end of said housing, said fastening means including an insert receivable within said housing against said flange, said insert being cooperative with said connecting device for exerting a clamping force against said flange to mount said housing on said support as a unit with said connecting device upon operation of said fastening means to mount said connecting device on said support, said housing being provided with an opening at the other end thereof to provide access to said connecting device for making an electrical connection, and a cover for said opening.

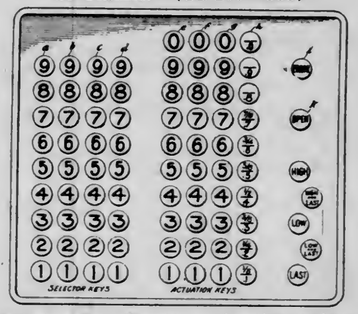
2,248,818
PINLESS DISPLAY AND CLOTHESLINE
Edward V. Effert, Philadelphia, Pa.
Application December 29, 1939, Serial No. 311,528
9 Claims. (Cl. 211—119.13)

1. A pinless display and clothes line consisting of a line having two separate strands side by side, stationary means to hold the strands together, some of which are arranged in pairs with the elements of each pair spaced to permit



severance of the line between them, and a multiplicity of clutch members slidably mounted on the line and retained thereon by the stationary means.

2,248,819
SIGNAL TRANSMITTING MEANS
Merton L. Haselton, Rye, N. Y., assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application January 20, 1928, Serial No. 248,069
Renewed October 10, 1939
29 Claims. (Cl. 177—353)

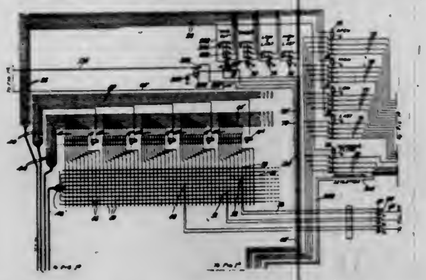


21. In a system for disseminating information in regard to stocks or other items, the combination of storage means for storing information as to the item designation and as to the price or value, a transmitting mechanism for transmitting signals under control of said storage means, range registering means, means under control of said range registering means for setting said transmitting mechanism in operation, means for locking said range registering means, means for setting up item designation and price or value in said storage means during operation of the transmitter while transmitting information under control of said storage means, and means for releasing said range registering means automatically at the conclusion of the operation of said transmitter whereby said range registering means may again be operated to immediately effect transmission of signals under control of the second set of storage devices.

2,248,820
ELECTRICAL INDICATING MEANS
Merton L. Haselton, New York, N. Y., assignor, by mesne assignments, to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application October 6, 1928, Serial No. 310,719
27 Claims. (Cl. 177—353)

15. Automatic posting board apparatus comprising a plurality of indicators for posting the varying quotations of stocks or other items, means controlled from a distance for selecting for operation any desired indicators to be reset, local means for restoring the selected indicators after selection thereof, to a normal position, and

means for receiving from a distance and effectively storing, during said restoration operation, groups of coded impulses representative of the



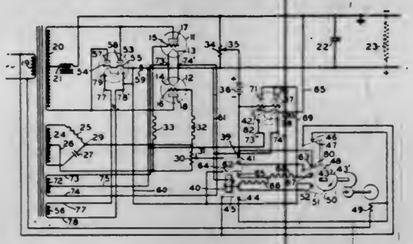
new quotation or quotations to be posted by the chosen indicators and for rendering said coded impulses effective to operate the indicators after the same have been restored to normal settings.

2,248,821

RECTIFIER AND CONTROL MEANS THEREFOR

Merton L. Haselton, Rye, and Harold F. May, Valley Stream, N. Y., assignors to Teleregister Corporation, New York, N. Y., a corporation of Delaware

Application December 31, 1938, Serial No. 248,788
10 Claims. (Cl. 175—363)



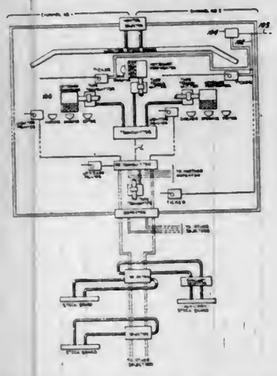
1. An alternating current rectifier system comprising a gas filled grid controlled rectifier having main discharge anode and cathode electrodes and a control electrode, a source of alternating current supply connected to the rectifier input circuit, and control means for impressing upon the control electrode an alternating potential of the same frequency as, but out of phase with, the potential of said supply current, said control means also including means for impressing upon said control electrode an auxiliary potential, and means for varying the auxiliary potential to control the firing point of the rectifier during each active cycle thereof, said last named means comprising an impedance in the output circuit of the rectifier for producing a potential that varies with the rectifier output potential, a source of fixed reference potential connected in circuit with said impedance in opposition to the potential produced by said impedance and a thermionic tube having its grid circuit controlled by the impedance and source of fixed reference potential, means comprising a reactance in circuit with the main rectifier output circuit and an auxiliary rectifier in circuit with said reactance for applying to the plate circuit of said thermionic tube a potential invariably higher than the potential of the rectifier output circuit to increase the range of control and sensitivity of the rectifier control circuit, means including said thermionic tube for producing a potential that varies with the thermionic tube plate current, and means for impressing the last named potential on said rectifier control electrode.

2,248,822

SIGNALING SYSTEM

William F. Quinby, Long Island City, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware

Application December 21, 1935, Serial No. 55,510
Renewed June 7, 1939
35 Claims. (Cl. 177—35.3)



32. In a quotation system, a transmitting station for transmitting in succession groups of permutation code signals comprising quotations regarding stocks or other items, a retransmitting station, a plurality of subscribers' stations, circuits connecting said subscribers' stations with said retransmitting station, said retransmitting station having means for receiving and translating said permutation code signals into item selection and price signals each comprising a series of stepping impulses for transmission over said circuits, and also having means for adding restoration impulses, said subscribers' stations each comprising a plurality of groups of indicators operable to different positions for displaying quotations and having means for restoring the indicators to normal, and means responsive to said stepping impulses transmitted by the retransmitting station for selecting and operating certain of the indicators of the selected stock or other item in each of the subscribers' stations and responsive to said restoration impulses for normalizing the same.

2,248,823

METHOD FOR EXTRACTING DRYING OILS FOR COATING COMPOSITIONS

Floyd R. Quinby, Houston, Tex., assignor of one-half to Kirk Griggs, Houston, Tex.

No Drawing. Application September 15, 1938, Serial No. 230,114
2 Claims. (Cl. 260—412.3)

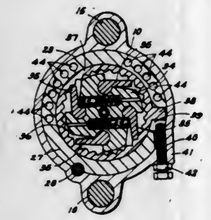
1. The method of extracting oil from the kernels of the nut of the tree *Sapium sebiferum* which consists in boiling the tallow-covered nuts to remove the major portion of the tallow surrounding said nuts, then washing said nuts in an alkaline solution to saponify the tallow remaining on said nuts, washing said nuts to remove the saponified tallow, and crushing the tallow-free nuts, and separating the oil from the meat of the kernel.

2,248,824

ROCK DRILL ROTATION MECHANISM

Led L. Richardson, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application March 9, 1940, Serial No. 323,231
3 Claims. (Cl. 121—7)



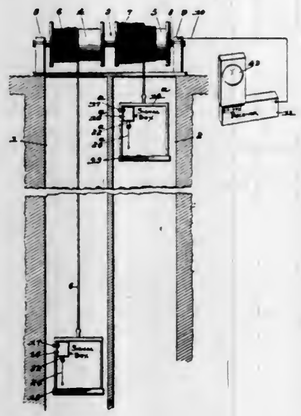
1. In a rock drill, a cylinder having a piston reciprocable therein and capable of rotation, a rotation mechanism for said piston including a ratchet ring oscillably mounted in said cylinder, a rifled stem engaged with said piston, pawls operatively connecting said ring to said stem, and means for controlling the extent of the oscillatory movement of said ring during the normal operation of said mechanism.

2,248,825

ELECTRIC MINE SHAFT SIGNAL SYSTEM

Richmond L. Rutherford, Superior, Ariz.

Application March 16, 1939, Serial No. 262,279
6 Claims. (Cl. 177—336)



2. A mine-shaft signal system comprising a hoisting apparatus at the entrance of the shaft and a cage, radio signal transmitting means in the cage for producing sharply tuned impulses, a metal cable having the cage attached to one of its ends and being secured at its other end to the hoisting apparatus, said cable being in electrical connection with said signal transmitting means and constituting part of the oscillator circuit thereof, and a radio receiver tuned sharply to a different frequency from that of the signal transmitting means and being in electrical connection with the hoisting apparatus to respond to said impulses.

2,248,826

RECOVERY OF ALUMINA

Jean Charles Séailles, Paris, France, and Walter Robert Gustav Dyckerhoff, Mainz-Amoneburg, Germany; said Dyckerhoff assignor to said Séailles

No Drawing. Application July 19, 1938, Serial No. 220,002. In Luxemburg August 2, 1937
9 Claims. (Cl. 23—143)

1. The process of recovering alumina of high purity from materials containing insoluble aluminum compounds and a significant percentage of foreign matter including an insoluble silicon derivative, which comprises calcining a mixture of this material with a basic calcium compound whereby a highly water soluble calcium aluminate is formed, said calcium compound being employed in the ratio calculated according to the formula

$$1SiO_2:2CaO$$
$$1Al_2O_3:1.3\text{–}2.0CaO$$
$$1TiO_2:1\text{–}2CaO$$

followed by lixiviation with an aqueous liquid to separate the soluble calcium aluminate from the insoluble calcium silicate and treating this calcium aluminate solution for the recovery of high purity alumina.

2,248,827

DIALKYL-CYCLOHEXYL-PHENOLS

Donald R. Stevens, Swissvale, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application April 11, 1938, Serial No. 201,457
5 Claims. (Cl. 260—619)

1. A 2,4,6-tri-substituted phenol in which two of the substituents are alkyl groups and the third substituent is a cyclo-hexyl group.

2,248,828

2,4,6-TRI-TERTIARY-BUTYL PHENOL

Donald R. Stevens, Swissvale, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Original application April 12, 1937, Serial No. 136,504. Divided and this application January 16, 1939, Serial No. 251,281
1 Claim. (Cl. 260—624)

2,4,6-tri-tertiary-butyl phenol.

2,248,829

2,4,6-TRI-TERTIARY-AMYL PHENOL

Donald R. Stevens, Swissvale, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Original application April 12, 1937, Serial No. 136,504. Divided and this application January 16, 1939, Serial No. 251,283
1 Claim. (Cl. 260—624)

2,4,6-tri-tertiary-amyl-phenol.

2,248,830

ALKYLATED PHENOL

Gordon H. Stillson, Oakmont, and David W. Sawyer, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

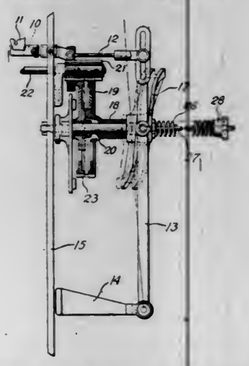
No Drawing. Application April 26, 1939, Serial No. 270,232
1 Claim. (Cl. 260—624)

2 - tertiary - butyl - 4 -methyl-6-tertiary-amyl-phenol.

2,248,831
ALKYLATED PHENOL
Gordon H. Stillson, Oakmont, and David W. Sawyer, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application May 24, 1939, Serial No. 275,538
1 Claim. (Cl. 260—619)

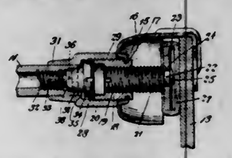
2,6-di-tertiary-butyl-4-benzylphenol.

2,248,832
TRAVERSE MECHANISM FOR TEXTILE MACHINES
Howard W. Taylor, Westerly, R. I., assignor to The Atwood Machine Company, Stonington, Conn., a corporation of Connecticut
Application May 14, 1940, Serial No. 335,071
4 Claims. (Cl. 242—158)



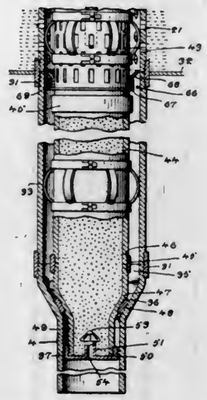
1. A traverse mechanism for textile machines comprising in combination, a traverse bar, an operating lever therefor, a cam engaging said lever, means to rotate said cam, supplementary cams of varying heights on a face of said rotating means, and a projection successively engaging said supplementary cams surfaces during rotation of said cam to laterally move said cam during its rotary movement.

2,248,833
REAR VISION MIRROR
Joseph O. Thibault, Bridgeport, and Gustave F. Bahr, Fairfield, Conn., assignors to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application December 3, 1937, Serial No. 177,900
10 Claims. (Cl. 248—226)



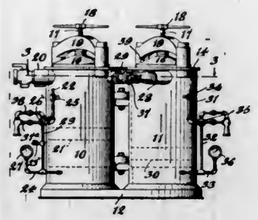
1. In a device of the type described, the combination of a mounting rod; an attaching bracket; a collar secured to the bracket and receiving the opposite end of the rod, said bracket comprising a fixed jaw adapted to engage a support; a movable jaw cooperating therewith; and a screw adapted to clamp the fixed and movable jaws in holding engagement with said support, said screw being located within said collar and concealed by the collar and rod.

2,248,834
SAND TRAP AND FILTER FOR OIL WELLS
Stephen J. Thomas, Long Beach, Calif.
Application January 22, 1940, Serial No. 315,070
9 Claims. (Cl. 166—5)



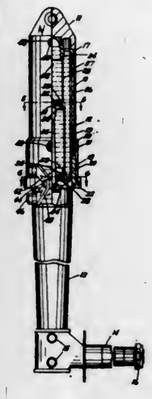
1. In an oil well construction, a sand trap comprising an impervious tubular casing adapted to be disposed below the oil bearing strata; and an impervious tubular liner of lesser diameter than the casing disposed concentrically in the casing and being entirely enclosed thereby, the lower end of the said liner having a sealed engagement with but not connecting to the casing and having an open top to permit passage of a fluid therein and a perforate bottom to permit fluid in the casing to have access into the liner when the lower end of the same is lowered into engagement with the casing.

2,248,835
STUFFING APPARATUS
Adrian C. Van Hooydonk, Buffalo, N. Y., assignor to John E. Smith's Sons Company, Buffalo, N. Y., a corporation of New York
Application March 11, 1939, Serial No. 261,251
4 Claims. (Cl. 17—39)



1. A machine of the character described, comprising a working cylinder constituting a container for material to be extruded and having an outlet, means for expelling the material through said outlet, an auxiliary cylinder disposed in cooperating relation with said working cylinder and constituting a container for the material, a passage connecting said cylinders, means for discharging the material introduced into said auxiliary cylinder through said passage into said working cylinder, and means for cutting off communication between said cylinders.

2,248,836
SHOCK ABSORBING STRUT
John F. Wallace, Shaker Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application May 5, 1939, Serial No. 271,926
7 Claims. (Cl. 267—64)



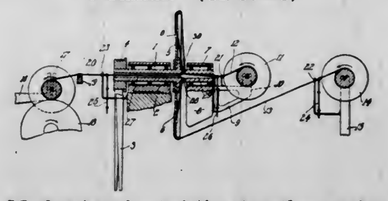
1. A shock absorbing strut comprising upper and lower telescoping cylinders having fluid stored therein, an inner tube supported and fixed concentrically within the upper cylinder, a piston on the lower end of said tube having an orifice and a by-pass opening into said tube, a metering pin within the lower cylinder slidable through said orifice, a flap valve on said piston permitting flow of fluid only downwardly through said by-pass, a valve seat supported by and fixed within said tube at a place intermediate the ends thereof having a port therethrough, and a flap valve carried by said seat movable into open or closed position relative to said port.

2,248,837
CUSTOM-MADE HEARING AID RECEIVER TIP
Frank D. F. Walters, Easton, Pa., assignor of one-half to Mabel A. E. Walters, Easton, Pa.
Application August 5, 1938, Serial No. 223,318
4 Claims. (Cl. 179—182)



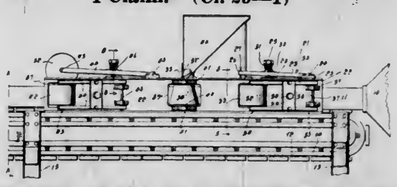
1. A device of the general character described including a hollow shell-like tip characterized by a thin wall, the outer and inner surfaces of which conform approximately to the concha of the wearer's ear, presenting an inner chamber only lessened in cubic capacity by the thickness of the wall from the normal cubic capacity of the concha, and opening unobstructedly to the diaphragm of a sound receiver to which the tip is adapted to be attached, the tip having a projection adapted to enter the recess underneath the helix of the ear in the region of the fossa of antihelix, whereby the device provides a lining for the concha of the ear and is rendered entirely self-retaining in the ear.

2,248,838
MACHINE FOR TWISTING TOGETHER THREADS OR THE LIKE
John Stephen Walters, Glemsford, England
Application May 20, 1940, Serial No. 336,289
In Great Britain May 22, 1939
9 Claims. (Cl. 57—3)



1. Mechanism for twisting together a plurality of yarns, comprising supply packages for outer and inner yarns, means rotatable relatively to said supply packages for rotating both outer and inner yarns about a common axis and forming a balloon of the outer yarn about the supply package for the inner yarn and to lay one yarn symmetrically about the other yarn and form a finished yarn free of twist of each of the component yarns individually about its own axis.

2,248,839
BRICK FINISHING MACHINE
Walter C. Wandroik, Northbrook, and Henry Krisor, Morton Grove, Ill.
Application June 22, 1939, Serial No. 280,638
1 Claim. (Cl. 25—1)

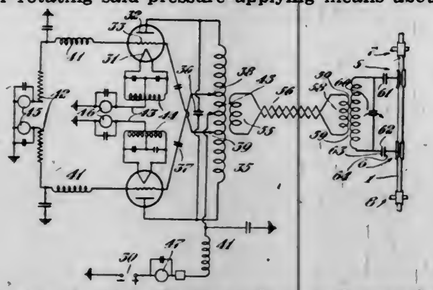


Apparatus of the class described comprising a pair of parallel, horizontally disposed beams between which a column of plastic material is adapted to pass, a substantially horizontally disposed lever positioned at the tops of the beams, means securing said lever to the tops of the beams for pivotal movement, roughening elements carried by the lever adjacent one end thereof and operable in the space between the beams to engage the column, a plate disposed across the top of the beams between the fulcrum of the lever and said elements, a screw passing loosely through the lever and threaded to the plate, and a spring surrounding the screw and bearing on the upper surface of the lever for urging the elements downwardly, said beams having openings therethrough, levers pivoted to the outer sides of the beams, surfacing rollers carried by the second-mentioned levers and positioned in the openings for engagement with the column, and spring means associated with the second-mentioned levers for urging said rollers into engagement with said column.

2,248,840
APPARATUS FOR AND METHOD OF TREATING STRAND MATERIAL
Howard M. Wilkoff, Worcester, Mass.
Application December 22, 1939, Serial No. 310,661
11 Claims. (Cl. 173—244)

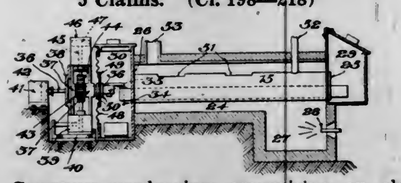
1. Apparatus for heat and mechanical treatment of an insulated electrical conductor, said

apparatus comprising means for generating high frequency current, spaced pressure-applying means each having a passage for said conductor, each passage being of substantially uniform cross-sectional area from end to end, means operative to cause relative axial movement of the conductor and the pressure-applying means, means for rotating said pressure-applying means about



the axis of said conductor, and means for supplying the said pressure-applying means, as the plates of a condenser, with high frequency energy from said generating means whereby a high frequency electrical field is set up between said pressure-applying means, the insulation of the conductor acting as a di-electric which is heated by the field while being compressed by the rotating pressure-applying means.

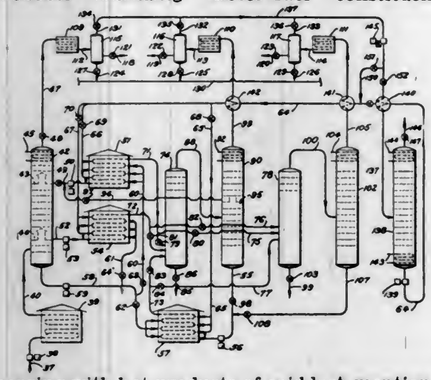
2,248,841
APPARATUS FOR HANDLING MATERIALS
Neville Rupert Anderson, Sydney, New South Wales, Australia
Application June 8, 1938, Serial No. 212,579
In Australia July 14, 1937
5 Claims. (Cl. 198—218)



1. Conveyer mechanism comprising an elongated tube member, an elongated inner material carrying member disposed longitudinally therein in contact with the wall thereof, means to reciprocate one of said members longitudinally with respect to the other, and means periodically and independently to turn said inner member on a longitudinal axis in said outer member.

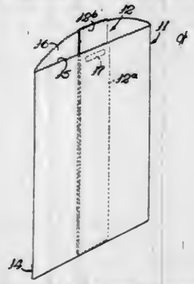
2,248,842
MOTOR FUEL PRODUCTION
George Armistead, Jr., Scarsdale, N. Y., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
Application October 23, 1937, Serial No. 170,603
3 Claims. (Cl. 196—9)

1. The method of treating hydrocarbons to produce therefrom motor fuel of high anti-knock value which comprises fractionating a crude oil in a fractionating zone to separate therefrom a naphtha distillate, a virgin gas oil, and hydrocarbon oil higher boiling than said virgin gas oil, separately subjecting said virgin gas oil in a single pass cracking zone to cracking conditions of temperature and pressure to effect substantial conversion thereof to lower-boiling products including motor-fuel constituents of high anti-knock value, fractionating the resultant conversion products in a second fractionating zone to separate therefrom motor-fuel condensate, a gas-oil condensate above the motor-fuel boiling range and normally gaseous hydrocarbons predominating in hydrocarbons heavier than ethane, separately subjecting gas-oil condensate thus obtained to cracking conditions of temperature and pressure in the first portion of a separate cracking zone to effect conversion thereof to lighter products including motor-fuel constituents,



merging with hot products of said last-mentioned cracking operation higher-boiling hydrocarbon oil from said crude oil fractionation and normally gaseous hydrocarbons thus obtained, subjecting products of said merging operation in the second portion of said separate cracking zone to cracking conditions of temperature and pressure to effect conversion thereof to motor-fuel constituents of high anti-knock value and subjecting the resulting products of conversion to fractionation, separately from said fractionation of the crude oil, to recover a motor-fuel product.

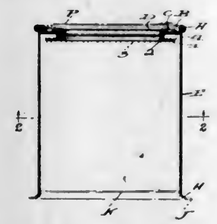
2,248,843
LIFTING STRIP BAG
Harry D. Atwood, Highland Park, Mich., assignor to Klean Holder Corporation, Detroit, Mich., a corporation of Michigan
Application October 23, 1939, Serial No. 300,763
2 Claims. (Cl. 206—56)



1. As an article of manufacture, a bag made of sheet material and having a tubular body with a closed bottom and an open mouth, a portion of the bag body being extended at said mouth beyond the edge of the opposite portion to form a flap at the bag mouth, a lifting strip formed of sheet material doubled upon itself and extending down into the interior of the bag with its folded end in the lower portion of the bag, one end portion of said strip being adhesively secured to the inner surface of the bag

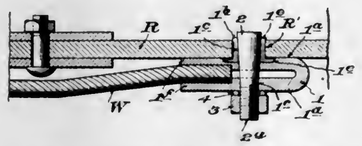
body opposite said flap, and the other end of said strip being extended beyond said one end portion of the strip substantially coextensive with said flap.

2,248,844
RECEPTACLE AND RECEPTACLE HEAD
Seymour Batdorf, Lancaster, Pa., assignor to Liberty Can and Sign Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 28, 1936, Serial No. 76,817
2 Claims. (Cl. 220—27)



1. A receptacle comprising a body and a head suitably secured to said body to close one end thereof, said head having an imperforate web and a wall depending from said web and defining the usual discharge opening, in combination with a collar disposed about said wall, an imperforate frangible closure seal extending across the area defined by said wall and having its marginal portion clamped with an air-tight frictional engagement between the opposing faces of said wall and collar, and a flange integral with said collar disposed substantially perpendicularly to the axis of said collar and extending therefrom outward to such distance that its outer edge will be located at all points so closely adjacent to the inner face of said body as to prevent articles contained within the receptacle from working between said body and said outer edge of said flange.

2,248,845
RAIL BOND
Jacob B. Beam, Punxsutawney, Pa., assignor to Punxsutawney Electric Repair Co., Inc., Punxsutawney, Pa., a corporation of Pennsylvania
Application May 10, 1940, Serial No. 334,455
2 Claims. (Cl. 173—283)



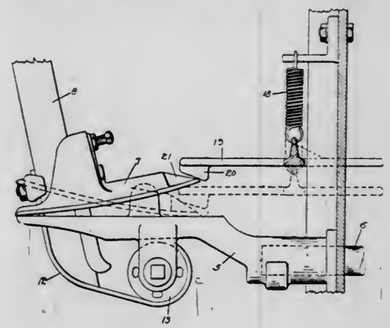
1. A bond terminal for rails having holes in the webs thereof, comprising an integral yieldable U-shaped body of electrically conductive material having aligned bores extending through the legs thereof, and having a split cable receiving socket formed by opposed recesses in the outer portions of said legs; an expansible boss of slightly less size than the hole in the rail web extending from the outer side of one leg and having a bore extending therethrough registering with the first mentioned bores; a bolt having a boss expanding head of less maximum diameter than the aperture in the rail flange confined in the bore of the boss and having a shank extending through the first mentioned bores; and a nut threaded on the shank and engaging the outer side of the other leg whereby upon loosening the nut said boss may be inserted in the hole in the rail web and a bonding cable of various different types and sizes inserted in the split socket without removing the bolt and nut from the body, and upon subsequent tightening of the nut said bolt will expand the boss and secure the body to the rail to bind the end of the cable therein.

2,248,846
VACUUM ELECTRIC SWITCH AND PLATE
John A. Brewer, Kalamazoo, Mich.
Application May 9, 1940, Serial No. 334,263
4 Claims. (Cl. 200—33)



2. A device of the class described having a pair of contacts, a vacuum cup engageable with one of the contacts to maintain it in closed relation to the other, deformable spring means mounting the vacuum cup for engagement with the co-acting contact, said spring means having an arcuate portion normally maintaining the vacuum cup retracted and returnable to normal shape through its resilience.

2,248,847
SHUTTLE EJECTOR
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application June 6, 1940, Serial No. 339,151
6 Claims. (Cl. 139—146)



1. In a fly shuttle loom having shuttle picking mechanism including a picker stick, a rocker shoe fixedly attached thereto, a parallel on which said shoe rocks and loom actuated mechanism for moving said picker stick, the combination with said picking mechanism of manually operable separate means for actuating said picking mechanism while the loom is not in normal operation, said manual means comprising normally inoperative means manually movable to press upon said rocker shoe to actuate said picker stick.

2,248,848

MINERAL OIL COMPOSITION

Ronald Bulkley, Pitman, Lyle A. Hamilton, Wenonah, and Vladimir A. Kalichevsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application January 24, 1939, Serial No. 252,542
2 Claims. (Cl. 252—46)

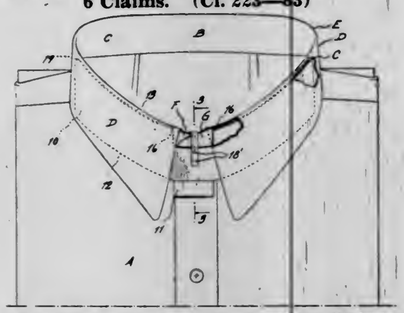
1. A lubricating oil composition relatively stable against the formation of acidic products of oxidation comprising a completely refined lubricating oil which is not so stable, and which oil is initially free of any acidic constituents, and in addition thereto a controlled small amount but not in excess of about 0.5% by weight of oil soluble sulphonic acids derived from the treatment of lubricating oil fractions with relatively strong sulphuric acid.

2,248,849

COLLAR SUPPORT

Caesar A. Calder, Verona, and Louis E. Shaw, East Orange, N. J.; said Shaw assignor to said Calder

Application April 6, 1939, Serial No. 266,302
6 Claims. (Cl. 223—83)



1. A cardboard support designed to fit between the leaves of the collar of a freshly laundered shirt, comprising a strip of cardboard having a wide-spreading V-form, said strip provided at its exterior angle with a tab projecting from the lower edge of the strip and at its internal angle with a rectangular recess in the center of the upper edge of the support, each upstanding side edge of the recess coacting with the adjacent upper edge of the strip to form a sharp angled corner, and an initially flat easily bendable metal clip having one end secured to the strip between the tab and recess and its other end extending across and beyond said recess in spaced relation to both of said sharp angled corners.

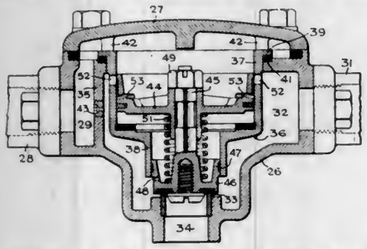
2,248,850

VALVE FOR AIR BRAKES AND THE LIKE

Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application June 26, 1940, Serial No. 342,585
6 Claims. (Cl. 303—69)

1. A quick release device for interposition between a supply-and-exhaust valve and a space to and from which it supplies and exhausts pressure fluid, said device comprising in combination a body having a supply chamber arranged for connection with such valve, an exhaust chamber arranged for connection with such space, and a large capacity exhaust port leading from said exhaust chamber; a movable abutment separating, and subject on opposite sides to fluid pressures in, said chambers; a vent valve controlling said exhaust port and connected to be actuated by said abutment; means forming a loaded back pressure valve for permitting one-way flow from



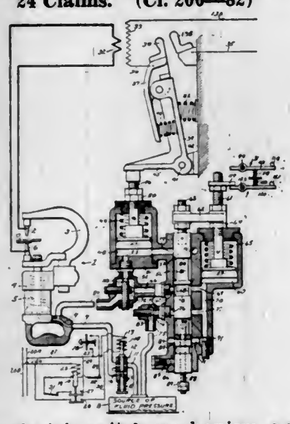
the supply to the exhaust chamber; and valve means associated with said abutment and serving to open a passage of substantial flow capacity from the exhaust chamber to supply chamber when and only when the abutment moves into an extreme vent valve-opening range.

2,248,851

FLUID PRESSURE OPERATED CONTACTOR

Harry R. Canfield, Cleveland, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio

Application September 30, 1937, Serial No. 166,600
24 Claims. (Cl. 200—82)



1. In an electric switch mechanism, a normally open electric switch, an expansible and contractable walled chamber having a pressure movable wall arranged to move and close the switch when fluid pressure is supplied to the chamber and to hold it closed so long as the fluid pressure is maintained in the chamber, and fluid pressure responsive means to exhaust pressure from the chamber to effect restoring of the switch after a predetermined time interval following closure of the switch.

2,248,852

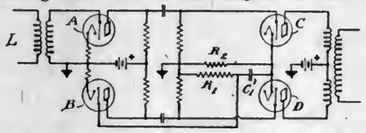
PHASE INVERTER FOR PUSH-PULL AMPLIFIERS

William D. Cannon, Metuchen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application April 12, 1940, Serial No. 329,350
4 Claims. (Cl. 179—171)

1. In a signal wave transmitting apparatus, a push-pull amplifier comprising two electron

tubes having an input circuit including portions individual to said tubes and a grounded circuit common to the cathodes of said tubes including a self-bias resistance, an unsymmetrically grounded line, a non-inductive coupling means for connecting the line to the input of one tube, without substantial phase change and means for connecting the line to the input of the other



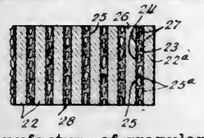
tube with interposed phase reversal, said means including an auxiliary electron tube having its input connected so as to be actuated by any signal voltage components occurring between said cathodes and ground and having its output connected to the input of the other of said tubes, to thereby counteract any tendency to unbalance between said tubes.

2,248,853

ABRASIVE ARTICLE AND METHOD OF MAKING SAME

Richard Paul Carlton and Theodore Joseph Miller, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Original application June 1, 1933, Serial No. 673,886. Divided and this application June 3, 1940, Serial No. 338,612
3 Claims. (Cl. 51—298)



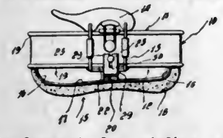
1. In the manufacture of granular coated sheet material comprising a backing and elongated abrasive granular material adhered thereto by an adhesive, the step of controlling the deposition of said granular coating material on said sheet whereby the major axes of substantially all of the particles of said granular material are uniformly arranged in substantial parallelism with respect to each other and to the surface of said backing sheet.

2,248,854

SHOULDER REST FOR VIOLINS

Delos Frederick Coffeen and Fredric H. Ingersoll, South Bend, Ind.

Application December 19, 1940, Serial No. 370,878
5 Claims. (Cl. 84—280)



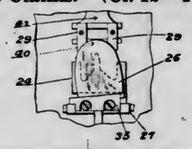
1. An attachment for violins comprising an elongated shoulder rest having curved upwardly extending ends for bearing against the bottom plate of a violin for spacing the intermediate portion therefrom, a support including a bracket having an elongated arm attached at one end thereof to the inner side of the shoulder rest, an angle plate having one side disposed against the bottom plate of the violin and beneath a portion of a chin rest clamp for clamping said plate to the violin, a set screw in the other portion of said plate, and said arm being provided with an angularly disposed extension at its opposite end provided with an elongated slot opening outwardly of the free end thereof for engaging the shank of the set screw for adjustably fastening said arm to the plate.

2,248,855

CUTTING DEVICE FOR HEEL BREASTS

Charles H. Coulson, Hanover, Pa.

Application June 11, 1940, Serial No. 339,986
3 Claims. (Cl. 12—47)



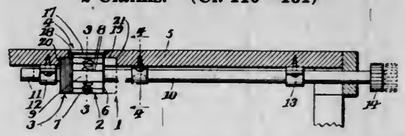
1. In a machine for cutting breasts of heels, a breasting knife comprising a flat shank, said shank having a pair of flat faces and a shoulder extending laterally from the lower end of one face and at one side of the center of said shank, a curved blade projecting downwardly from the shoulder, a second curved blade projecting downwardly from the shank at the other side of the center and merging into the first-mentioned curved blade to form a continuous cutting edge, the second blade being confined between planes passing through the opposite flat faces of shank, the blades being curved in opposite directions, one blade being curved along an arc which has a smaller radius than the radius of the arc of the other curved blade.

2,248,856

BRIDGE INDICATOR

Armin J. Dieckmann, Saginaw, Mich.

Application June 21, 1939, Serial No. 280,383
2 Claims. (Cl. 116—131)



1. An indicator comprising a table portion having a window and a recess defining a pair of end shoulders, an indicator device having a head partly occupying said recess but being shorter than the recess, said head having contiguous indicia and signal bands adapted to be seen through said window, a shaft included in said device being of less size than the head, and bearings slidably and turnably attaching the shaft to the table portion and maintaining said head in the recess in registration with said end shoulders, thereby to limit the push and pull movements of said device by the engagements of the head with the respective shoulders.

2,248,857

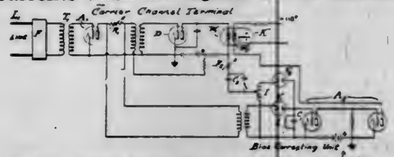
AUTOMATIC BIAS CORRECTOR

George L. Erickson, Hasbrouck Heights, N. J., and John E. Boughtwood, Brooklyn, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application September 20, 1938, Serial No. 230,882
11 Claims. (Cl. 178—66)

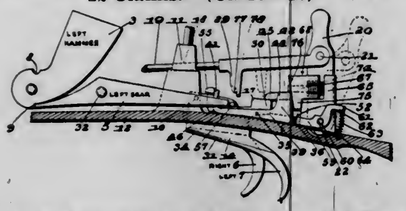
1. The method of continuously maintaining the proportionality of a direct current flowing through one winding of a polar relay and the maximum amplitude of signaling current flowing through another winding of said relay in carrier telegraph circuits, which consists in controlling the amplitude of the current flowing in

said first winding by the received carrier signaling currents when the signals are of maximum



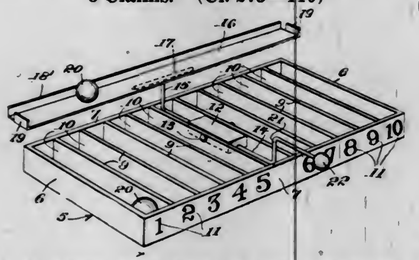
length and supplementing said control by demodulated telegraph signals when minimum length signals are received.

2,248,858
SINGLE-TRIGGER DEVICE
Frederick T. Fahlen, Phoenix, Ariz.
Application July 23, 1938, Serial No. 220,972
12 Claims. (Cl. 42—42)



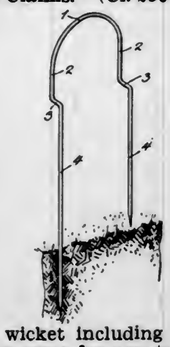
1. In a double-trigger, double-barreled fire arm having a pressure actuated hammer for each barrel and a pivoted sear to hold each hammer in a cocked position, a single-trigger device comprising a body, arms projecting from said body, means connecting the arms and forming a shoulder, said arms having fulcrum points initially partially disposed beneath the sears, latch means contacting a part of the body to initially hold the shoulder away from the trigger blade, a spring constantly tending to push the single-trigger device into a position of engagement of the shoulder with said trigger blade, and a movable push block constantly held against the body, being an intermediary between the spring and said device, transmitting the spring-push after the first pull of one of the triggers by which pull one of the sears is lifted thereupon to move said device so as to bring the shoulder within engaging range of the trigger blade and the fulcrum points of said arms farther under the sears and closer to the pivots thereof, preparatory to a lever-action upon both sears through the initial operation of the single-trigger device by a second pull of said one trigger.

2,248,859
GAME APPARATUS
Andrew Ferreri, Chicago, Ill.
Application September 9, 1940, Serial No. 356,051
5 Claims. (Cl. 273—110)



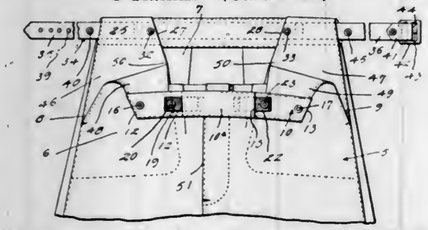
1. A game apparatus of the character described comprising a base member, a block pivotally mounted on said base member, means attached to said block for imparting a rocking motion thereto, and a longitudinally disposed bar connected to said means adapted to be actuated upon rocking said block.

2,248,860
FENCE WICKET
Oscar B. Fetterman, Washington, D. C.
Application December 23, 1940, Serial No. 371,459
5 Claims. (Cl. 256—33)



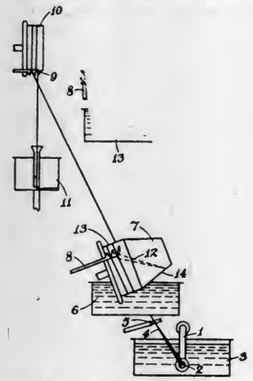
1. A fence wicket including a bridge portion and depending arms for penetrating the ground and supporting the wicket, each arm having a portion bent to extend laterally from a side of the wicket and provide an impact receiving means for forcing the arms into the ground, and thereby the bridge portion is offset with respect to the arms without increasing the width of the wicket.

2,248,861
ARTICLE OF WEARING APPAREL
Edward Friedman, Lawrence, N. Y.
Application October 30, 1940, Serial No. 363,553
5 Claims. (Cl. 2—237)



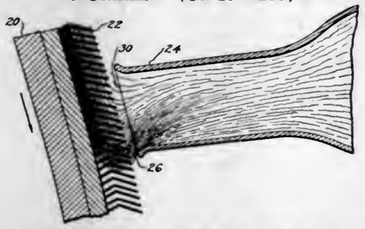
5. In an article of wearing apparel a body part formed with an automatically extendible and contractible waist band formed of a separate front section and a separate channeled rear section, the ends of said front section overlapping the ends of said rear section, an automatically extendible and contractible continuous belt formed of an elastic portion and a pair of oppositely disposed non-elastic portions secured to the ends of the said elastic portion, said elastic portion arranged completely within and anchored intermediate its end to said rear section intermediate the ends of the latter, said non-elastic portions arranged within and extending outwardly from said rear section rearwardly of its ends and overlapping the outer face of said front section, means for connecting each of said non-elastic portions intermediate its ends to the front face of said front section at a point removed from the vertical center of such section whereby the sections of the waist band are connected together in overlapping relation, and said belt having its non-elastic portions provided with coacting means for detachably connecting the ends of the belt together at the front of said front waist band section.

2,248,862
MANUFACTURE AND PRODUCTION OF ARTIFICIAL FILAMENTS AND APPARATUS THEREFOR
John Harrison Givens, Coventry, England, assignor to Courtaulds, Limited, London, England, a British company
Application January 8, 1938, Serial No. 184,102
In Great Britain January 8, 1937
5 Claims. (Cl. 18—8)



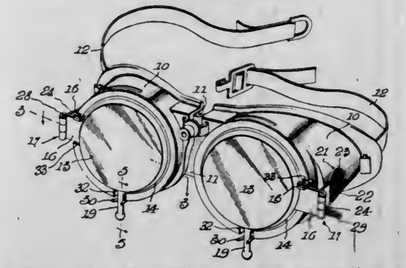
2. Apparatus for treating threads with liquid, comprising a tank for holding said treating liquid, a draw off device, and a godet having a cylindrical portion partially immersed in the treating liquid, in combination with a guide adjacent said partially immersed cylindrical portion, and tapered godet means above the surface of said liquid for receiving the leading end of the thread, said guide and tapered godet means cooperating to feed said leading end onto the cylindrical portion and into said liquid.

2,248,863
CARD STRIPPING APPARATUS
William H. Goldsmith, Jr., Brookline, Mass., assignor to Abington Textile Machinery Works, Boston, Mass., a trust of Massachusetts
Application May 21, 1940, Serial No. 336,401
9 Claims. (Cl. 19—109)



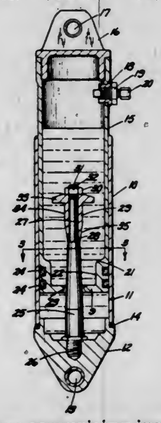
1. The combination with a working toothed cylinder of a suction nozzle having an open mouth arranged in close proximity to the teeth of the cylinder and designed for the passage of air suction therethrough leading from the teeth of the cylinder interiorly of the nozzle, the nozzle having a relatively smooth rounded entering surface adjacent the periphery of the cylinder to permit cotton strippings to be drawn from the cylinder teeth into the length of the nozzle smoothly and continuously without catching or tearing.

2,248,864
SAFETY GOGGLES
Ernst W. Greiner, New Castle, Pa.
Application April 4, 1940, Serial No. 327,892
7 Claims. (Cl. 2—14)



1. In a pair of goggles, an eye-encircling wall, a lens normally occupying a closed position at the front end of said wall, a vertical-axis hinge connecting said lens with said wall and permitting outward and rearward swinging of said lens to an open position in which it extends longitudinally at the outer side of said wall, a finger-piece projecting downwardly from said lens for swinging it to and from open and closed positions, a spring detent for holding said lens in closed position until forced therefrom, and an additional spring detent for holding said lens in open position until forced from this position.

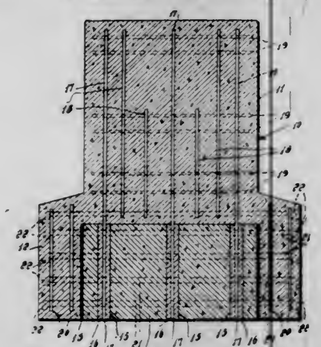
2,248,865
SHOCK ABSORBING STRUT
Arthur W. Griepenstroh, Garfield Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application April 11, 1939, Serial No. 267,276
5 Claims. (Cl. 267—64)



1. A shock absorber comprising inner and outer telescoping casings having liquid stored therein, end closures for the remote ends of said casings, a piston on the other end of the inner casing, a single liquid transferring orifice through said piston active during the telescopic movement of said casings, said orifice including two portions one greater than the other and held against

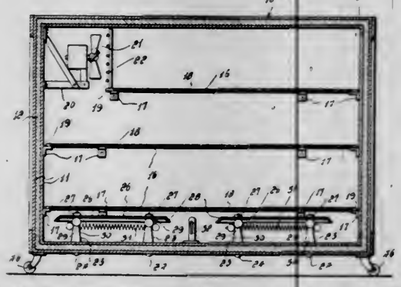
movement relative to one another, a metering pin carried by the end closure of the outer cylinder and cooperating with the smaller portion of said orifice, and a head on said pin cooperating with the larger portion of said orifice during the end of the extension and the beginning of the compression strokes of said casings for reducing the liquid transferring capacity of said orifice.

2,248,866
MONUMENT
William M. P. Hall, Cerro Gordo, Ill., assignor of one-half to Scott S. Dobson, Cerro Gordo, Ill.
Application February 15, 1940, Serial No. 319,167
2 Claims. (Cl. 72—7.2)



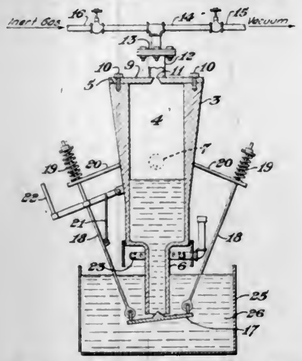
1. A concrete monument or tombstone including a body portion having an integral enlarged supporting base, reinforcing rods molded into said body portion and disposed horizontally and perpendicularly thereof, certain of said rods extending into the base portion, a plurality of perpendicularly disposed reinforcing rods molded into the base portion, and tubular reinforcing members molded in said base portion and disposed longtiudinally and horizontally thereof, said tubular members being disposed on either side of said rods and in staggered relationship relatively to each other, and said tubular members having downturncd ends.

2,248,867
DEVICE FOR LIQUEFYING HONEY
Julian O. Hallman, Sr., Blackshear, Ga.
Application June 27, 1940, Serial No. 342,790
2 Claims. (Cl. 219—35)



1. A device for liquefying honey comprising an insulated casing, a plurality of shelves of open work material disposed in said casing in superimposed spaced apart relationship relatively to each other and to the bottom of the casing, means for heating said casing, means for creating a circulation of air in the casing, a thermostat for controlling said heating means and said air circulation means for maintaining a substantially uniform temperature in the casing, said casing being provided with a closure, said air circulating means and heating means being connected in a circuit through said thermostat to a source of electric current, and a switch associated with said closure for opening the circuit to said heating and air circulating means when the closure is moved to an open position.

2,248,868
METHOD AND APPARATUS FOR PREPARING METAL CASTINGS
Joseph D. Hanawalt, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application April 13, 1940, Serial No. 329,508
13 Claims. (Cl. 22—209)



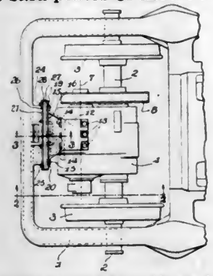
1. A method of forming metal castings which comprises: filling a casting mold from the bottom with molten metal; inverting the filled mold while the metal therein is still substantially all molten; solidifying the metal in the inverted mold from the lower end upwardly; and removing the casting thus formed.

7. In an apparatus for casting molten metal, the combination of: a mold having a sprue at one end thereof and a gas outlet at the opposite end; heating means adapted to maintain the sprue at a temperature above the freezing temperature of the metal being cast; connections whereby the mold may be evacuated through the gas outlet; and handling means secured to the mold whereby it may be lifted and inverted.

2,248,869
RESILIENT MOUNTING DEVICE
Henry K. Harwick, Darby, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application February 27, 1939, Serial No. 258,671
4 Claims. (Cl. 105—139)

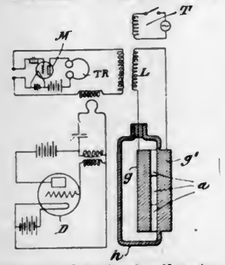
1. A mounting means for yieldably securing an axle-mounted driven mechanism with respect to the axle and frame of a vehicle, the said mounting means including a rigid bracket, secured to the driven mechanism, said bracket extending away from the said axle, and having a substantially flat end surface substantially at right angles to the horizontal plane through the axle, a cooperating portion having an opposed similar surface spaced from the said end surface and substantially parallel thereto, formed on the frame

of the vehicle, and an interposed sandwich, consisting of a rubber element secured to two plates of metal, the said plates of metal fitting between,



and being rigidly secured to, the said opposite and parallel faces on the bracket and on the frame of the vehicle respectively.

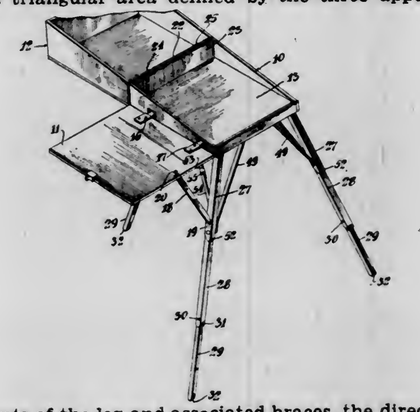
2,248,870
PIEZOELECTRIC SIGNALING APPARATUS
Paul Langevin, Paris, France, assignor, by mesne assignments, to Mauro and Lewis, Washington, D. C., a firm composed of Philip Mauro and Reeve Lewis
Application June 21, 1920, Serial No. 390,542
18 Claims. (Cl. 177—386)



2. An electro-mechanical vibrator comprising a piezo-electric body and an element having a natural period of vibration connected with the body, the parts being so designed that the body shall respond electrically when the parts are vibrated mechanically as a unit.

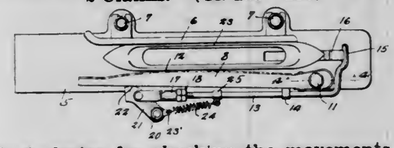
2,248,871
FOLDING TABLE
Harold Howe, Darien, Conn., assignor to Howe Folding Furniture, Inc., New York, N. Y., a corporation of New York
Application November 11, 1937, Serial No. 173,973
5 Claims. (Cl. 311—77)

1. A folding table for supporting a portable machine, comprising a top and legs and braces for supporting the top, two of said legs being attached at their upper ends to pivots carried by the top, said two pivots and legs being located in adjacent corners of the top, braces connected to said two last named legs and to the top, two of said braces being pivotally connected to the top between the legs and on an axis which is offset and parallel to the horizontal axis passing through the leg pivots, said braces also being pivoted at their lower ends about axes fixed relatively to their respective legs, each of said two legs having an elbow brace pivotally connected to the top at a point spaced inward of the top from the upper pivot of its associated leg and pivotally connected at its lower end to its associated leg, said elbow brace being of a length to enable the leg to be swung on its own pivot through an angle of more than 90° measured from folded position against the top to its extended position for use as a footing outside the triangular area defined by the three upper



pivots of the leg and associated braces, the direction of movement of the leg and the angle of inclination of the leg in extended position being determined by the associated braces and their pivots with reference to the leg and its pivot.

2,248,872
LOCK FOR LOOM SHUTTLES
Thomas J. Howell, Anniston, Ala., assignor of one-half to Hugh M. Connor, Anniston, Ala.
Application April 10, 1940, Serial No. 328,945
2 Claims. (Cl. 139—186)

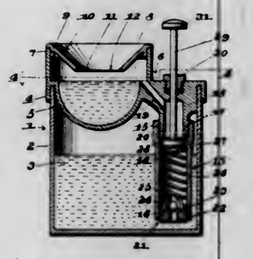


1. A device for checking the movements of a shuttle within the shuttle box of a loom having a picker check, comprising a pivoted member mounted on the loom beam and cooperating with the loom in gripping a shuttle, a bearing secured to the outer surface of the pivoted member, a rod slidably mounted in said bearing and having a right angled end lying in the path of travel of the picker stick and adapted to be engaged by the picker stick when the picker stick is moved by the action of the shuttle striking the picker stick, a bracket mounted on the loom beam, an arm pivotally mounted on the bracket, said rod being connected to the arm, one end of the arm being curved and adapted to engage the pivoted member thereby moving the pivoted member into engagement with the shuttle and restricting movement of the shuttle when said rod reciprocates, and a coiled spring connected with the arm and rod and adapted to normally urge said arm away from said pivoted member.

2,248,873
CIGARETTE AND CIGAR QUENCHER
William E. Hummel, Santa Barbara, Calif.
Application May 18, 1939, Serial No. 274,457
4 Claims. (Cl. 131—236)

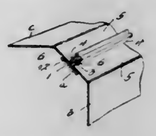
1. A quencher comprising a water reservoir, a cover for the reservoir having a level top surface, a basin embodied in the cover, being sunk below

said surface and being in off-centered relationship thereto so as to define a plunger space on one side of the basin, a pump depending from the cover within the area of said space into proximity to the bottom of the reservoir and having



a plunger rod operable in and through said plunger space, said pump having a discharge opening directed on an incline into the basin, and a dished ash scraper surmounting the basin, being in line with the orifice of said opening to act as a water deflector.

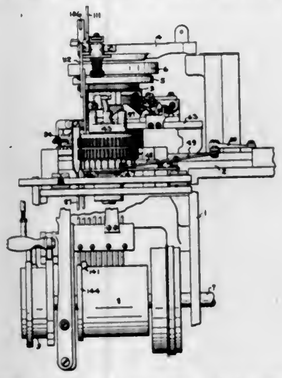
2,248,874
LOCK STRIP FOR CONNECTING SHEET METAL PARTS
Reuben I. Hutt, Wilmington, Del.
Application January 19, 1937, Serial No. 121,368
1 Claim. (Cl. 189—36)



The combination with two metal sheets each having a marginal portion inclined with respect to the plane of its main portion and having a flange extending substantially at a right angle to its inclined marginal portion, of a locking strip connecting said sheets, said strip comprising a flat and relatively long and narrow base, a longitudinal web projecting outwardly from the base, at substantially a right angle thereto and midway between its side edges, and flanges extending oppositely from the outer margin of the web, said marginal portions of the sheets resting on the base at opposite sides of the web, the flanges on the sheets lying against opposite sides of the web, and the flanges on the web being bent over the edges of and lying against the sides of the flanges on the sheets, locking the latter flanges against the web and base.

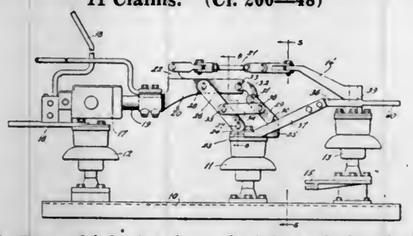
2,248,875
KNITTING MACHINE
Alfred L. Hutton, Jr., Lonsdale, and Eugene St. Pierre, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application December 5, 1938, Serial No. 243,914
7 Claims. (Cl. 66—135)

1. In a knitting machine, a vertically movable elastic yarn feeding finger, means for moving said finger vertically to and from a feeding position including cam means having effective cam surfaces at different heights whereby upon the introduction and withdrawal of said yarn, the finger will be moved to a lower level than during



continuous feeding between said two extreme points.

2,248,876
LINK MOTION RETRACTING BLADE SWITCH
Tomlinson F. Johnson, Atlanta, Ga.
Application August 29, 1940, Serial No. 354,767
11 Claims. (Cl. 200—48)

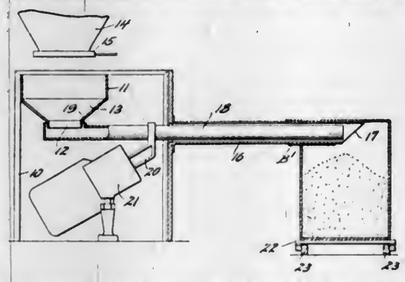


1. In a high tension electric switch of the character described, a pair of spaced supporting insulators; a contact member on one insulator; a switch blade; a pair of spaced links on the other insulator pivoted to the blade and extending forwardly at an angle; a second pair of links pivoted on the blade supporting insulator behind the first pair; a pair of short links pivotally connecting said second pair of links to the rear end portion of the blade; connecting links between said first mentioned and second mentioned pairs of links, the arrangement of said links being such as to impart both retracting and swinging movement to the blade through an angle of more than 90°; and operating means connected to the blade.

2,248,877
METHOD OF AND APPARATUS FOR FILLING PORTABLE RECEPTACLES
Frederick K. Knudsen, Baltimore, Md., assignor to The Porcelain Enamel & Manufacturing Company of Baltimore, Baltimore, Md., a corporation of Maryland
Application January 6, 1939, Serial No. 249,625
4 Claims. (Cl. 226—48)

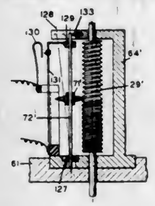
1. In a device for filling bags having an automatic self-closure opening with a highly abrasive granular material capable of contamination, an angularly reciprocating hollow conveyor member extending through said self-closure opening and adapted to receive and feed said material while substantially inhibiting contamination thereof by conveyor abrasion, means connected to said hollow conveyor member and adapted to

impart thereto a reciprocating motion having vertical and horizontal components and of a relatively high frequency, means to feed said material into the interior of said hollow conveyor member and opening there-into at the end of the conveyor member remote from said bag, and



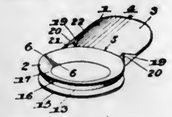
a stationary guard member adjacent the bag end of said conveyor member, said guard member being positioned to support said bag in feeding position out of contact with said conveyor member to thereby prevent dampening of conveyor movement.

2,248,878
MEASURING INSTRUMENT
Paul Kollsman, New York, N. Y., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application June 8, 1940, Serial No. 339,519
35 Claims. (Cl. 200—56)



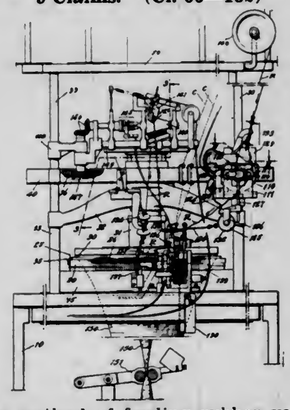
1. In a measuring instrument the combination with an element rotatable in response to the magnitude of a condition; of a threaded spindle connected to be moved in proportion to the rotation of said element, said spindle having a portion of lesser and a portion of larger diameter; a roller; a movable member supporting said roller for rotative and for axial movement; means for urging said roller against said spindle; and a pair of contacts actuable by the movement of said member.

2,248,879
MILK BOTTLE SPOUT
Paul H. Kraetch, Astoria, Oreg.
Application August 1, 1939, Serial No. 287,835
6 Claims. (Cl. 65—31)



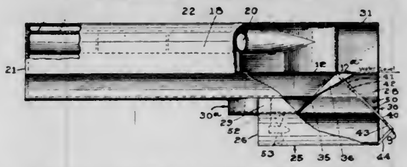
4. A spout comprising a pouring lip, and a ring from which the lip extends, said ring being acutely angled in cross section and being circumferentially recessed on the outside thereby to form one upper and one lower flange, the vertex of said ring being rounded.

2,248,880
CIRCULAR KNITTING MACHINE AND METHOD OF OPERATING SAME
Robert H. Lawson, Pawtucket, R. I., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application April 2, 1940, Serial No. 327,495
9 Claims. (Cl. 66—132)



2. In a method of feeding rubber yarn to the needles of a circular knitting machine in uniformly stretched condition by the use of a positive yarn feeding means, the steps of obtaining the rubber from the supply, allowing it to lie free and unstretched and then holding it tensed but without stretch by means of a gravity pull less than the zero stretch maximum pull, as it goes into the feeding means.

2,248,881
BOAT
Peter A. Lea, New Orleans, La.
Application June 26, 1940, Serial No. 342,567
8 Claims. (Cl. 115—16)

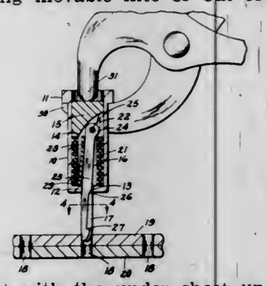


1. A boat including a tube at the bottom of the hull and open at the opposite ends, said tube at the forward end being flared outwardly to provide an enlarged water-receiving opening, the rear end of the tube terminating at the rear of the bow section so that the greater portion of the keel of the boat will be free of the tube, an inclined grating in the flared portion, the flared portion having openings above the grating to permit the discharge of debris which is prevented from passing through the tube by said grating.

2,248,882
FASTENER
Earl B. Lear, Garfield Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application January 16, 1940, Serial No. 314,137
12 Claims. (Cl. 85—5)

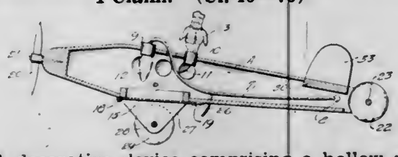
1. A fastener for temporarily holding together at least two superposed perforated sheets, including a housing member adapted to rest on the

upper sheet, a slidable rod extending through said member insertable through aligned perforations of said sheets for maintaining them in aligned position, a latch pivotally mounted in said rod for slidable movement therewith, a lateral projection on said latch insertable with said rod through said aligned perforations, said projection being movable into or out of operative



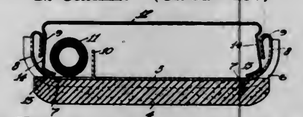
engagement with the under sheet upon pivotal movement of said latch in one or the other direction, means responsive to the slidable movement in both directions of said latch for effecting its pivotal movement, and spring means active between said housing member and rod for clamping the sheets between said member and the lateral projection of said latch.

2,248,883
DECORATIVE DEVICE
Stanley L. Lehigh, Wyoming, Pa.
Application February 19, 1941, Serial No. 379,656
1 Claim. (Cl. 46—76)



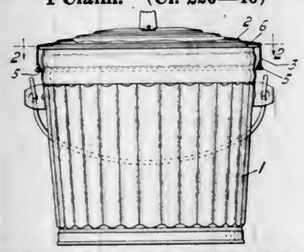
A decorative device comprising a hollow simulated airplane having light openings, a side door for the body, electric illuminating devices at least one of which is located in the body, a bottom door closing an opening in the bottom of the body through which access is had for applying and removing an electric illuminating device, the said body having transversely extending simulated wings, a transversely disposed simulated stabilizer, electric lamps on the said simulated wings and on the said simulated stabilizer, a fin rising from the stabilizer between the lamps on the stabilizer, and suitable supporting means for the body.

2,248,884
SANDING BLOCK
James F. McAdams, Worcester, Mass., assignor to Parker Wire Goods Company, Worcester, Mass., a corporation of Massachusetts
Application February 17, 1940, Serial No. 319,376
12 Claims. (Cl. 51—187)



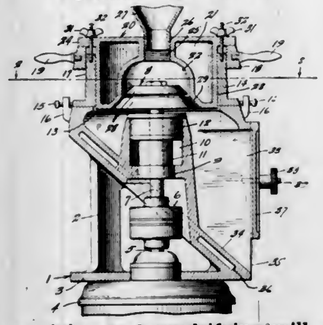
1. A sanding block, comprising a base having upturned rounded end members and depending flanges on opposite side edges of the base, a resilient block positioned between said flanges and projecting beyond the edges thereof, and a hollow top member having depending end members engageable between the upturned end members of the base to clamp therebetween an abrasive strip extending around the base and over said upturned end members, said hollow top member having depending substantially flat side flanges corresponding substantially in spacing to the width of the base.

2,248,885
CONTAINER
Charles B. McClaskey, New Philadelphia, Ohio
Application November 8, 1937, Serial No. 173,416
1 Claim. (Cl. 220—40)



A container having a circular lid and a body that is elliptical across its upper edge, said lid being formed with a continuous downwardly extending rim or flange loosely fitting around the body to allow for rotation of the lid on the body, said rim having its lower edge formed with a continuous bead that is locally deformed at diametrically opposite points to provide inwardly projecting lugs, said body being formed with a continuous outturned bead on its upper margin, the inner extremities of the lugs being at a distance greater than the short axis of the body bead so that the lid may be received on the body and rotated to locking position, the distance between the extremities of the lugs being less than the long axis of the body bead so as to underlie the bead, in axially spaced relation thereto, in the locking position of the lid.

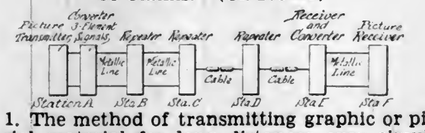
2,248,886
MIXING DEVICE FOR PREPARING MIXTURES SUCH AS MAYONNAISE AND SALAD DRESSING
William A. McLean, Geneva, N. Y., assignor to Geneva Processes, Inc., Geneva, N. Y., a corporation of New York
Original application March 31, 1936, Serial No. 71,932. Divided and this application January 5, 1938, Serial No. 183,549. Renewed June 14, 1940
4 Claims. (Cl. 259—9)



1. In a mixing and emulsifying mill, a bowl-

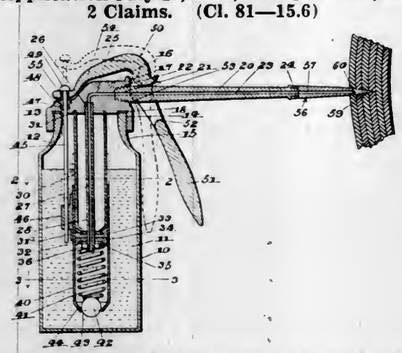
shaped mixing chamber provided with an outwardly and downwardly extending annular working portion, a double frusto-conical rotor, comprising upper and lower sections, the upper section having a smaller diameter than the lower section and being disposed in the said mixing chamber above the outwardly and downwardly extending annular portion thereof, the lower section being disposed in the mixing chamber in spaced relation to and substantially in the same horizontal plane with the said outwardly and downwardly extending working portion, and the said lower section and outwardly and downwardly extending working portion of the mixing chamber defining an outlet from the mixing chamber.

2,248,887
SUBMARINE CABLE PICTURE TRANSMISSION SYSTEM
Joseph W. Milnor, Maplewood, William D. Cannon, Metuchen, and Roland C. Taylor, Ridgewood, N. J., and Gerald A. Randall, Bayside, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application March 28, 1939, Serial No. 264,622
In Great Britain November 28, 1938
33 Claims. (Cl. 178—5)



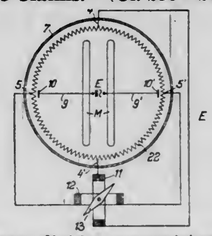
1. The method of transmitting graphic or pictorial material for long distances over circuits of various mediums including metallic land line sections having balanced sending and return conductors, and submarine cable sections having ground return, with repeaters therebetween, which comprises producing the picture characteristics of the pictorial material as modulations of an alternating current, converting the picture modulated current into direct current polar signals varying in complitude with graduations of picture tone between maximum limits of opposite polarity, transmitting the signals over the circuits and interposed repeaters, and reconverting said polar signals into an alternating current to reproduce the original picture modulated current.

2,248,888
REPAIR AND TESTING DEVICE FOR PLY MATERIALS
William A. Monaghan, Wildwood, N. J.
Application July 19, 1939, Serial No. 285,451
2 Claims. (Cl. 81—15.6)



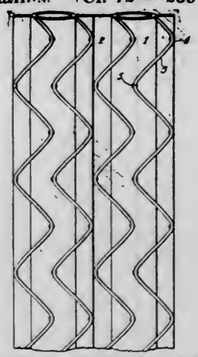
1. A device for detecting separation of rubber and plies in a tire comprising a container housing a fluid, a cap sealing the top of the container, a rod slidably mounted in the container and projecting through the cap, a movable cylinder connected to the inner end of the rod, a piston fixed to the cap and projecting into the cylinder, said cylinder having a port communicating with the container, a valve closing the port, a spring between the piston and valve, means causing reciprocation of the rod and cylinder with respect to the piston, a hollow stem projecting from the cap, means placing the stem in communication with the cylinder, and a penetrating nozzle on the free end of the stem having discharge openings near the outer end of said nozzle.

2,248,889
VOLTAGE DIVIDER
Wolfgang Müller, Berlin-Lankwitz, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau, a corporation of Germany
Application July 12, 1938, Serial No. 218,892
In Germany July 13, 1937
3 Claims. (Cl. 250—27.5)



1. A voltage divider comprising a closed casing filled with a gas at slight pressure; an electric resistance element having tapping points fixed thereto and electrodes enclosed by said casing; said electrodes being movable relative to and along said resistance at a constant distance therefrom forming thereby glow discharge paths between the electrodes and the respective directly opposite portions of the resistance.

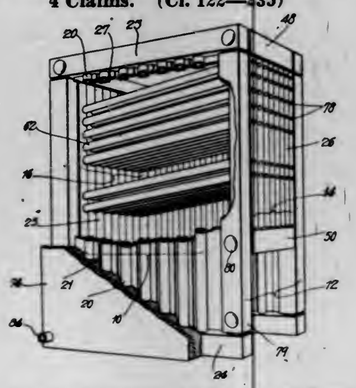
2,248,890
BOILER
Thomas E. Murray, Brooklyn, N. Y.; Joseph Bradley Murray, Thomas E. Murray, Jr., and John F. Murray, executors of said Thomas E. Murray, deceased, assignors to Metropolitan Engineering Company, a corporation of New York
Application May 20, 1927, Serial No. 192,836
7 Claims. (Cl. 122—235)



6. A heat transfer element for boilers and the

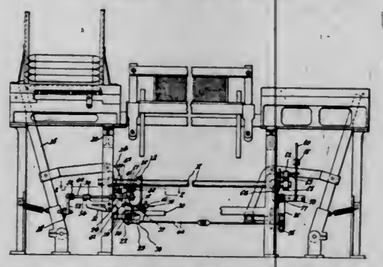
like which comprises a tubular element having sidewise heat conducting extensions and rod-like elements welded to the surface of said tube and extensions and each said rod-like element extending transversely to the length of said tube.

2,248,891
BOILER AND OTHER HEAT EXCHANGERS
Thomas E. Murray, deceased, late of Brooklyn, N. Y., by Joseph B. Murray and Thomas E. Murray, Jr., executors, Brooklyn, N. Y., assignors to Metropolitan Engineering Company, a corporation of New York
Original application May 31, 1923, Serial No. 642,427. Divided and this application May 29, 1936, Serial No. 82,412
4 Claims. (Cl. 122—235)



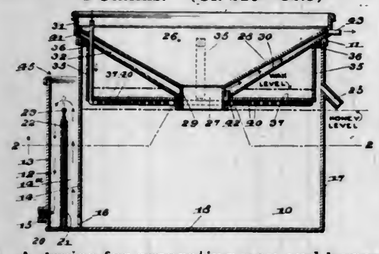
1. A steam generator having a wall for the absorption of heat from the combustion of fuel in a combustion chamber which comprises spaced vertical tubular elements subject to expansion and vibration independently of one another and having heat absorbing and heat transferring projections extending sidewise into the spaces between said tubes, a layer of heat insulating material covering a surface of said wall and in close contact with the surface of said tubes and a reticulated retaining means extending in and through said heat insulating material and welded at spaced intervals to said tubular elements to unite and hold said heat insulating material to said tubular elements.

2,248,892
PICKER MOTION FOR LOOMS
Louis C. Muscatelli, Altoona, Pa.
Application April 17, 1940, Serial No. 330,220
14 Claims. (Cl. 139—225)



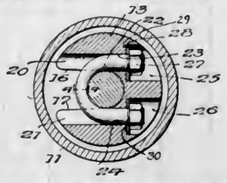
14. In an automatic replenishing loom, the combination of an automatic replenishing mechanism, a picker motion comprising an actuating member and a picker nose, means operating said picker motion to produce a normal picking action, and means operated by said replenishing mechanism after the first pick only following replenishment to vary the relative position of said actuating member and picker nose, the whole operating for the purpose of increasing the picking action of the first pick only following replenishment.

2,248,893
DEVICE FOR SEPARATING BEESWAX FROM HONEY
Leo C. Parent, East Grand Forks, Minn.
Application February 26, 1940, Serial No. 320,933
4 Claims. (Cl. 210—52.5)



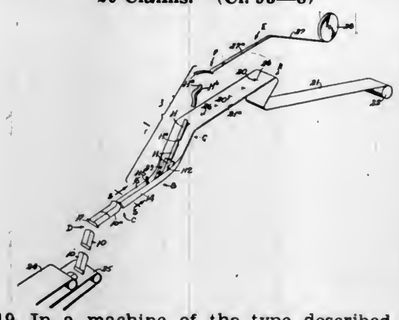
1. A device for separating wax and honey comprising a container, a honey overflow from said container adapted to maintain a predetermined level of the honey in the container, a shielding chamber for said overflow in communication with the lower portion of the container, an overflow for melted wax located above the level of the honey, a combined heating means for the wax and honey and for melting the wax above the level of the honey and, removably supported from the top of the container, said heating means including a unit for heating the wax and honey before said wax and honey enter the container, and a unit for melting the wax above the level of the honey, means for causing the first-mentioned heating unit to be maintained at a lower temperature than the second unit, said combined heating means having an opening for supplying the container with wax and honey.

2,248,894
SUCKER ROD GUIDE
Tracy S. Park, Houston, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 27, 1939, Serial No. 306,399
4 Claims. (Cl. 308—4)



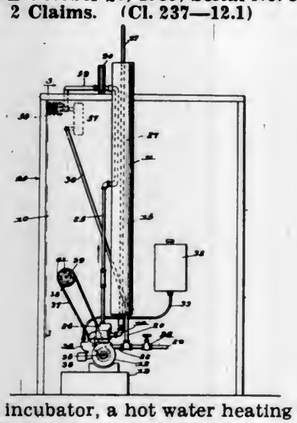
4. A guide for sucker rods in tubing comprising a thick metal guiding sleeve member of horizontal cross-section smaller than the tubing and provided with a vertical rod-receiving slot, whereby the sleeve member is adapted to be slipped sideways on a rod, bores in the sleeve member tangential to the rod, a U-bolt surrounding the rod, the legs of the U-bolt extending through said bores and terminating short of the outer periphery of the sleeve member on the side of the sleeve member opposite the slot, and separate clamping nuts on each of the legs, inset below the outer periphery of the sleeve member, for straining the sleeve member tightly against the rod.

2,248,895
BAG MAKING MACHINE AND METHOD
Hale W. Parrish, South Bend, Ind., assignor to Klean Holder Corporation, Detroit, Mich., a corporation of Michigan
Application May 29, 1939, Serial No. 276,324
20 Claims. (Cl. 93—8)



19. In a machine of the type described, the combination of means for directing a continuous sheet of paper or the like and a continuous ribbon along respective individual paths merging at a point in which the two materials are moving in the same direction, means for severing and doubling upon itself the advancing ribbon to form it into successive folded strips prior to its arrival at said point, power actuated means for feeding the ribbon in the initial portion of its path at a rate substantially greater than that of the sheet advance so as to compensate for the greater length of ribbon required to match the length of sheeting in view of the doubling of the ribbon, said power actuated means also being effective to feed the severed and folded portions of the ribbon at a slower rate matching that of the sheet substantially at said point of path merger, and means for attaching successive folded strips to the advancing sheet while the sheet and strips are advancing at matched rates.

2,248,896
INCUBATOR
Ray M. Petersime, Gettysburg, Ohio
Application October 20, 1939, Serial No. 300,473
2 Claims. (Cl. 237—12.1)



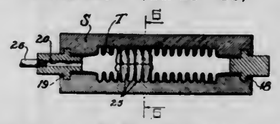
2. In an incubator, a hot water heating system including radiators located within the incubator, an internal combustion engine having a water jacket, a pipe connecting the water jacket with the radiators, a vertically disposed storage tank for water, a return pipe connecting the radiators with the bottom of the tank, a portion of the first mentioned pipe being located within the upper portion of the tank, said engine having an exhaust pipe extending through the entire length of the tank for heating the water therein, a pipe connecting the lower end of the tank with the cooling jacket and acting as a return for the water, a discharge pipe connected with the last mentioned pipe for draining water from the radiators, the tank and the cooling jacket, and a valve for closing the discharge pipe.

2,248,897
PRINTING PRESS AND THE LIKE
Leroy Q. Presby, Melrose, Mass., assignor to American Stay Company, East Boston, Mass., a corporation of Massachusetts
Application December 7, 1939, Serial No. 307,994
22 Claims. (Cl. 101—181)



1. Printing apparatus or the like having, in combination, a rotary member for applying ink or the like to a web, means for selectively driving said rotary member in either of opposite directions, a drier for operating upon the web after operation thereon by said rotary member, and web supporting means for so guiding the web as to present it successively to said rotary member and drier, said supporting means being arranged to guide the web along selected paths for causing either side of the web to be selectively operated upon by said rotary member and for supporting the web when presented to said drier at its side opposite that operated upon by said rotary member.

2,248,898
METHOD OF MAKING RUBBER ARTICLES
William C. Ross, Winchester, and Earle E. Anderson, Auburndale, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Application December 3, 1938, Serial No. 243,792
6 Claims. (Cl. 18—56)

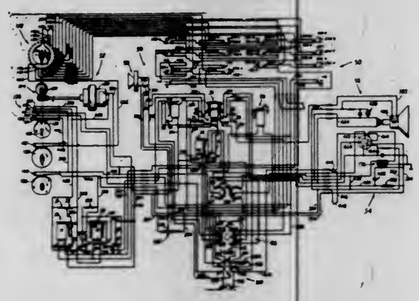


1. The process of forming a rubber article which includes making a suitable mixture of an aqueous dispersion of rubber and a gelling agent, converting the mixture into an inelastic gel capable of plastic flow under stress, molding the gel to final shape by applying pressure to the gel to bring about plastic flow, and drying and vulcanizing the formed gel.

2,248,899
TELEPHONE SYSTEM
Theodore N. Saaty, Providence, R. I., assignor to Screw Machine Products Company, Inc., Providence, R. I., a corporation of Rhode Island
Application August 3, 1940, Serial No. 350,843
9 Claims. (Cl. 179—40)

1. In apparatus of the character described, a

contactor assembly comprising, a supporting frame construction formed by a pair of spaced parallel frame members and a plurality of bridge members of insulating material extending in parallel relationship between said frame members, a plurality of contactor rods rigidly supported in parallel relationship and substantially parallel to said frame members with all of said rods positioned substantially along a plane which is a segment of a cylinder and with said rods thus providing arcuately extending rows of contacts, and auxiliary contactor means rigidly carried by said bridge members with a row of auxiliary contacts along each bridge member with the axis of the arcuate row of auxiliary contacts substantially coincident with the axis of said segment of a cylinder.

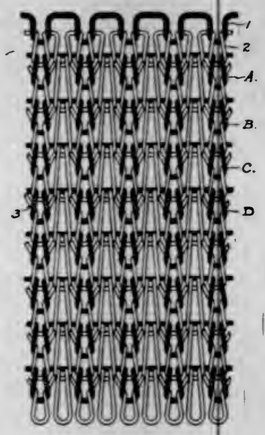


2,248,900

KNITTED FABRIC

William L. Smith, Jr., Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application July 25, 1939, Serial No. 286,412
6 Claims. (Cl. 66—172)



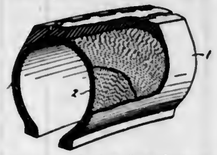
1. A knitted stocking top having an elastic yarn incorporated therein under tension and in a manner to draw the fabric wales together laterally to serve as a garter, said elastic being incorporated throughout a plurality of courses at some only of which an additional strand of elastice is also incorporated in like manner.

2,248,901

TIRE CORD

William E. Vecsey, Barnesville, Ga., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application April 12, 1937, Serial No. 136,289
4 Claims. (Cl. 152—359)



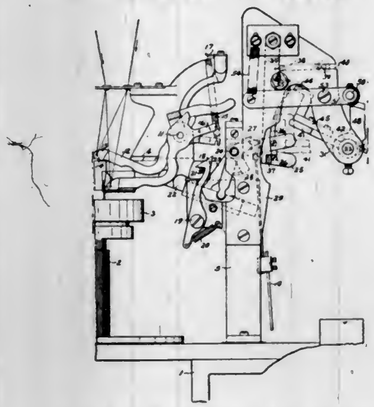
1. A pneumatic cord tire having a carcass comprising heat resistant fabric disposed in superposed plies, each consisting of closely spaced parallel cords made from mercerized cotton yarn.

2,248,902

KNITTING MACHINE

Arthur N. Cloutier, Lonsdale, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application July 12, 1939, Serial No. 284,026
15 Claims. (Cl. 66—140)



1. In a knitting machine the combination of a plurality of yarn feeding means, spring means for retaining said feeding means in one position and other means for moving said means against the tension of said spring means, said other means including a plurality of lever engaging elements, one for each lever, and latching means for holding said elements in one position and means for latching and unlatching said levers including a swinging plate and hammer, said plate being adapted to press all of said lever controlling means to a latching position except one, said hammer being adapted to unlatch that one of said latching means which is not so pressed.

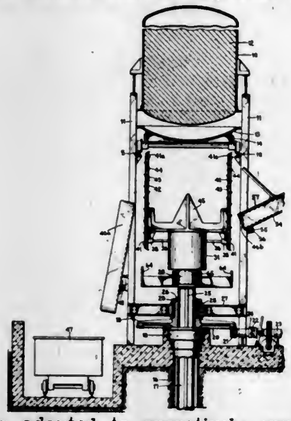
2,248,903

REMOVING COKE FROM COKE STILLS

Luis de Florez, Pomfret, Conn., assignor to De Florez Engineering Co., Inc., Hartford, Conn., a corporation of Connecticut

Application July 22, 1938, Serial No. 220,714
2 Claims. (Cl. 83—6)

1. In combination with a coking drum having a bottom manway cover, a frame support for said drum, a track mounted on said support, a carriage adapted to travel on said track and adapted to receive the manway cover, a cutting head assembly provided with cutting elements, a second carriage adapted to ride on said track and adapted to receive said cutting head assembly,



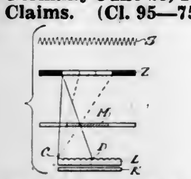
a plunger adapted to operatively engage said cutting head assembly, a casing adapted to supply hydraulic pressure to said plunger and means for rotating said plunger.

2,248,904

PROCESS OF COPYING LENTICULAR FILMS

John Eggert, Leipzig, and Gerd Heymer, Wolfen, Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application June 18, 1937, Serial No. 148,846
In Germany June 25, 1936
2 Claims. (Cl. 95—75)



1. In a process for copying a lenticular film onto a photographic material by means of multicolor filter, the steps which comprise arranging said elements in copying position relative to each other, passing a beam of light emanating from a light source through the multi-color filter and the lenticular film onto said photographic material, and absorbing the central rays of said light beam by means of an absorbing screen having a diameter equal to the diameter of the aperture of the rear element of the taking lens and which is spaced from said color filter and placed in the same position relative to the lenticular film as that occupied by the rear element of the taking lens, the light being absorbed to a degree sufficient to compensate for the darkening of the edge of the field which occurred when the picture was taken.

2,248,905

CONCENTRATED PHOTOGRAPHIC FIXING AND HARDENING SIRUP

Garnet Philip Ham, Old Greenwich, and Robert Bowling Barnes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1940, Serial No. 367,954
10 Claims. (Cl. 95—88)

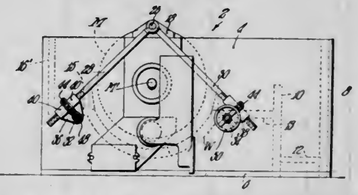
1. A concentrated acid hardening and fixing sirup for the fixation of silver halide photographic material comprising a soluble thiosulfate, sodium sulfite and alum and a hydrotrope, the amount of soluble thiosulfate being in excess of that which will remain in solution without the hydrotrope and the amount of the hydrotrope being sufficient to maintain the acid hardener and fixer in solution without substantial precipitation.

2,248,906

PAPER-MAKING APPARATUS

William M. Leeson, Glens Falls, N. Y., assignor to The Sandy Hill Iron & Brass Works, Hudson Falls, N. Y., a corporation of New York

Application October 3, 1938, Serial No. 233,057
4 Claims. (Cl. 92—43)



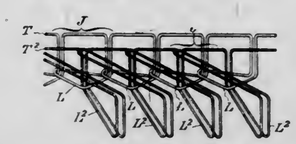
1. A paper-making apparatus comprising in combination, a vat having spaced front and rear walls and a transverse wall extending therebetween having an upper concave surface, plates slidable in planes substantially perpendicular to the axis of a cylinder mould, said cylinder mould journalled on a horizontal axis at its opposite ends on said plates, spaced shafts extending through the front and rear walls and disposed on opposite sides of said mould, oscillatable pivotally-mounted brackets disposed on said shafts outside of said walls, upwardly extending rods slidable in said brackets with the adjacent rods on adjacent ends of said shafts constituting pairs, pivotal connections between the upper ends of the rods of the pairs and said plates at common points therein, and means associated with said shafts and said rods whereby said rods may be moved up and down to adjusted positions to adjust said cylinder mould relative to the transverse wall.

2,248,907

FABRIC SEAM

Frederick Lutz, Stuttgart, Wurttemberg, Germany, assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application June 26, 1940, Serial No. 342,519
In Germany December 30, 1938
6 Claims. (Cl. 112—269)



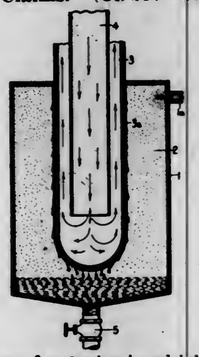
1. A compound seam comprising a main seam formed from a single thread with fabric penetrating chain loops which are interconnected with each other at the back of the fabric; and an over-edge seam likewise formed from a single thread with loops which penetrate the fabric, which interlock with the loops of the main seam at the back of the fabric, and which extend around the edge of the fabric and interengage with each other at the fabric face.

2,248,908
SELF-EXPANDING WELL PLUG
James G. Phillips, Wink, Tex., assignor of one-third to V. S. Gary and one-third to Charles P. Laughlin, both of Wink, Tex.
Application August 2, 1940, Serial No. 349,495
6 Claims. (Cl. 166—13)



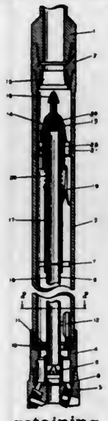
1. In combination with a string of tubing in a well, a cementing device comprising a tubular body threadedly suspended by said tubing string, having ports intermediate its ends and a pipe depending therefrom, a valve in said pipe for controlling the passage of fluid therethrough, a slidable valve in said tubular body normally closing said ports, a compressible spring holding said valve in operative position, a double walled, flexible fluid container surrounding said tubular body and pipe, a coniform fabric reinforcing member embracing the upper end of said container and said tubular body, means actuating said slidable valve by fluid pressure to effect passage of fluid through said ports into the space between the inner wall of said container and tubular body, means to constrain said fluid to emerge into the space said inner and the outer wall of said container adjacent the bottom of the latter to expand the same, means to admit excess fluid into said coniform reinforcing member, and means for holding said fluid against reentering said tubular body.

2,248,909
HEAT TRANSFER DEVICE
Howard W. Russell, Columbus, Ohio, assignor, by mesne assignments, to Foote Mineral Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 8, 1940, Serial No. 328,411
3 Claims. (Cl. 257—28)



3. A heat transfer device in which a condensing vapor is separated from a cooling fluid comprising a wall for separating the cooling fluid from the condensing vapor, said wall having a chemically clean zirconium surface to which the condensable vapor is to be applied.

2,248,910
PRESSURE RETAINING CORE BARREL
Donald W. Auld and Louis J. Weber, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application August 29, 1939, Serial No. 292,525
6 Claims. (Cl. 255—72)



1. A pressure retaining coring assembly mounted within a string of drill tubing comprising a barrel, a seat on the lower end of the tubing supporting the barrel, a flap valve in the drill tubing through which the barrel passes, a bit on the end of the drill tubing to cut the core, the core passing upwardly into the barrel member, and means for lifting the barrel upwardly past the flap valve after coring is completed.

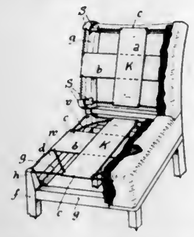
2,248,911
BENZENE SULPHONIC ACID DERIVATIVES AND MANUFACTURE THEREOF
Robert Behnisch, Josef Klarer, and Fritz Mietzsch, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 7, 1939, Serial No. 260,332. In Germany March 8, 1938
23 Claims. (Cl. 260—397.7)

1. A benzenesulphonic acid-anilide which is substituted in the sulphonated benzene ring in 4-position to the sulpho group by the nitrogen atom of a nitrogenous grouping selected from the group consisting of amino-, carboxyacylamino-, alkylamino- and azo-methine-groups and which is substituted in the anilide radical at least in the 3'- and 5'-positions to the amino group by substituents selected from the group consisting of halogen and halogenalkyl.

2,248,912
CONCENTRATION OF ORES
Willem Coltof, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application May 17, 1938, Serial No. 208,490. Divided and this application September 11, 1939, Serial No. 294,324. In Great Britain May 29, 1937
6 Claims. (Cl. 209—166)

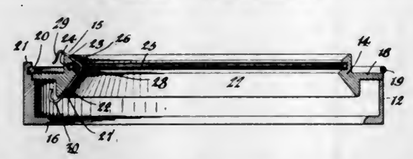
3. In a process for concentrating heavy metal-bearing ores by flotation, the step which comprises subjecting the ore in the form of a pulp to a froth flotation operation in the presence of a cyclic-organo-trithiocarbonate containing the trithiocarbonate group in a heterocyclic ring.

2,248,913
UPHOLSTERY SPRINGING
Maximilian Heller, Vienna, Germany
Application July 12, 1938, Serial No. 218,734
In Austria February 10, 1938
3 Claims. (Cl. 155—179)



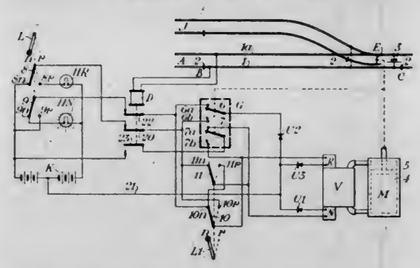
1. A seating structure comprising a rigid support frame having members at the corners of the frame upstanding from the main portion thereof, a cushion support in the form of a cross spanning said support frame and of a size to extend from edge to edge of said support frame both laterally and longitudinally thereof and a plurality of resilient tensile members connecting said cushion support to said upstanding members at the corners of said support frame, at least two of said tensile members being connected to each end of said cross-shaped cushion support and extending in opposite directions therefrom to corresponding upstanding corner members to form a resilient edge portion for said seating structure freely suspended above the level of the main portion of said support frame on each side thereof.

2,248,914
SPINNING RING AND TRAVELER THEREFOR
Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York
Application March 18, 1940, Serial No. 324,544
6 Claims. (Cl. 57—120)



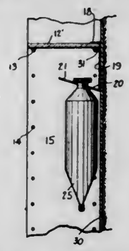
1. A device of the character described, comprising a spinning ring for a traveler having upper and lower bearing faces extending upwardly and outwardly and downwardly and outwardly, respectively, from a plane between the upper and lower edges of the ring, the upper bearing face being displaced upwardly and outwardly from the opposing upper end of the lower bearing face to provide a horizontal space between such faces, and a traveler mounted on said ring and having angularly-disposed portions engageable with said ring-bearing faces, respectively, the bearing legs at their point of junction subtending said horizontal space and forming therewith an opening for the thread.

2,248,915
APPARATUS FOR CONTROLLING RAILWAY SWITCHES
John W. Logan, Jr., Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 13, 1940, Serial No. 323,764
12 Claims. (Cl. 246—219)



1. In combination, a railway track switch, a normal and a reverse control magnet for controlling movements of said switch to normal and reverse positions respectively, a control lever located at a point remote from said switch and having normal and reverse positions, local control means having first and second positions, means effective when said local control means occupies its first position for energizing said normal magnet or said reverse magnet according as said lever occupies its normal or its reverse position, and other means effective when said local control means occupies its second position for energizing said reverse magnet or said normal magnet according as said lever occupies its normal or its reverse position.

2,248,916
SHELF, HOLDER, AND THE LIKE
Victor M. Opper, New York, N. Y.
Application October 31, 1939, Serial No. 302,213
1 Claim. (Cl. 211—60)

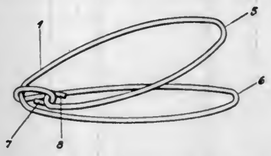


In combination with a cabinet having a rear wall and a horizontal shelf, of a supplementary shelf being U-shaped in cross-section, one leg of the U resting on the upper surface of said cabinet shelf, the base of the U extending downwardly between the rear edge of said cabinet shelf and said cabinet rear wall, and the other leg of the U extending outwardly from the said base and spaced by said base appreciably from the underside of said cabinet shelf, said other leg having a plurality of slots for receiving the neck portions of tubular containers, said slots extending from the outer edge of said leg inwardly to a position closely adjacent the said base of the U whereby the said tubular containers may be supported by said other leg without appreciable strain thereon, the appreciable spacing of said

other leg from the underside of said cabinet shelf affording a substantial bearing of said base against said rear wall of the cabinet.

2,248,917
SEAT CUSHION
Willibald Effenberger, Feilbach, near Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application December 27, 1939, Serial No. 311,095
In Germany December 22, 1938
7 Claims. (Cl. 155—179)

2. A spring for use in the edges of upholstered articles, comprising a plurality of turns of spring wire lying generally in planes, all of which intersect along a common line to form a wedge-shaped spring, and means for attaching the ends of said

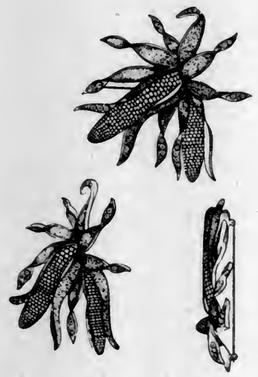


wire together substantially at the line of intersection of said plane, said means engaging the plurality of turns to hold the same in interconnecting relationship.

DESIGNS

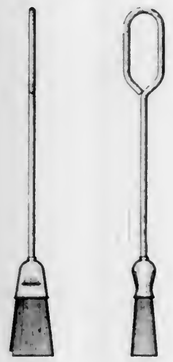
JULY 8, 1941

128,104
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application April 8, 1941, Serial No. 100,246
Term of patent 3½ years



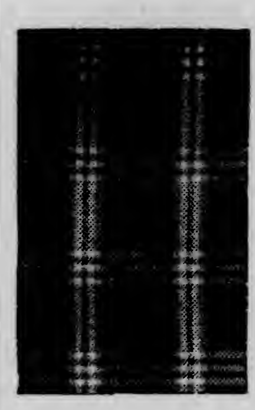
The ornamental design for a pin or similar article, substantially as shown.

128,105
DESIGN FOR A PASTRY BRUSH
Henry Cave, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut
Application April 5, 1940, Serial No. 91,483
Term of patent 14 years



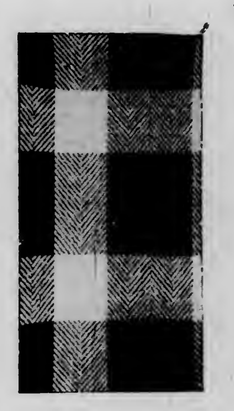
The ornamental design for a pastry brush, as shown.

128,106
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application May 28, 1941, Serial No. 101,195
Term of patent 7 years



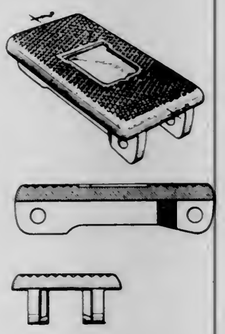
The ornamental design for a textile fabric, substantially as shown.

128,107
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application May 28, 1941, Serial No. 101,197
Term of patent 7 years



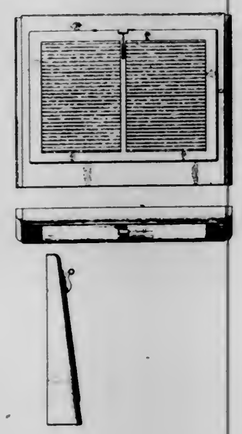
The ornamental design for a textile fabric, substantially as shown.

128,108
DESIGN FOR A SUPPORT HEAD FOR A VEHICLE JACK
Donald A. Dalton, Warsaw, Ind., assignor to The Dalton Foundries, Inc., Warsaw, Ind., a corporation of Indiana
Application March 10, 1941, Serial No. 99,456
Term of patent 14 years



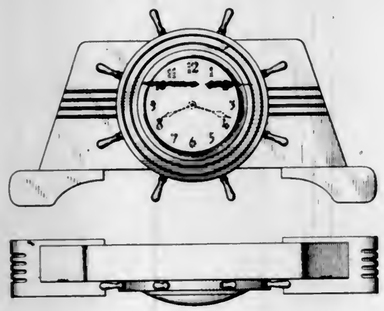
The ornamental design for a support head for a vehicle jack, substantially as shown.

128,109
DESIGN FOR A REGISTER
William C. De Roo and Alfred E. Kietzmann, Holland, Mich., assignors to the Hart & Cooley Manufacturing Company, Holland, Mich., a corporation of Delaware
Application August 22, 1940, Serial No. 94,571
Term of patent 14 years



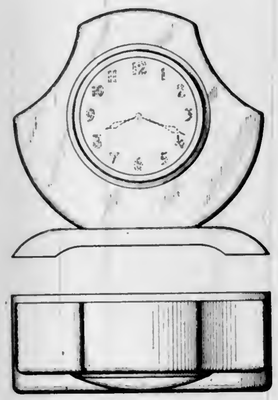
The ornamental design for a register, as shown.

128,110
DESIGN FOR AN ELECTRIC CLOCK
Joseph Gottlieb, Deal, N. J.
Application April 29, 1941, Serial No. 100,695
Term of patent 7 years



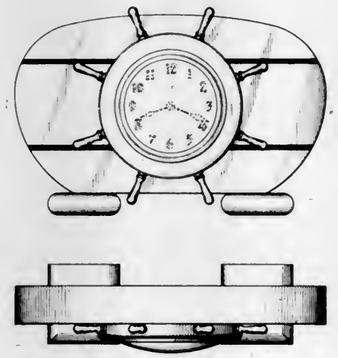
The ornamental design for an electric clock, as shown.

128,111
DESIGN FOR AN ELECTRIC CLOCK
Joseph Gottlieb, Deal, N. J.
Application April 29, 1941, Serial No. 100,696
Term of patent 7 years



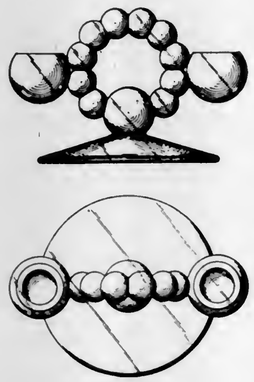
The ornamental design for an electric clock, as shown.

128,112
DESIGN FOR AN ELECTRIC CLOCK
Joseph Gottlieb, Deal, N. J.
Application April 29, 1941, Serial No. 100,697
Term of patent 7 years



The ornamental design for an electric clock, as shown.

128,113
DESIGN FOR A CANDLESTICK OR SIMILAR ARTICLE
Carl W. Gustkey, Wheeling, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application May 24, 1941, Serial No. 101,122
Term of patent 14 years



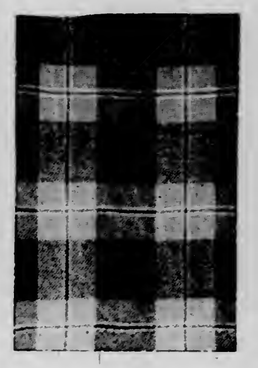
The ornamental design for a candlestick or similar article, substantially as shown.

128,114
DESIGN FOR A GOLF CLUB HEAD
Henry Hering, New York, N. Y.
Application January 4, 1940, Serial No. 89,282
Term of patent 14 years



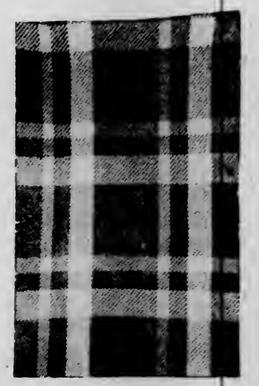
The ornamental design for a golf club head, substantially as shown.

128,115
DESIGN FOR A TEXTILE FABRIC
John L. Koehne, New York, N. Y.
Application May 28, 1941, Serial No. 101,190
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

128,116
DESIGN FOR A TEXTILE FABRIC
John L. Koehne, New York, N. Y.
Application May 28, 1941, Serial No. 101,191
Term of patent 7 years



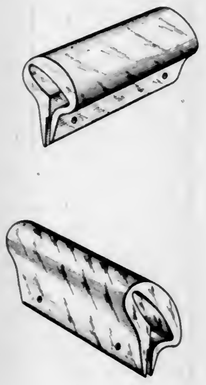
The ornamental design for a textile fabric, substantially as shown.

128,117
DESIGN FOR A TEXTILE FABRIC
John L. Koehne, New York, N. Y.
Application May 28, 1941, Serial No. 101,192
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

128,118
DESIGN FOR A GUIDE TAB
Charles E. Jones, Chicago, Ill., assignor to Charles L. Barkley and Peyton H. Barkley, a copartnership doing business as C. L. Barkley & Co., Chicago, Ill.
Application May 31, 1941, Serial No. 101,255
Term of patent 14 years



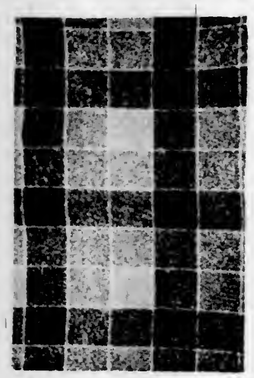
The ornamental design for a guide tab, substantially as shown and described.

128,119
DESIGN FOR A KNOB FOR AN ELECTRIC SWITCH
Edwin W. Landmeier, Cincinnati, Ohio, assignor to The Wadsworth Electric Mfg. Co., Inc., Covington, Ky., a corporation of Kentucky
Application March 20, 1941, Serial No. 99,739
Term of patent 14 years



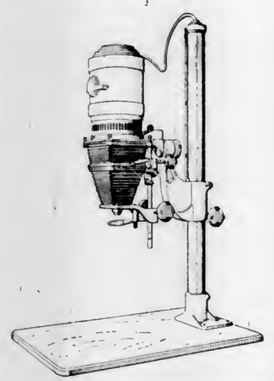
The ornamental design for a knob for an electric switch, substantially as shown.

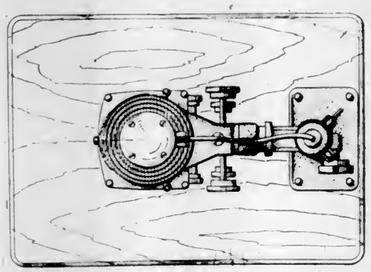
128,120
DESIGN FOR A TEXTILE FABRIC
William A. Landry, White Plains, N. Y.
Application June 11, 1941, Serial No. 101,395
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

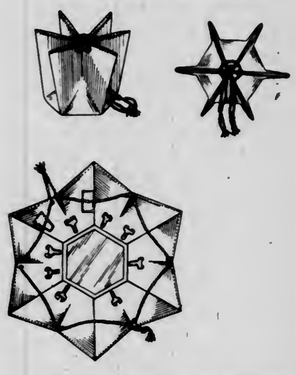
128,121
DESIGN FOR A PHOTOGRAPHIC ENLARGER
Anthon A. Leonard, Glenside, Pa., assignor to De Jur-Amsco Corporation, Shelton, Conn., a corporation of New York
Application February 12, 1941, Serial No. 98,958
Term of patent 7 years





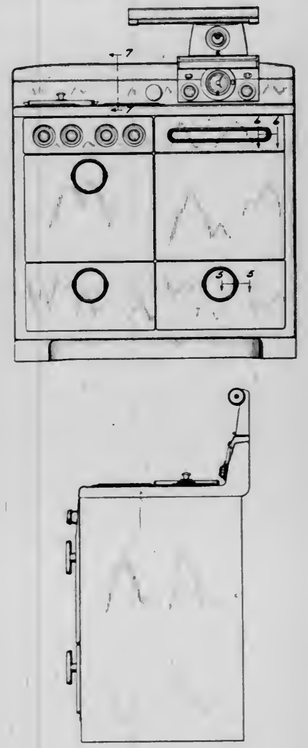
The ornamental design for a photographic enlarger, substantially as shown.

128,122
DESIGN FOR A BEACH KIT
Florence N. Lewis, New York, N. Y.
Application May 23, 1941, Serial No. 101,113
Term of patent 7 years

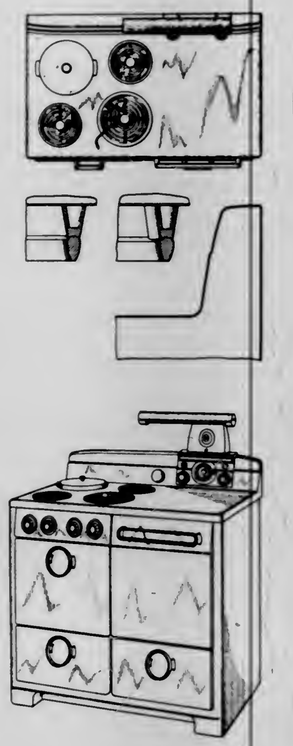


The ornamental design for a beach kit, substantially as shown.

128,123
DESIGN FOR AN ELECTRIC RANGE
Raymond Loewy, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 12, 1941, Serial No. 99,522
Term of patent 14 years

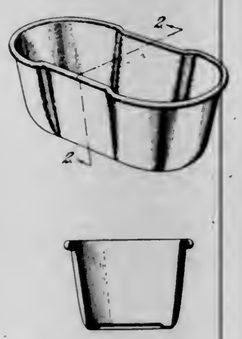


128,123—Continued



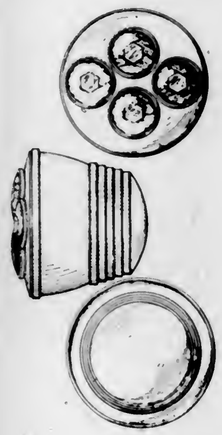
The ornamental design for an electric range, as shown.

128,124
DESIGN FOR A PAPER CUP CONTAINER
Harold F. Melville, Los Angeles, Calif.
Application December 9, 1940, Serial No. 97,206
Term of patent 14 years



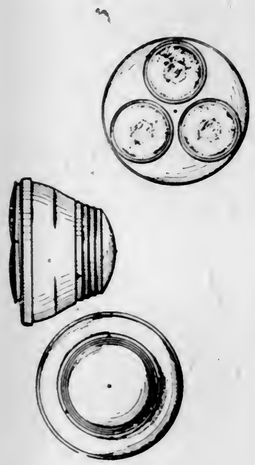
The ornamental design for a paper cup container, as shown.

128,125
DESIGN FOR A FLOODLIGHT
Harry E. Rutledge, Pittsburgh, Pa.
Application May 9, 1941, Serial No. 100,871
Term of patent 14 years



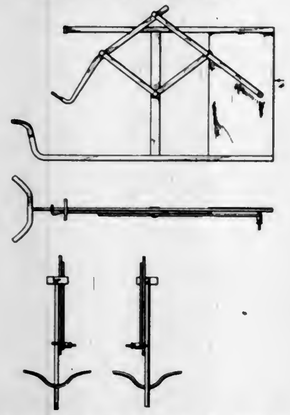
The ornamental design for a floodlight, as shown.

128,126
DESIGN FOR A FLOODLIGHT
Harry E. Rutledge, Pittsburgh, Pa.
Application May 9, 1941, Serial No. 100,872
Term of patent 14 years



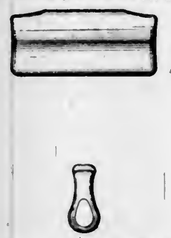
The ornamental design for a floodlight, as shown.

128,127
DESIGN FOR A DENTAL PROFILE RECORDER
William L. Schmitz, Jr., San Marino, Calif.
Application November 6, 1940, Serial No. 96,355
Term of patent 7 years



The ornamental design for a dental profile recorder, as shown.

128,128
DESIGN FOR A GUITAR PLAYING BAR
Victor F. Zepp, Chicago, Ill., assignor to Allen Sechler, Chicago, Ill.
Application April 23, 1941, Serial No. 100,587
Term of patent 3½ years



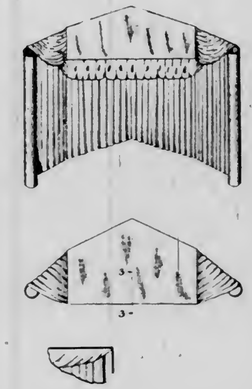
The ornamental design for a guitar playing bar, as shown.

128,129
DESIGN FOR A PLAQUE
Amerigo Angell, Milwaukee, Wis.
Application February 8, 1941, Serial No. 98,857
Term of patent 7 years



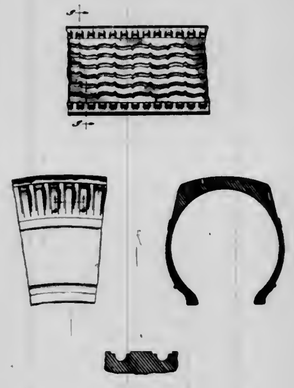
The ornamental design for a plaque, as shown.

128,130
DESIGN FOR A CASKET DISPLAY CANOPY
Clara W. Arnold, East Cleveland, and Oscar J. Hinger, Cleveland, Ohio
Application October 22, 1940, Serial No. 96,000
Term of patent 7 years



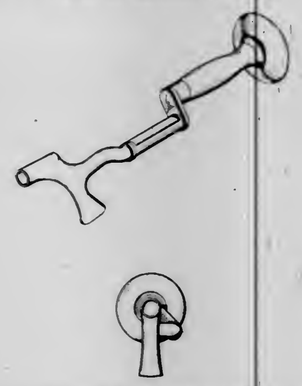
The ornamental design for a casket display canopy, substantially as shown.

128,131
DESIGN FOR A TIRE CASING
Charles P. Bedell, Detroit, Mich., assignor to The Pep Boys—Manny, Moe & Jack, Philadelphia, Pa., a corporation of Pennsylvania
Application May 6, 1941, Serial No. 100,811
Term of patent 14 years



The ornamental design for a tire casing, as shown.

128,132
DESIGN FOR A FISHING ROD HANDLE
Vera Estelle Bell, Miami Beach, Fla.
Application April 19, 1941, Serial No. 100,529
Term of patent 14 years



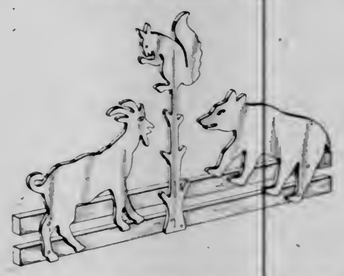
The ornamental design for a fishing rod handle, as shown.

128,133
DESIGN FOR A FIGURE TOY
Rubin Bendersky, Boston, Mass.
Application October 28, 1940, Serial No. 96,143
Term of patent 7 years



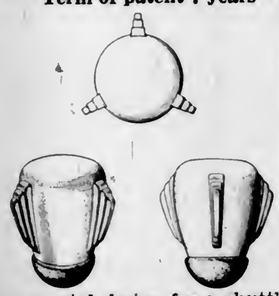
The ornamental design for a figure toy, as shown.

128,134
DESIGN FOR A FIGURE TOY
Rubin Bendersky, Boston, Mass.
Application October 28, 1940, Serial No. 96,144
Term of patent 7 years



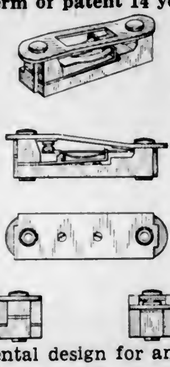
The ornamental design for a figure toy, as shown.

128,135
DESIGN FOR A SHUTTLE FOR GAME OF BADMINTON
Fred Bentley, Lansing, Mich.
Application April 5, 1941, Serial No. 100,177
Term of patent 7 years



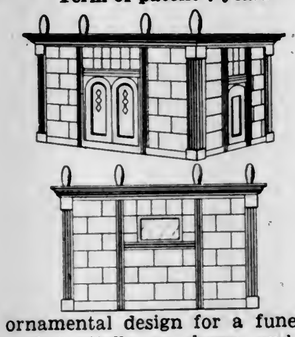
The ornamental design for a shuttle for game of badminton, as shown.

128,136
DESIGN FOR AN ELECTRIC SWITCH
Norman C. Fetter, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 94,170
Term of patent 14 years



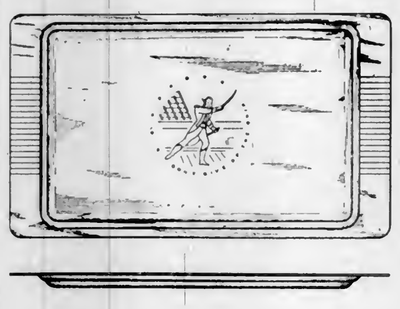
The ornamental design for an electric switch, as shown.

128,137
DESIGN FOR A FUNERAL SERVICE CHAPEL
Alvin H. Gruber, Highland Park, Mich.
Application September 26, 1940, Serial No. 95,404
Term of patent 7 years



The ornamental design for a funeral service chapel, substantially as shown and described.

128,138
DESIGN FOR A TRAY OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application May 2, 1941, Serial No. 100,736
Term of patent 7 years



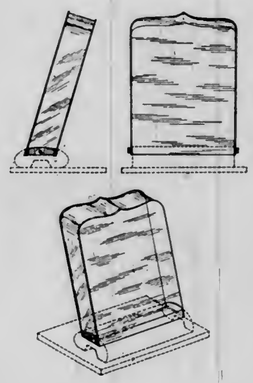
The ornamental design for a tray or similar article, substantially as shown.

128,139
DESIGN FOR A TIRE
Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota
Application April 28, 1941, Serial No. 100,665
Term of patent 14 years



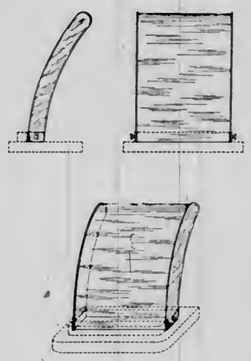
The ornamental design for a tire, as shown.

128,140
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application September 14, 1940, Serial No. 95,065
Term of patent 14 years



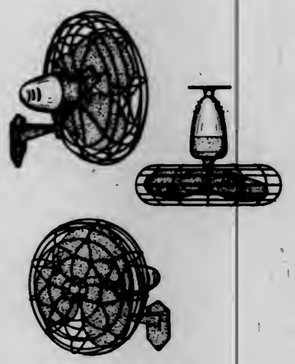
The ornamental design for a display stand, as shown and described.

128,141
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application September 19, 1940, Serial No. 95,222
Term of patent 14 years



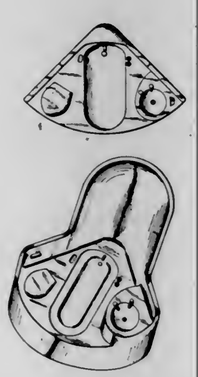
The ornamental design for a display stand, as shown and described.

128,142
DESIGN FOR AN ELECTRIC FAN
George Moskowitz, Brooklyn, N. Y.
Application December 28, 1940, Serial No. 97,677
Term of patent 7 years



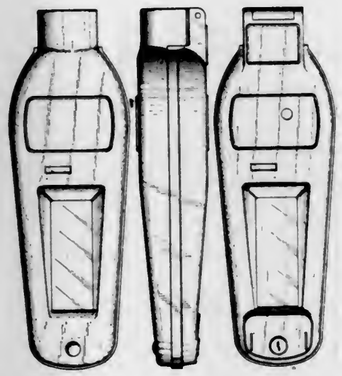
The ornamental design for an electric fan, as shown.

128,143
DESIGN FOR A COMBINED BATHTUB, WASH BASIN, AND WATER CLOSET
Caroline Ostrowski, Hamtramck, Mich.
Application May 10, 1941, Serial No. 100,891
Term of patent 7 years



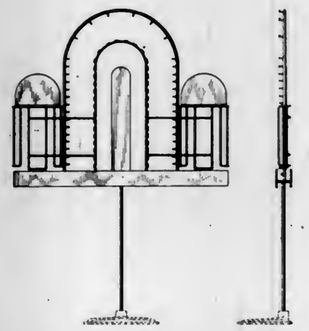
The ornamental design for a combined bathtub, wash basin and water closet, as shown.

128,144
DESIGN FOR A PARKING METER CASING
David C. Rockola, Chicago, Ill.
Application March 20, 1941, Serial No. 99,741
Term of patent 3½ years



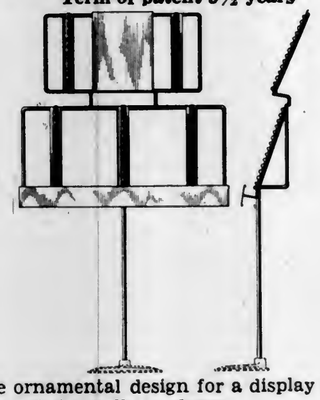
The ornamental design for a parking meter casing, substantially as shown and described.

128,145
DESIGN FOR A DISPLAY STAND FOR TOOTHBRUSHES
Max Rosedale, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 14, 1939, Serial No. 87,221
Term of patent 3½ years



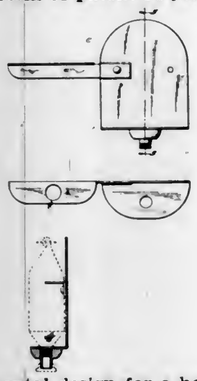
The ornamental design for a display stand for toothbrushes, substantially as shown.

128,146
DESIGN FOR A DISPLAY STAND FOR COMBS
Max Rosedale, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 14, 1939, Serial No. 87,222
Term of patent 3½ years



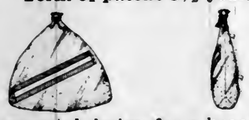
The ornamental design for a display stand for combs, substantially as shown.

128,147
DESIGN FOR HOLDING AND DISPENSING BRACKET FOR TOOTH PASTE TUBES AND THE LIKE
Wallace D. Seigh, Johnstown, Pa.
Application April 22, 1941, Serial No. 100,564
Term of patent 14 years



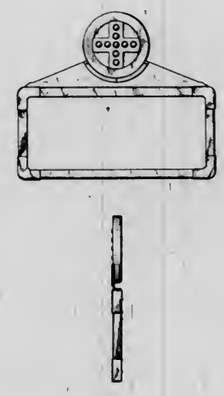
The ornamental design for a holding and dispensing bracket for toothpaste tubes and the like, as shown and described.

128,148
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Angela Steinreich, Los Angeles, Calif.
Application August 14, 1940, Serial No. 94,420
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown and described.

128,149
DESIGN FOR A LICENSE PLATE HOLDER
Rudolph E. Swanson, Riverside, R. I.
Application November 27, 1939, Serial No. 88,675
Term of patent 3½ years



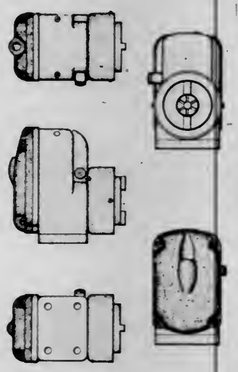
The ornamental design for a license plate holder, substantially as shown.

128,150
DESIGN FOR A SUPPORT FOR A BEVERAGE CONTAINER, OR THE LIKE
Peter J. Swofford, Fort Worth, Tex.
Application March 28, 1941, Serial No. 99,980
Term of patent 7 years



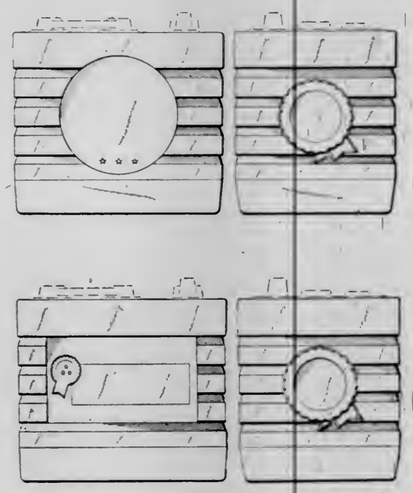
The ornamental design for a support for a beverage container, or the like, as shown.

128,151
DESIGN FOR A MAGNETOELECTRIC GENERATOR
Edward A. Vogel, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application October 31, 1940, Serial No. 96,227
Term of patent 3½ years



The ornamental design for a magnetoelectric generator, substantially as shown and described.

128,152
DESIGN FOR A BATTERY CASE
Egmont Arens, New York, N. Y., assignor to Atlas Supply Company, Newark, N. J., a corporation of Delaware
Application May 17, 1941, Serial No. 100,991
Term of patent 3½ years



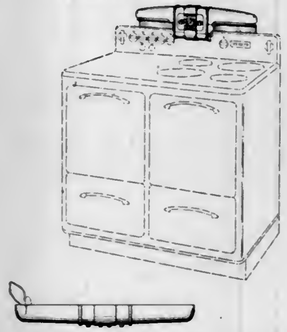
The ornamental design for a battery case, as shown and described.

128,153
DESIGN FOR A DAIRY BOTTLE
Philip B. Arnold, Cleveland, Ohio
Application March 28, 1941, Serial No. 99,983
Term of patent 7 years



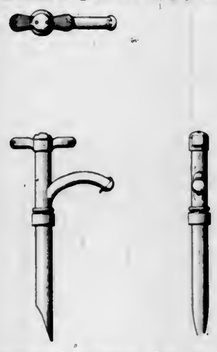
The ornamental design for a dairy bottle, as shown.

128,154
DESIGN FOR AN ELECTRIC RANGE
Alfons Barnsteiner and Edwin H. Lockwood, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application November 15, 1940, Serial No. 96,605
Term of patent 7 years



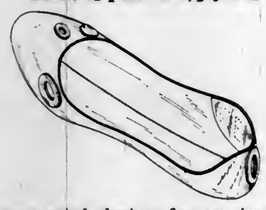
The ornamental design for an electric range, substantially as shown and described.

128,155
DESIGN FOR A BEVERAGE DISPENSER
Henry Berg, Brooklyn, N. Y., assignor to Streamliner Mfg. Co., New York, N. Y.
Application February 12, 1941, Serial No. 98,957
Term of patent 3½ years



The ornamental design for a beverage dispenser, as shown.

128,156
DESIGN FOR AN INSIDE FOOTPAD SOCK
Albert E. Berger, Atlantic City, N. J.
Application January 9, 1941, Serial No. 97,909
Term of patent 3½ years



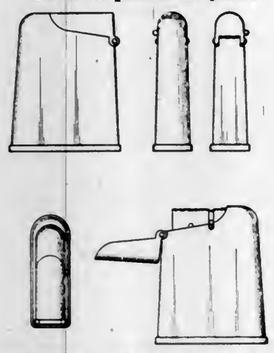
The ornamental design for an inside footpad sock, as shown.

128,157
DESIGN FOR A NECKLACE OR THE LIKE
Harry J. Berry, San Francisco, Calif.
Application December 18, 1940, Serial No. 97,418
Term of patent 7 years



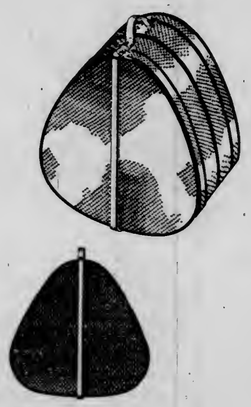
The ornamental design for a necklace or the like, substantially as shown.

128,158
DESIGN FOR A DISPENSER FOR TOOTH POWDER AND THE LIKE
Philip C. P. Booty, Chicago, Ill.
Application November 12, 1940, Serial No. 96,463
Term of patent 14 years



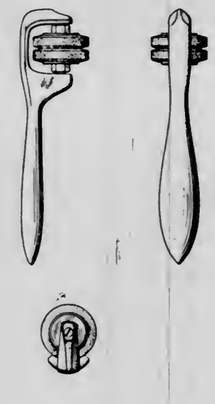
The ornamental design for a dispenser for tooth powder and the like, substantially as shown.

128,159
DESIGN FOR A HAT BOX
Mark W. Cresap, Jr., Philadelphia, Pa., assignor to John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 1, 1941, Serial No. 100,730
Term of patent 7 years



The ornamental design for a hat box, as shown and described.

128,160
DESIGN FOR A KNIFE SHARPENER
Lawrence H. Cruncleton, Bell, Calif.
Application November 14, 1940, Serial No. 96,565
Term of patent 3½ years



The ornamental design for a knife sharpener, as shown.

128,161
DESIGN FOR SHOE SHINER'S CHAIR
Victor M. Fetterhoff, Denver, Colo.
Application October 25, 1940, Serial No. 96,071
Term of patent 7 years



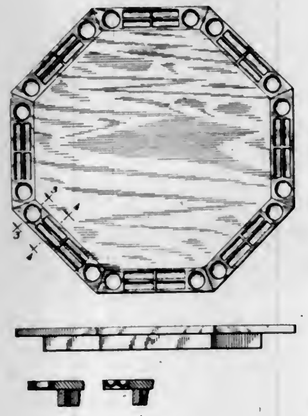
The ornamental design for a shoe shiner's chair, as shown and described.

128,162
DESIGN FOR A CARD TRICK DEVICE
Kenneth S. Franke, New York, N. Y.
Application December 7, 1940, Serial No. 97,155
Term of patent 3½ years



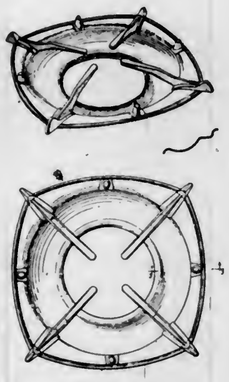
The ornamental design for a card trick device, as shown.

128,163
DESIGN FOR A TABLE TOP
Meyer Greitzer, Los Angeles, Calif.
Application June 22, 1940, Serial No. 93,189
Term of patent 14 years



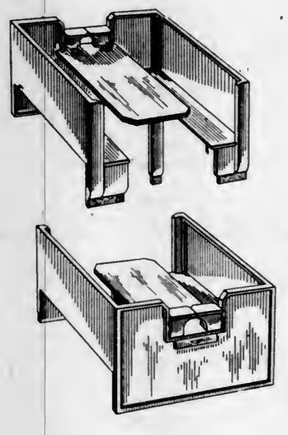
The ornamental design for a table top, as shown.

128,164
DESIGN FOR A COMBINED BURNER BOWL AND UTENSIL SUPPORT FOR RANGES
John A. Hennessy, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application December 7, 1939, Serial No. 88,749
Term of patent 7 years



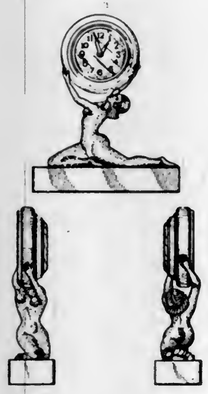
The ornamental design for a combined burner bowl and utensil support for ranges, substantially as shown and described.

128,165
DESIGN FOR A REFRESHMENT BOOTH
Arthur T. Jory, Oakland, Calif.
Application August 2, 1940, Serial No. 94,142
Term of patent 7 years



The ornamental design for a refreshment booth, substantially as shown.

128,166
DESIGN FOR A CLOCK OR SIMILAR ARTICLE
Kate Lerman, Chicago, Ill.
Application May 17, 1941, Serial No. 100,994
Term of patent 7 years



The ornamental design for a clock or similar article, substantially as shown.

128,167
DESIGN FOR A BOTTLE STOPPER
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 14, 1940, Serial No. 97,327
Term of patent 7 years



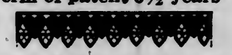
The ornamental design for a bottle stopper, substantially as shown.

128,168
DESIGN FOR A NECKLACE
Maximilian C. Meyer, Brooklyn, N. Y.
Application June 20, 1940, Serial No. 93,150
Term of patent 3½ years



The ornamental design for a necklace, as shown and described.

128,169
DESIGN FOR A LACE
William Michl, Little Ferry, N. J.
Application June 12, 1941, Serial No. 101,424
Term of patent 3½ years



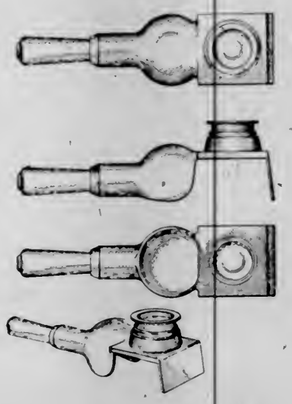
The ornamental design for a lace, substantially as shown.

128,170
DESIGN FOR A LACE
William Michl, Little Ferry, N. J.
Application June 12, 1941, Serial No. 101,425
Term of patent 3½ years



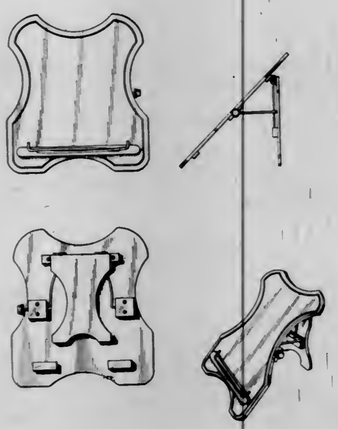
The ornamental design for a lace, substantially as shown.

128,171
DESIGN FOR A MAGNIFYING UNIT
Albert D. Mizzy, New York, N. Y.
Application April 12, 1941, Serial No. 100,349
Term of patent 14 years



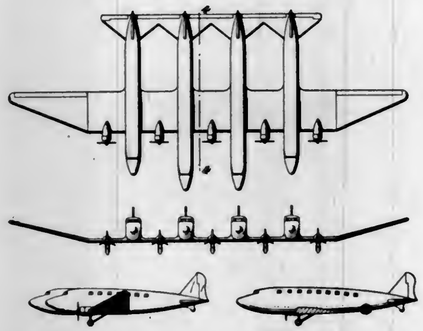
The ornamental design for a magnifying unit, as shown.

128,172
DESIGN FOR A READING STAND
Jay Alva Morgan, Chicago, Ill.
Application April 2, 1941, Serial No. 100,098
Term of patent 7 years



The ornamental design for a reading stand, substantially as shown.

128,173
DESIGN FOR AN AIRPLANE
Leo E. Oliver, Sanger, Calif.
Application January 11, 1941, Serial No. 97,978
Term of patent 14 years



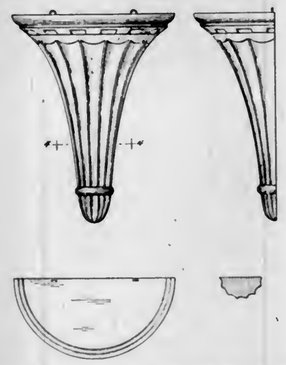
The ornamental design for an airplane, as shown.

128,174
DESIGN FOR A COMBINATION DESK UNIT
Emanuel R. Posnack, New York, N. Y.
Application November 23, 1940, Serial No. 96,761
Term of patent 14 years



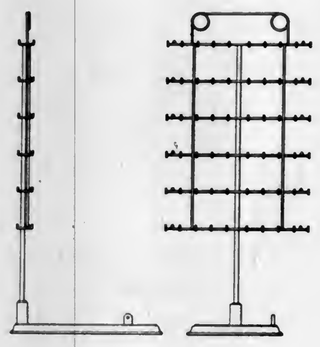
The ornamental design for a combination desk unit substantially as shown and described.

128,175
DESIGN FOR A WALL BRACKET
Guido Rebechini, Chicago, Ill., assignor to Hindu Incense Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,796
Term of patent 7 years



The ornamental design for a wall bracket, as shown.

128,176
DESIGN FOR A KEY RACK
Morris E. Rogat, Cleveland, Ohio
Application January 9, 1941, Serial No. 97,902
Term of patent 7 years



The ornamental design for a key rack, as shown.

128,177
DESIGN FOR A VASE OR SIMILAR ARTICLE
Carl Romanelli, Los Angeles, Calif., assignor to Metlox Manufacturing Company, Manhattan Beach, Calif., a corporation of California
Application May 7, 1941, Serial No. 100,828
Term of patent 14 years



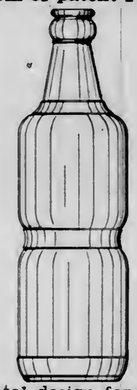
The ornamental design for a vase or similar article, substantially as shown.

128,178
DESIGN FOR A BOOK CARRIER
Alwin F. Schoenfeld, Forest Hills, N. Y.
Application March 13, 1941, Serial No. 99,561
Term of patent 14 years



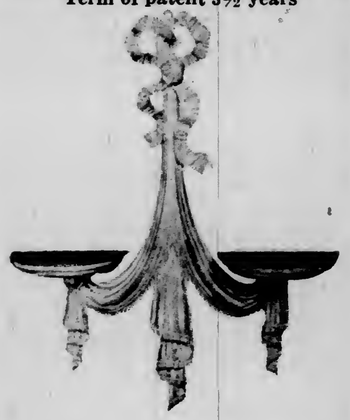
The ornamental design for a book carrier, as shown.

128,179
DESIGN FOR A BOTTLE
Philip Schwartz, Springfield, Mass.
Application April 21, 1941, Serial No. 100,539
Term of patent 14 years



The ornamental design for a bottle, as shown and described.

128,180
DESIGN FOR A WALL BRACKET
Alexander Simkins, New York, N. Y.
Application March 14, 1941, Serial No. 99,590
Term of patent 3½ years



128,180—Continued



The ornamental design for a wall bracket, substantially as shown.

128,181
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Ernest Steiner, New York, N. Y.
Application May 5, 1941, Serial No. 100,770
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

128,182
DESIGN FOR A DOLL
Ilse von Schenk, New York, N. Y.
Application April 16, 1941, Serial No. 100,408
Term of patent 7 years



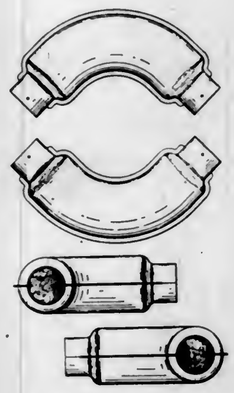
The ornamental design for a doll, as shown.

128,183
DESIGN FOR A TOY HORSE
Ilse von Schenk, New York, N. Y.
Application April 16, 1941, Serial No. 100,409
Term of patent 7 years



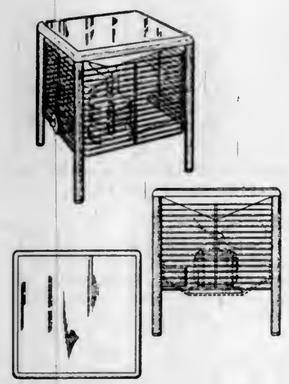
The ornamental design for a toy horse, as shown.

128,184
DESIGN FOR A MUFFLER
Lewis W. Welch, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan
Application September 23, 1940, Serial No. 95,307
Term of patent 7 years



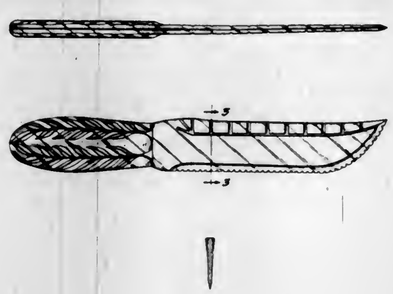
The ornamental design for a muffler, substantially as shown and described.

128,185
DESIGN FOR A COMBINED STAND AND ELECTRIC FAN
William W. Welch, St. Louis, Mo., and Walter A. Spear, Cincinnati, Ohio; said Spear assignor to said Welch
Application January 27, 1941, Serial No. 98,414
Term of patent 14 years



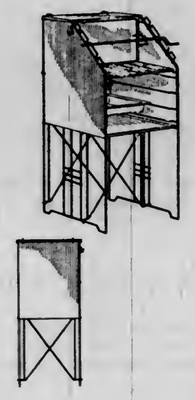
The ornamental design for a combined stand and electric fan, as shown.

128,186
DESIGN FOR A CAKE KNIFE OR ANALOGOUS ARTICLE
Morris Yellin, Chicago, Ill., assignor to Nu-Dell Manufacturing Company, a corporation of Illinois
Application May 23, 1941, Serial No. 101,106
Term of patent 3½ years



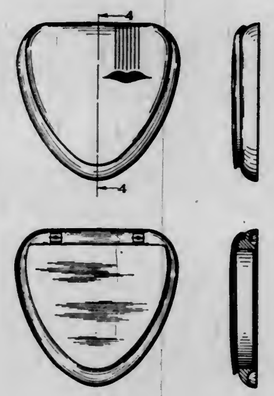
The ornamental design for a cake knife or analogous article, as shown.

128,187
DESIGN FOR A PORTABLE COOKING STOVE
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich., a corporation of Michigan
Application March 31, 1941, Serial No. 100,038
Term of patent 7 years



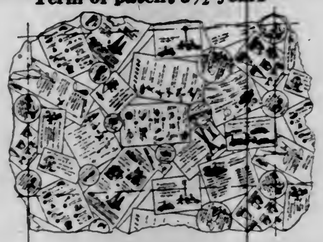
The ornamental design for a portable cooking stove, as shown.

128,188
DESIGN FOR A COSMETIC CASE
Philip A. Derham, Rosemont, and Jesse Herbert Newport, Jr., Overbrook Hills, Pa., assignors to The Waterbury Button Company, Waterbury, Conn., a corporation of Connecticut
Application May 9, 1941, Serial No. 100,862
Term of patent 7 years



The ornamental design for a cosmetic case, as shown.

128,189
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert Finkelstein, Woonsocket, R. I.
Application March 14, 1941, Serial No. 99,596
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

128,190
DESIGN FOR A COMBINED BOW AND SIDE COMBS
Lena Karlen, Philadelphia, Pa.
Application April 22, 1941, Serial No. 100,569
Term of patent 7 years





The ornamental design for a combined bow and side combs, substantially as shown and described.

128,191
DESIGN FOR A DOMESTIC WATER HEATER
Ernst R. Koppel, Wauwatosa, Wis.
Application December 21, 1940, Serial No. 97,525
Term of patent 14 years



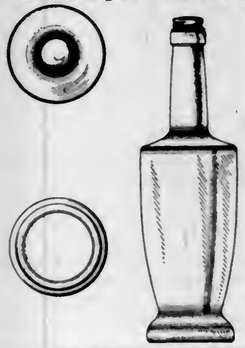
The ornamental design for a domestic water heater, substantially as shown and described.

128,192
DESIGN FOR A WATER HEATER
Ernst R. Koppel, Wauwatosa, Wis.
Application December 21, 1940, Serial No. 97,526
Term of patent 14 years



The ornamental design for a water heater, substantially as shown and described.

128,193
DESIGN FOR A BOTTLE
Louis Miglioretti, Baltimore, Md.
Application May 22, 1941, Serial No. 101,092
Term of patent 14 years



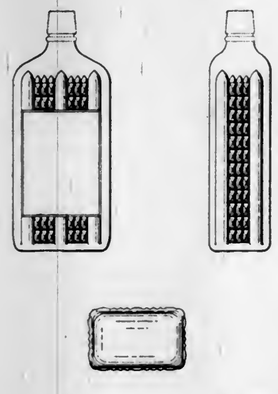
The ornamental design for a bottle, as shown.

128,194
DESIGN FOR A STATUETTE
Frank Rosetta, Benton Harbor, Mich.
Application February 18, 1941, Serial No. 99,092
Term of patent 7 years



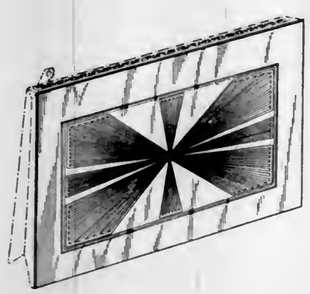
The ornamental design for a statuette, as shown.

128,195
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
James S. Steelman, Millville, N. J., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application May 24, 1941, Serial No. 101,132
Term of patent 7 years



The ornamental design for a bottle or similar article, substantially as shown and described.

128,196
DESIGN FOR A LADY'S HANDBAG
Abraham Stern, New York, N. Y.
Application May 27, 1941, Serial No. 101,182
Term of patent 7 years



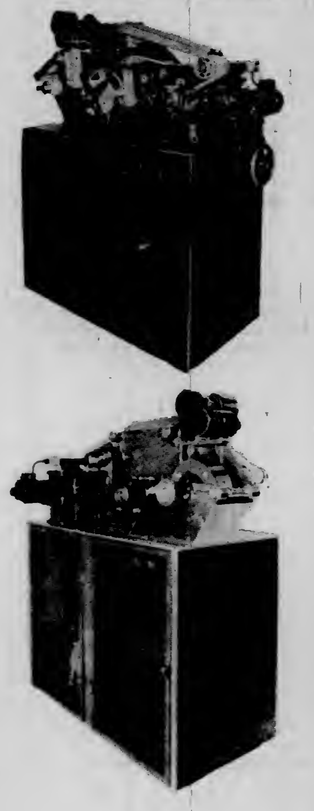
The ornamental design for a lady's handbag, as shown and described.

128,197
DESIGN FOR A FONT OF TYPE
George Strelakos, Tompkinsville, N. Y.
Application December 5, 1939, Serial No. 88,702
Term of patent 14 years



The ornamental design for a font of type, as shown.

128,198
DESIGN FOR A PRINTING PRESS
Adolph Weiss, Brooklyn, N. Y., assignor to Champlain Corporation, Garfield, N. J., a corporation of New York
Application April 24, 1941, Serial No. 100,605
Term of patent 14 years



128,198—Continued



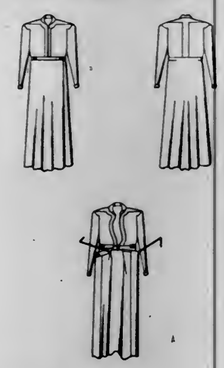
The ornamental design for a printing press, as shown and described.

128,199
DESIGN FOR A COAT
Frederick Amsterdam, New York, N. Y.
Application June 10, 1941, Serial No. 101,372
Term of patent 3½ years



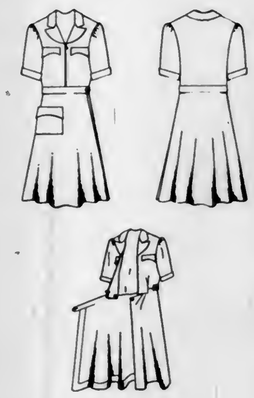
The ornamental design for a coat, substantially as shown.

128,200
DESIGN FOR A DRESS
Perkins H. Bailey, New York, N. Y.
Application October 17, 1940, Serial No. 95,905
Term of patent 3½ years



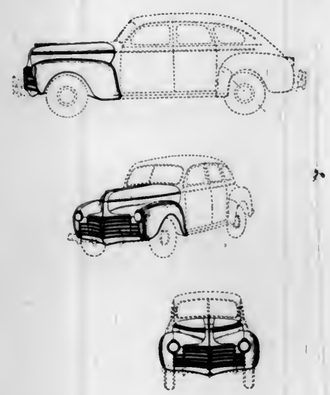
The ornamental design for a dress, substantially as shown.

128,201
DESIGN FOR A DRESS
Perkins H. Bailey, New York, N. Y.
Application October 31, 1940, Serial No. 96,231
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,202
DESIGN FOR AN AUTOMOBILE
Robert Cadwallander, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 25, 1940, Serial No. 96,066
Term of patent 7 years



The ornamental design for an automobile, substantially as shown and described.

128,203
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application June 19, 1941, Serial No. 101,538
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,204
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application June 19, 1941, Serial No. 101,539
Term of patent 3½ years



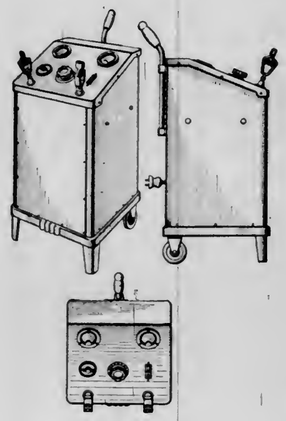
The ornamental design for a coat, substantially as shown.

128,205
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application June 9, 1941, Serial No. 101,348
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,206
DESIGN FOR A BATTERY CHARGER
Albert C. Fletcher, Oklahoma City, Okla., assignor to Quick Charge, Inc., Oklahoma City, Okla., a corporation of Oklahoma
Application February 5, 1941, Serial No. 98,760
Term of patent 14 years



The ornamental design for a battery charger, as shown.

128,207
DESIGN FOR A COAT
Oscar Hauptman, New York, N. Y.
Application June 19, 1941, Serial No. 101,543
Term of patent 3½ years



The ornamental design for a coat, as shown.

128,208
DESIGN FOR A COAT
Oscar Hauptman, New York, N. Y.
Application June 19, 1941, Serial No. 101,544
Term of patent 3½ years



The ornamental design for a coat, as shown.

128,209
DESIGN FOR A COAT
Oscar Hauptman, New York, N. Y.
Application June 19, 1941, Serial No. 101,545
Term of patent 3½ years



The ornamental design for a coat, as shown.

128,210
DESIGN FOR A DRESS
Louis Joel, New York, N. Y.
Application June 9, 1941, Serial No. 101,350
Term of patent 3½ years

The ornamental design for a dress, substantially as shown.

128,211
DESIGN FOR A REDINGOTE
Helen May, New York, N. Y.
Application April 24, 1941, Serial No. 100,596
Term of patent 3½ years

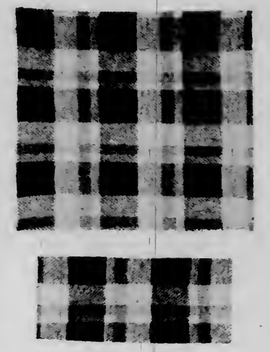


The ornamental design for a redingote, substantially as shown.

128,212
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application June 9, 1941, Serial No. 101,349
Term of patent 3½ years

The ornamental design for a dress, substantially as shown.

128,213
DESIGN FOR A TEXTILE FABRIC
Edward McLaughlin, South Bound Brook, N. J.
Application June 19, 1941, Serial No. 101,555
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

128,214
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application June 13, 1941, Serial No. 101,438
Term of patent 3½ years



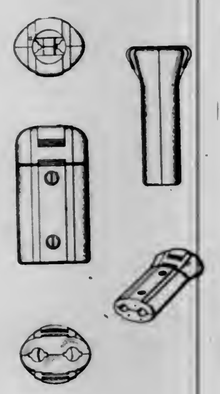
The ornamental design for a dress ensemble, substantially as shown.

128,215
DESIGN FOR A DRESS
Daniel Novick, Chicago, Ill.
Application May 28, 1941, Serial No. 101,207
Term of patent 7 years



The ornamental design for a dress, as shown.

128,216
DESIGN FOR A FEMALE ELECTRIC PLUG
Jean Otis Reinecke, Oak Park, Ill., assignor to Belden Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 13, 1941, Serial No. 98,982
Term of patent 14 years



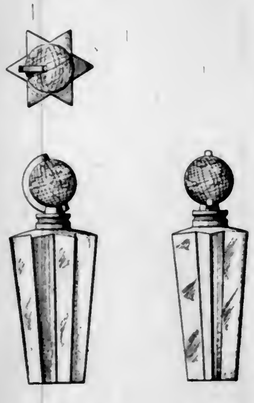
The ornamental design for a female electric plug, substantially as shown.

128,217
DESIGN FOR A COAT
Harry Shacter, Westport, Conn.
Application May 31, 1941, Serial No. 101,234
Term of patent 3½ years



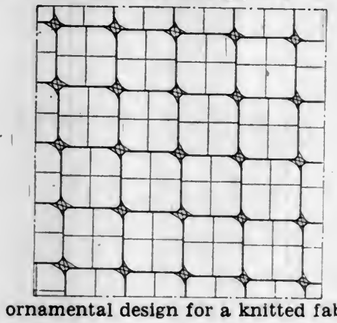
The ornamental design for a coat, substantially as shown.

128,218
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Richard Sussman, New York, N. Y.
Application May 15, 1941, Serial No. 100,951
Term of patent 7 years



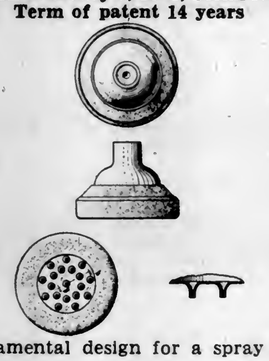
The ornamental design for a bottle or similar article, substantially as shown.

128,219
DESIGN FOR A KNITTED FABRIC
Joseph A. Viret, Teaneck, N. J.
Application March 17, 1941, Serial No. 99,643
Term of patent 3½ years



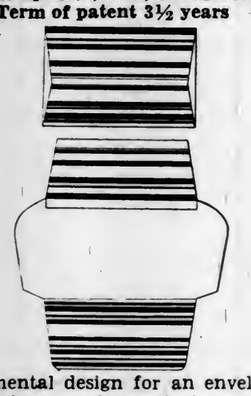
The ornamental design for a knitted fabric, as shown.

128,220
DESIGN FOR A SPRAY HEAD
Hans Werner, Verona, N. J., assignor to Gifford D. Davis, South Orange, N. J.
Application February 5, 1941, Serial No. 98,757
Term of patent 14 years



The ornamental design for a spray head, as shown.

128,221
DESIGN FOR AN ENVELOPE
William Whiting, Holyoke, Mass.
Application April 26, 1941, Serial No. 100,635
Term of patent 3½ years



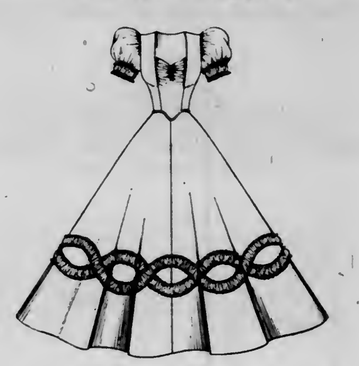
The ornamental design for an envelope, substantially as shown and described.

128,222
DESIGN FOR A DRESS ENSEMBLE
William Clion, Brooklyn, N. Y.
Application June 18, 1941, Serial No. 101,501
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,223
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application June 19, 1941, Serial No. 101,551
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,224
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application June 19, 1941, Serial No. 101,552
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,225
DESIGN FOR A COAT
Oscar Hauptman, New York, N. Y.
Application June 19, 1941, Serial No. 101,546
Term of patent 3½ years



The ornamental design for a coat, as shown.

128,226
DESIGN FOR A DRESS ENSEMBLE
Judith Woursell Holsten, New York, N. Y.
Application June 18, 1941, Serial No. 101,498
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,227
DESIGN FOR A DRESS
Judith Woursell Holsten, New York, N. Y.
Application June 18, 1941, Serial No. 101,499
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,228
DESIGN FOR A DRESS
Judith Woursell Holsten, New York, N. Y.
Application June 18, 1941, Serial No. 101,500
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,229
DESIGN FOR A DRESS
Ruth R. Kass, New York, N. Y.
Application June 20, 1941, Serial No. 101,575
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,230
DESIGN FOR A DRESS
Louis Katz, New York, N. Y.
Application June 19, 1941, Serial No. 101,548
Term of patent 3½ years



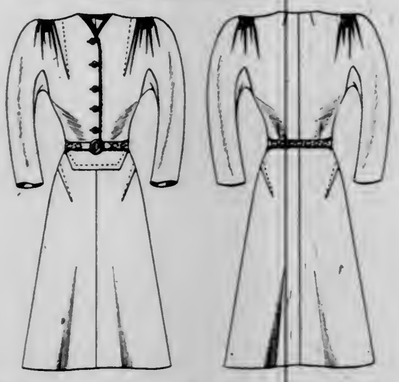
The ornamental design for a dress, substantially as shown.

128,231
DESIGN FOR A DRESS
Louis Katz, New York, N. Y.
Application June 19, 1941, Serial No. 101,549
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,232
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application June 19, 1941, Serial No. 101,540
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,233
DESIGN FOR A DINNER DRESS ENSEMBLE
Stella Brownie Kaufman, New York, N. Y.
Application June 19, 1941, Serial No. 101,541
Term of patent 3½ years



The ornamental design for a dinner dress ensemble, substantially as shown.

128,234
DESIGN FOR A DRESS ENSEMBLE
Delmar Mayehoff, New York, N. Y.
Application June 14, 1941, Serial No. 101,452
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,235
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application June 18, 1941, Serial No. 101,503
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,236
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application June 18, 1941, Serial No. 101,504
Term of patent 3½ years



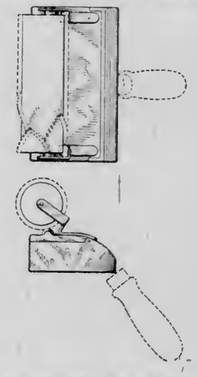
The ornamental design for a dress, substantially as shown.

128,237
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application June 14, 1941, Serial No. 101,454
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,238
DESIGN FOR A PAINT APPLICATOR OR SIMILAR ARTICLE
Lothar Sommerhauser, Long Island City, N. Y.
Application March 28, 1941, Serial No. 99,954
Term of patent 7 years



The ornamental design for a paint applicator or similar article, substantially as shown and described.

128,239
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application June 19, 1941, Serial No. 101,550
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,248,918 to 2,249,723

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 528—No. 3 TUESDAY, JULY 15, 1941 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

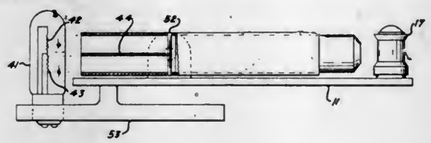
	Page
Issue of July 15, 1941	521
Erratum	521
Adverse Decisions in Interference	521
Disclaimers	521
Important Information	521
Applications Under Examination	522
Decisions of the U. S. Courts—	
In re Crowe	523
In re Tenney	524
In re Ewald	528
Patent Suits	529
Trade-Marks Published (123 Applications)	531
Trade-Mark Registrations Granted	546
Trade-Mark Registrations Renewed	552
Reissues	555
Patents Granted	558
Designs	753

July 15, 1941

Trade-Marks	133	No. 388,825 to No. 388,957, inclusive.
T. M. Renewals	72	
Reissues	8	No. 21,852 to No. 21,859, inclusive.
Patents	806	No. 2,248,918 to No. 2,249,723, inclusive.
Designs	122	No. 128,240 to No. 128,361, inclusive.
Total	1,141	

Erratum

Page 199 of the Official Gazette of May 6, 1941, Patent No. 2,241,131, the cut of the figure which usually appears ahead of the printed claim was omitted and is shown below.



Adverse Decisions in Interference

In interference involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,073,885, H. J. Spanner and O. Gadamer, Electric discharge tube, decided May 26, 1941, claim 7.

Pat. 2,108,053, A. D. Eitzen, Broad tape projector, decided June 19, 1941, claim 32.

Pat. 2,156,151, G. F. French, Reinforced ladder webbing, decided April 29, 1941, claims 1, 2, 3, and 5.

Pat. 2,195,676, J. McCarty, Television method and means, decided June 20, 1941, claims 8 and 9.

Pat. 2,204,333, R. W. Wagner, Mowing machine, decided June 17, 1941, claims 19, 25, 26, 27, 31, and 48.

Pat. 2,204,334, R. W. Wagner, Mowing structure, decided June 17, 1941, claims 12, 14, and 15.

Pat. 2,207,444, E. R. Schroeder, Car bumper; decided June 17, 1941, claims 15 and 16.

Disclaimers

1,917,261.—*Paul E. Hawkinson*, Minneapolis, Minn. Method of Retreading Tire Casings. Patent dated July 11, 1933. Disclaimer filed June 20, 1941, by the assignee, *Paul E. Hawkinson Company*.

Hereby enters this disclaimer of claim 6 of said patent.

2,179,462.—*Henry S. Young*, Wilkinsburg, Pa. Railway Traffic Controlling Apparatus. Patent dated November 7, 1939. Disclaimer filed June 19, 1941, by the assignee, *The Union Switch and Signal Company*.

Hereby disclaims the subject matter of claims 8 and 9.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)

Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)

Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

Original specification. (Facsimile at present time.)

File-wrapper. (File-wrapper only.)

File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)

File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)

Assignment. (Give the liber and page of the record as well as the name of the inventor.)

Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)

Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

Condition of Applications Under Examination at Close of Business June 30, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,763; Trade-Mark Division, 1,195. Oldest new case, Sept. 19, 1940; oldest amended, Sept. 11, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 4	Jan. 22	652
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Jan. 30	Jan. 23	539
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	May 1	Apr. 30	420
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Mar. 29	Feb. 24	568
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 6	Mar. 5	407
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	†Nov. 29	†Dec. 6	1125
5725	7. JARBOE, C. G., Optics; Photography	Jan. 8	Jan. 16	935
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Jan. 2	Jan. 2	858
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Feb. 4	Feb. 8	674
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Feb. 13	Feb. 18	453
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 6	Mar. 5	405
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Jan. 9	Jan. 8	560
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 6	Jan. 3	472
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Mar. 15	Mar. 8	537
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Jan. 13	Jan. 8	1050
5716	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 7	Feb. 21	538
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 29	Feb. 17	562
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 3	Feb. 10	472
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 19	Feb. 15	709
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 5	Feb. 12	444
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 21	Feb. 20	316
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Oct. 7	†Oct. 8	1537
7624	23. BUTTNER, W. J., Registers (part)	†Oct. 24	†Oct. 11	272
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 17	Jan. 10	851
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 10	Mar. 5	470
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Feb. 28	Mar. 4	405
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Jan. 30	Jan. 30	542
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Jan. 25	Feb. 1	392
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Jan. 4	Jan. 22	679
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 1	Mar. 5	517
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Jan. 18	Jan. 18	1353
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 10	Feb. 12	957
6096	33. KAUFFMAN, H. E. (Act.), Bridges, Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Feb. 6	Feb. 6	996
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	†Dec. 10	†Dec. 26	495
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Jan. 16	Jan. 4	977
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Jan. 24	Jan. 21	517
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Dec. 21	Feb. 26	584
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Sept. 19	†Sept. 11	1251
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 25	Feb. 27	579
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	†Dec. 11	†Dec. 10	1764
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Jan. 27	Jan. 27	473
5882	42. CUTTING, H. O., Electric Signaling	Mar. 22	Mar. 15	312
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Jan. 6	Jan. 2	616
4087 B	44. HARVEY, L. P., Refrigeration	Jan. 2	Jan. 2	626
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Apr. 7	Mar. 31	331
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Feb. 7	Feb. 17	687
6082	47. KANOF, W. J., Clutches; Brakes	Feb. 25	Feb. 28	354
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Mar. 5	Mar. 5	518
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Jan. 9	Jan. 2	729
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber Coating Processes	Jan. 9	Jan. 9	1102
5628	51. BACKUS, C. D., Radiant Energy (part)	Apr. 15	Apr. 15	467
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Mar. 8	Mar. 4	638
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	†Dec. 9	†Dec. 20	866
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Jan. 13	Jan. 11	358
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Feb. 3	Jan. 27	308
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	†Dec. 2	†Nov. 30	1204
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	†Nov. 15	Mar. 10	159
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	†Dec. 12	Jan. 17	510
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Jan. 8	Jan. 8	981
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Jan. 28	Apr. 11	347
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 17	Mar. 25	280
5621	62. PUGH, E. C., Games; Geometrical Instruments	Apr. 10	Mar. 20	486
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	†Dec. 24	†Dec. 23	1049
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Apr. 2	Mar. 25	537
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Apr. 14	Apr. 8	334
2099 B	Trade-Marks: F. A. RICHMOND	June 2	June 16	1195
2605	Designs: H. H. KALUPY	May 19	June 12	657

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE CROWE

No. 4,406. Decided March 31, 1941

[118 F.(2d) 361]

PATENTABILITY—METHOD OF HARDENING.

Certain claims for a method of hardening limited to flame hardening *Held* patentable over the prior art, but another claim, not so limited, *Held* unpatentable.

APPEAL from Patent Office, Modified.

Mr. J. F. Brandenburg (*Mr. Charles W. Neill* of counsel) for Crowe.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office rejecting all of the claims (7 to 13, inclusive,) in appellant's application for a patent for an alleged invention relating to improvements in the method of flame hardening shafts.

With the exception of claim 12 which is not expressly limited to "flame hardening," claim 9 is illustrative of the appealed claims. It reads:

9. The method of hardening shafts and other round stock involving the application of flame heat to the surface of the round stock followed by quenching, characterized in that continuous relative rotary and longitudinal motions are produced between the heating agency and the round stock, that the quenching is simultaneous with the heating and follows close behind the region of heating in the direction of longitudinal motion, that the speed of longitudinal motion is kept slow in relation to the speed of rotation, and that the application of heat is confined to a limited angle of the shaft surface, which angle is so related to the rate of longitudinal motion that a substantial penetration of the heat below the surface of the shaft is obtained before the shaft is quenched.

It appears from appellant's application that during the heating operation there is relative rotary movement of the shaft and longitudinal movement of the heating agency; that the

"application of heat is confined to a limited angle of the"

shaft's surface, which angle, according to claim 9,

"is so related to the rate of longitudinal motion that a substantial penetration of the heat below the surface of the shaft is obtained before the shaft is quenched";

that water jets are used in the quenching process; and that the quenching, when employed,

"is simultaneous with the heating and follows close behind the region of heating in the direction of longitudinal motion."

It is stated in appellant's brief that—

In the flame hardening of shafts there is danger of producing a hardened shell or case that will crack loose from the underlying metal and spall off after the shaft is put into use and subject to an increase in stress caused by vibration, change in temperature, or other service conditions. Spalling is generally the result of a steep temperature gradient which produces a sharp or abrupt change from a hard to a soft zone [in the shaft] with resulting high concentration of stresses.

The density of the hardened section of the shaft is different from that of the unhardened metal, and when the internal stresses caused by temperature changes are concentrated within a small section of the metal because of an abrupt change from hard to softer metal these concentrated stresses sometimes cause a break in the metal along the juncture of the hard and soft metal.

Although the theory advanced by counsel for appellant in the quoted excerpt from their brief seems plausible, no authority is cited in support thereof nor is reference made thereto in appellant's application. It is apparent, however, from his application that appellant is able, by means of the method defined in the appealed claims, to control not only the degree but also the depth of hardness in the shaft.

No question is raised by the Patent Office tribunals as to the usefulness of appellant's method. The appealed claims were rejected on the ground that they did not involve patentable subject matter in view of the disclosures in the references of record.

The references relied upon are: Jackman et al., 1,367,049, February 1, 1921; Mordey, 1,412,484, April 11, 1922; Shorter (British), 303,196, December 31, 1928; Klopp, 1,801,090, April 14, 1931; Kinzel (British), 428,995, May 22, 1935; Taylor, 2,065,627, December 29, 1936.

The patent to Jackman et al. relates to an apparatus for hardening relatively small and thin articles, such as saw blades and the like, and discloses a flame hardening apparatus in which the back of the blade is embedded in a groove of a "bed or table" in order to prevent it being heated; thus only the exposed portion of the article is heated, and, after heating, is immediately cooled by a suitable quenching medium such as oil.

The patent to Mordey relates to the hardening of articles of iron, steel, and alloys, including plates, sheets, rods, etc. In the patentee's process the articles are hardened by arranging them

"in the magnetic circuit of an alternate current electro-magnet which may be one phase or multiphase and is so constructed that an alternating magnetic flux will be induced in the steel article under treatment of sufficient value to set up eddy currents therein of such strength, aided to some extent by magnetic hysteresis, as to heat the steel article to the temperature required."

The patentee states that when the article is properly heated it may be allowed to fall into a quenching bath to harden, or it may be quenched by water or air issuing from a nozzle. The article being heated may be moved relative to the stationary alternate current electro-magnet, and the

"frequency [of the alternating current] may be varied, as one means of controlling the depth or penetration of the heat in the article."

The patent to Shorter discloses a series of burners and quenching jets entirely surrounding a shaft. By the patentee's method the shafts are progressively heated and quenched by relatively rotating them with the burners and quenching means. This reference discloses progressive flame hardening, as does appellant. However, in the reference the heat is applied to the entire circumference of the shaft, whereas in appellant's method the heat is confined to an angle substantially less than the circumference of the shaft. No mention is made in the patent about controlling depth of hardening.

The patent to Klopp relates to the flame harden-

ing of bearing surfaces of shafts, particularly driving shafts, and discloses an apparatus in which a shaft is rotated in front of burners, the entire length of the shaft being heated at the same time. After the shaft is heated to the proper temperature, it is dropped into a quenching tank.

The patent to Kinzel relates to the surface flame hardening of shafts, and discloses a method in which a blowpipe and the shaft are moved relative to one another. The shaft may be rotated while the blowpipe is moved back and forth along the entire length of the shaft until the critical range of temperature has been reached, at which time a cooling medium is applied to the shaft.

The patent to Taylor relates to a process of flame hardening metal articles, and was cited by the Primary Examiner because it discloses the use of a quenching fluid both in front of and behind the burner and in the direction of the movement of the burner.

Claims 8 to 13, inclusive, were rejected by the Primary Examiner on the patents to Jackman et al. and Mordey, in view of the patents to Klopp, Taylor, Shorter, and Kinzel, the Examiner stating:

> * * * In Mordey and Jackman the heating means is extended in the direction of the length of the object being heated to secure proper heating followed by a quenching means and to use this method on a round object and to rotate the round object to secure heating over the whole periphery is not deemed invention in view of Shorter, Klopp and Kinzel. The heating means of Mordey ["an alternate current electro-magnet"] is clearly the equivalent of a flame heating means and is of an extended nature to secure heating to the proper depth.

Claim 7 was rejected by the Primary Examiner on the above mentioned references and the patent to Taylor, which discloses the application of a cooling fluid against the heated surface in front of the heating agency.

In affirming the decision of the Primary Examiner, the Board of Appeals, among other things, said:

> * * ' we fail to see that the claims [8 to 12, inclusive,] are patentable over either Jackman et al. or Mordey considered with Shorter and Klopp. It would not be inventive to heat and quench a round bar by means of the heating and quenching means of the first two patents and rotate the bar as the heating and quenching means are applied along the bar in view of Shorter and Klopp. The Shorter patent appears to be especially quite pertinent.

The Board also concurred in the rejection of claims 7 and 13, for the reasons stated by the Primary Examiner.

It is apparent that the patent to Jackman et al. does not disclose a method of flame hardening which could be applied to shafts, and the only other reference which discloses a method of controlling the depth of hardening and varying the degree of hardness from the surface inwardly is the patent to Mordey. Mordey, however, uses an alternate current electro-magnet as a heating agency. He does not disclose the method of flame hardening, as does appellant. Furthermore, Mordey teaches the desirability of quenching the article only after the entire article has been heated to the proper temperature, whereas in appellant's method the quenching is simultaneous with the heating and follows in the direction of the longitudinal movement of the heating agency.

As hereinbefore noted, the Primary Examiner stated that the

> "heating means of Mordey is clearly the equivalent of a flame heating means and is of an extended nature to secure heating to the proper depth."

It may be that the heating means of Mordey is the equivalent of a flame hardening means so far as the result obtained is concerned. However, we are not here concerned with a means, but rather with a method, for obtaining the desired result.

The Patent Office tribunals did not hold that the disclosure in the patent to Mordey was an anticipation of the method set forth in the appealed claims, as it obviously is not, but, in rejecting the appealed claims, combined that and the Jackman et al. reference with the other references of record.

The patents to Shorter and Taylor disclose the idea of quenching simultaneously or immediately after the flame heating of shafts, and the patents to Klopp and Kinzel disclose the hardening of shafts by the flame heating process. However, none of those references disclose nor suggest the idea of controlling the depth of hardening. Furthermore, although the Mordey reference teaches the art how depth hardening may be controlled and the degree of hardness varied from the surface inwardly of shafts by means of an alternate current electromagnet in the manner set forth, it does not suggest how those desirable ends can be attained by means of flame heat.

We are constrained, therefore, to disagree with the views expressed by the tribunals of the Patent Office that the method of flame hardening defined in appealed claims 7, 8, 9, 10, 11, and 13 is unpatentable in view of the references of record. Appealed claim 12, however, is not limited to a method of flame hardening, and we are of opinion that that claim was properly rejected on the references of record.

For the reasons stated, the decision of the Board of Appeals is modified, being affirmed so far as it relates to claim 12 and in all other respects reversed.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE TENNEY

No. 4,394. Decided February 3, 1941. Petition for rehearing denied May 5, 1941

[117 F.(2d) 377 and — F.(2d)—]

1. APPLICATIONS—DISCLOSURE—RIGHT OF APPLICANT TO MAKE CLAIM COPIED FROM PATENT.

   Certain claims for a process of manufacturing water gas including one claim copied by appellant from a patent granted to another *Held* not supported by appellant's application.

   On Petition for Rehearing

2. PATENTABILITY—CLAIMS.

   If an applicant believes he has an invention not disclosed by a prior patent he should use language in his claims which will clearly distinguish it from such patent.

3. APPEAL—PETITION FOR REHEARING.

   Petition for rehearing *In re Tenney*, 28 C. C. P. A.—117 F.(2d) 377, denied.

APPEAL from Patent Office. Affirmed.

Mr. Benjamin Sweedler for Tenney.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the Examiner's rejection of five of the claims of appellant's application for patent relating to a method of making combustible gas. Two claims stand allowed. The appealed claims are numbered, respectively, 13, 14, 19, 20, and 21. We quote Nos. 13 and 19:

> 13. The process of manufacturing water gas which consists in alternately introducing an air blast and a steam run into the fuel bed of a gas generator, and admitting heavy oil into the top of the generator simultaneously with the steam run to enrich the resulting gas, said air blast being introduced in a reverse direction into the generator and downwardly through at least the upper portion of the fuel bed to consume carbonaceous deposits resulting from the admission of said heavy oil, and withdrawing the air blast from the generator at a point below the top of the fuel bed.
>
> 19. In a process of making carburetted water gas in a set including a single generator containing a fuel bed, a single carburetor and a single superheater in individual detached shells connected in series, the steps which consist in alternately introducing an air blast and a steam run into and through the fuel bed and admitting hydrocarbon oil, which upon decomposition forms carbonaceous deposits, into the top of the generator simultaneously with the steam run to enrich the resulting gas, said air blast being in part up through the fuel bed and in part in a reverse direction through the fuel bed in the generator downwardly through at least the upper portion thereof to consume carbonaceous deposits resulting from the introduction of said hydrocarbon oil, and withdrawing the air blast from the generator at a point below the top of the fuel bed.

The rejection of all the appealed claims was based on the ground that they are not supported by the disclosure of the application. No prior art reference was cited.

A summarization of the somewhat unusual history of the case is deemed proper.

Appellant's instant application embracing a number of claims was filed November 1, 1932. It recited that it was a division of a prior application, Serial No. 31,028, filed by him May 18, 1925, which eventuated in Patent 1,900,961 on March 14, 1933. By an amendment presented October 6, 1934, appellant copied as claim 13, a claim (No. 1) from a patent (No. 1,947,792) issued February 20, 1934, to Gerald J. Nordmeyer and Thomas W. Stone as joint inventors, and sought an interference. An interference was formally declared January 22, 1935, the claim so copied constituting the only count. Nordmeyer and Stone moved to dissolve the interference on the ground that Tenney was not entitled to make the count for lack of disclosure. The Primary Examiner sustained the motion and, upon appeal as provided by Patent Office rule 124, as then in force, the Board affirmed his decision. No award of priority was made. Tenney appealed to this court. Nordmeyer and Stone moved to dismiss the appeal on the ground that since there was no award of priority this court was without jurisdiction. We sustained the motion in a decision rendered February 7, 1938. *Tenney* v. *Nordmeyer et al.*, 25 C. C. P. A. (Patents) 851, 94 F.(2d) 396, 491 O. G. 466.

In the course of our decision we said:

> * * * we think it not improper to say that, in our opinion, a proper appeal being taken, appellant is entitled, under the law, to have his right to make the claim constituting the count in issue decided by this court.

After our decision appellant prosecuted his application, including all the appealed claims in an ex parte proceeding. Other claims were embraced which were denied below and not appealed to us. Therefore, there are portions of the Examiner's statement and of the Board's decision which have no relevancy to the issues before us. We have found it necessary, however, to examine the decisions in the interference proceeding in connection with the office actions and decisions in the ex parte case, because of references made in the latter to expressions embraced in the former.

It appears that on April 30, 1938, the Examiner held that the application was not "a true division" of the patent application and ruled that the word "divisional" should be changed to "continuation-in-part."

It further appears that appellant, in response to the Examiner's ruling, amended the application by canceling the phrase "oil or other hydrocarbon enriching material" from the specification and changing "liquid hydrocarbon enriching material" wherever it occurred in claims 14, 19, 20, 21, and 22 to "hydrocarbon oil." Thereafter the Examiner, in a decision rendered October 17, 1938, formally withdrew the "objection" to designating the instant application as a division," and withdrew the "rejection of all the claims except 13 based on the ground that they are broader than warranted by the original disclosure."

The proceedings immediately above recited, beginning with the Examiner's ruling of April 30, 1938, took place in the ex parte proceeding and were not involved in the interference case referred to in which latter the final decision of the Board was rendered August 4, 1936.

In passing ex parte upon the merits of the claims, the Examiner first considered claim 13 separately, and rejected it upon two grounds, both involving the matter of disclosure in the original application. The first of these grounds was that the "heavy oil" named in the claim was not met by the disclosure of "tar" to which the original application was confined. The second ground was that the claim, when read on Tenney's disclosure, "is more or less meaningless," and the latter ground was subsequently applied to all the other appealed claims.

The first ground so applied in the ex parte proceeding is one of the grounds which was applied by the Examiner in dissolving the interference, while the second ground is the same as that which the Board applied when it affirmed the decision of dissolution on the interlocutory inter partes appeal.

The case as it comes before us is somewhat complicated, not alone by reason of the technical character of the process at issue, but because of the necessity for analyzing so many different decisions

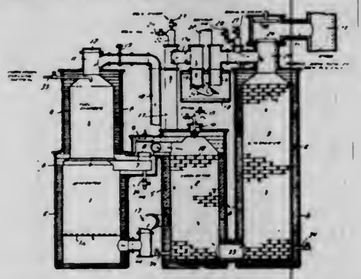
and statements by the respective tribunals of the Patent Office and sifting them to find the particular subject matter properly applicable to the issue or issues involved here.

Because of the complications growing out of the situation described, the court, after a study of the case following the regular oral argument, felt justified in requesting a reargument and this was had. This reargument, accompanied by an illustrative drawing filed by appellant, has been of much aid in clarifying and, we may add, in simplifying the issue.

The Board described the process or processes in the following terms:

> The subject matter of the appealed claims is a process of making carburetted water gas in a set consisting of a single generator containing a fuel bed, a single carburetor and a single superheater. In carrying out appellant's method, four different steps are mentioned as specifically described in the Examiner's statement. These operations consist
> (1) of a forward air run in which the fuel in the generator is blasted and the hot products pass through the carburetor and superheater.
> (2) a reverse run with air which travels through the superheater carburetor and downwardly through the combined generator and retort 4.
> (3) a reverse steam run in which the steam enters the superheater, passes through the carburetor and downwardly through the combined generator and retort, and
> (4) a forward steam run in which the steam is first introduced at the bottom of the generator 1 and passes upwardly through the generator and retort 4, thence through the carburetor and superheater to storage.

The instant application is accompanied by a drawing which we here reproduce.



It may be remarked that the chamber indicated by the numeral 4 and designated "Fuel Chamber" in the above drawing is often referred to throughout the record as the "retort" chamber and also as a "zone."

In his ex parte decision the Examiner quoted from the prior decisions in the interference proceeding where only present claim 13 was involved, and the following description of the process which the Board subsequently expressly approved was given:

> It will be noted also that in the Primary Examiner's opinion of November 21, 1935 (Paper No. 30 in interference No. 70,065), which opinion was affirmed by the Board, it was emphasized (at page 11) that "the fuel bed of Tenney comprises two zones 1 and 4. Zone 1 is the water gas generating zone composed chiefly of incandescent coke, while zone 4 is a coking zone through which (bituminous) coal moves downwardly and is progressively coked. This operation is regulated so that the coking (of the bituminous coal) is substantially completed at least by the time the downwardly moving fuel passes the blast gas offtake 7." Of course, in Nordmeyer and Stone the forward air blast passes upwardly through the entire fuel bed. * * * The former opinion continues: "Zone 4 obviously does not become as hot as the gas generating zone 1 (i. e., because the hot forward air blast gases by-pass the upper coking zone or retort 4 by means of the passage 7) which latter corresponds to the generating zone of Nordmeyer et al., and it is obvious that material (i. e., tar) injected onto the top of zone 1 (zone 4) will be distilled more or less progressively along with the coal (see lines 18 to 25, page 7 of Tenney's application) which operation is materially different from that which occurs in the Nordmeyer application. * * * The only combustion, if any, which occurs in Tenney's (retort or coking) zone 4 occurs during the reverse air blast, whereas Nordmeyer's zone of oil admission is heated by both up and down air blasting.
> "Since the process of the count must be construed as including a forward air blast, as admitted by the party Tenney, this forward blast must be regarded as conventional, just according to that disclosed by Nordmeyer. The conventional forward blast passes through the entire height of the fuel bed. Tenney's forward air blast is stated to be only through zone 1.
> "If Tenney's fuel bed be considered as both zones 4 and 1, it is obvious that he does not disclose the conventional forward air blast included by necessary inference in the count. On the other hand, if it be held that zone 4 is the fuel bed, then Tenney fails to disclose the step of admitting any kind of oil (tar) whatever 'to the top of the generator', since whatever (tar) goes into the set at 35 is reduced to coke by the time it reaches 'the top of the generator' 7.
> "The party Tenney thus has no disclosure of the specific liquid fuel—'heavy oil'—of the count, nor does he disclose the conventional forward run (with air) admittedly required by necessary inference."
> Claims 14 and 19 to 21 stand similarly rejected with respect to their recitation of passing the reverse air blast downwardly through at least the upper portion of the fuel bed. Since they are similar to claim 13 in this respect, it follows they are subject to rejection for the same reasons as applied in detail to claim 13, supra. Of course, it will be noted these claims are not subject to the other objection against claim 13 of reciting heavy oil, specifically.

So, it appears that upon this phase of the case the tribunals below were in complete agreement. Obviously, claim 13 was regarded by them as being ambiguous, particularly with respect to the generator feature, and hence it was interpreted in the light of the Nordmeyer and Stone patent in which it originated, and the same was true of the other appealed claims.

It is urged before us on behalf of appellant that the units 1 ("generator") and 4 ("Fuel Chamber") together constitute a generator in the sense in which "generator" is used in the appealed claims, and it is argued that the tribunals of the Patent Office by interpreting "generator" to mean a feature not having a fuel receiving chamber have read a limitation into the appealed claims not justified by the normal meaning of the term "generator," as used in the water gas art.

This obviously constitutes the crux of the case and the authorities cited by appellant (*Sweetland* v. *Cole*, 19 C. C. P. A. (Patents) 751, 53 F.(2d) 709, 415 O. G. 4; *Knauss et al* v. *Anderson*, 20 C. C. P. A. (Patents) 914, 63 F.(2d) 450, 432 O. G. 3; *Altvater* v. *Knight*, 23 C. C. P. A. (Patents) 897, 82 F.(2d) 608, 469 O. G. 267) have received our very careful attention.

We do not think it necessary to discuss the facts of those cases. The rule of law here invoked was stated in the *Sweetland* v. *Cole* case as follows:

> * * * If, in the respective disclosures, the means are present to meet the count under the normal meaning of its limitations as so determined, then we know of no authority for the court entering upon a technical research into the respective methods of operation and saying that one device will operate and the other will not, or that one will operate differently from the other.

The rule so stated is well settled but its applicability depends upon the facts appearing in any given case. In that case no ambiguity was found to exist which rendered it proper to resort to the origin of the count in order to interpret it.

In the *Knauss et al.* v. *Anderson* case, supra, one of the counts was found to be ambiguous and in interpreting it resort was had to the source of its origin.

In the instant case we are unable to escape the force of the Examiner's statement already quoted, to the effect that if Tenney's fuel bed be considered as embracing both zones 1 and 4, as shown in the drawing, he does not disclose the forward air blast, while, on the other hand, if zone 4 be held to be the fuel bed and the generator limited to zone 1, there is no disclosure of admitting oil to the top of the generator, because oil introduced at the top of zone 4 through the pipe 35 would of necessity be coked before descending to the top of chamber 1.

[1] Since there is no material difference between claim 13 and the other appealed claims relative to the "generator" feature, separate discussion of the other claim is unnecessary, and since, in our view, claim 13 must be rejected upon the ground stated, it is unnecessary for us to pass upon the question of whether disclosure of the use of tar alone is sufficient to support the use of "heavy oil" required by that claim.

The decision of the Board is affirmed.

Affirmed.

On Petition for Rehearing

GARRETT, *P. J.*:

On February 3, 1941, we rendered a decision in this case adverse to the appellant. *In re Tenney*, 28 C. C. P. A. (Patents) —, 117 F.(2d) 377. The history of the case is fully set forth in that opinion.

Within the time provided by the rules appellant filed a petition for rehearing as to certain claims, accompanying same with a brief statement, to which statement (at the request of the court) the Solicitor for the Patent Office made reply.

The appeal brought before us five claims which had been rejected below, numbered, respectively, 13, 14, 19, 20, and 21. We affirmed the rejection of all the appealed claims. The petition for rehearing requests reconsideration of only claims 19, 20, and 21. Claim 19 was quoted as illustrative along with claim 13 in our former opinion.

As the case was presented to us in the briefs and twice in oral argument, practically all the emphasis was placed on claim 13 and little attention was given the others, although it is fair to appellant's counsel to state that in his original brief certain claimed distinctions were set forth. The list of alleged errors relied on, as stated in his original brief, did not suggest any line of demarcation so far as the point upon which we sustained the rejection was concerned. The discussion below revolved almost wholly about claim 13, and our own discussion was principally devoted to it. All the claims were rejected below on the ground that they were not supported by the disclosures of the application. Claim 13 was copied from a patent which had been issued to Nordmeyer and Stone as joint inventors, and an interference was declared which was dissolved on motion of the patentees, no award of priority being made. The ground of dissolution was lack of disclosure, the same as that upon which the rejection was based in the subsequent ex parte proceeding.

We took the view that the claim was regarded as ambiguous by the tribunals of the Patent Office, particularly with respect to what was referred to as a "generator feature," and that it was interpreted in the light of the patent in which it originated, and, in sustaining the decision below, said "the same was true of the other appealed claims."

In the petition for rehearing, appellant points out that claims 19, 20, and 21 did not originate in the patent; urges that it is improper to interpret them in the light of the patent, and insists that if they be given their "normal and intended meaning," they "read directly on the Tenney disclosure."

Apparently, we were in error in stating, or implying, that the tribunals of the Patent Office interpreted claims 19, 20, and 21 in the light of the patent, and our former opinion may be regarded as modified in that respect. What the Examiner said with respect to those claims (omitting the part relating to heavy oil not involved in them) was:

> [They] stand similarly [to claim 13] rejected with respect to their recitation of passing the reverse air blast downwardly through at least the upper portion of the fuel bed. Since they are similar to claim 13 in this respect, it follows they are subject to rejection for the same reasons as applied in detail to claim 13 * * *.

The Board said:

> Claims * * * 19 to 21 are quite like claim 13 and it is not deemed necessary to repeat the grounds of rejection urged against same. There is not sufficient difference between this group of claims and 13 to warrant separate treatment. What has been said above against claim 13 applies with equal force here.

We think it should be said that our statement to the effect that the tribunals of the Patent Office regarded claim 13 as ambiguous was our interpretation of their decision and that they did not expressly so state. Since the filing of the instant petition for rehearing we have carefully reexamined the pertinent portions of their decisions in both the interference and ex parte proceedings, and, in fact, find no reason to conclude that disclosure would have been found in appellant's application, even considering it independently of the patent.

[2] However this may be, it is our view that it would not be proper to allow claims 19, 20, and 21, while at the same time denying claim 13, which denial we think was proper and in which appellant acquiesces so far as the petition for rehearing is concerned. While the language of these claims differs somewhat from the language of claim 13, comparison of them shows clearly that they and 13 are directed to very closely related subject matter. During the last oral argument before us it was incidentally said by counsel for appellant that the allowance of claims 19, 20, and 21 would not necessarily result in another interference being declared with Nordmeyer and Stone. This is not a matter proper to be considered in this ex parte proceeding, but it is clear that if appellant believed he had an invention not disclosed by a prior patent he should have used language in his claims

which would have clearly distinguished it from such patent. *In re Babcock*, 27 C. C. P. A. (Patents) 1097, 110 F.(2d) 665, 519 O. G. 225.

[3] The petition for rehearing having been fully considered is denied, we adhering to the conclusion formerly reached.

U. S. Court of Customs and Patent Appeals

IN RE EWALD

No. 4,418. Decided February 24, 1941

[117 F.(2d) 755]

1. PATENTABILITY—DEFINITION BY STRUCTURE.
   Claims which are for structure must show structural novelty to be patentable.
2. SAME—DEVICE FOR CORING FRUIT.
   One claim for a device for coring fruit *Held* patentable over the prior art cited, but other claims *Held* unpatentable as expressing no invention over the prior art cited and another claim *Held* unpatentable because vague and indefinite.

APPEAL from Patent Office. Modified.

Messrs. Cox and Moore (*Mr. Ballard Moore* and *Mr. Curtis F. Prangley* of counsel) for Ewald.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

There are involved in this appeal from the decision of the Board of Appeals of the United States Patent Office six claims (numbered 14 to 17, inclusive, 19 and 21) embraced in an application for patent for "Improvements in Coring Device." Eighteen claims of the application stand allowed, and are not of concern here.

The invention relates to a device for coring fruit, "specifically," says the brief on behalf of appellant, "to a knife for coring half pears in an automatic fruit treating or processing machine."

Because of different grounds of rejection we quote as illustrative claims 14, 15, 16, and 19:

14. A coring spoon for pears comprising an elongated metal body having its outer wall formed as a portion of a true cylinder and at least one of its longitudinal edges sharpened to provide a substantially continuous cutting edge, the extreme ends of said body being shaped to receive cylindrical bearings, the body and cutting edge between said ends being so shaped as simultaneously to sever the threads, the core proper and the calyx of a half pear upon rotation of the spoon about its bearings.

15. A rotatable coring blade comprising an elongated body having an outer wall curved transversely of its length and substantially coextensive with its length to form a portion of a true cylinder, one of the longitudinal edges of the curved wall being sharpened to form a cutting edge and the cutting edge being flush with the outer periphery of said wall.

16. A rotatable coring spoon for pears having its ends formed to receive cylindrical bearings about whose common axis said spoon is adapted to rotate, said spoon having a substantially continuous longitudinal cutting edge lying substantially in the plane of the axis of rotation of said spoon.

19. A coring spoon for pears comprising an elongated relatively thin body having its opposed ends formed to receive bearings for rotation thereabout, said body substantially coextensive with its length being provided with a cutting edge and said body coextensive with its length and transversely thereof being curved sufficiently to provide the sole rigidity for said spoon and for its cutting edge.

The references cited are: Posey, 1,731,174, October 8, 1929; Spencer et al., 1,769,654, July 1, 1930.

Claims 14, 15, and 19 were rejected by the Examiner as unpatentable over the patent to Posey.

Claim 14 was further rejected as being vague and indefinite.

Claims 16, 17, and 21 were rejected as defining nothing patentable over the patent to Spencer et al., and this ground was applied as a second ground for the rejection of claim 19.

The Board broadly approved all of the grounds stated by the Examiner but did not specifically refer to the Spencer et al. patent in connection with claim 19. It gave no detailed description of the claimed invention, nor of the references. For these we must look to the Examiner's statement, the application, and references.

In describing appellant's device, the Examiner said:

> The subject matter of the appealed claims relates to the specific structure and shape of a coring spoon used in machines for coring half fruit such as pears which have been haived longitudinally. The spoon is shaped such that when it is placed in contact with the longitudinal cut face of the pear and rotated on its longitudinal axis the spoon will simultaneously remove the calyx section, core, stem and threaded portion from the half pear. The spoon is stamped from a sheet metal blank to form a trough-like member having semi-circular transverse sections throughout its length. The coring spoon has four distinct sections, namely end sections by which it is attached to the machine, a semi-cylindrical section which removes the stem and threads from the pear, a spoon shaped section which removes the core proper from the pear and a curved section which removes the calyx of the pear. The cutting edge extends continuously along one side of all the sections except the end sections, and lies in the same plane as the axis of rotation of the device. The cutting edge is also flush with the outer periphery of the wall of the device.

In the view which we take of the case, orderly consideration is best served by passing first upon the rejection of claim 14 on the ground of vagueness and indefiniteness, or, to use the expression of the Board, "as improper in form."

The Examiner pointed out that

> "the recitation concerning the shape of the body of the spoon * * * is not clear."

Referring to the language of the claim reading,

> "* * * the body and cutting edge between said ends being so shaped as simultaneously to sever the threads, the core proper and the calyx of a half pear upon rotation of the spoon about its bearings,"

the Examiner said:

> These lines recite the function of the blade with respect to a half pear. But the relative position of the blade and half pear during operation of the blade is not set forth. The attempt, therefore, of defining the structure of the blade by the result of its operation on a pear is held to be a vague structural recitation.

Appellant's presentation of the case before us is not convincing that there was error in the Board's affirmance upon this point. It is said in the brief that

> "The shape of the body and cutting edge of the spoon is defined in this claim [14] in the same manner and by the same criteria as in a number of the allowed claims * * *."

Assuming this to be true (the allowed claims have not been analyzed by us), we are not at liberty to test appealed claims by those which have been allowed. Other limitations may have been present in the allowed claims which led to their being granted.

Appellant's brief further says:

> Neither of the tribunals below suggested a better way of defining the complex longitudinal shape of the body and cutting edge of applicant's coring spoon. In the absence of some clearly perceived better way of defining this complex shape, a strict attitude ought not be taken in criticism of the applicant's choice of language to define this structure.

We think the authorities cited in the brief of the Solicitor for the Patent Office support his position that "the difficulty of claiming an invention distinctly is no excuse for failure to comply with the statutory requirement." *White* v. *Dunbar*, 119 U. S. 47; *Gen. Electric Co.* v. *Wabash Co.*, 304 U. S. 364. See also *In re Hegan*, 25 C. C. P. A. (Patents) 1182, 97 F.(2d) 86, 497 O. G. 558.

It is appropriate to say that this case does not present a situation in which the appellant seeks to describe his structure by the process of making it, which, in some instances, has been held permissible when the structure obviously could not be defined otherwise. This case is one, so far as claim 14 is concerned, in which it is sought to define structure by the result of its operation.

We think claim 14 was properly rejected upon the ground stated.

We next consider the rejection based upon the patent to Posey, and since claim 14 is deemed rejectable on the ground already stated, we need consider only claims 15 and 19 in this connection.

The Examiner said:

> These claims are so broad as to be met in all material respects by the disclosure of Posey. Posey shows a coring spoon comprising an elongated metal body having its outer wall formed as a portion of a true cylinder and at least one of its longitudinal edges sharpened to provide a substantially continuous cutting edge which is flush with the outer periphery of the wall. The body and cutting edge of the device of Posey are seen to be so sharpened as to simultaneously sever the threads, core and calyx of a half pear upon rotation of the spoon. While it is true the spoon of Posey is rotatable by hand the ends thereof are adapted to be mounted in rotatable bearings it desired.

[1] A reading of the Posey patent discloses that it is for a device designed for use solely in severing or cutting shoots or stalks of growing asparagus, and there is no suggestion that it "shows a coring spoon," as stated by the Examiner, or that it is adapted for use in coring pears or other fruits. It is true that it is used to sever all parts of a growing stalk of asparagus simultaneously, a blade with a cutting edge being thrust into the ground for that purpose, but it does not remove any core or perform any operation such as is performed by the device of appellant. This, we think, must be conceded, but in this case the difference in use between the device of appellant and that of the patent would not of itself create a patentable distinction, and the general rule that introductory phrases of claims, such as "A coring spoon," do not constitute limitations which render the claims patentable when otherwise deficient is applicable here. The claims are for structure and must show structural novelty. We have considered the matter solely from that standpoint, and when the drawings and specification of the application and the patent are examined with regard to the structural features defined in claims 15 and 19, it seems to us that there are such marked differences between them that these claims should not be held "unpatentable over" Posey, and Posey is the only reference cited against claim 15.

One feature of claim 15 is an elongated body having an outer wall curved transversely of its length and *substantially coextensive with its length*. The Posey patent fails to disclose the italicized element of this feature, and we assume that it is a matter of structural importance in appellant's device. There is also a question in our minds as to whether the patent discloses that feature of claim 15, defined by the clause "the cutting edge being flush with the outer periphery of said wall."

With respect to claim 19, it is unnecessary to specify the features which we regard as lacking in Posey because that claim was also rejected on the patent to Spencer et al., along with claims 16, 17, and 21, and this rejection, we think, must be upheld.

Appellant's brief analyzes the Spencer et al. patent in the effort to show that certain features of the claims are not disclosed therein. The contentions briefly are that the patent does not disclose a coring spoon, but only a plurality of substantially flat knife bars arranged in a particular manner; that the knife bar assemblage is

> "not a coring spoon whose ends are 'formed to receive cylindrical bearings about whose common axis said spoon is adapted to rotate,' * * * nor 'formed to receive bearings for rotation thereabout,' * * * nor 'formed to receive spaced bearings for rotation about the axis of said bearings'";

that the cutting edges of the "bar" of the patent referred to by the Examiner, are not anticipatory of the cutting edge of appellant's spoon, as the latter is arranged, and that the "varying radii" feature defined in claim 17 is not met by the patent. Other features are pointed out and discussed.

We have examined all the contentions with care, and it is sufficient to say that we are not convinced that they are sound. The features embraced in the patent, it is true, are not in the same arrangement as features of the application which perform similar functions, but such modifications as appellant made do not seem to us to involve invention.

[2] The decision of the Board is modified, being reversed as to claim 15, and affirmed as to claims 14, 16, 17, 19, and 21.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,481,962, J. W. Irwin, Valve-in-head motor, D. C. Kans. (Wichita), Doc. 1894, *J. W. Irwin* v. *International Harvester Co.* Dismissed, patent held not infringed (notice May 15, 1941).

1,495,570, G. H. Blakeley, Series of I-Beams, filed May 9, 1941, D. C., N. D. W. Va. (Wheeling), Doc. 97–W, *Bethlehem Steel Co.* v. *Weirton Steel Co. et al.*

1,499,024. (See 2,020,599.)

1,548,465, J. P. Henry, Process for reproduction of wood grains; 1,900,030, Von Webern & Hamant, Surface decorating machine; 1,946,483, Casto & Von Webern, Surface decorating method and apparatus, C. C. A., 6th Cir., Doc. 8221, *Oxford Varnish Corp. et al.* v. *General Motors Corp. et al.* Claims 1, 2, and 5 of 1,548,465, claims 7 and 8 of 1,900,030, and claims 1 and 4 of 1,946,483 held invalid May 16, 1941.

1,589,845, J. C. Faeth, Electric floor lamp, filed May 13, 1941, D. C., S. D. N. Y., Doc. 14/186, *Standard Screw Co.* v. *Consolidated Edison Co. of New York et al.*

1,708,443. (See 1,883,600.)

1,724,542, J. Zabel, Fur brushing and ironing machine; 1,776,114, S. Friedman, Fur treating method and apparatus, filed May 17, 1941, D. C., E. D. N. Y., Doc. 2018, *Reliable Machine Works, Inc.*, v. *New Lamb Fur Dressing & Dyeing Corp.*

1,753,458. (See Re. 17,852.)

1,767,018, A. L. Segelhorst, Swinging cutter cutting off tool, D. C., S. D. Calif. (Los Angeles), Doc. 2 Y, *I. J. McCullough* v. *Baash-Ross Tool Co. et al.* Dismissed May 6, 1941.

1,769,294. (See Re. 18,913.)

1,776,114. (See 1,724,542.)

1,781,834, L. F. D'Autremont, Stencil sheet, D. C., S. D. N. Y., Doc. E 82/182, *Profilm Corp.* v. *Silk Screen Stencil Paper.* Judgment May 13, 1941.

1,816,714, A. Adler, Lingerie pad, filed May 8, 1941, D. C., E. D. Pa., Doc. 1537, *M. Adler's Sons* v. *Apex Florists Supply Co.*

1,854,660, E. G. Martin, Tile roof construction, D. C., S. D. Calif. (Los Angeles), Doc. E 1397–J, *T. D. Corcoran et al.* v. *Riness Tile Tie.* Decree for defendant holding non-infringement May 9, 1941.

1,863,753, Quornik & Salvati, Floor construction, D. C., S. D. N. Y., Doc. 4/331, *Easy Drive Garage Corp.* v. *Rockefeller Center, Inc., et al.* Consent order of discontinuance (notice May 13, 1941).

1,883,600, E. G. Daniels, Combined casket and burial vault; 1,708,443, B. M. Fifer, Burial basket, filed May 14, 1941, D. C., S. D. Ind. (Evansville), Doc. 90, *B. M. Fifer* v. *Southern Indiana Vault Co.*

1,899,777, N. M. Stanley, Lens, filed May 17, 1941, D. C., W. D. Mo. (Kansas City), Doc. 879, *The Univis Corp. et al.* v. *C. C. Caldwell Optical Co.*

1,900,030. (See 1,548,465.)

1,934,398, A. Benowitz, Manufacture of yarn; 2,115,967, M. J. Schifrin, Composite fabric. D. C., S. D. N. Y., Doc. 5/496, *M. J. Schifrin et al.* v. *Marvel Mills, Inc.* Judgment (notice May 12, 1941).

1,946,483. (See 1,548,465.)

1,948,510, Corcoran & Wolff, Tile tying runner, D. C., S. D. Calif. (Los Angeles), Doc. E 1396–BH, *T. D. Corcoran et al.* v. *A. H. Riness et al.* Dismissed without prejudice May 6, 1941.

1,950,937, F. L. Brown, Life preserver jacket, D. C., N. D. Calif. (San Francisco), Doc. 21727–L, *The American Pad & Textile Co.* v. *B. M. Wilber et al.* Patent held valid and infringed, injunction May 9, 1941.

2,005,069, N. M. Bernier, Acoustical plaster or tile and method of making same, D. C. Mass., Doc. 5, *California Stucco Products Co. of New England* v. *National Gypsum Co.* Dismissed by agreement with prejudice Mar. 27, 1941.

2,020,599, Barrett & Robichaux, Drilling apparatus; 1,499,024, J. P. Miller, Device for extracting cores from wells, D. C., S. D. Tex. (Houston), Doc. 354, *G. J. Barrett et al.* v. *Hunt Tool Co.* Dismissed May 12, 1941.

2,023,809, J. K. Heller, Gas mixing apparatus, filed May 15, 1941, D. C., N. D. Calif., S. Div., Doc. —, *Gasair Corp.* v. *Ransome Co.*

2,114,266, L. Bodor, Combined flash light and key ring, filed May 8, 1941, D. C., S. D. N. Y., Doc. 14/148, *Apex Products Corp.* v. *Weston International Corp.*

2,115,967, M. J. Schifrin, Composite fabric, D. C., S. D. N. Y., Doc. 5/156, *M. J. Schifrin et al.* v. *Bernado Shapiro, Inc.* Judgment (notice May 12, 1941).

2,115,967. (See 1,934,398.)

2,134,656, M. Breth, Cloth unwinder, D. C., S. D. N. Y., Doc. 3/454, *Breth System* v. *Cutting Room Appliance Corp.* Consent judgment (notice May 16, 1941).

2,148,997 (*a*), H. P. Phillips, Piston ring, D. C., W. D. Mich. (Grand Rapids), Doc. 63, *Hastings Mfg. Co.* v. *Automotive Parts Corp. et al.* Doc. 82, *Hastings Mfg. Co.* v. *Reed & Wiley Co. et al.* Dismissed May 13, 1941, in both suits.

2,148,997, 2,175,409, H. P. Phillips, Piston, D. C., W. D. Mich. (Grand Rapids), Doc. 65, *Hastings Mfg. Co.* v. *Sealed Power Corp.* Dismissed May 13, 1941.

2,157,756. (See Re. 21,615.)

2,175,409. (See 2,148,997.)

2,187,962, H. B. Barrett, Combination precision grinder and caliper, filed May 8, 1941, D. C., E. D. Mo. (St. Louis), Doc. 905, *H. B. Barrett et al.* v. *Koochook Co., Inc.*

Re. 17,852 (of 1,753,458), O. C. Willis, Dust bag for suction cleaning apparatus, D. C., N. D. Ohio, E. Div., Doc. 19768, *The P. A. Geier Co.* v. *Electric Vacuum Cleaner Co., Inc.* Decree on mandate dismissing bill and dissolving injunction May 9, 1941.

Re. 18,913 (of 1,769,294), Johnson & Johnson, Chair back or rest, D. C., E. D. Wis. (Milwaukee), Doc. 4939, *Johnson Chair Co.* v. *Milwaukee Chair Co.* Decree for defendant, dismissing bill for want of equity May 15, 1941.

Re. 18,944, W. E. Beazley, Power operated lawn mower, D. C., E. D. Wis. (Milwaukee), Doc. 45, *Beazley Power Mower Co., Inc.*, v. *L. H. Pearce et al.* Claims 2 and 4 held valid and not infringed; bill dismissed May 14, 1941.

Re. 19,571, Schmidt & Kramer, Method of manufacturing garments, D. C., N. D. Ohio, E. Div., Doc. 20361, *Prodexto Corp.* v. *Moyer Mfg. Co.* Consent order dismissing bill May 12, 1941.

Re. 19,694, W. Ernst, Hydraulic motor control means, filed May 10, 1941, D. C., W. D. N. Y., Doc. 676, *The Hydraulic Press Mfg. Co.* v. *E. W. Bliss Co. et al.*

Re. 21,030, E. H. Greibach, Bone conduction hearing device, D. C., N. D. Ohio, E. Div., Doc. 20730, *E. H. Greibach et al.* v. *Paraphone Hearing Aid, Inc.* Consent decree holding claims 1 to 10 inclusive, 15, 23, 24, 30, 31, 33, and 41 valid and infringed, injunction May 12, 1941.

Re. 21,615 (of 2,157,756), Irwin & Berg, Irrigating apparatus, filed May 10, 1941, D. C. Minn., 4th Div., Doc. 507, *Associated Laboratories* v. *G. A. Remley et al.*

Des. 78,499. (See Des. 78,500.)

Des. 78,500, R. L. Barton, Combined wash board and laundry tray; Des. 78,499, same, Combination sink and laundry tray, D. C., S. D. Calif. (Los Angeles), Doc. 236–Y, *R. L. Barton et al.* v. *Crane Co. et al.* Dismissed for want of prosecution May 8, 1941.

Des. 125,399, M. Haon, Dress, filed May 7, 1941, D. C., S. D. N. Y., Doc. 14/135, *Sheila-Lynn, Inc.*, v. *Rudolph-Marged, Inc.*

Des. 125,535, S. Ruchman, Dress, D. C., S. D. N. Y., Doc. 13/223, *Apex Dress Co., Inc.*, v. *Fromberg Frocks, Inc.* Consent order of discontinuance (notice May 7, 1941).

Des. 126,003, J. Elkins, Dress, filed May 14, 1941, D. C., S. D. N. Y., Doc. 14/191, *Sam Steinberg & Co. Inc.* v. *Security Dress Co.*

Des. 126,280, B. Recht, Dress ensemble, filed May 8, 1941, D. C., S. D. N. Y., Doc. 14/160, *Dorsa Dresses, Inc.*, v. *June Modes, Inc.*

Des. 126,494, S. Faden, Dress, filed May 12, 1941, D. C., S. D. N. Y., Doc. 14/179, *Weinberg, Weinberg & Alpern* v. *Perfect Dress & Costume Co.*

TRADE-MARKS

OFFICIAL GAZETTE, JULY 15, 1941

[VOL. 528. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 442,586. BEST & CO. INC., New York, N. Y. Filed Apr. 15, 1941.

COUNTRY PLAID

No claim is made to the word "Plaid" apart from the mark.

FOR WOMEN'S, MISSES', AND CHILDREN'S POCKETBOOKS AND HANDBAGS.

Claims use since Sept. 21, 1938.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 438,999. SHULTON, INC., New York, N. Y. Filed Dec. 18, 1940.



Applicant disclaims the word "American" apart from the mark.

FOR SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAMS, SHAVING STICKS, SHAVING POWDER, OUTFIT PACKAGES CONTAINING SOAP AND TOWEL; SOAP POWDER FOR BATHING, WASHING AND CLEANING PURPOSES; LAUNDRY SOAPS; SOAP FLAKES, HAND SOAPS; TOILET SOAPS, SOAP PASTES, WASHING TABLETS AND SHAMPOO SOAPS IN CAKE OR BAR FORM.

Claims use since Sept. 4, 1940.

Ser. No. 443,083. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed Apr. 29, 1941.

SAN-SO

FOR SOAP—NAMELY, GERMICIDAL SOAP.

Claims use since August, 1937.

Ser. No. 443,212. CHAS. W. YOUNG & CO., Philadelphia, Pa. Filed May 2, 1941.



The word "Soap" is disclaimed apart from the mark.

FOR SOAP.

Claims use since Mar. 31, 1905.

Ser. No. 443,294. GUY KING, Chattanooga, Tenn. Filed May 6, 1941.

Tak-Han

FOR LIQUID PRODUCT WHICH IS USED BY ATHLETES ON THEIR HANDS TO ENABLE THEM TO GET A BETTER GRIP ON GOLF CLUBS, BOWLING BALLS, ETC.

Claims use since Apr. 1, 1941.

CLASS 5

ADHESIVES

Ser. No. 444,275. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed June 6, 1941.

AMYLEX

FOR TEXTILE SIZE.

Claims use since Mar. 28, 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 433,766. CH. TAKEDA & Co., LTD., Osaka, Japan. Filed July 8, 1940.

TAKEDA

FOR PREPARATIONS FOR BERI-BERI, INFLUENZA, PNEUMONIA, SEPTICEMA, MALARIA, AND OTHER FEBRILE DISEASES; ERYSIPELAS, PUERPERAL FEVER, GONORRHEA AND OTHER PURULENT DISEASES; SYPHILIS AND OTHER SPIROCHETOGENOUS DISEASES; NERVOUS INSOMNIA, HEADACHE AND VARIOUS FORMS OF ALGESIA; HEMOSTATIC; DEODORANT; CARDIOTONIC; DIURETIC; AND SKIN DISEASES.
Claims use since August, 1938.

Ser. No. 438,359. THE SPECIAL FORMULA CORPORATION, East Orange, N. J. Filed Nov. 29, 1940.

Beauty-Plus

Applicant disclaims the term "Beauty" apart from the mark.
FOR CLEANSING CREAM AND DRY SKIN CLEANSER.
Claims use since Nov. 8, 1940.

Ser. No. 441,593. MARTIN T. SCANLON, doing business as Keystone Products Company, Pittsburgh, Pa. Filed Mar. 15, 1941.

Keystone

BLU-BLEACH

No claim is made to the term "Blu-Bleach" apart from the association shown.
FOR PREPARED BLEACHING AND WATER SOFTENING PREPARATION HAVING INCIDENTAL CLEANING PROPERTIES.
Claims use since June 1, 1938.

Ser. No. 443,147. NOA WACHSMANN, Flushing, Long Island, N. Y. Filed Apr. 30, 1941.

DERNAFTAN

FOR OINTMENT FOR EXTERNAL USE FOR THE TREATMENT OF INFLAMMATORY SKIN DISEASES, SUCH AS BURNS, ERYSIPELAS, ECZEMA, DERMATITIS, SCABIES, ULCERS, PSORIASIS, ETC.
Claims use since Apr. 4, 1941.

Ser. No. 443,737. THE TANNADE COMPANY, Chicago, Ill. Filed May 20, 1941.

GAMBADE

FOR TANNING EXTRACT.
Claims use since Aug. 10, 1940.

Ser. No. 443,753. DESTRUXOL CORPORATION, LTD., Pasadena, Calif. Filed May 21, 1941.

KOPPERSOL

FOR FUNGICIDE FOR THE CONTROL OF MILDEW, BLIGHT, RUST, AND OTHER FUNGUS DISEASES.
Claims use since Mar. 18, 1935.

Ser. No. 443,754. DESTRUXOL CORPORATION, LTD., Pasadena, Calif. Filed May 21, 1941.

LAWN-A-GEN

FOR CHEMICAL SOLUTION FOR TREATING LAWN SOIL.
Claims use since Apr. 10, 1938.

Ser. No. 444,080. H V LABORATORIES, INC., St. Louis, Mo. Filed May 31, 1941.

H.V.222

FOR PREPARATION FOR TREATMENT OF ATHLETE'S FOOT AND OTHER SKIN DISEASES.
Claims use since June 1, 1929.

Ser. No. 444,118. L. H. BOOTH, doing business as Booth Pharmaceutical Co., Los Angeles, Calif. Filed June 2, 1941.

CASCAPERLS

FOR CASCARA SAGRADA IN A GELATIN CAPSULE FORM FOR THE TREATMENT OF CONSTIPATION.
Claims use since Mar. 15, 1941.

Ser. No. 444,213. CARHOFF COMPANY, Cleveland Heights, Ohio. Filed June 5, 1941.

WELDERS PAL

FOR LIQUID PREPARATION COMMONLY KNOWN AS EYE DROPS.
Claims use since May, 1935.

Ser. No. 444,265. LENTHERIC, INCORPORATED, New York, N. Y. Filed June 6, 1941.

Birds of a Feather

FOR PERFUMES AND COSMETIC CREAMS.
Claims use since May 27, 1941.

Ser. No. 444,266. LENTHERIC, INCORPORATED, New York, N. Y. Filed June 6, 1941.

Hell-bent

FOR PERFUMES AND COSMETIC CREAMS.
Claims use since May 27, 1941.

Ser. No. 444,267. LENTHERIC, INCORPORATED, New York, N. Y. Filed June 6, 1941.

Pink Elephant

FOR PERFUMES AND COSMETIC CREAMS.
Claims use since May 27, 1941.

CLASS 10

FERTILIZERS

Ser. No. 442,879. SMITH-DOUGLASS COMPANY, INC., Norfolk, Va. Filed Apr. 23, 1941.

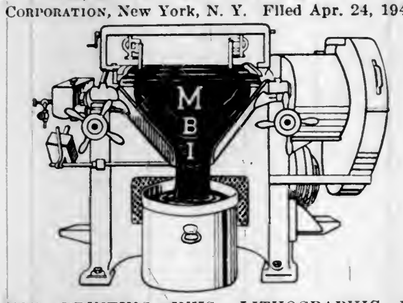
Vitag Food

The word "Food" is disclaimed apart from the mark. The drawing is lined for red and green.
FOR VITAMIN AND HORMONE TREATED PLANT FOOD.
Claims use since Mar. 25, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 442,912. MOSLER AND BRANDMARK PRINTING INK CORPORATION, New York, N. Y. Filed Apr. 24, 1941.



FOR PRINTING INKS, LITHOGRAPHIC INKS, WATER COLOR INKS, AND SILK INKS.
Claims use since Apr. 1, 1941.

Ser. No. 443,563. GENERAL PRINTING INK CORPORATION, New York, N. Y. Filed May 14, 1941.

YAR-DER

FOR PRINTING INKS.
Claims use since Mar. 10, 1941.

Ser. No. 443,567. INTERCHEMICAL CORPORATION, New York, N. Y. Filed May 14, 1941.

Vaposet

FOR PRINTING INKS.
Claims use since Apr. 7, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 432,166. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed May 20, 1940.

SIFO

FOR ROOF AND SIDE WALL COVERING MATERIALS — NAMELY, ASPHALT ROOFING, SIDING, SHEATHING PAPER, ASPHALT SHINGLES, BUILDING PAPERS.
Claims use since 1916.

Ser. No. 432,268. NATIONAL GYPSUM COMPANY, Buffalo, N. Y. Filed May 23, 1940.

Gold Bond

FOR METAL LATH, CORNER BEAD, EXPANDED METAL CORNER BEAD, METALLIC PICTURE MOULD, BASE SCREED, BASE BEAD, STRUCTURAL CHANNELS, METAL ARCHES, METAL SASH, METAL CASINGS, EXPANSION CASINGS, METALLIC BUILDING STUDS, METALLIC PARTITION BASES, METALLIC CEILING RUNNERS, METAL FLOOR RUNNERS, CORRUGATED WALL TIES, COAL DOORS, STRUCTURAL METAL RODS, AND METAL PARTITION WALL ASSEMBLIES.
Claims use since Mar. 16, 1934.

Ser. No. 438,085. PTHINON BAR CO., New York, N. Y. Filed Nov. 20, 1940.



No claim is made to the words "Ptena" and "Bar" apart from the mark.
FOR ANTI-LANDING DEVICE FOR PIGEONS AND OTHER BIRDS SECURED TO ROOFS, LEDGES, ETC., TO PREVENT BIRDS FROM LANDING ON THE SURFACE OF THE OBJECT TO WHICH THE DEVICE HAS BEEN SECURED.
Claims use since Oct. 30, 1940.

Ser. No. 442,559. E. P. LYNCH, INC., Providence, R. I. Filed Apr. 14, 1941.

LYTYTE

FOR CEMENT HARDENER IN LIQUID FORM TO BE APPLIED TO CEMENT AFTER CEMENT SETS.
Claims use since Apr. 7, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 436,786. AMERICAN MACHINE & METALS, INC., New York, N. Y. Filed Oct. 10, 1940.

SAFETY-FILL

FOR NOZZLES FOR GASOLINE HOSE OR GASOLINE PUMPS.
Claims use since July 10, 1940.

Ser. No. 437,164. GUSTAVE A. CHARLSTON, Portland, Oreg. Filed Oct. 22, 1940.

GUARDEX

FOR METAL SAFETY ASSEMBLY FRAME FOR ELECTRIC GLASS COFFEE MAKERS.
Claims use since Oct. 1, 1940.

Ser. No. 442,296. ANCHOR SLIDE FASTENER CORP., New York, N. Y. Filed Apr. 5, 1941.

ANCHOR

FOR SLIDE FASTENERS.
Claims use since May 1, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 442,381. CENTRAL PATTERN AND FOUNDRY COMPANY, Chicago, Ill. Filed Apr. 7, 1941.

CENTRAL PATTERN & FOUNDRY CO. CHICAGO

The word "Chicago" is disclaimed apart from the mark.
FOR ALUMINUM, BRASS, AND BRONZE METAL CASTINGS.
Claims use since Jan. 2, 1932.

Ser. No. 443,233. LANCASTER STEEL CO., INC., New York, N. Y. Filed May 3, 1941.

FLEXALOY

FOR ALLOY STEEL—NAMELY, PLATES, SHEETS, BARS, RODS, AND FORGINGS.
Claims use since Sept. 1, 1929.

CLASS 15

OILS AND GREASES

Ser. No. 442,628. HICKOK OIL CORPORATION, Toledo, Ohio. Filed Apr. 16, 1941.

SPEED EX

FOR AUTOMOBILE FILLING STATION SUPPLIES OF LIQUID AND SEMI-LIQUID, LARGELY PETROLEUM AND HYDROCARBONS AND COMPOUNDS THEREFROM, ADAPTED AS FUEL AND LUBRICATING OILS AND GREASES.
Claims use since Aug. 1, 1937.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 440,199. HYGRADE SYLVANIA CORPORATION, Salem, Mass. Filed Feb. 1, 1941.

MIRACOAT

FOR ENAMEL COATINGS FOR ELECTRIC LAMP REFLECTORS.
Claims use since Dec. 15, 1940.

Ser. No. 442,981. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Apr. 25, 1941.

KEM-TONE

Applicant is the owner of Reg. #275,775 for the mark "Kem" and of Reg. #286,574 for the mark "Kem-Spar."
FOR PAINTS (DRY, PASTE, AND READY MIXED).
Claims use since Mar. 26, 1941.

Ser. No. 443,198. JOHN W. MASURY & SON, New York, N. Y. Filed May 2, 1941.

THE COLOR GUARD

No claim is made to the word "Color" apart from the mark.
FOR READY-MIXED AND PASTE PAINTS, VARNISHES, PAINT ENAMELS, AND STAINS.
Claims use since January, 1940.

Ser. No. 443,199. JOHN W. MASURY & SON, New York, N. Y. Filed May 2, 1941.



FOR READY-MIXED AND PASTE PAINTS, VARNISHES, PAINT ENAMELS, AND STAINS.
Claims use since May, 1935.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 418,139. DIFFERENTIAL STEEL CAR COMPANY, Findlay, Ohio. Filed Apr. 12, 1939,

AXLESS

FOR ROAD AND RAILWAY (MOTOR) AND TRAILER CARS AND TRUCKS AND STRUCTURAL PARTS THEREOF.
Claims use since Dec. 4, 1934.

Ser. No. 441,072. THE ANDERSON COMPANY, Gary, Ind. Filed Feb. 28, 1941.

CURVE-FLEX

The word "Curve" is disclaimed apart from the mark.
FOR WINDSHIELD WIPER BLADES AND PARTS THEREOF.
Claims use since Feb. 3, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 442,116. DYNAMATIC CORPORATION, Kenosha, Wis. Filed Mar. 31, 1941.

DYNAVARIO

FOR ELECTRICAL GOVERNORS FOR MOTORS.
Claims use since Mar. 26, 1941.

Ser. No. 442,425. OPERADIO MANUFACTURING CO., St. Charles, Ill. Filed Apr. 9, 1941.

FLEXIFONE

FOR INTERCOMMUNICATING SYSTEMS, THE PARTICULAR DESCRIPTION OF GOODS BEING A WIRE TELEPHONE INTERCOMMUNICATING SYSTEM USING LOUD SPEAKERS FOR DELIVERY AND MICROPHONES FOR INTAKE.
Claims use since Feb. 15, 1941.

Ser. No. 442,557. JIFFY JUICING MACHINES, INC., Seattle, Wash. Filed Apr. 14, 1941.

"ZIPPY JUICER"

The word "Juicer" is disclaimed apart from the mark.
FOR JUICE-EXTRACTING MACHINE ELECTRIC MOTOR DRIVEN.
Claims use since May 4, 1939.

Ser. No. 443,317. ACRO ELECTRIC COMPANY, Cleveland, Ohio. Filed May 7, 1941.

ACRO

FOR SNAP ACTING SWITCHES.
Claims use since Nov. 1, 1940.

Ser. No. 443,657. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed May 17, 1941.

GYROSOLVER

FOR MOTOR-DRIVEN DEVICE EMPLOYED TO SHAKE RECEPTACLES AND THEIR CONTENTS.
Claims use since May 10, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 432,455. SPALDING SALES CORPORATION, Chicopee, Mass. Filed May 28, 1940. Under 10-year proviso.



FOR MISSILES FOR RACKET GAMES, MISSILE RACKETS AND ACCESSORIES THEREFOR, RACKET COVERS AND CASES, GAME AND PLAY COURT POSTS AND NETS AND ACCESSORIES THEREFOR, GAME AND PLAY COURT MARKERS AND TAPES AND ACCESSORIES THEREFOR, GUY ROPES AND PEGS, BALLS FOR ATHLETIC GAMES, UMPIRE CHAIRS, UMPIRE'S INDICATORS, ATHLETIC SUPPORTERS, ANKLE SUPPORTERS, GOLF BALLS, AND GOLF CLUBS.
Claims use since 1891.

Ser. No. 438,705. JOSEPH RITTENHOUSE, Wildwood, N. J. Filed Dec. 10, 1940.

TRAILER TRAVELS

FOR BOARD GAMES PLAYED WITH MOVABLE PIECES AND A SPINNER OR DICE.
Claims use since Oct. 31, 1940.

Ser. No. 443,650. BURR & JOHNSON, Washington, D. C. Filed May 17, 1941.

PAYCHEK

FOR AMUSEMENT GAME COMPRISING A BOARD GAME, PLAYED WITH MOVABLE PIECES AND CARDS.
Claims use since Mar. 27, 1941.

Ser. No. 443,783. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed May 21, 1941.

TOP-FLITE

FOR GOLF BALLS, GOLF GLOVES, TENNIS RACKETS, BADMINTON RACKETS, SHUTTLECOCKS, VOLLEY BALLS, BASKETBALLS, AND SOCCER BALLS.
Claims use since July, 1926.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 431,450. HYDRO TRANSMISSION CORPORATION, Hamilton, Ohio. Filed May 1, 1940.

HYDROMOTIVE

FOR LOCOMOTIVES AND SWITCHING ENGINES POWERED BY INTERNAL COMBUSTION ENGINES.
Claims use since Sept. 12, 1939.

Ser. No. 438,214. POTTER & JOHNSTON MACHINE COMPANY, Pawtucket, R. I. Filed Nov. 25, 1940.

PJ

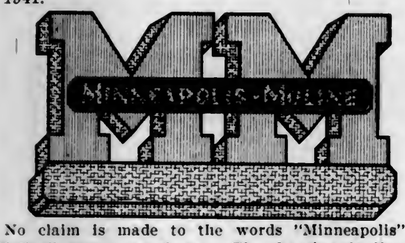
FOR METAL WORKING MACHINE TOOLS PARTICULARLY AUTOMATIC CHUCKING AND TURNING MACHINES AND PARTS THEREOF INCLUDING CUTTERS, REAMERS, AND BORERS AND THE LIKE, AND TOOL HOLDERS THEREFOR.
Claims use since Feb. 15, 1934.

Ser. No. 439,374. WAGNER CONCRETE EQUIPMENT COMPANY, Portland, Oreg. Filed Jan. 2, 1941.

Mixermobile

FOR PORTABLE CONCRETE MIXERS.
Claims use since Feb. 10, 1937.

Ser. No. 441,517. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn. Filed Mar. 13, 1941.



No claim is made to the words "Minneapolis" and "Moline" except as shown. The drawing is lined for yellow and red.
FOR BEET DRILLS, BEET LIFTERS, COMBINES, CORN PICKERS, CORN SHELLERS, CULTIVATORS (WALKING, RIDING, AND TRACTOR), FURROW DAMMING DEVICES, GRAIN DRILLS, HAMMER MILLS, HARROWS (DISC, PEG TOOTH, AND SPRING TOOTH), HAY LOADERS, HAY RAKES, LISTERS, MOWERS, PLANTERS (CORN AND COTTON), PLOWS (DISC GANG, SULKY GANG, WHEATLAND, AND TWO-WAY), TRACTOR TOOL CARRIERS, MANURE SPREADERS, THRESHERS, WINDROWERS, INTERNAL COMBUSTION ENGINES, AND TRACTORS.
Claims use since April, 1936.

Ser. No. 441,568. THE DEMING COMPANY, Salem, Ohio. Filed Mar. 15, 1941.

TURBO-FLO

FOR SHALLOW WELL PUMPS FOR HOUSEHOLD AND INDUSTRIAL USE AND HOUSEHOLD WATER SYSTEMS.
Claims use since Oct. 1, 1939.

Ser. No. 442,492. LOUIS A. KOCH, doing business as Koch Manufacturing Company, Louisville, Ky. Filed Apr. 11, 1941.

TORPEDO

FOR AUTOMOBILE EXHAUST PIPE DEFLECTORS.
Claims use since Mar. 6, 1940.

Ser. No. 442,683. LOUIS L. JUDGE, doing business as Awning Hardware Co., Baltimore, Md. Filed Apr. 18, 1941.

SUNSHINE SPAREJAC

No claim is made to the word "Sparejac" apart from the mark.
FOR AUTOMOBILE TIRE JACKS.
Claims use since July 5, 1927.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 442,356. FRASER PRODUCTS CO., Detroit, Mich. Filed Apr. 7, 1941.

3-IN-1

FOR REVERSIBLE IRONING BOARD COVERS.
Claims use since Apr. 1, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 435,991. WASHINGTON INSTITUTE OF TECHNOLOGY, INC., Washington, D. C. Filed Sept. 14, 1940.

SONDE-TRACK

The word "Sonde" is disclaimed apart from the mark.
FOR METEOROLOGICAL APPARATUS FOR MEASURING AND RECORDING METEOROLOGICAL CONDITIONS OF THE ATMOSPHERE, SUCH AS TEMPERATURE, PRESSURE, HUMIDITY, WIND VELOCITY, WIND DIRECTION, ETC.
Claims use since Aug. 23, 1940.

Ser. No. 441,121. BAILEY METER COMPANY, Cleveland, Ohio. Filed Mar. 1, 1941.

TELETRON

FOR MEASURING SYSTEMS AND APPARATUS FOR QUANTITIES, CONDITIONS OR THE LIKE INCLUDING, CONTINUOUSLY BALANCED SLIDE-BACK ELECTRONIC VOLTMETERS, ELECTRIC VOLTAGE MEASURING DEVICES, VOLTAGE RECORDERS, ELECTRICAL FAULT ANTICIPATING AND DETECTING SYSTEMS, RADIO RECEIVER SIGNAL MEASURING APPARATUS, AUTOMATIC VOLUME CONTROL VOLTAGE RECORDERS, AUTOMATIC GAIN CONTROL VOLTAGE RECORDERS, SMOKE-DENSITY RECORDERS, LIGHT TRANSMISSION MEASURING APPARATUS, AND CHARTS AND ACCESSORIES THEREFOR.
Claims use since Feb. 21, 1941.

Ser. No. 442,365. NUTILITIES, INC., New York, N. Y. Filed Apr. 7, 1941.

NU-TILITY

FOR CALCULATORS.
Claims use since Mar. 3, 1941.

Ser. No. 442,493. MERCURY BATTERY CHARGER & TESTER CORP., Kansas City, Mo., assignor to The Mercury Corporation. Filed Apr. 11, 1941.

THE MERCO Minute Man

FOR COMBINED BATTERY CHARGING AND TESTING APPARATUS.
Claims use since Mar. 5, 1941.

Ser. No. 442,734. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Apr. 18, 1941.

Talkomatic

FOR FILMS CARRYING ASSOCIATED SOUND RECORDS AND PICTURES FOR PROJECTION.
Claims use since Feb. 25, 1941.

Ser. No. 443,417. INTERNATIONAL INDUSTRIES, INC., Ann Arbor, Mich. Filed May 9, 1941.

argus

FOR TELESCOPES AND BINOCULARS.
Claims use since Dec. 16, 1939.

Ser. No. 443,508. INTERNATIONAL INDUSTRIES, INC., Ann Arbor, Mich. Filed May 12, 1941.

argus

FOR CAMERAS, ENLARGERS FOR MAKING ENLARGED PRINTS FROM PHOTOGRAPHIC FILMS, PROJECTORS FOR PROJECTING PHOTOGRAPHIC FILM, PROJECTORS AND PRINTERS A UNITARY INSTRUMENT FOR PROJECTING, ENLARGING AND PRINTING PHOTOGRAPHIC FILM, PROJECTOR SLIDE BINDING EQUIPMENT WHICH IS EQUIPMENT FOR BINDING PHOTOGRAPHIC FILM IN SLIDES FOR PROJECTION OR VIEWING PURPOSES, LENS FILTERS, AUXILIARY LENSES, MICROSCOPE ADAPTERS, CABLE RELEASES WHICH IS FLEXIBLE WIRE CABLE FOR THE PURPOSE OF OPENING AND CLOSING SHUTTERS USED IN CONNECTION WITH CAMERAS, CAMERA CASES, PROJECTION SCREENS, PROJECTION SLIDE CASES, FLASH BULB APPLIANCES, EXPOSURE METERS, PHOTOGRAPHIC PRINTING MACHINES, LIGHT SENSITIZED PHOTOGRAPHIC PAPER, APPARATUS FOR CONTAINING AND USING PHOTOGRAPHIC DEVELOPING AND FINISHING SOLUTIONS, AND PHOTOGRAPHIC EQUIPMENT, MORE SPECIFICALLY PHOTOGRAPHIC COPYING STANDS, PHOTOGRAPHIC MICROATTACHMENTS USED FOR SECURING MAXIMUM IMAGE SIZES OF SMALL OBJECTS ON PHOTOGRAPHIC FILM, FRAMING EASELS, PHOTOGRAPHIC DEVELOPING TANKS, TRAYS, CONTAINERS, AND TELESCOPES AND BINOCULARS.

Claims use since Dec. 16, 1939, on telescopes and binoculars; since Oct. 24, 1935, on remaining goods.

Ser. No. 443,700. GEORGE J. PAL, Hollywood, Calif. Filed May 19, 1941.

Puppetoon

FOR MOTION PICTURE FILMS, SOUND FILMS, COMBINED SOUND AND MOTION PICTURE FILMS, AND MOTION PICTURE FILMS FOR USE IN CONNECTION WITH SYNCHRONIZING APPARATUS FOR REPRODUCING COORDINATE LIGHT AND SOUND EFFECTS.

Claims use since Mar. 15, 1938.

Ser. No. 443,734. SCHNEBBE FIRE PROTECTION ENGINEERING CORPORATION, New York, N. Y. Filed May 20, 1941.

CARD-O-MAT

FOR VENDING MACHINES.

Claims use since Apr. 25, 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 434,876. GEORG JENSEN INC., New York, N. Y. Filed Aug. 10, 1940.

GJ

FOR FLATWARE FOR TABLE USE, HOLLOWWARE FOR TABLE AND DECORATIVE USES, TABLEWARE—NAMELY, TRAYS, COASTERS, PLATES, PLACE-CARD HOLDERS, TEA STRAINERS, NAPKIN RINGS AND CLIPS, BOTTLE OPENERS; TOILETWARE—NAMELY, HAIR BRUSHES, MIRRORS, COMBS FOR PERSONAL WEAR AND DRESSING, MANICURING PIECES, PERFUMERY BOTTLES, JARS, COMPACTS, VANITY CASES, POWDER AND JEWELRY BOXES; COCKTAIL SHAKERS; WINE COOLERS AND ICE BUCKETS; CANDLESTICKS, CANDELABRA, CHANDELIERS; DESK ACCESSORIES—NAMELY, PAPER CUTTERS OR KNIVES, LETTER OPENERS, BOOK MARKS AND CLIPS, MAGNIFYING GLASSES; IDENTIFICATION TAGS; KEY RINGS; POCKET KNIVES; ASH TRAYS; CIGARETTE BOXES AND CASES; SPURS AND THIMBLES, AND JEWELRY, NOT INCLUDING WATCHES, FOR PERSONAL WEAR AND ADORNMENT, ALL MADE UP OF, OR PLATED WITH, OR MOUNTED IN SETTINGS OF SILVER, GOLD, PLATINUM AND OTHER PRECIOUS METALS.

Claims use since 1926.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 444,242. SUPERIOR SLEEPRITE CORPORATION, Chicago, Ill. Filed June 5, 1941.

VITARITE

FOR TABLES, CHAIRS, DRESSERS, CHESTS, NIGHT TABLES, BEDROOM FURNITURE, AND DESKS.

Claims use since April, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 440,760. WALTER SPIEGEL, New York, N. Y. Filed Feb. 18, 1941.

RADITROLA

FOR RADIO-PHONOGRAPH COMBINATIONS, ELECTRICAL PHONOGRAPHS AND RECORD PLAYERS.

Claims use since Apr. 11, 1940.

Ser. No. 441,924. RECOTON CORPORATION, New York, N. Y. Filed Mar. 25, 1941.

RECOTON PHONEEDLES

The representation of the phonograph needle is disclaimed.

FOR PHONOGRAPH NEEDLES.

Claims use since Mar. 1, 1941.

Ser. No. 442,714. MARIO MACCAFERRI, New York, N. Y. Filed Apr. 18, 1941.

"FUTURITY"

FOR REEDS AND MOUTHPIECES FOR MUSICAL INSTRUMENTS, AND WOODWIND MUSICAL INSTRUMENTS AND ACCESSORIES.

Claims use since Mar. 28, 1941.

Ser. No. 443,409. EPIPHONE, INC., New York, N. Y. Filed May 9, 1941.

FOR STRINGED MUSICAL INSTRUMENTS—NAMELY, GUITARS, MANDOLINS, BANJOS, STRING BASSES, INCLUDING PARTS THEREOF AND ACCESSORIES THERETO.

Claims use since Apr. 15, 1939.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 434,707. MORRIS HOWELL ARMOR, doing business as David Howell, Van Nuys, Calif. Filed Aug. 6, 1940.

DAVID HOWELL'S STAR SHOTS

FOR ADVERTISING MATERIAL SOLD AS SUCH—NAMELY, ADVERTISING CARDS, ADVERTISING PANELS, ADVERTISING POSTERS, ADVERTISING SIGNS; PHOTOGRAPHIC PRINTS AND SCRIPTS FOR A SERIES OF COMMERCIAL RADIO BROADCASTS SOLD AS A PUBLICATION IN TRADE.

Claims use since Nov. 1, 1937.

Ser. No. 440,640. JEANNETTE J. BENAS, doing business as Airlanes Publishing Co., New York, N. Y. Filed Feb. 14, 1941.

AIRLANES

FOR MAGAZINE PUBLISHED MONTHLY.

Claims use since January, 1936.

Ser. No. 440,871. EARL S. MORAN AND ROBERT HARRISON, New York, N. Y. Filed Feb. 21, 1941.

BEAUTY PARADE

FOR PERIODICAL PUBLISHED FROM TIME TO TIME.

Claims use since Feb. 3, 1941.

Ser. No. 441,133. GUNN-HINERMAN TIRE CO., Amarillo, Tex. Filed Mar. 1, 1941.

GUNN THRIFT STAMP HINERMAN

Applicant disclaims the words "Gunn", "Hinerman," and "Thrift Stamps" apart from the mark.

FOR TRADING STAMPS AND PRINTED BOOKLETS FOR SAVING ACCUMULATIONS OF SUCH TRADING STAMPS.

Claims use since Nov. 13, 1940.

Ser. No. 441,495. TOY MANUFACTURERS OF THE U. S. A., INC., New York, N. Y. Filed Mar. 12, 1941. Under act of Feb. 20, 1905, as amended June 10, 1938.

TOY M'F'RS. U.S.A. AMERICAN TOYS

Applicant disclaims the wording apart from the mark.

FOR PUBLICATIONS, DIRECTORIES, CATALOGUES, PAMPHLETS, AND INFORMATIVE PERIODICALS ISSUED AT IRREGULAR INTERVALS.

Claims use since Dec. 1, 1916.

Ser. No. 442,417. KELLOGG COMPANY, Battle Creek, Mich. Filed Apr. 9, 1941.



FOR COLLECTIONS OF RECIPES AND/OR MENUS ISSUED FROM TIME TO TIME.
Claims use since Jan. 1, 1941.

Ser. No. 442,467. WEEKLY PUBLICATIONS, INC., New York, N. Y. Filed Apr. 10, 1941.

The Periscope

FOR DEPARTMENT OR SECTION OF A WEEKLY MAGAZINE.
Claims use since Oct. 4, 1937.

Ser. No. 442,468. WEEKLY PUBLICATIONS, INC., New York, N. Y. Filed Apr. 10, 1941.

Perspective

FOR DEPARTMENT OR SECTION OF A WEEKLY MAGAZINE.
Claims use since Oct. 4, 1937.

Ser. No. 442,865. THE J. B. FORD SALES COMPANY, Wyandotte, Mich. Filed Apr. 23, 1941.

THE
WYANDOTTE
WIGWAM

FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since May, 1933.

Ser. No. 442,929. AMERICAN TURNERS, Detroit, Mich. Filed Apr. 25, 1941. Under act of Feb. 20, 1905, as amended June 10, 1938.

AMERICAN TURNERS
SOUND MIND SOUND BODY

No claim is made to the word "American" except as shown.
FOR ANNUAL PUBLICATIONS, BOOKS, BULLETINS, CATALOGS, CIRCULARS, INSTRUCTION SHEETS, LABELS, MAGAZINES, PAMPHLETS, PERIODICALS, PICTURES, POSTERS, PRICE LISTS, PRINTED COPIES OF CONSTITUTIONS, PRINTED COPIES OF RULES, PRINTED FOLDERS, AND SHEET MUSIC, USED BY AND BETWEEN THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS BUSINESS.
Claims use since Jan. 21, 1938.

Ser. No. 442,997. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Apr. 26, 1941.

MASTER COMICS

The word "Comics" is disclaimed apart from the mark
FOR MONTHLY PERIODICAL.
Claims use since Feb. 14, 1940.

Ser. No. 442,999. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Apr. 26, 1941.

WHIZ COMICS

The word "Comics" is disclaimed apart from the mark.
FOR MONTHLY PERIODICAL.
Claims use since Dec. 8, 1939.

Ser. No. 443,072. DETECTIVE COMICS, INC., New York, N. Y. Filed Apr. 29, 1941.

Star Spangled COMICS

Applicant disclaims the word "Comics" apart from the mark.
FOR MAGAZINE PUBLICATION.
Claims use since Apr. 1, 1941.

Ser. No. 443,117. DETECTIVE COMICS, INC., New York, N. Y. Filed Apr. 30, 1941.

Patriotic COMICS

Applicant disclaims the word "Comics" apart from the mark.
FOR MAGAZINE PUBLICATION.
Claims use since Apr. 1, 1941.

Ser. No. 443,152. ALL AMERICAN COMICS, INC., New York, N. Y. Filed May 1, 1941.

RED, WHITE & BLUE Comics

Applicant disclaims the word "Comics" apart from the mark.
FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Apr. 21, 1941.

CLASS 39

CLOTHING

Ser. No. 437,163. BROOKLYN MILLS, INC., New York, N. Y. Filed Oct. 22, 1940.

"PROTECTANET"

FOR HAIR NETS.
Claims use since Aug. 1, 1940.

Ser. No. 438,496. ALEX. WERTHEIM KNITWEAR, INC., New York, N. Y. Filed Dec. 3, 1940.

ALJAY
KNIT

The word "Knit" is disclaimed apart from the mark.
FOR MEN'S, WOMEN'S, AND CHILDREN'S SPORT SHIRTS, POLO SHIRTS, SPORT JACKETS, SLACKS, SHORTS, SPORT SWEATERS, CAPS, BATHING SUITS, UNDERWEAR, SWEATERS, LUMBER JACKETS, SPORT VESTS, WORK COATS, MEN'S AND LADIES' SUITS, LADIES' AND CHILDREN'S KNITTED HATS, HOSE, AND MEN'S AND CHILDREN'S OVERALLS.
Claims use since January, 1935.

Ser. No. 440,671. THE ATLAS UNDERWEAR COMPANY, Piqua, Ohio. Filed Feb. 15, 1941.

ATLASTIC

FOR UNDERGARMENTS AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN—NAMELY, KNITTED OR WOVEN SHIRTS, SHORTS, UNION SUITS, AND DRAWERS.
Claims use since Jan. 13, 1941.

Ser. No. 442,033. FISCHER & CO., INC., New York, N. Y. Filed Mar. 28, 1941.



FOR LADIES' PURE SILK UNDERWEAR, INCLUDING NIGHTGOWNS, SLIPS, AND PANTIES.
Claims use since Mar. 21, 1941.

Ser. No. 442,374. STEIN BROS., New York, N. Y. Filed Apr. 7, 1941.

STEIN-AIRE

No claim is made to the surname "Stein" apart from the mark.
FOR MEN'S SUMMER SUITS—NAMELY, TROUSERS, COATS, AND VESTS.
Claims use since May 1, 1940.

Ser. No. 442,726. A. SANDLER CO., Boston, Mass. Filed Apr. 18, 1941.

"Lady in White"
BY SANDLER

No claim is made to the words "By Sandler" apart from the mark.
FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR OF COMBINATIONS OF THESE MATERIALS.
Claims use since Sept. 1, 1940.

Ser. No. 443,049. GEORGE E. MURBER, San Francisco, Calif. Filed Apr. 28, 1941.

GEORGE'S

FOR RUBBER OVERSHOES, SANDALS, AND HEEL PROTECTORS.
Claims use since Jan. 12, 1931.

Ser. No. 443,255. LAURA LEE FROCKS, INC., St. Louis, Mo. Filed May 5, 1941.

CORD-O-VEL

The word "Cord" is disclaimed apart from the mark.
FOR WOMEN'S DRESSES.
Claims use since Apr. 21, 1941.

Ser. No. 443,390. BENJAMIN BILLOW, New York, N. Y. Filed May 9, 1941.

CHILD SAVER

FOR CHILDREN'S SLEEPING GARMENTS, GOWNS, SLIPS, BIBS, BLOOMERS, SHIRTS; BABY SHOES MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF; DIAPERS, RUBBER PANTS, HOSIERY, GARTERS, AND SUSPENDERS, PAJAMAS, BATHROBES, AND UNDERWEAR.
Claims use since Sept. 6, 1939.

Ser. No. 443,627. BROWN SHOE COMPANY, INC., St. Louis, Mo. Filed May 16, 1941.

MARCHERS

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER, FABRIC, COMPOSITIONS AND COMBINATIONS THEREOF.
Claims use since Apr. 8, 1941.

Ser. No. 443,712. BROOM AND NEWMAN, New York, N. Y. Filed May 20, 1941.

ICE JAMA

FOR MEN'S AND BOYS' PAJAMAS.
Claims use since Apr. 28, 1941.

Ser. No. 443,714. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed May 20, 1941.

HOST

FOR COLLARS.
Claims use since 1925.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 429,340. BARTMANN & BIXER INC., New York, N. Y. Filed Mar. 8, 1940.

KENNETH Chantilly

The word "Chantilly" is disclaimed apart from the mark.
FOR WINDOW CURTAINS.
Claims use since Feb. 1, 1940.

Ser. No. 430,220. DARLINGTON FABRICS CORPORATION, New York, N. Y. Filed Apr. 1, 1940.

Darleno

FOR WOVEN ELASTIC FABRIC, PIECE GOODS OF COTTON, RAYON, WOOL, SILK, AND ANY OTHER YARNS USED FOR FABRICS, AND COMBINATIONS THEREOF; WIDE ELASTIC WEBBINGS AND WIDE ELASTIC SHEETINGS, MADE OF PLAIN COTTON, RAYON, WOOL, SILK, AND ANY OTHER YARNS, NOT RUBBERIZED, BUT RUBBER BEING USED AS A COMPONENT PART OF THE CLOTH.
Claims use since Mar. 11, 1940.

Ser. No. 431,790. SURE-FIT PRODUCTS COMPANY, Philadelphia, Pa. Filed May 10, 1940.

SANI-Sure

FOR MATTRESS COVERS, COMFORT AND BLANKET COVERS, DAY BED COVERS, PILLOW COVERS, FOLDING BED COVERS, BAR HARBOR PILLOW COVERS, TABLE CLOTHS.
Claims use since Apr. 5, 1940.

Ser. No. 443,071. CONCORD FABRICS, New York, N. Y. Filed Apr. 29, 1941.

E-Z-WASH

The word "Wash" is disclaimed apart from the mark.
FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, COTTON-RAYON, RAYON, ACETATE, AND LINEN.
Claims use since Feb. 19, 1940.

Ser. No. 443,990. WELLINGTON SEARS COMPANY, INCORPORATED, New York, N. Y. Filed May 27, 1941.

SEAWALL

FOR DRILLS, JEANS, SUITINGS, TWILLS, DUCK, ALL OR IN PART OF COTTON, WOOL, RAYON, SILK, SYNTHETIC FIBRES.
Claims use since Aug. 1, 1933.

Ser. No. 444,033. H. W. BAKER LINEN COMPANY, New York, N. Y. Filed May 29, 1941.

SUPER-BATEX

FOR FACE AND BATH TOWELS.
Claims use since May 13, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 442,367. PARAPHONE HEARING AID, INC., Cleveland, Ohio. Filed Apr. 7, 1941.

Paravox

FOR ELECTRICAL RADIO-TUBE HEARING AIDS.
Claims use since Apr. 29, 1940.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 433,321. MONROE HARRISON, Chicago, Ill. Filed June 24, 1940.

Nu-Pep

FOR FRUIT JUICES AND FRUIT CONCENTRATES FOR BEVERAGE PURPOSES.
Claims use since June 11, 1940.

Ser. No. 436,437. PERKINS PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 27, 1940.

Perk-up

FOR BOTTLED SOFT DRINKS.
Claims use since Mar. 26, 1940.

Ser. No. 443,654. DRINK-MOR BEVERAGE COMPANY, Wilkes-Barre, Pa. Filed May 17, 1941.



The picture is fanciful.
FOR ROOT BEER.
Claims use since May 9, 1941.

Ser. No. 443,949. JAMES R. PAYNE, Houston, Tex. Filed May 26, 1941.



FOR CARBONATED, MALTLESS, NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Mar. 1, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 427,992. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 29, 1940.

QUICOATS

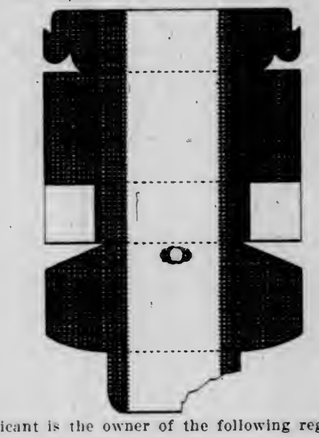
FOR ROLLED OATS.
Claims use since Jan. 9, 1940.

Ser. No. 435,842. GARDEN GROVE MUTUAL ORANGE ASSN., Garden Grove, Calif. Filed Sept. 10, 1940.

STAR BRIGHT

FOR FRESH CITRUS FRUIT.
Claims use since Aug. 16, 1940.

Ser. No. 436,824. SWIFT AND COMPANY, Chicago, Ill. Filed Oct. 10, 1940.



Applicant is the owner of the following registrations:

No. 68,448, Apr. 7, 1908; No. 122,045, June 18, 1918; No. 122,622, Aug. 27, 1918; No. 370,583, Aug. 29, 1939. No claim is made to the representation of the carton per se. The checkered lining and the scroll design are red and the oval is blue, the balance white.

FOR SAUSAGE.

Claims use since June 19, 1940.

Ser. No. 439,314. BARNET NEMROW, doing business as Nemrow System of New England, Providence, R. I. Filed Dec. 31, 1940.

Friendly

BRAND

The word "Brand" is disclaimed.

FOR CANNED VEGETABLES, VINEGAR, MAYONNAISE, MUSTARD, PICKLES, SWEET RELISH, PICCALILLI, TABLE SYRUP CONSISTING OF SUGAR AND MAPLE SYRUP, PEANUT BUTTER.

Claims use since Feb. 16, 1938.

Ser. No. 440,713. CAUSSE MANUFACTURING & IMPORTING CO., Bound Brook, N. J. Filed Feb. 17, 1941.

TROPICAL

Applicant is the owner of registration No. 173,762, dated Oct. 2, 1923.

FOR PRESERVED FRUITS—VIZ., BIGARREAUX CHERRIES, GLACED CHERRIES, CANDIED CITRON PEEL, CANDIED FRUITS, CRYSTALLIZED LEMON PEEL, CANDIED ORANGE PEEL, CRYSTALLIZED ORANGE PEEL, GLACED ORANGE PEEL, GLACED PINEAPPLE, CANDIED CHERRIES, CRYSTALLIZED CHERRIES, DRAINED CHERRIES, MARASCHINO CHERRIES, CRYSTALLIZED CITRON PEEL, GLACED CITRON PEEL, CRYSTALLIZED FRUITS, DRAINED FRUITS, CANDIED GRAPEFRUIT PEEL, CRYSTALLIZED GRAPEFRUIT PEEL, DRAINED GRAPEFRUIT PEEL, GLACED GRAPEFRUIT PEEL, CANDIED LEMON PEEL, DRAINED LEMON PEEL, GLACE LEMON PEEL, CANDIED PAPAYA, CRYSTALLIZED PAPAYA, DRAINED PAPAYA, GLACED PAPAYA, CANDIED PINEAPPLE, CRYSTALLIZED PINEAPPLE AND DRAINED PINEAPPLE, AND CRYSTALLIZED GINGER AND DRAINED GINGER.

Claims use since May 15, 1892, on bigarreaux cherries, glaced cherries, candied citron peel, candied fruits, crystallized lemon peel, candied orange peel, crystallized orange peel, glaced orange peel and glaced pineapple, and crystallized ginger; and since Mar. 1, 1915, on candied cherries, crystallized cherries, drained cherries, maraschino cherries, crystallized citron peel, glaced citron peel, crystallized fruits, drained fruits, candied grapefruit peel, crystallized grapefruit peel, drained grapefruit peel, glaced grapefruit peel, candied lemon peel, drained lemon peel, glace lemon peel, candied papaya, crystallized papaya, drained papaya, glaced papaya, candied pineapple, crystallized pineapple and drained pineapple, and drained ginger.

Ser. No. 442,031. ELMER CANDY CO., INC., New Orleans, La. Filed Mar. 28, 1941.

Elmer's MINT Bublets LIGHT AS BUBBLES

The drawing is lined for green and silver. The applicant is owner of registration No. 127,033 dated Oct. 21, 1919, and registration No. 136,410, dated Nov. 2, 1920. Applicant disclaims the words "New Orleans," "Mint," and "Light as Bubbles" apart from the mark. The outline of the label or wrapper is disclaimed.

FOR CANDY.

Claims use since Nov. 3, 1937.

Ser. No. 442,277. STEWART S. PIPER, Elmira, N. Y. Filed Apr. 4, 1941.

Signl-Salt



SEZ WHEN!

No claim is made to the word "Salt" except as shown.

FOR ARTIFICIALLY COLORED TABLE SALT.

Claims use since Feb. 1, 1941.

Ser. No. 442,795. CURT MICHAELIS, Jersey City, N. J. Filed Apr. 21, 1941.

HANDY HAMBY

FOR HAMBURGER ROLLS IN THE NATURE OF BAKERY PRODUCTS.

Claims use since Apr. 15, 1941.

Ser. No. 443,017. S AND W FINE FOODS, INC., San Francisco, Calif. Filed Apr. 26, 1941.

GOOD DAY

FOR COFFEE.

Claims use since Mar. 28, 1941.

Ser. No. 443,185. COMET RICE MILLS, INC., Beaumont, Tex. Filed May 2, 1941.

Vitafied Comet

Applicant is the owner of registrations Nos. 77,427, 92,589, 179,468, and 189,265.

FOR RICE.

Claims use since Apr. 15, 1941.

Ser. No. 443,535. WILLIAM FREIHOFER BAKING COMPANY, Philadelphia, Pa. Filed May 13, 1941.



Applicant is the owner of registration 162,943, Dec. 26, 1922. The representation of the label and the word "Bread" are disclaimed apart from the mark.

FOR BREAD.

Claims use since Apr. 7, 1941.

Ser. No. 443,846. JACK BROS. AND MCBURNEY, INC., Brawley, Calif. Filed May 23, 1941.



No claim is made to the representation of a label apart from the mark.

FOR FRESH VEGETABLES AND MELONS.

Claims use since Jan. 2, 1941.

CLASS 47

WINES

Ser. No. 441,876. ANTON REICHMUTH, doing business as Tony's Winery and Grand Life Champagne Winery, San Francisco, Calif. Filed Mar. 24, 1941.

CHÂTEAU THIERRY

No claim is made to the name "Thierry" apart from the mark.

FOR CHAMPAGNE.

Claims use since October, 1940.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 438,588. SCHOENHOFEN EDELWEISS COMPANY, Chicago, Ill. Filed Dec. 6, 1940.

TOY BOY

FOR BEER.

Claims use since Dec. 3, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 15, 1941

388,825. WHISKEY. KRAUS BROS. & CO. INC., New York, N. Y., assignor to Hiram Walker & Sons, Inc., Peoria, Ill., a corporation of Michigan.
Filed June 22, 1937. Serial No. 394,375. PUBLISHED NOVEMBER 22, 1938. Class 49.

388,826. VEHICLE WHEELS, PARTICULARLY INDEPENDENTLY ROTATABLE DUAL WHEELS. DIFFERENTIAL WHEEL CORPORATION, Detroit, Mich.
Filed February 24, 1939. Serial No. 416,372. PUBLISHED MAY 6, 1941. Class 19.

388,827. BAKERY PRODUCTS, PARTICULARLY BREAD. SPAULDING BAKERIES, INC., Binghamton, N. Y.
Filed March 3, 1939. Serial No. 416,659. PUBLISHED MAY 6, 1941. Class 46.

388,828. MILK AND MILK PRODUCTS—NAMELY, BUTTER, CHEESE, CREAM, BUTTERMILK, ACIDOPHILUS MILK, AND ICE CREAM. CAPITOL MILK BARS CORP., New York, N. Y.
Filed August 25, 1939. Serial No. 422,984. PUBLISHED MAY 6, 1941. Class 46.

388,829. SOAPS, CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTHS OF ABRADANT NATURE, FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. BRILLO MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed September 5, 1939. Serial No. 423,289. PUBLISHED MAY 6, 1941. Class 4.

388,830. SANDWICHES. TOM THUMB SHOPS, INC., Washington, D. C.
Filed December 18, 1939. Serial No. 426,717. PUBLISHED MAY 6, 1941. Class 46.

388,831. BREAD, COOKIES, CAKES, DOUGHNUTS, AND CANDY BARS. WM. G. SCHOLTS, Los Angeles, Calif.
Filed January 22, 1940. Serial No. 427,722. PUBLISHED MAY 6, 1941. Class 46.

388,832. WATER COLOR PAINTS IN BOTTLES, TUBES, PANS, CAKES, AND THE LIKE FOR ARTISTS AND STUDENTS. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed February 28, 1940. Serial No. 428,981. PUBLISHED AUGUST 20, 1940. Class 16.

388,833. BINDER TWINE. UNITED CO-OPERATIVES, INC., Indianapolis, Ind.
Filed February 28, 1940. Serial No. 429,015. PUBLISHED MAY 6, 1941. Class 7.

388,834. WOVEN, QUILTED, KNIT PIECE GOODS OF RAYON, COTTON, WOOL, SILK, AND SIMILAR MATERIALS. ABNER KAPLAN, New York, N. Y.
Filed February 29, 1940. Serial No. 429,056. PUBLISHED NOVEMBER 19, 1940. Class 42.

388,835. FINISHED TEXTILE FABRICS IN THE PIECE COMPOSED OF COTTON, RAYON, OR MIXTURES THEREOF. MOUNT HOPE FINISHING COMPANY, Dighton, Mass.
Filed March 18, 1940. Serial No. 429,712. PUBLISHED MAY 6, 1941. Class 42.

388,836. IRONING MACHINES. EASY WASHING MACHINE CORPORATION, Syracuse, N. Y.
Filed March 25, 1940. Serial No. 429,937. PUBLISHED JUNE 11, 1940. Class 24.

388,837. REPLACEMENT UNITS FOR OIL REFINING DEVICES FOR DIESEL ENGINES. LUBER-FINER, INC., Los Angeles, Calif.
Filed April 15, 1940. Serial No. 430,785. PUBLISHED MAY 6, 1941. Class 23.

388,838. POULTRY MASH FEED, AND MIXED POULTRY FEEDS, CHICK FEEDS, CONCENTRATE USED FOR MIXING WITH POULTRY FEEDS, EGG AND GROWING MASH FEEDS, AND FATTENING FEEDS. SEYMOUR PACKING COMPANY, Topeka, Kans.
Filed May 20, 1940. Serial No. 432,159. PUBLISHED MAY 6, 1941. Class 46.

388,839. SAPONACEOUS CLEANSER FOR GENERAL CLEANING USES SUCH AS CLEANING PAINTED WALLS, WOODWORK, ETC. TOMALENE MANUFACTURING COMPANY, Lock Haven, Pa.
Filed June 11, 1940. Serial No. 432,904. PUBLISHED MAY 6, 1941. Class 4.

388,840. HYDRO EXTRACTORS AS CENTRIFUGAL LAUNDRY EXTRACTORS. THE PROSPERITY COMPANY, INC., Syracuse, N. Y.
Filed July 23, 1940. Serial No. 434,249. PUBLISHED MAY 6, 1941. Class 24.

388,841. INFANTS', CHILDREN'S, AND JUNIORS' COATS. JOSEPH FELDMAN, doing business as Scher & Feldman, New York, N. Y.
Filed July 27, 1940. Serial No. 434,398. PUBLISHED MAY 6, 1941. Class 39.

388,842. MAGAZINE. FOX PUBLICATIONS, INC., New York, N. Y.
Filed August 6, 1940. Serial No. 434,717. PUBLISHED NOVEMBER 12, 1940. Class 38.

388,843. PAPER CUPS AND PAPER CONTAINERS IN THE GENERAL NATURE OF PAPER CANS. LILY-TULIP CUP CORPORATION, New York, N. Y.
Filed August 21, 1940. Serial No. 435,212. PUBLISHED JANUARY 7, 1941. Class 2.

388,844. MEN'S SUITS AND MEN'S OVERCOATS. BAKER CLOTHES, INC., Philadelphia, Pa.
Filed August 22, 1940. Serial No. 435,233. PUBLISHED MAY 6, 1941. Class 39.

388,845. COUPONS. HARRY HENRY, Chicago, Ill.
Filed September 30, 1940. Serial No. 436,511. PUBLISHED MAY 6, 1941. Class 38.

388,846. PRINTED BOOKS AND OTHER PRINTED PUBLICATIONS—NAMELY, VOCATIONAL MANUALS ISSUED FROM TIME TO TIME. INTERNATIONAL CORRESPONDENCE SCHOOLS, Scranton, Pa.
Filed October 2, 1940. Serial No. 436,570. PUBLISHED APRIL 29, 1941. Class 38.

388,847. WOMEN'S DRESSES AND APRONS OF THE WRAP-AROUND TYPE. KATHLEEN QUINN GARMENT COMPANY, Ogden, Utah.
Filed October 23, 1940. Serial No. 437,218. PUBLISHED MAY 6, 1941. Class 39.

388,848. OIL BURNERS. RAY OIL BURNER CO., San Francisco, Calif.
Filed December 2, 1940. Serial No. 438,452. PUBLISHED MAY 6, 1941. Class 34.

388,849. VIOLINS, VIOLAS, CELLOS, BASSES, ACCORDIONS, PIANO ACCORDIONS, MOUTH HARMONICAS, MOUTH ORGANS, ETC. METROPOLITAN MUSIC CO., New York, N. Y.
Filed December 3, 1940. Serial No. 438,488. PUBLISHED MAY 6, 1941. Class 36.

388,850. DEHYDRATED EDIBLE SEA VEGETABLES AND DEHYDRATED UNCOOKED VEGETABLES. GEORGE C. TONG, doing business as Veg-O-Sea Products, St. Louis, Mo.
Filed December 16, 1940. Serial No. 438,912. PUBLISHED MAY 6, 1941. Class 46.

388,851. COMPOUND SHORTENING MADE FROM VEGETABLE AND ANIMAL FATS. THE GLIDDEN COMPANY, doing business as Durkee Famous Foods, New York, N. Y., Chicago, Ill., Louisville, Ky., and Berkeley, Calif.
Filed December 20, 1940. Serial No. 439,045. PUBLISHED MAY 6, 1941. Class 46.

388,852. SILVERWARE—NAMELY, HOLLOW-WARE AND FLATWARE; GOLD AND SILVER PLATED WARE—NAMELY, CAKE BASKETS, CAKE TRAYS, ETC. WEIDLICH STERLING SPOON CO., Bridgeport, Conn.
Filed December 20, 1940. Serial No. 439,061. PUBLISHED APRIL 29, 1941. Class 28.

388,853. INSULATED ELECTRICAL WIRE AND CABLE. ANACONDA WIRE & CABLE COMPANY, New York, N. Y.
Filed December 24, 1940. Serial No. 439,149. PUBLISHED MAY 6, 1941. Class 21.

388,854. WHISKEY. DENEBEIM DISTILLING CO., Kansas City, Mo.
Filed December 28, 1940. Serial No. 439,249. PUBLISHED MAY 6, 1941. Class 49.

388,855. POTTERY COOKING AND TABLE WARE. NATIONAL SILVER COMPANY, New York, N. Y.
Filed January 3, 1941. Serial No. 439,394. PUBLISHED MAY 6, 1941. Class 30.

388,856. SEPTIC TANKS. HYGIENE PRODUCTS COMPANY, INC., Temple City, Calif.
Filed January 6, 1941. Serial No. 439,510. PUBLISHED APRIL 15, 1941. Class 13.

388,857. SWIMSUITS, PLAYSUITS FOR MEN, WOMEN, AND CHILDREN. LEE KNITWEAR CORP., New York, N. Y.
Filed January 10, 1941. Serial No. 439,547. PUBLISHED MAY 6, 1941. Class 39.

388,858. VEGETABLE SHORTENING USED IN COOKING, FRYING, AND BAKING. COSMO PACKING COMPANY, INC., New York, N. Y.
Filed January 13, 1941. Serial No. 439,616. PUBLISHED MAY 6, 1941. Class 46.

388,859. GASOLINE. PATHFINDER PETROLEUM COMPANY, Los Angeles, Calif.
Filed January 13, 1941. Serial No. 439,626. PUBLISHED MAY 6, 1941. Class 15.

388,860. GASOLINE. PATHFINDER PETROLEUM COMPANY, Los Angeles, Calif.
Filed January 13, 1941. Serial No. 439,628. PUBLISHED MAY 6, 1941. Class 15.

388,861. GASOLINE. PATHFINDER PETROLEUM COMPANY, Los Angeles, Calif.
Filed January 13, 1941. Serial No. 439,629. PUBLISHED MAY 6, 1941. Class 15.

388,862. FEED INGREDIENT OR SUPPLEMENT TO BE USED IN THE MAKING OF HORSE, COW, SHEEP, HOG, DOG, AND POULTRY FEEDS. PRATT FOOD COMPANY, Philadelphia, Pa.
Filed January 14, 1941. Serial No. 439,664. PUBLISHED MAY 6, 1941. Class 46.

388,863. SURFACE FINISHING MATERIALS FOR CEMENT, STONE, OR MASTIC FLOOR COVERINGS. BRANTFORD ROOFING COMPANY, LIMITED, Brantford, Ontario, Canada.
Filed January 15, 1941. Serial No. 439,686. PUBLISHED MAY 6, 1941. Class 12.

388,864. CARBONATED, NONALCOHOLIC, MALTLESS BEVERAGE. WALTER G. STEN, doing business as Granite Beverage Co., New York, N. Y.
Filed January 16, 1941. Serial No. 439,732. PUBLISHED MAY 6, 1941. Class 45.

388,865. INSTANTANEOUS SOUND RECORDING BLANKS. AUDIO DEVICES, INC., New York, N. Y.
Filed January 21, 1941. Serial No. 439,792. PUBLISHED MAY 6, 1941. Class 36.

388,866. INSTANTANEOUS SOUND RECORDING BLANKS. AUDIO DEVICES, INC., New York, N. Y.
Filed January 21, 1941. Serial No. 439,794. PUBLISHED MAY 6, 1941. Class 36.

388,867. MEN'S OVERCOATS. JACOB SIEGEL COMPANY, Philadelphia, Pa.
Filed January 21, 1941. Serial No. 439,841. PUBLISHED MAY 6, 1941. Class 39.

388,868. MAGAZINE PUBLISHED MONTHLY. HOWARD D. STEWART, New York, N. Y.
Filed January 23, 1941. Serial No. 439,910. PUBLISHED MAY 6, 1941. Class 38.

388,869. HACK SAW BLADES. E. C. ATKINS AND COMPANY, Indianapolis, Ind.
Filed January 27, 1941. Serial No. 439,984. PUBLISHED MAY 6, 1941. Class 23.

388,870. FRESH CITRUS FRUIT. SANTA ANA TUSTIN MUTUAL CITRUS ASSOCIATION, Tustin, Calif.
Filed January 28, 1941. Serial No. 440,060. PUBLISHED MAY 6, 1941. Class 46.

388,871. CHOCOLATE POWDER USED AS A DIETARY SUPPLEMENT AND NUTRITIVE, WITH ADDED MINERALS AND VITAMINS. FREEDA AGAR PRODUCTS, New York, N. Y.
Filed January 29, 1941. Serial No. 440,088. PUBLISHED MAY 6, 1941. Class 46.

388,872. NON-METALLIC SPOONS. SPIR-IT, INC., Malden, Mass.
Filed January 29, 1941. Serial No. 440,102. PUBLISHED MAY 6, 1941. Class 23.

388,873. WHEAT ENDOSPERM, A PURE CEREAL PRODUCT IN GRANULAR FORM USED AS A BINDER INGREDIENT IN PREPARED FOOD SPECIALTIES. STEIN-HALL MANUFACTURING COMPANY, Chicago, Ill.
Filed January 30, 1941. Serial No. 440,137. PUBLISHED MAY 6, 1941. Class 46.

388,874. UNIT AIR CONDITIONERS. FRICK COMPANY, Waynesboro, Pa.
Filed January 31, 1941. Under section 5b of the Act of 1905 as amended in 1920. Serial No. 440,158. PUBLISHED MAY 6, 1941. Class 34.

388,875. VENTILATOR GRATINGS, STEPS, WALKWAYS, BRIDGE FLOORS, AND MISCELLANEOUS GRATING PRODUCTS. KERLOW STEEL FLOORING COMPANY, Jersey City, N. J.
Filed January 31, 1941. Serial No. 440,167. PUBLISHED MAY 6, 1941. Class 12.

388,876. POCKET KNIVES, HUNTING KNIVES, AND KITCHEN KNIVES, MADE OF BASE METAL. ADOLPH KASTOR & BROS., INC., New York, N. Y.
Filed February 3, 1941. Serial No. 440,253. PUBLISHED MAY 6, 1941. Class 23.

388,877. ELECTRICAL PLUGS AND SOCKETS. ARTHUR L. KULIMAN, Ann Arbor, Mich.
Filed February 3, 1941. Serial No. 440,255. PUBLISHED MAY 6, 1941. Class 21.

388,878. WHEAT FLOUR CONTAINING VITAMINS AND MINERALS AND FOR A CONCENTRATED PREPARATION CONSISTING OF WHEAT FLOUR VITAMINS, ETC. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed February 3, 1941. Serial No. 440,264. PUBLISHED MAY 6, 1941. Class 46.

388,879. BUILDING CEMENT. THE CALCIBRITE CORPORATION, Pawtucket, R. I.
Filed February 4, 1941. Serial No. 440,280. PUBLISHED May 6, 1941. Class 12.

388,880. TEXTILE MACHINERY AND PARTS THEREOF INCLUDING BALE BREAKERS, OPENERS, AUTOMATIC FEEDERS, LAPPERS, ETC. SACO-LOWELL SHOPS, Boston, Mass.
Filed February 4, 1941. Serial No. 440,293. PUBLISHED MAY 6, 1941. Class 23.

388,881. FRESH CITRUS FRUITS AND CITRUS FRUIT JUICES FOR FOOD PURPOSES. DR. POMELO COMPANY, also doing business as Engleman Gardens Association, Edinburg, Tex.
Filed February 5, 1941. Serial No. 440,341. PUBLISHED MAY 6, 1941. Class 46.

388,882. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED PAJAMAS AND MEN'S, WOMEN'S, AND CHILDREN'S KNITTED SLEEPING GARMENTS. FORT SCHUYLER KNITTING COMPANY, Utica, N. Y.
Filed February 6, 1941. Serial No. 440,370. PUBLISHED MAY 6, 1941. Class 39.

388,883. FANS AND FAN AIR CIRCULATORS. RUSSELL ELECTRIC COMPANY, Chicago, Ill.
Filed February 7, 1941. Serial No. 440,427. PUBLISHED MAY 6, 1941. Class 34.

388,884. WOMEN'S AND MISSES' SPORTSWEAR—NAMELY, SHIRTS, BLOUSES, SLACKS, JACKETS, SUITS, SHORTS, DRESSES, SWEATERS, AND SKIRTS. MIDWEST KNIT GOODS COMPANY, Chicago, Ill.
Filed February 8, 1941. Serial No. 440,467. PUBLISHED MAY 6, 1941. Class 39.

388,885. CANNED COOKED RICE. M. YONAN-MALEK, doing business as California Rice Products Company, San Francisco, Calif.
Filed February 8, 1941. Serial No. 440,482. PUBLISHED APRIL 29, 1941. Class 46.

388,886. EDITORIALS APPEARING IN A DAILY NEWSPAPER. JAMES HARRY YOUNG, Alameda, Calif.
Filed February 8, 1941. Serial No. 440,483. PUBLISHED MAY 6, 1941. Class 38.

388,887. EDITORIALS APPEARING IN A DAILY NEWSPAPER. JAMES HARRY YOUNG, Alameda, Calif.
Filed February 8, 1941. Serial No. 440,484. PUBLISHED MAY 6, 1941. Class 38.

388,888. LADIES' SKIRTS. MADISON SPORTSWEAR, INC., Boston, Mass., and New York, N. Y.
Filed February 10, 1941. Serial No. 440,517. PUBLISHED MAY 6, 1941. Class 39.

388,889. HAND LUGGAGE—NAMELY, SUIT CASES, TRAY CASES, HAT CASES, HAT AND SHOE CASES, WARDROBE CASES, AND WEEKEND OR VISITING CASES. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed February 10, 1941. Serial No. 440,519. PUBLISHED MAY 6, 1941. Class 3.

388,890. BEER. THE JOSEPH HENSLER BREWING COMPANY, Newark, N. J.
Filed February 11, 1941. Serial No. 440,553. PUBLISHED MAY 6, 1941. Class 48.

388,891. FRESH CITRUS FRUITS. HEMET MUTUAL GROVES, Hemet, Calif.
Filed February 11, 1941. Serial No. 440,554. PUBLISHED MAY 6, 1941. Class 46.

388,892. BUSINESS AND INDUSTRIAL BUYERS' GUIDE CLASSIFIED TELEPHONE DIRECTORY. INDEPENDENT DIRECTORY CORP., Chicago, Ill.
Filed February 12, 1941. Serial No. 440,595. PUBLISHED MAY 6, 1941. Class 38.

388,893. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed February 12, 1941. Serial No. 440,597. PUBLISHED MAY 6, 1941. Class 39.

388,894. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed February 12, 1941. Serial No. 440,598. PUBLISHED MAY 6, 1941. Class 39.

388,895. NONALCOHOLIC, MALTLESS BEVERAGES AND SYRUPS FOR MAKING THE SAME. LIMPERT BROS., INC., Vineland, N. J., and New York, N. Y.
Filed February 13, 1941. Serial No. 440,628. PUBLISHED MAY 6, 1941. Class 45.

388,896. BUILDING UNIT—NAMELY, BRICK, BLOCK, HOLLOW TILE, OR THE LIKE FOR BUILDING CONSTRUCTION. CHARLES A. MEADE, Poughkeepsie, N. Y.
Filed February 13, 1941. Serial No. 440,632. PUBLISHED MAY 6, 1941. Class 12.

388,897. NONSKID METAL ARTICLES—NAMELY, STEPS. THE EASTERN MALLEABLE IRON COMPANY, Naugatuck, Conn.
Filed February 15, 1941. Serial No. 440,682. PUBLISHED MAY 6, 1941. Class 12.

388,898. GLASS AND COMBINATION GLASS AND METAL GLOBES AND REFLECTORS. THE MILLER COMPANY, Meriden, Conn.
Filed February 15, 1941. Serial No. 440,703. PUBLISHED MAY 6, 1941. Class 34.

388,899. SALTED PEANUTS. DWINELL-WRIGHT COMPANY, Boston, Mass.
Filed February 18, 1941. Serial No. 440,745. PUBLISHED MAY 6, 1941. Class 46.

388,900. DUST LAYER OIL AND PRESERVATIVE IN THE NATURE OF A FLOOR SWEEPING COMPOUND FOR FURNITURE, WOODWORK, FLOORS, AND STAIRWAYS, AND FOR TREATMENT OF MOPS AND DUST CLOTHS. HUNTINGTON LABORATORIES, INC., Huntington, Ind.
Filed October 10, 1940. Serial No. 436,804. PUBLISHED MAY 6, 1941. Class 4.

388,901. WINES. LEROUX AND COMPANY, INC., Philadelphia, Pa.
Filed February 20, 1941. Serial No. 440,822. PUBLISHED MAY 6, 1941. Class 47.

388,902. TRADING CERTIFICATES. SAMUEL A. PHILLIPS, doing business as Business Promotion Service, Morgantown, W. Va.
Filed February 20, 1941. Serial No. 440,831. PUBLISHED MAY 6, 1941. Class 38.

388,903. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, TOPCOATS, OVERCOATS, AND TROUSERS. HARVEY BROTHERS, Chicago, Ill.
Filed February 21, 1941. Serial No. 440,859. PUBLISHED MAY 6, 1941. Class 39.

388,904. CANNED VEGETABLES. SAUKVILLE CANNING CO., Milwaukee and Saukville, Wis.
Filed February 21, 1941. Serial No. 440,882. PUBLISHED MAY 6, 1941. Class 46.

388,905. LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF A DRESS AND A COAT. DAVID CRYSTAL, INC., New York, N. Y.
Filed February 24, 1941. Serial No. 440,918. PUBLISHED MAY 6, 1941. Class 39.

388,906. COFFEE. WESTFELDT BROTHERS, New Orleans, La.
Filed February 24, 1941. Serial No. 440,969. PUBLISHED MAY 6, 1941. Class 46.

388,907. COTTON AND/OR RAYON PIECE GOODS. ALEO MILLS, INC., New York, N. Y.
Filed February 25, 1941. Serial No. 440,974. PUBLISHED MAY 6, 1941. Class 42.

388,908. NEWSPAPER COLUMN. THE SPORTING NEWS PUBLISHING COMPANY, doing business as Charles C. Spink & Son, St. Louis, Mo.
Filed February 26, 1941. Serial No. 441,000. PUBLISHED MAY 6, 1941. Class 38.

388,909. WEEKLY MAGAZINE. TIME, INCORPORATED, New York, N. Y.
Filed February 26, 1941. Serial No. 441,003. PUBLISHED MAY 6, 1941. Class 38.

388,910. WOODEN TOYS—NAMELY, BOATS, BOATHOUSES, SLIPS, BUOYS, DOCKS, AND LIGHT HOUSES. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed February 27, 1941. Serial No. 441,045. PUBLISHED MAY 6, 1941. Class 22.

388,911. WOMEN'S AND MISSES' DRESSES, SKIRTS, COATS, AND SUITS. JOSEPH LEVAY, INC., New York, N. Y.
Filed February 27, 1941. Serial No. 441,054. PUBLISHED MAY 6, 1941. Class 39.

388,912. GREETING CARDS. WHITE & WYCKOFF MFG. CO., Holyoke, Mass.
Filed February 27, 1941. Serial No. 441,066. PUBLISHED MAY 6, 1941. Class 38.

388,913. GRANULATED HAND SOAP. THE ANDERSON COMPANY, Gary, Ind.
Filed February 28, 1941. Serial No. 441,073. PUBLISHED MAY 6, 1941. Class 4.

388,914. GRANULATED HAND SOAP. THE ANDERSON COMPANY, Gary, Ind.
Filed February 28, 1941. Serial No. 441,076. PUBLISHED MAY 6, 1941. Class 4.

388,915. LIQUID SOLVENT OF PETROLEUM ORIGIN AND OF HIGH AROMATICITY FOR USE IN VARNISH, PAINT, AND LACQUER. AMERICAN MINERAL SPIRITS COMPANY, Chicago, Ill.
Filed March 1, 1941. Serial No. 441,119. PUBLISHED MAY 6, 1941. Class 16.

388,916. CONSOLES. CAVALIER CORPORATION, Chattanooga, Tenn.
Filed March 1, 1941. Serial No. 441,124. PUBLISHED MAY 6, 1941. Class 32.

388,917. CONSOLES. CAVALIER CORPORATION, Chattanooga, Tenn.
Filed March 1, 1941. Serial No. 441,126. PUBLISHED MAY 6, 1941. Class 32.

388,918. CANNED OLIVES. CHAS. E. HAZEN, doing business as Hazen Packing Company, Corning, Calif.
Filed March 1, 1941. Serial No. 441,135. PUBLISHED MAY 6, 1941. Class 46.

388,919. PIECE GOODS MADE WHOLLY OR IN PART OF ACETATE, RAYON, SPUN RAYON, AND SILK. J. ROSENHOLZ, INC., New York, N. Y.
Filed March 3, 1941. Serial No. 441,182. PUBLISHED MAY 6, 1941. Class 42.

388,920. OUTDOOR FURNITURE, SPECIFICALLY GLIDERS. THE SHOTT MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed March 5, 1941. Serial No. 441,260. PUBLISHED MAY 6, 1941. Class 32.

388,921. YARNS, THREADS, AND YARN AND THREAD FILAMENTS. AMERICAN VISCOSE CORPORATION, Wilmington, Del.
Filed March 6, 1941. Serial No. 441,273. PUBLISHED MAY 6, 1941. Class 43.

388,922. COMIC STRIP. THE BUCKEYE BREWING COMPANY, Toledo, Ohio.
Filed March 6, 1941. Serial No. 441,278. PUBLISHED MAY 6, 1941. Class 38.

388,923. COTTON PIECE GOODS. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed March 7, 1941. Serial No. 441,336. PUBLISHED MAY 6, 1941. Class 42.

388,924. SYRUPS, EXTRACTS, AND FLAVORS FOR MAKING NONALCOHOLIC BEVERAGES. TOWNE TALK COMPANY, Los Angeles, Calif.
Filed March 10, 1941. Serial No. 441,419. PUBLISHED MAY 6, 1941. Class 45.

388,925. LADIES' WATCH BRACELETS. JACOBY-BENDER, INC., New York, N. Y.
Filed March 11, 1941. Serial No. 441,436. PUBLISHED APRIL 29, 1941. Class 28.

388,926. MEN'S SUMMER SUITS. RALEIGH HABERDASHER, Washington, D. C.
Filed March 11, 1941. Serial No. 441,446. PUBLISHED MAY 6, 1941. Class 39.

388,927. DENTAL IMPRESSION MATERIAL. J. F. JELENKO & CO. INC., New York, N. Y.
Filed March 12, 1941. Serial No. 441,473. PUBLISHED MAY 6, 1941. Class 44.

388,928. WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR. ANNA SAAB, New York, N. Y.
Filed March 12, 1941. Serial No. 441,488. PUBLISHED MAY 6, 1941. Class 39.

388,929. INTERFITTING CONSTRUCTION TOYS. THE INSEL COMPANY, Arlington, N. J.
Filed March 13, 1941. Serial No. 441,511. PUBLISHED MAY 6, 1941. Class 22.

388,930. REFINED LEAD IN PIGS OR BLOCKS, ANTIMONIAL LEAD PIGS, CAULKING LEAD PIGS, AND LEAD ALLOY PIGS. INTERNATIONAL SMELTING AND REFINING COMPANY, Perth Amboy, N. J.
Filed March 13, 1941. Serial No. 441,512. PUBLISHED MAY 6, 1941. Class 14.

388,931. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed March 14, 1941. Serial No. 441,537. PUBLISHED MAY 6, 1941. Class 39.

388,932. JEWELRY FOR PERSONAL WEAR AND ADORNMENT, NOT INCLUDING WATCHES. SWANK, INC., Attleboro, Mass.
Filed March 14, 1941. Serial No. 441,554. PUBLISHED APRIL 29, 1941. Class 28.

388,933. TABLE GAME. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed March 17, 1941. Serial No. 441,603. PUBLISHED MAY 6, 1941. Class 22.

388,934. FLAKED DISINTEGRATED METAL USED AS PAINT INGREDIENT, PARTICULARLY AS PAINT PIGMENTS. METALS DISINTEGRATING COMPANY, INC., Union, N. J.
Filed March 17, 1941. Serial No. 441,617. PUBLISHED MAY 6, 1941. Class 16.

388,935. FLAKED DISINTEGRATED METAL USED AS PAINT INGREDIENT, PARTICULARLY AS PAINT PIGMENTS. METALS DISINTEGRATING COMPANY, INC., Union, N. J.
Filed March 17, 1941. Serial No. 441,618. PUBLISHED MAY 6, 1941. Class 16.

388,936. COMPOUND FOR THE CHILLPROOFING OF BEER AND ALES. BREWERS SCIENTIFIC LABORATORIES, INC., Rahway, N. J.
Filed March 19, 1941. Serial No. 441,693. PUBLISHED MAY 6, 1941. Class 48.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

388,937. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Filed June 11, 1938. Serial No. 407,364.

MATCH



TARGET

FOR AUTOMATIC PISTOLS.
Claims use since June 7, 1938.

388,938. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Hartford, Conn. Filed June 11, 1938. Serial No. 407,365.

MATCH

TARGET

FOR AUTOMATIC PISTOLS.
Claims use since June 7, 1938.

388,939. (CLASS 12. CONSTRUCTION MATERIALS.) GRAVER TANK & MFG. CO., INC., East Chicago, Ind. Filed Nov. 20, 1939. Serial No. 425,834.

GRAVER
EXPANSION
ROOF

FOR METAL ROOFS FOR STORAGE TANKS.
Claims use since Sept. 26, 1939.

388,940. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSMO-Q CORPORATION, Madison, Wis. Filed Dec. 14, 1939. Serial No. 426,560.

COVER-UP

FOR COLOR COATING MATERIAL FOR HAIR, SKIN, NAILS, AND LIPS.
Claims use since Dec. 8, 1939.

388,941. (CLASS 38. PRINTS AND PUBLICATIONS.) THE ASSOCIATED PRESS, New York, N. Y. Filed Apr. 4, 1940. Serial No. 430,346.

THE DOOLITTLES

FOR A SERIES OF NEWSPAPER FEATURES.
Claims use since Jan. 1, 1940.

388,942. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WEAN ENGINEERING COMPANY, INC., Warren, Ohio. Filed May 3, 1940. Serial No. 431,539.

TITECOTE

FOR GALVANIZING MACHINES.
Claims use since Mar. 12, 1940.

388,943. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BLACK AND DECKER MANUFACTURING COMPANY, Towson, Md. Filed May 18, 1940. Serial No. 432,065.

QUICK SAW

FOR HAND PORTABLE ELECTRIC SAWS.
Claims use since May 3, 1940.

388,944. (CLASS 38. PRINTS AND PUBLICATIONS.) METAL INDUSTRY PUBLISHING COMPANY, New York N. Y. Filed May 29, 1940. Serial No. 432,482.

PLATING AND FINISHING GUIDEBOOK

FOR ANNUAL PERIODICAL.
Claims use since May 1, 1940.

388,945. (CLASS 37. PAPER AND STATIONERY.) GAW-O'HARA ENVELOPE CO., Chicago, Ill. Filed June 5, 1940. Serial No. 432,685.

POST-PAC

FOR ENVELOPES AND POCKET LABELS.
Claims use since Feb. 21, 1940.

388,946. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCDANIEL & SONS, INC., Somerton, Ariz. Filed June 10, 1940. Serial No. 432,862.



FOR FRESH VEGETABLES AND MELONS.
Claims use since Jan. 8, 1940.

388,947. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LEM W. WOLFE, Setawket, N. Y. Filed June 11, 1940. Serial No. 432,909.



FOR COMPUTING TOOL FOR LAYING OUT POINTS ON PIPES FOR THE PURPOSE OF CUTTING THE PIPES AT DESIRED ANGLES.
Claims use since May 6, 1940.

388,948. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) HUBBARD & BUSCH, Ashburn, Mo. Filed June 27, 1940. Serial No. 433,436.



FOR MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF SORES OF ALL KINDS, CUTS, BURNS, SKIN DISEASES, AND ECZEMA.
Claims use since Jan. 1, 1940.

388,949. (CLASS 38. PRINTS AND PUBLICATIONS.) KING FEATURES SYNDICATE, INC., New York, N. Y. Filed July 5, 1940. Serial No. 433,718.

Rush Newton of the NEWSREELS

FOR CARTOON SERIES.
Claims use since May 10, 1940.

388,950. (CLASS 38. PRINTS AND PUBLICATIONS.) ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill. Filed July 29, 1940. Serial No. 434,467.

PETS

FOR PERIODICAL.
Claims use since May 15, 1940.

388,951. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GERRARD COMPANY, INC., Chicago, Ill. Filed Sept. 28, 1940. Serial No. 436,469.

GERRARD

FOR WIRE TYING MACHINES, WIRE STRAIGHTENING MACHINES, AND WIRE HOLDERS AND WIRE REELS FROM WHICH WIRE IS FED DIRECTLY TO WIRE TYING MACHINES.
Claims use since Aug. 1, 1917.

388,952. (CLASS 12. CONSTRUCTION MATERIALS.) HARRY S. WALKER AND WILLIAM ZAISSER, New York, N. Y. Filed Mar. 1, 1941. Serial No. 441,148.

U-MIX-IT

FOR PULVERIZED ASPHALT TO BE MIXED WITH A SOLVENT TO MAKE PAINT, CEMENT, CALKING ADHESIVE AND THE LIKE.
Claims use since Feb. 1, 1940.

388,953. (CLASS 12. CONSTRUCTION MATERIALS.) WELT & SONS PAPER COMPANY, Detroit, Mich. Filed Mar. 20, 1941. Serial No. 441,756.

Rope Kraft

FOR ASPHALT AND PAPER SHEET MATERIAL USED IN THE BUILDING AND INDUSTRIAL TRADES.
Claims use since early in the year 1930.

388,954. (CLASS 38. PRINTS AND PUBLICATIONS.) CRAFTEX WOVEN LABEL CO., INC., New York, N. Y. Filed Apr. 14, 1941. Serial No. 442,551.

LABELCRAFT PRODUCTS

FOR WOVEN AND PRINTED LABELS AND TAGS. Claims use since Jan. 2, 1940.

388,955. (CLASS 38. PRINTS AND PUBLICATIONS.) WOMEN'S WEAR COMPANY, New York, N. Y. Filed Apr. 21, 1941. Serial No. 442,816.

Comparison Shopper in New York

FOR TITLE FOR A NEWS COLUMN. Claims use since Mar. 16, 1936.

388,956. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. LOWENSTEIN & SONS, INC., New York, N. Y. Filed Apr. 29, 1941. Serial No. 443,086.

PEAK OF PERFECTION

FOR COTTON AND/OR RAYON PIECE GOODS. Claims use since 1929.

388,957. CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) MATILDA MUELLER, Minneapolis, Minn. Filed Apr. 29, 1941. Serial No. 443,088.

"MATILDA MUELLER'S ARTHRITIS TEA"

FOR PREPARATION USED IN THE TREATMENT OF ARTHRITIS, TO BE TAKEN INTERNALLY. Claims use since January, 1937.

TRADE-MARK REGISTRATIONS RENEWED

19,438. **THE ROOSTER BRAND.** SARDINES, CHOCOLATE, PRESERVES, AND MUSHROOMS. Registered May 5, 1891. THEODORE W. STEMMLER, New York, N. Y., Paris, France, and London, England. Re-renewed May 5, 1941, to Lorraine B. Stemmler, executrix of the estate of Theodore W. Stemmler, deceased, New York, N. Y.

20,232. **"682".** TISSUE PAPER. Registered October 20, 1891. ROBERT FLETCHER & SON. Re-renewed October 20, 1941, to Robert Fletcher & Son Limited, Stoneclough, near Manchester, England, a British corporation, successor.

20,383. **CARTER'S LITTLE LIVER PILLS.** PILLS. Registered November 17, 1891. CARTER MEDICINE COMPANY. Re-renewed November 17, 1941, to Carter Products, Inc., New York, N. Y., a corporation of Maryland, assignee.

135,919. **SNO-TOP.** SPRING-WATER, CARBONATED WATER, DISTILLED WATER, AND NON-ALCOHOLIC BEVERAGES AND SYRUPS FOR MAKING THE SAME. Registered October 26, 1920. BOONVILLE MINERAL SPRING COMPANY, Utica and Boonville, N. Y. Renewed October 26, 1940, to Adirondack Mineral Springs, Inc., Boonville, N. Y., a corporation of New York, assignee by mesne assignments.

140,727. **AYWON.** DRESS, NEGLIGÉE, AND WORK SHIRTS, PAJAMAS, COLLARS AND CUFFS, MEN'S FLAT UNDERWEAR. Registered March 29, 1921. ALPERIN, STRAUSS & CO., New York, N. Y. Renewed March 29, 1941, to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

141,072. **PENROD.** DRESS, NEGLIGÉE, AND WORK SHIRTS, PAJAMAS, COLLARS AND CUFFS, MEN'S FLAT UNDERWEAR. Registered April 12, 1921. ALPERIN, STRAUSS & CO., New York, N. Y. Renewed April 12, 1941, to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

142,138. **LA TROMPETTE.** CERTAIN KNIVES AND CARVING SETS, SCISSORS, RAZORS, AND PRUNING-SHEARS. Registered May 3, 1921. SOCIÉTÉ ANONYME DES ANCIENS ETABLISSEMENTS SABATIER PÈRE ET FILS. Renewed May 3, 1941, to Societe Anonyme France-Exportation, Thiers, France, a corporation of France, assignee.

142,233. **IRISH FLAX.** THREADS AND YARNS. Registered May 10, 1921. J. E. BARBOUR COMPANY, Paterson, N. J. Renewed May 10, 1941, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachuetts, assignee.

142,234. **BULLDOG.** THREADS AND YARNS. Registered May 10, 1921. J. E. BARBOUR COMPANY, Paterson, N. J. Renewed May 10, 1941, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachuetts, assignee.

142,542. **TROPIC.** CANNED, FRESH, AND DRIED FRUITS—NAMELY, DATES, RAISINS, AND CANNED, FRESH, AND DRIED FIGS. Registered May 17, 1921. GARCIA & MAGGINI CO., San Francisco, Fresno, Watsonville, Sebastopol, Santa Rosa, Forestville, and Healdsburg, Calif. Renewed May 17, 1941, to Albert Asher, doing business as Albert Asher Co., San Francisco, Calif., successor.

142,575. **USACOTTONS.** COTTON GOODS IN THE PIECE. Registered May 17, 1921. HUDSON & BOAS. Renewed May 17, 1941, to Charles Boas, New York, N. Y., successor.

142,627. **MURCO.** READY-MIXED PAINTS, COLORED VARNISHES, POLISHING-OIL, OIL-COLORS, AND JAPAN-COLORS. Registered May 17, 1921. E. J. MURPHY CO., INC., Washington, D. C., a corporation of the District of Columbia. Renewed May 17, 1941.

142,721. **IMP.** SOAPS AND CLEANSERS. Registered May 17, 1921. THE RATH MANUFACTURING COMPANY. Renewed May 17, 1941, to Julius Halpern, doing business as Imperial Products Co., Philadelphia, Pa., successor.

142,927. **4.** LINIMENT USED IN THE TREATMENT OF SPRAINS, BRUISES, GLANDULAR SWELLINGS, AND SIMILAR AFFECTIONS. Registered May 24, 1921. ESTELLA BALDWIN, Huntington, N. Y. Renewed May 24, 1941.

142,938. **KEE-PAK.** CANNED SARDINES. Registered May 24, 1921. BOOTH FISHERIES SARDINE COMPANY. Renewed May 24, 1941, to Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware, successor.

143,226. **A A.** RUBBER-COVERED WIRE FOR ELECTRICAL PURPOSES. Registered May 24, 1921. A A WIRE CO., INC., Newark, N. J. Renewed May 24, 1941, to General Cable Corporation, New York, N. Y., a corporation of New Jersey, assignee.

143,386. **GONACRINE.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered May 31, 1921. LES ETABLISSEMENTS POULENC FRÈRES SOCIÉTÉ ANONYME. Renewed May 31, 1941, to Société des Usines Chimiques Rhone-Poulenc, Paris, France, a société anonyme of France, assignee.

143,435. **VITAPLASTIC.** CERTAIN NAMED GLAZING, ROOFING, AND CALKING AND WATERPROOFING COMPOUNDS. Registered May 31, 1921. THE QUALITY BRANDS COMPANY, Cleveland, Ohio. Renewed May 31, 1941, to Lehman Bros. Corp., Jersey City, N. J., a corporation of New Jersey, successor.

143,580. **BRAG.** WHEAT AND CORN PRODUCTS—NAMELY, WHEAT-FLOUR AND CORNMEAL. Registered June 7, 1921. DAHNKE-WALKER MILLING CO., Union City, Tenn. Renewed June 7, 1941, to Lem Motlow, Lynchburg, Tenn., assignee by mesne assignments.

143,622. **SALUTE.** FRUIT FILLINGS, MINCE-MEAT, APPLE AND CORN-SYRUP JELLY, APRICOT, FIG, AND RASPBERRY JAM. Registered June 7, 1921. GOLDMEYER, THIEL & ARNOLD. Renewed June 7, 1941, to Goldmeyer & Arnold, Inc., New York, N. Y., a corporation of New York, assignee.

143,702. **JAMA-GOWN.** SLEEPING-GARMENTS. Registered June 7, 1921. OPPENHEIM, OBERNDORF & CO. INC., Baltimore, Md. Renewed June 7, 1941, to The B. V. D. Corporation, New York, N. Y., a corporation of Delaware, successor.

143,703. **NIGHTY-JAMA.** SLEEPING-GARMENTS. Registered June 7, 1921. OPPENHEIM, OBERNDORF & CO. INC., Baltimore, Md. Renewed June 7, 1941, to The B. V. D. Corporation, New York, N. Y., a corporation of Delaware, successor.

143,741. **REPRESENTATION OF A FOUNTAIN.** MINERAL WATERS. Registered June 7, 1921. SCHWEPPES, LIMITED. Renewed June 7, 1941, to Schweppes (Colonial & Foreign) Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

143,742. **ROUGH AND READY.** COTTON PIECE GOODS—NAMELY, ROMPER-CLOTH. Registered June 7, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed June 7, 1941.

143,743. **PILGRIM.** SWEATER-COATS. Registered June 7, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed June 7, 1941.

144,052. **PLAISANCE.** COTTON BATISTE IN THE PIECE. Registered June 21, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York Renewed June 21, 1941.

144,235. **EAGLE.** TOY BALLOONS. Registered June 28, 1921. THE EAGLE RUBBER CO. Renewed June 28, 1941, to Eagle Rubber Co., Inc., Ashland, Ohio, a corporation of Delaware, successor.

144,385. **REPRESENTATION OF THE GLOBE.** LINEN, COTTON, AND OTHER FABRIC ENDLESS BELTS. Registered July 5, 1921. ENDLESS BELT CORPORATION, INC., New York, N. Y. Renewed July 5, 1941, to Endless Belt Corporation, Pisgah Forest, N. C., a corporation of North Carolina, assignee.

144,386. **REPRESENTATION OF THE GLOBE.** LINEN, COTTON, AND OTHER FABRIC BELTS. Registered July 5, 1921. ENDLESS BELT CORPORATION, INC., New York, N. Y. Renewed July 5, 1941, to Endless Belt Corporation, Pisgah Forest, N. C., a corporation of North Carolina, assignee.

144,394. **W F.** CHAINS FOR PERSONAL ADORNMENT WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL. Registered July 5, 1921. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Renewed July 5, 1941.

144,921. **SCHWEPPES.** MINERAL WATERS. Registered July 19, 1921. SCHWEPPES, LIMITED. Renewed July 19, 1941, to Schweppes (Colonial & Foreign) Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

145,352. **EBCO.** LINEN, COTTON, AND OTHER FABRIC BELTS. Registered August 2, 1921. ENDLESS BELT CORPORATION, INC., New York, N. Y. Renewed August 2, 1941, to Endless Belt Corporation, Pisgah Forest, N. C., a corporation of North Carolina, assignee.

145,399. **LE LAITIER-MILKBOY.** CHEESE. Registered August 2, 1921. LEMANN & CIE., Langnau, Berne, Switzerland, a firm. Renewed August 2, 1941.

145,926. **STERIL-SEAL.** EGGS. Registered August 23, 1921. CARL AHLERS. Renewed August 23, 1941, to Carl Ahlers Inc., New York, N. Y., a corporation of New York, assignee.

146,144. **ESTEROL.** CERTAIN NAMED MEDICINES. Registered August 30, 1921. FREDERICK STEARNS & CO., Detroit, Mich., a corporation of Michigan. Renewed August 30, 1941.

146,145. **SADIRA.** PERFUMES, TOILET WATERS, AND FACE-POWDERS. Registered August 30, 1921. FREDERICK STEARNS & CO., Detroit, Mich., a corporation of Michigan. Renewed August 30, 1941.

146,712. **BLUE CREST.** CERTAIN ARTICLES OF CLOTHING. Registered September 20, 1921. COMMERCIAL TRADING CO., INC., Boston, Mass., a corporation of Massachusetts. Renewed September 20, 1941.

146,713. **GOLD CREST.** CERTAIN ARTICLES OF CLOTHING. Registered September 20, 1921. COMMERCIAL TRADING CO., INC., Boston, Mass., a corporation of Massachusetts. Renewed September 20, 1941.

146,714. **RED CREST.** CERTAIN ARTICLES OF CLOTHING. Registered September 20, 1921. COMMERCIAL TRADING CO., INC., Boston, Mass., a corporation of Massachusetts. Renewed September 20, 1941.

146,715. **GREEN CREST.** CERTAIN ARTICLES OF CLOTHING. Registered September 20, 1921. COMMERCIAL TRADING CO., INC., Boston, Mass., a corporation of Massachusetts. Renewed September 20, 1941.

146,733. **ESCOFFIER.** MAYONNAISE; CATSUP; FOOD OILS; PICKLES; VINEGAR; CANNED SOUPS, MEATS, FRUITS, AND VEGETABLES. Registered September 20, 1921. ESCOFFIER LIMITED, London, England, an incorporated company of Great Britain. Renewed September 20, 1941.

147,069. **THE OLD AMERICAN.** READY-MIXED PAINTS. Registered October 4, 1921. AMERICAN ASPHALT ROOF CORPORATION, Kansas City, Mo., a corporation of Missouri. Renewed October 4, 1941.

147,158. **MISS SAYLOR'S.** CANDY. Registered October 4, 1921. MISS SAYLOR'S CHOCOLATES, INC., Alameda, Calif., a corporation of California. Renewed October 4, 1941.

147,346. **KWIX.** SOAP AND PREPARATION IN THE NATURE OF SOAP. Registered October 11, 1921. KWIX COMPANY, Boston, Mass. Renewed October 11, 1941, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

147,363. **OLD HICKORY.** RUSTIC CHAIRS, STOOLS, SETTEES, LOUNGES, TABLES, SWINGS, HAT-TREES, UMBRELLA-STANDS. Registered October 11, 1921. THE OLD HICKORY COMPANY. Renewed October 11, 1941, to Old Hickory Furniture Company, Martinsville, Ind., a corporation of Delaware, assignee.

147,427. **REPRESENTATION OF THE STATUE OF LIBERTY.** CERTAIN NAMED NOTIONS, SUCH AS GARMENT-FASTENERS, PINS, COLLAR-BUTTONS, ETC. Registered October 11, 1921. WALDES & Co., Prague, Bohemia. Renewed October 11, 1941, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

147,598. **THERM ESTATE.** THERMOSTATICALLY-OPERATED VALVES. Registered October 25, 1921. THE ESTATE STOVE COMPANY, Hamilton, Ohio, a corportion of Ohio. Renewed October 25, 1941.

147,621. **TASTE-TELLS.** MAYONNAISE, MINCE-MEAT, AND SALTED PEANUTS. Registered October 25, 1921. HEINTZ, MERKLE & COMPANY. Renewed October 25, 1941, to P. Herold & Sons, Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

147,658. **FAULKNER.** CERTAIN NAMED PIECE GOODS AND BLANKETS. Registered October 25, 1921. NORTH BILLERICA CO., North Billerica, Mass., a corporation of Massachusetts. Renewed October 25, 1941.

147,709. **UNIVERSAL.** MILKING-MACHINES, INCLUDING PARTS AND APPURTENANCES THEREOF, PULSATORS, TEAT-CUPS, RECEIVERS, AND PUMPS. Registered October 25, 1921. THE UNIVERSAL MILKING MACHINE COMPANY, Columbus, Ohio. Renewed October 25, 1941, to The Universal Milking Machine Company, Waukesha, Wis., a corporation of Wisconsin, assignee.

147,748. **TANSUL.** MATERIAL FOR CHILL-PROOFING AND STABILIZING BEVERAGES. Registered November 1, 1921. AMERICAN TANSUL COMPANY, San Francisco, Calif., a corporation of California. Renewed November 1, 1941.

147,911. **BALFOSTEEL.** STEEL BARS. Registered November 8, 1921. THE ARTHUR BALFOUR STEEL CO., INC., Wilmington, Del., and Boston, Mass. Renewed November 8, 1941, to Arthur Balfour & Co. Limited, Sheffield, England, a British corporation, successor.

147,948. **CANNON.** FABRIC TOWELS. Registered November 8, 1921. CANNON MFG., CO. Renewed November 8, 1941, to Cannon Mills Company, Kannapolis, N. C., a corporation of North Carolina, successor.

147,966. **ARROW.** HANDKERCHIEFS. Registered November 8, 1921. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed November 8, 1941.

147,992. **FRAMERS'.** PENCILS. Registered November 8, 1921. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed November 8, 1941.

148,012. **TWO IN ONE.** COTTON BED-BLANKETS. Registered November 8, 1921. THE ESMOND MILLS. Renewed November 8, 1941, to The Esmond Mills, Inc., Esmond, R. I., a corporation of Rhode Island, assignee.

148,033. **FLEUR DU JOUR.** CERTAIN TOILET PREPARATIONS. Registered November 8, 1921. HENRIETTE GABILLA, Paris, France. Renewed November 8, 1941, to Chartre Manufacturing & Importing Co. Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

148,182. **NEW JERSEY ZINC CO.** PAINT-PIGMENTS, AND PARTICULARLY ZINC OXID, LEADED ZINC OXID, OCHER, AND LITHOPONE. Registered November 8, 1921. THE NEW JERSEY ZINC COMPANY, New York, N. Y., a corporation of New Jersey. Renewed November 8, 1941.

148,183. **NEW JERSEY ZINC CO.** ZINC OXID USED IN THE MANUFACTURE OF INKS. Registered November 8, 1921. THE NEW JERSEY ZINC COMPANY, New York, N. Y., a corporation of New Jersey. Renewed November 8, 1941.

148,184. **NEW JERSEY ZINC CO.** CERTAIN NAMED CHEMICAL PREPARATIONS. Registered November 8, 1921. THE NEW JERSEY ZINC COMPANY, New York, N. Y., a corporation of New Jersey. Renewed November 8, 1941.

148,185. **NEW JERSEY ZINC CO.** ZINC IN CERTAIN FORMS. Registered November 8, 1921. THE NEW JERSEY ZINC COMPANY, New York, N. Y., a corporation of New Jersey. Renewed November 8, 1941.

148,229. **RED DIAMOND.** KNITTED AND TEXTILE UNDERWEAR AND HOSIERY. Registered November 8, 1921. ROBERT REIS & Co., New York, N. Y., a corporation of New York. Renewed November 8, 1941.

148,232. **THE RED BOOK.** TELEPHONE-DIRECTORIES PUBLISHED SEMIYEARLY. Registered November 8, 1921. THE REUBEN H. DONNELLEY CORPORATION, Chicago, Ill., a corporation of Illinois. Renewed November 8, 1941.

148,250. **FIDELITY.** CERTAIN NAMED MEDICINAL, CHEMICAL, AND PHARMACEUTICAL PREPARATIONS. Registered November 8, 1921. SAN ANTONIO DRUG COMPANY, San Antonio, Tex., a corporation of Texas. Renewed November 8, 1941.

148,271. **ARTSHEL.** OPHTHALMIC MOUNTINGS AND PARTS THEREOF. Registered November 8, 1921. STEVENS & COMPANY, INC., Providence, R. I. Renewed November 8, 1941, to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York, assignee.

148,277. **ICE-MINT.** A COOLING, SOOTHING, ANTISEPTIC PREPARATION FOR EXTERNAL USE. Registered November 8, 1921. AMBROSE S. SWEET, Elmira, N. Y. Renewed November 8, 1941, to Foster-Milburn Company, Buffalo, N. Y., a corporation of New York, assignee by mesne assignments.

148,304. **KOH-I-NOOR.** CERTAIN NAMED NOTIONS, SUCH AS GARMENT-FASTENERS, NEEDLES, PINS. Registered November 8, 1921. WALDES & Co. INC., as assignee of Waldes & Co., Prague, Bohemia. Renewed November 8, 1941, to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York, assignee by mesne assignments.

148,306. **WAXIDE.** WAX-PAPER. Registered November 8, 1921. WAXIDE PAPER COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed November 8, 1941.

148,515. **HANSA.** BOUILLON CUBES, VEGETABLE AND BEEF EXTRACTS IN SOLID AND FLUID FORM, AND MAYONNAISE SALAD-DRESSING. Registered November 15, 1921. PURE FOOD FACTORY "HANSA," Mamaroneck, N. Y., a corporation of New York. Renewed November 15, 1941.

148,534. **SMOOTH-ON.** SUBSTANCES CHIEFLY COMPOSED OF COMMINUTED IRON IN POWDER AND PLASTIC FORM FOR CERTAIN PURPOSES. Registered November 15, 1921. SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed November 15, 1941.

148,540. **RED DEVIL.** INSECTICIDES—NAMELY, ROACH, BEDBUD, AND ANT DESTROYERS. Registered November 15, 1921. ST. LOUIS INSECTICIDE AND SPECIALTY CO. Renewed November 15, 1941, to St. Louis Insecticide Company, St. Louis, Mo., a corporation of Missouri assignee by mesne assignments.

148,541. **RED DEVIL.** INSECTICIDES—NAMELY, ROACH, BEDBUD, AND ANT DESTROYERS. Registered November 15, 1921. ST. LOUIS INSECTICIDE AND SPECIALTY CO. Renewed November 15, 1941, to St. Louis Insecticide Company, St. Louis, Mo., a corporation of Missouri assignee by mesne assignments.

REISSUES

JULY 15, 1941

21,852

FLEXIBLE COATED ABRASIVE PRODUCT

Harry Q. Anderson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Original No. 2,123,581, dated July 12, 1938, Serial No. 96,205, August 15, 1936. Application for reissue May 11, 1939, Serial No. 273,149

4 Claims. (Cl. 51—185)



1. A coated abrasive product comprising warp and weft woven into an open mesh leno weave cloth, an adhesive, and a quantity of abrasive grain some of which is smaller in diameter than the diameter of the weft, the abrasive grain being stuck to the leno cloth by the adhesive on at least one surface of the leno cloth and some of the abrasive grain being stuck to the warp and weft and being between the surfaces of the leno cloth, substantially all of the grain projecting from the adhesive and being free from adhesive on its outside portions away from the warp and weft respectively.

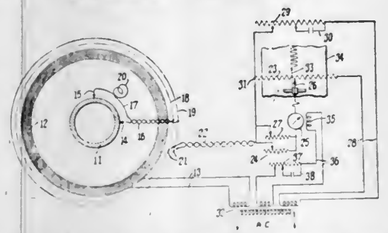
21,853

METHOD AND APPARATUS FOR MEASURING ECCENTRICITY IN TUBULAR CONDUCTORS

Ralph W. Atkinson, Westfield, N. J., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey

Original No. 2,200,827, dated May 14, 1940, Serial No. 715,036, March 10,1934. Application for reissue May 10, 1941, Serial No. 392,988

36 Claims. (Cl. 175—183)



1. Apparatus for measuring variation in the thickness of a tubular conductor comprising, in combination, means for causing an electric current to flow circumferentially in the conductor, two contacts for engaging the conductor at points spaced circumferentially about the conductor, an external circuit including means for balancing the voltage between the spaced contacts on the conductor surface with a voltage 180 degrees out of phase, means for causing relative movement between the conductor and the spaced contacts, and means operating automatically in response to any voltage unbalance in the external circuit caused by variation in the resistance of the conductor between the contacts as the contacts move over the conductor surface to adjust the voltage balancing means and restore the voltage balance in the external circuit.

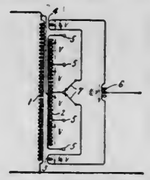
21,854

TRANSFORMER TAP CHANGING CIRCUIT

Ralph B. Carson, Toronto, Ontario, Canada, assignor to General Electric Company, a corporation of New York

Original No. 2,188,173, dated January 23, 1940, Serial No. 255,952, February 11, 1939. Application for reissue April 22, 1941, Serial No. 389,820

4 Claims. (Cl. 171—119)



1. In combination, a transformer provided with a winding having a plurality of spaced taps between any electrically adjacent pair of which there is the same potential difference, a mid-tapped reactor, switching means for selectively connecting the ends of said reactor to the same or different ones of said taps, and means for inserting between each end of said reactor and said switching means separate potentials equal respectively to one-quarter of the potential between said taps, the relative polarities of said separate potentials being such that the potential of said reactor is one-half the potential between said taps regardless of whether said switching means connects the ends of said reactor to the same or to adjacent taps.

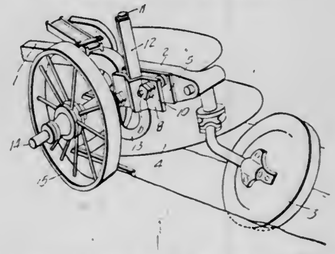
21,855

PLOW ATTACHMENT

Otto Fleck, Botha, Alberta, Canada

Original No. 2,182,020, dated December 5, 1939, Serial No. 250,058, January 9, 1939. Application for reissue September 3, 1940, Serial No. 355,275

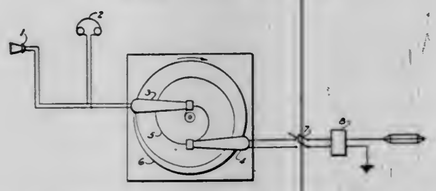
3 Claims. (Cl. 97—189)



1. In combination with a gang or disc plow structure having a plurality of plowing elements mounted thereon, a vertical shank having means to clamp the same to the plow structure, a horizontal axle extending from the shank, a land wheel mounted thereon to travel on the unplowed land adjacent the furrow, said clamp means consisting of a V shaped vertical plate secured to the vertical shank, a plate having a V shaped groove in which the said plate fits and securing

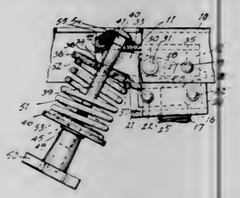
bolts extending through the plate at each side of the groove into the plow structure, substantially as set forth.

21,856
SOUND RECORDING AND REPRODUCING APPARATUS
Harry C. Grant, Jr., New York, N. Y.
Original No. 2,201,614, dated May 21, 1940, Serial No. 251,085, January 16, 1939. Application for reissue November 13, 1940, Serial No. 365,557
6 Claims. (Cl. 179—100.4)



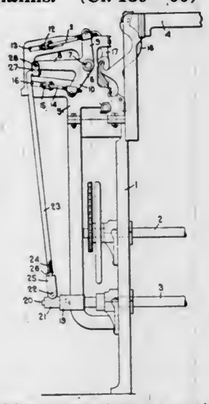
1. In a sound recording and reproducing apparatus the combination with sound recording and sound reproducing circuits of means for reproducing a portion of the sound record at a predetermined time interval after the recording thereof, listening means in the recording circuit to enable a supervising operator to listen to the sounds being recorded, and means in the reproducing circuit to enable the supervising operator to open the same to cut off the reproduction of objectionable sounds detected by the listening means before such objectionable sounds have been reproduced.

21,857
CHAIR IRON
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Original No. 2,106,174, dated January 25, 1938, Serial No. 84,837, June 12, 1936. Application for reissue July 15, 1939, Serial No. 284,752
11 Claims. (Cl. 155—77)



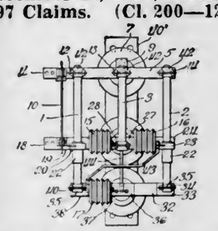
1. In a chair iron structure, a supporting post, a frame rigidly mounted on said post, a pair of spider arms, a spanner member rigidly connecting said spider arms in spaced relation, said spanner member having a slot, an apertured rubber block disposed at the upper side of said spanner member, its aperture registering with said slot, joint means connecting said spider arms and spanner member to said frame for tilting movement about a horizontal axis, an apertured resilient element supporting head rigidly connected to said frame, a rod extending through said slot of said spanner member and the aperture of said block and extending through said apertured head, a head on said rod resiliently supported by said rubber block, a resilient element supporting base adjustably mounted on said rod in spaced relation to said apertured supporting head, and resilient means disposed about said rod between said apertured head and said base.

21,858
LOOM DOBBY
Verner Lindsjo, Stockholm, Sweden, assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Original No. 1,853,985, dated April 12, 1932, Serial No. 513,589, February 5, 1931. Application for reissue February 8, 1941, Serial No. 378,786
6 Claims. (Cl. 139—66)



1. A loom dobby comprising a pair of sliding harness frame jack-operating knives, a three-armed lever fulcrumed midway the planes of movement of the knives to swing in a plane transversely of the knives, a crank, a link connecting the crank and the center arm of the lever, and links connecting the other arms of the lever respectively to the knives, in which angular relation of the knife-operating arms to the center arm of the lever, the angular relation of the paths of the knives, the length of travel of the knives required to operate the jacks and the length of the knife-operating arms are correlated to cause the knives to bring the jacks to their mid positions when the crank is at either mid point of its arc of movement between its extreme jack-moving positions.

21,859
METHOD OF AND MEANS FOR AUTOMATICALLY OPENING AND RECLOSING A CIRCUIT
Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Original No. 2,087,744, dated July 20, 1937, Serial No. 694,584, October 21, 1933. Application for reissue December 15, 1937, Serial No. 181,142
97 Claims. (Cl. 200—126)



1. In a device of the class described, a terminal for an incoming line conductor, a terminal for an outgoing line conductor, a fuse device connected at one end to one of said terminals; an interrupting and reclosing device comprising three stationary contact terminals, the first contact terminal being connected to one of said line terminals, the second contact terminal being connected to said other line terminal, and the third contact terminal being connected to the other end of said fuse device and insulated from said second contact terminal; said interrupting and reclosing device including a circuit interrupter between said first and second contact terminals, said circuit closer and circuit interrupter comprising a common movable element for successively operating the circuit interrupter to open the connection between said line terminals and then the circuit closer to connect said fuse device between said line terminals.

PATENTS

GRANTED JULY 15, 1941

2,248,918
SLIDE LOOP

Carl E. Anderson, Bloomfield, N. J., and George H. Elwell, New Haven, Conn., assignors to Eastern Tool and Manufacturing Company, Bloomfield, N. J., a corporation

Application November 23, 1940, Serial No. 366,890
4 Claims. (Cl. 24—188)



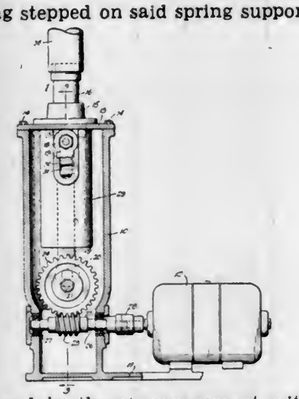
2. A slide loop comprising a wire button loop having a face; a strap-receiving suspension loop having an upper bar and lower aligned bars with which the button loop is provided; a ferrule substantially enclosing and movably connecting the lower aligned bars; a sheet-metal member hinged to said upper bar; a strap-receiving loop rigidly carried by said member and adapted to be superimposed positioned over the face of the strap-receiving suspension loop and to be openly erected therefrom to provide a pair of loops in a common plane; toothed strap-gripping elements of varied radial reach and rigidly carried by, and divergently extending from, the axis line of the hinge portion of said member and adapted to be swung upon the erection of the folded loops from the rear of said face into the suspension loop for projection from said face, the binding element of the greater radial reach passing in close proximity to said ferrule; and a stop-lift also rigidly carried by said hinged member for an arresting engagement with the ferrule at the rear of said face upon the full erection of said loops; whereby a strap upon a single insertion may be made to enter the folded loops and, by their said full erection, to be carried automatically to a fully threaded relation therewith behind the upper bar, over the face of the intermediate hinged bar with its projection and behind the aligned lower bars, the binding element of the greater radial reach in its engagement with the threaded strap being manually urged past the ferrule in strap-binding engagement therewith against accidental return movement, and all farther advance movement arrested by the engagement of the stop-lift with the rear of the strap covered ferrule.

2,248,919
JACK

Edmund Aron, Chicago, Ill., assignor to Moto-Sway Corporation of America, a corporation of Illinois

Application August 28, 1939, Serial No. 292,179
3 Claims. (Cl. 74—592)

1. In a jack of the class described, the combination with a casing having a cap, and a vertical plunger extending through and guided by said cap, of a spring support depending from said cap, a cross-head extending across said spring support and secured to said plunger, an electric motor and a power transmission means from said motor to said cross-head for reciprocating the latter, and a tensioned coil spring having a force when fully tensioned approximately equal to the gravity force of the load raised by the jack, said spring being stepped on said spring support with

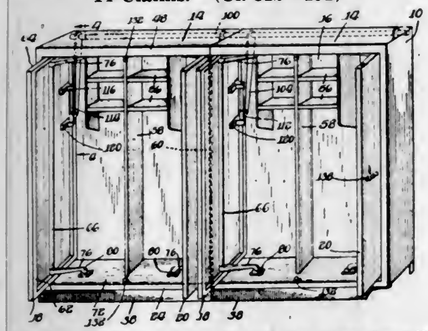


its upper end in thrust engagement with said cross-head.

2,248,920
CABINET STRUCTURE

James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois

Application January 11, 1938, Serial No. 184,428
14 Claims. (Cl. 312—191)



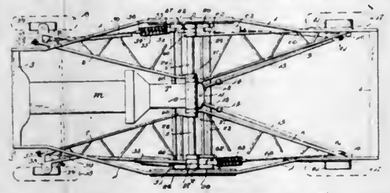
13. In a cabinet structure of the class described having doorway means, doors for said doorway means, said doors being mounted on tracks for movement to closed position with respect to the doorways or to open position within the cabinet, a control bar mounted to rotate on a horizontal axis, control arms mounted on said bar for arcuate movement therewith in a single plane, and means on said doors operatively connecting said arms and said doors for controlling operation of the doors in accordance with the actuation of the bar.

2,248,921
AUTOMOBILE CHASSIS

James E. Casner, Alpine, Tex.

Application September 25, 1939, Serial No. 296,484
15 Claims. (Cl. 280—106.5)

1. In a vehicle chassis, a frame, a substantially centrally positioned frame mounting unit comprising a plurality of transverse shafts, one of said shafts being a main transverse shaft and another an auxiliary shaft, hanger members supporting said shafts in horizontal spaced relation, running gear comprising independent wheel suspension units each having a pivotal connection with said main transverse shaft and means

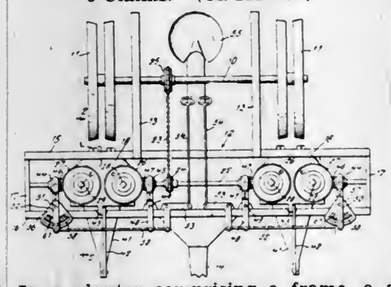


associated with said auxiliary shaft resisting movement thereof from normal position, and means carried by said hanger members supporting said frame in operative relation to said running gear.

2,248,922
PLANTING MACHINE

Elmer A. Doubet, Hanna City, Ill.

Application June 10, 1940, Serial No. 339,656
6 Claims. (Cl. 111—35)



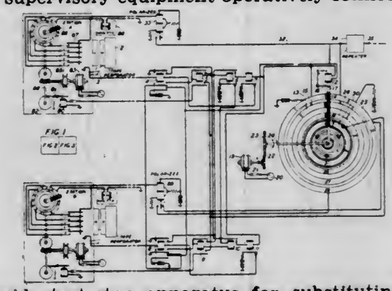
1. In a planter comprising a frame, a shaft supported in said frame and having traction wheels rigid thereon, a pair of spaced seed boxes rotatably mounted on said frame, each of said boxes having an opening through the bottom thereof off-set from the center, horizontal bevel gears mounted on said frame and each having one of said boxes rigidly secured thereto to rotate synchronously therewith, each of said gears having an opening therethrough in alignment with said box opening, said frame having two openings therethrough, one for each of said boxes, each of said frame openings being positioned in the orbit of its adjacent box opening, a shaft rotatably mounted in said frame, means connecting said first-named and second-named shafts for rotating the latter upon rotation of said wheels, bevel pinions loosely mounted on said second-named shaft, said second-named shaft being square in cross-section and said bevel pinions having square openings therethrough through which said shaft passes, and means for alternately engaging one of said pinions with one of said gears and simultaneously disengaging the other of said pinions from the other of said gears.

2,248,923
COMMUNICATION SYSTEM

Frank Harold Hanley, Butler, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application May 9, 1939, Serial No. 272,675
7 Claims. (Cl. 178—53.1)

1. A telegraph system comprising a main line, start-stop apparatus connected to each end of said main line, extension lines connected to said start-stop apparatus each having means to transmit stop-start and permutation code impulses and supervisory equipment operatively connected

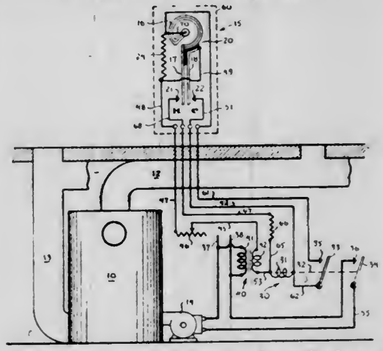


to said start-stop apparatus for substituting a different character signal for identifying the active extension line with each series of impulses received over said extension lines in place of the start and stop impulses from said extension lines.

2,248,924
TEMPERATURE CONTROL SYSTEM

Gifford I. Holmes, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 14, 1938, Serial No. 240,226
12 Claims. (Cl. 236—68)



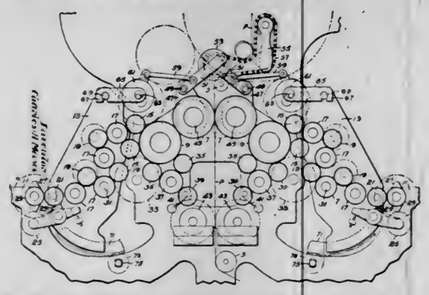
1. In a system of the class described. a space temperature changing means, temperature responsive means in control of said temperature changing means and including a member movable between a pair of spaced contacts in response to changes in temperature affecting said temperature responsive means, means responsive to engagement of said member with one of said spaced contacts for increasing the temperature changing effect of said temperature changing means, means for maintaining the temperature changing means in said condition until said movable member moves into engagement with the other of said contacts, means responsive to engagement of said member with the other of said contacts to decrease the temperature changing effect of said temperature changing means, local temperature changing means adjacent said temperature responsive means to cause the temperature responsive means to respond to a temperature different from the ambient temperature when said local temperature changing means is energized, means responsive to movement of said member out of engagement with one of said contacts to energize said local temperature changing means, and

means to continue the energization of said local temperature changing means upon movement of said member into engagement with the other of said contacts and to interrupt such energization when said member moves out of such engagement.

2,248,925
LUBRICATING OIL
Bert H. Lincoln and Waldo L. Steiner, Ponca City, and Alfred Henriksen, deceased, late of Ponca City, Okla., by John W. Wolfe, administrator, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application March 29, 1939, Serial No. 264,848
10 Claims. (Cl. 252—51)

1. A lubricating composition comprising a major proportion of lubricating oil and a minor amount of a halogen-bearing aromatic amine.

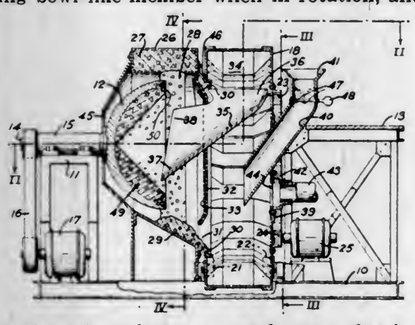
2,248,926
PRINTING PRESS
Charles A. Meisel, Milton, Mass., assignor to Meisel Press Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application January 3, 1940, Serial No. 312,233
9 Claims. (Cl. 101—247)



1. In a printing press a printing mechanism proper including a form cylinder, an ink fountain, an intermediate frame including inking rolls to cooperate with the form cylinder, a roll normally receiving ink from the fountain and intermediate rolls for working the ink and delivering it from said roll receiving the same to said inking rolls, means for moving the frame to separate the inking rolls from the form and the ink-receiving roll from the fountain, and means for continuously driving the rolls on said frame irrespective of the position of the latter.

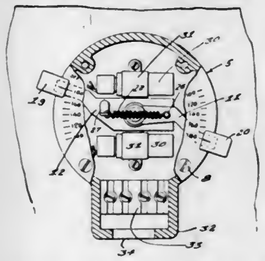
2,248,927
ORE REDUCTION MILL
George Foye Ainsa, San Francisco, Calif., assignor of one-third to Dolores C. Ainsa and one-third to Eugene de Reynier, Berkeley, Calif.
Application April 11, 1938, Serial No. 201,232
3 Claims. (Cl. 83—46)

1. In a reduction mill of the character described, the combination of a bowl-like centrifugally operating agglomerate receiving member disposed to rotate about a horizontal axis and having a single open end disposed in a vertical plane, a stationary agglomerate intercepting member disposed outwardly in spaced relation and in the plane of the open end of said centrifugally operating bowl-like member, said stationary agglomerate intercepting member being in the form of a hollow arch forming a cavity that bridges over and extends downwardly along each side of said bowl-like member and terminates in a chute-like discharge outlet, a rotatable drum-like housing disposed adjacent said stationary agglomerate intercepting member adapted to receive agglomerate as it falls from said member, an agglomerate directing chute for directing agglomerate into said centrifugally operating bowl-like member when in rotation, and a



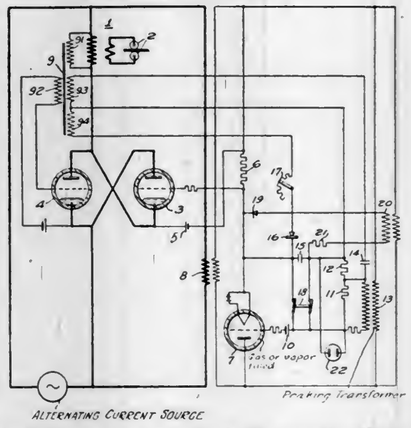
plurality of pockets arranged upon the inner peripheral surface of said rotatable drum-like housing adapted to return the agglomerate collected by said drum-like housing back to said chute, whereby the unreduced agglomerate thrown from said bowl-like member and discharged from said agglomerate intercepting member will be recirculated to said centrifugally operating bowl-like member until it is reduced to a desired fineness.

2,248,928
THERMOSTATIC CUTOFF ELECTRIC SWITCH
John F. Adams, Jacksonville, Fla., assignor of one-half to W. K. Drake, Jacksonville, Fla.
Application August 28, 1940, Serial No. 354,605
3 Claims. (Cl. 200—139)



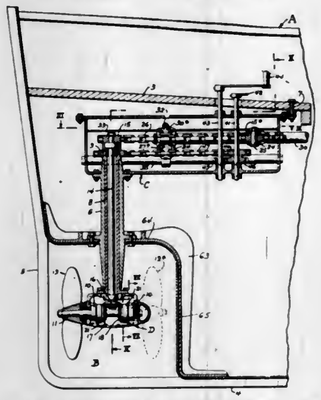
1. In a switch of the character described, a casing, means for connecting said casing to a liquid container, a switch arm operable in said casing and extending exteriorly thereof and having off and on positions with a temperature scale therebetween viewable from the exterior of the casing, a setting lever pivotally mounted in said casing with its pivot common to the pivot of said switch lever and extending exteriorly of the casing and movable over a temperature scale visible from the exterior of said casing, a mercury type switch operable by the movement of the switch arm into circuit making and breaking positions, spring means connecting the switch arm to the setting arm, and a thermostat means for moving the switch arm toward off position and without power to return the switch arm toward on position.

2,248,929
WELDING TIMER
Hans Adler, Berlin-Haselhorst, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 14, 1938, Serial No. 245,650
In Germany March 5, 1938
19 Claims. (Cl. 250—27)



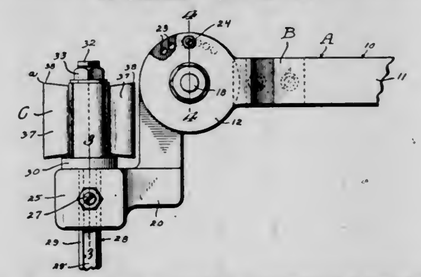
10. For use in controlling the supply of power from a source to a load the combination comprising in effect a first electric discharge valve and a second electric discharge valve interposed between said source and said load, means for arbitrarily rendering said first valve conductive, means for thereafter rendering said second valve and said first valve conductive in succession in response to current flow respectively through said first valve and said second valve and means, including means responsive to current flow through said valves, for restraining said valves from becoming conductive after they have been rendered conductive a predetermined number of times.

2,248,930
BOAT PROPELLING MECHANISM
Clarence W. Allen, San Francisco, Calif.
Application April 11, 1938, Serial No. 201,337
11 Claims. (Cl. 115—24)



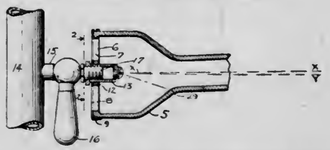
1. A boat propelling mechanism comprising a support, a vertically disposed drive shaft, a sprocket gear journaled in the support at one end thereof, a sprocket gear secured to the drive shaft and disposed adjacent the opposite end of the support, an endless chain carried by said sprocket gears, said chain presenting two reach portions, a pair of reciprocal members in the support, one adjacent each reach of the chain, and a connection between each reciprocal member and the adjacent reach of the chain, whereby the chain may be pulled back and forth, and rotary movement is transmitted to the sprocket and the drive shaft to alternately rotate the shaft in opposite directions.

2,248,931
CUTTING TOOL ASSEMBLY FOR LATHES
James A. Anania, Newark, N. J., assignor of one-half to Adolph J. Gold, West Caldwell Township, Essex County, N. J., and one-tenth to Anthony Colle, Newark, N. J.
Application October 7, 1939, Serial No. 298,498
15 Claims. (Cl. 29—96)



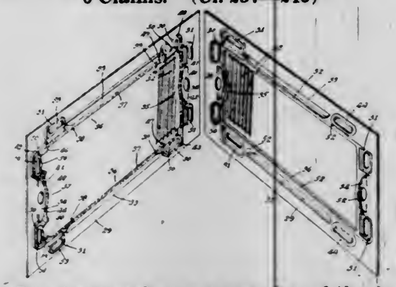
1. A cutter tool assembly comprising a tool bar, a tool support, means adjustably mounting the tool support upon the outer end of the tool bar, a cutter post longitudinally and rotatively adjustable in the tool support, and a multiple cutting head element mounted upon the cutter post and adjustable for selectively disposing the cutting heads in cutting position.

2,248,932
GAS BURNER
Oscar W. Anderson and Claude L. Couch, Denver, Colo.
Application February 24, 1940, Serial No. 320,560
1 Claim. (Cl. 158—118)



A three part orifice cap comprising the combination with a tubular orifice cap having a threaded opening extending inwardly from one end, the other end being provided with an opening of smaller diameter, concentric with the threaded opening and in axial alignment therewith, of an adapter located in the smaller opening, said adapter having a hollow cylindrical portion whose outer surface is smooth and whose diameter is such that it will enter the said opening in the end wall of the cap with a snug fit, the outer end of the adapter having a head of larger diameter than the cylindrical portion, an annular radial wall at the inner end of the head forming a shoulder, a wedge shaped washer positioned on the cylindrical portion between the head and the end of the cap, the cylindrical portion of the adapter having a bend at the outer end of the cap whereby one side of the washer will fit against the end of the cap and the shoulder of the adapter will fit against the other side of the washer, the end of the adapter within the orifice cap being expanded and flanged outwardly to secure the adapter in place.

2,248,933
PLATE HEAT EXCHANGER
William Astle, Chicago, Ill.
Application March 29, 1937, Serial No. 133,621
6 Claims. (Cl. 257—245)



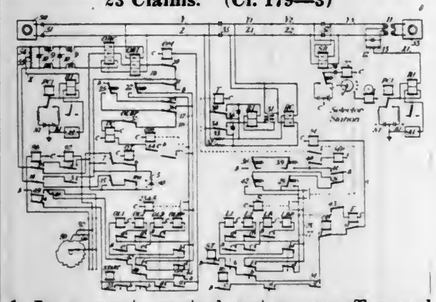
1. In a heat exchange apparatus of the juxtaposed plate type, a substantially rectangular heat exchange plate provided with means on one side thereof for cooperation with an adjacent plate to define a film flow space between said plates and provided with means on the opposite side thereof for cooperation with an adjacent plate to define a film flow space between said plates, said heat exchange plate having transfer port means adjacent all four corners thereof in communication with the flow space on one side of said heat transfer plate and out of communication with the flow space on the opposite side of said plates, said heat exchange plate also having transfer port means adjacent all four corners thereof out of communication with the flow space on said one side of said heat exchange plate and in communication with the flow space on said opposite side of said heat exchange plate, said flow spaces extending between and having opposite edges lying in two spaced parallel planes perpendicular to the plate, four of said port means, one adjacent each corner, lying in the space between said parallel planes and the other four port means lying outside said space.

2,248,934
INFLATABLE CATHETER
John M. Auzin, Warwick, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application December 24, 1937, Serial No. 181,632
11 Claims. (Cl. 18—58)



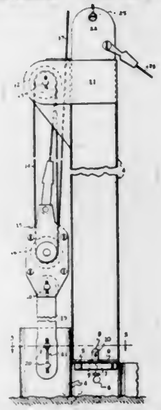
1. In the manufacture of a rubber article having a recess, the steps of forming a deformable rubber base, making indentations in a selected area only of the surface thereof and treating the selected area thereof to prevent adhesion, the area around the selected area being untreated to remain as an adhering area, and forming a rubber coating over the treated area, said rubber coating being integrally joined to the untreated adhering area.

2,248,935
REMOTE CONTROL SYSTEM
George W. Baughman, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 16, 1940, Serial No. 314,125
23 Claims. (Cl. 179—3)



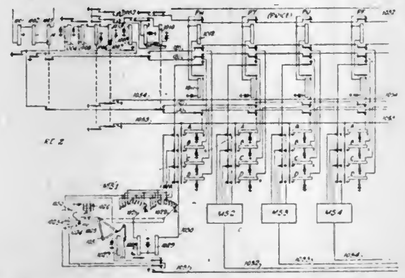
1. In a remote control system, an office and a station connected by two line wires, a normally closed signaling circuit including said line wires and a source of current, line relay means at the office responsive to a substantial increase in current in said line circuit, a code transmitter at said station operable to connect said line wires together at the station to increase the current in said line circuit repeatedly in accordance with a code, and a code receiver at the office governed by said line relay means and selectively responsive to said code.

2,248,936
PILE EXTRACTOR
Walter Behm, Rochester, Mich.
Application October 31, 1938, Serial No. 238,119
8 Claims. (Cl. 254—139)



2. An extractor for pulling arched, channel or trough shaped alternately reversed metal piles, comprising a portable mast, a plate for seating the mast having a downwardly opening groove with bent or curved ends to fit the top of one of said piles, means for securing the plate to the mast in either of two positions differing by a rotation of substantially one hundred and eighty degrees about the axis of the mast, whereby in shifting the mast from one pile to the next pile said plate may be turned to conform to the reversal of said next pile, without turning the mast, and power multiplying pulling mechanism on the mast, attachable to the pile to be extracted.

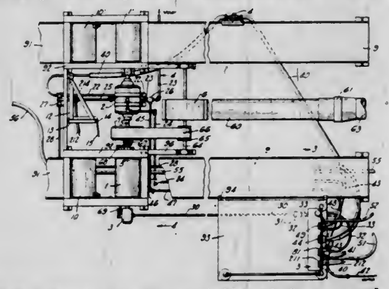
2,248,937
TRANSMITTING AND RECEIVING SYSTEM
John I. Bellamy, Brookfield; Martin L. Nelson, Park Ridge, and Herbert F. Obergfell, River Forest, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 15, 1929, Serial No. 378,208
6 Claims. (Cl. 177—353)



4. In a stock quotation system, a stock quotation transmitter having registering and transmitting apparatus, means effective to operate said registering apparatus to register characters identifying the stock and subsequently registering characters indicating a price thereof, means for operating the sending apparatus of the transmitter to send a code indicative of the price and to subsequently send a code indicative of the stock, a receiver indicating registering apparatus responsive to such codes, one register apparatus in the receiver first responsive to the price code and another register apparatus in the receiver subsequently responsive to the stock code, means for starting the operation of the price registering apparatus in the receiver to perform its function while the stock registering apparatus in the receiver is responding to the stock code, groups of indicators in the receiver, means responsive to the stock code registering apparatus in the receiver for selecting one of such groups of indicators, and means thereafter responsive to the operation of the price code registering apparatus in the receiver for operating the selected group of indicators.

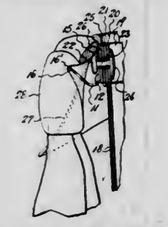
2,248,938
POWER TESTER
Claude C. Bennett, South Bend, Ind., assignor to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington
Original application June 9, 1936, Serial No. 84,273. Divided and this application May 15, 1937, Serial No. 142,888
3 Claims. (Cl. 265—24)

2. In a machine for testing automobiles comprising a dynamometer and means to deliver power thereto from an engine at a speed related in direct ratio to the speed of such engine, a blower having a discharge outlet directed to cool such engine, means to drive said blower from such engine including a driving shaft and a pulley thereon internally chambered to form a liquid reservoir, a gear pump and casing therefor enclosed therein and having inlet ports freely open to the reservoir, and a discharge port opening into the reservoir, the primary gear of said pump being secured on said shaft, valve means to close said discharge port, yieldable means normally holding said valve means closed, and



means responsive to centrifugal force and carried by the pulley to open said valve means in response to increased speed of the pulley thereby to lessen automatically the driving connection between the shaft and pulley and to decrease the ratio of the speed of the blower to the speed of the dynamometer.

2,248,939
NECKTIE STABILIZER
John W. Benson, Brooklyn, N. Y.
Application January 7, 1941, Serial No. 373,422
2 Claims. (Cl. 24—56)

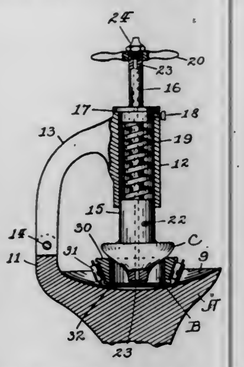


1. A stabilizer device for the purpose described comprising, a body having angularly divergent end sections, and said body having a button passage therethrough from which extends into one section a comparatively narrow vertical button shank receiving slot and from which extends into the other section a button embracing tapered notch, said end sections being selectively usable either as a collar button engaging anchor base or a necktie knot engaging support.

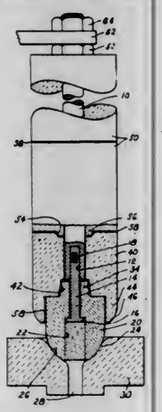
2,248,940
BEARING PACKER
Hans S. Berg, Claremont, Calif.
Application July 3, 1939, Serial No. 282,669
5 Claims. (Cl. 184—1)

1. A bearing assembly lubricating packer, comprising, in combination, a bowl having a shallow inwardly sloping floor, a vertical guide supported by said bowl coaxial therewith, a plunger reciprocable longitudinally in said guide having a stem projecting above the guide and a nozzle on its lower end adapted in its lowered position to engage and close the upper end of the inner ring of a bearing assembly and hold the bearing assembly with its outer spacing ring tightly seated upon said floor, resilient means within said guide for urging the plunger with its nozzle downwardly, said plunger, nozzle and stem being passaged

longitudinally for injecting lubricant under pressure downwardly into the space within the bearing in said bowl, and means cooperating with said stem for raising the nozzle above the bearing in said bowl.

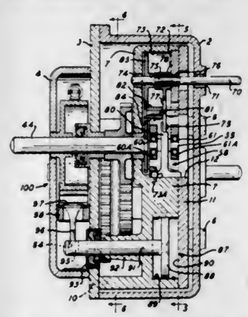


2,248,941
STOPPER ROD ASSEMBLY AND PARTS
John Bidner, Youngstown, and William W. Schofield, Hubbard, Ohio
Application February 4, 1941, Serial No. 377,334
13 Claims. (Cl. 22—85)



1. A stopper rod assembly for metal pouring ladles, and the like, comprising a metal rod, a graphite plug having an axial bore, a bolt for securing the plug to the lower end of the rod, said plug having a counterbore receiving the head of the bolt, a filling of graphite in the counterbore covering the bolt head, said plug having a rounded lower end and an integral, truncated-conical axially-positioned extension of reduced diameter on its upper end, a refractory sleeve on the rod having a complementary recess receiving the plug extension, a skirt on the refractory sleeve extending down around the plug in protective fashion and terminating at a point to completely surround the bolt head, the outer periphery of the lower end of the skirt being formed with a chamfer so that the skirt does not strike the discharge orifice block and interfere with the sealing action of the plug, said sleeve having a diameter at least equal to the skirt, a plurality of additional refractory sleeves mounted on the rod above said first-named sleeve, at least the lowermost of said additional sleeves having a diameter equal to the diameter of the skirted sleeve, and means for securing the sleeves tightly together on the rod and against the plug.

2,248,942
POWER AMPLIFIER
William A. Black, Montclair, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application July 15, 1939, Serial No. 284,644
15 Claims. (Cl. 74—293)



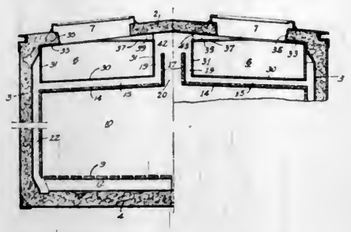
1. A power amplifier comprising, in combination, a high torque mechanism including high power input means and an output shaft, a low torque control shaft for applying an extraneously imposed speed and direction of rotation, and hydraulic means comprising trains interposed between the high power input means and the output shaft and differentially responsive to the difference of rotation of said shafts to compel the high torque output shaft to conform to the speed and direction of rotation of the control shaft.

2,248,943
PROCESS OF PRODUCING COLLOIDAL METAL HYDROXIDES
Rudolph S. Bley, Milligan College, Tenn.
No Drawing. Application April 17, 1939, Serial No. 268,384
8 Claims. (Cl. 23—143)

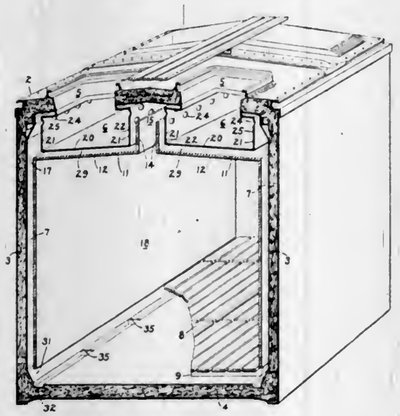
1. The process of producing a colloidal metal hydroxide free from contaminating electrolytes which comprises forming an intimate mixture of an anhydrous inert gas and a metal alkyl and reacting the mixture with water to form a metal hydroxide in colloidal form.

2,248,944
REFRIGERATOR CAR
Charles D. Bonsall, Pittsburgh, Pa., assignor to Standard Railway Refrigerator Company, Chicago, Ill., a corporation of Delaware
Application April 6, 1939, Serial No. 266,383
9 Claims. (Cl. 62—17)

1. In a refrigerator car having a lading compartment and a roof, a refrigerant container below said roof, a hatch in said roof above said container, said container having a bottom, walls and top which are substantially imperforate except for an opening in said top aligned with said hatch for loading refrigerant into said container, a drip pan below said container, a partition upstanding from an edge of said drip pan, means cooperating with said partition to form a duct communicating at its lower end with the upper part of the lading compartment, and a passage providing communication between said hatch and said duct to supply ventilating air to the lading compartment of the car.



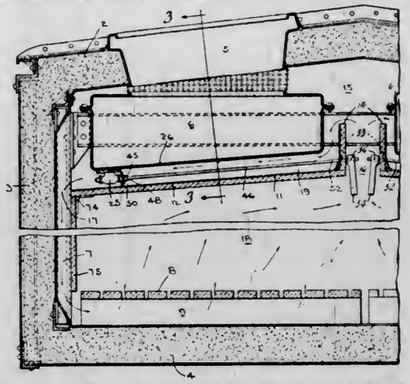
2,248,945
REFRIGERATOR CAR CONSTRUCTION
Charles D. Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware
Application August 21, 1939, Serial No. 291,134
8 Claims. (Cl. 62—17)



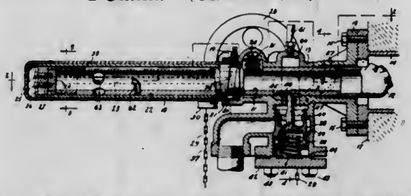
1. In a refrigerator car body, refrigerating means in the upper part of the car body, a longitudinally extending flue associated with a wall of the car body arranged to conduct to the lower part thereof cold liquid from said means and air refrigerated by said means, a longitudinally extending trough associated with the floor of the car body, and an inclined surface below said flue to direct said air and said liquid into said trough thereby further cooling said air.

2,248,946
REFRIGERATOR CAR CONSTRUCTION
Charles D. Bonsall, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware
Application January 8, 1940, Serial No. 312,851
18 Claims. (Cl. 62—17)

1. In a refrigerator car having a flue associated with a vertical wall thereof, a refrigerant container below the roof and adjacent said wall, a drip pan spaced below said container to form a passage which conducts air to said flue, a partition upstanding from said drip pan remote from said wall and means forming a duct for upward flow of warm air adjacent said partition, means for draining liquid from said container into said passage and means operable from said duct for operating said draining means.



2,248,947
SOOT BLOWER
Frank Bowers, Detroit, Mich., assignor to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application March 25, 1938, Serial No. 198,099
1 Claim. (Cl. 122—392)

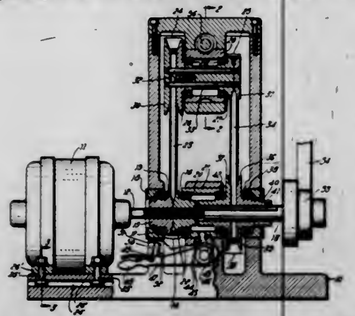


In a fluid heater cleaning apparatus, a blower tube having a nozzle at one end thereof, manual means for traversing said tube axially for projection into and from a fluid heater, and a source of pressure cleaning fluid supply, a valve guarding said source of supply, means for opening said valve to render available said source of supply to said nozzle, and means obstructing the projection of said tube by said manually operable means when the pressure on said source of supply falls below a predetermined value.

2,248,948
VARIABLE SPEED TRANSMISSION
Harold A. Bowers, Mariemont, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application March 6, 1940, Serial No. 322,499
5 Claims. (Cl. 74—230.17)

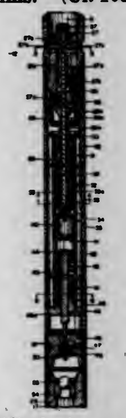
1. A mechanism of the character described comprising in combination a pair of expansible V-pulleys one of which is the driver and the other the driven, a sleeve rotatably supporting the adjacent members of the pulleys, fixed bearings for supporting the remote members of the pulleys, separate spline shafts engaging the members of the respective pulleys, power means for rotating the drive pulley shaft, a final actuator attached to the driven pulley shaft, means to adjust said sleeve axially to expand one pulley and to contract the other whereby the pitch diameters thereof will be inversely changed, V-belts connecting said pulleys to a pair of expansible idler

V-pulleys, said idler pulleys having integral adjacent members rotatable in fixed planes, and means connecting the remote members of the idler pulleys for rotation with the adjacent mem-



bers but for axial movement relative thereto whereby the pitch diameters of the idler pulleys will be inversely changed automatically by belt tension differentials in accordance with adjustment of the driver and driven pulleys.

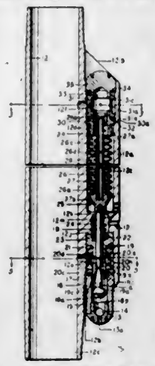
2,248,949
DIFFERENTIAL TYPE PNEUMATIC PISTON PUMP
Alexander Boynton, San Antonio, Tex.
Application January 31, 1939, Serial No. 253,875
4 Claims. (Cl. 103—234)



1. In a fluid lift device, an intake connector having a downwardly extending intake passage for a gaseous fluid, spaced upper and lower valve seats in said passage, a valve member movable within the passage to engage said seats, a valve stem extending downwardly from the valve member, a casing attached to said connector and surrounding said stem, a valve seat in said casing, a valve connected to said stem and resiliently held in sealing engagement with said seat to close the casing to the entrance of fluid from below when the valve member is in engagement with the upper valve seat, and means for forcing the valve from its seat when the valve member approaches the lower seat.

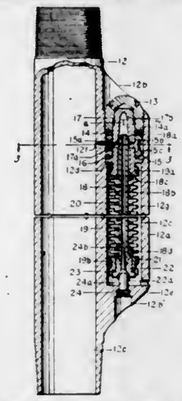
2,248,950
DIFFERENTIAL STAGE LIFT FLOW DEVICE
Alexander Boynton, San Antonio, Tex.
Application December 8, 1939, Serial No. 308,309
7 Claims. (Cl. 137—111)

1. In a stage lift flow device, a valve body, a tubular valve housing thereon, a lower valve chamber in said housing having an inlet, a valve in said inlet, a tubular valve seat member, projecting downwardly in said chamber, lateral ports therein connecting with the interior of said body, a valve stem extending downwardly through said



seat member, an oppositely flaring area on said stem adjacent said ports, a valve at the lower end of said stem formed to engage the lower end of said seat member, and means responsive to differential fluid pressure between the interior and exterior of said body for controlling the flow of pressure fluid through the housing.

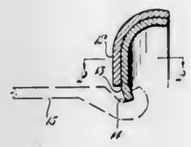
2,248,951
DIFFERENTIAL STAGE LIFT FLOW DEVICE
Alexander Boynton, San Antonio, Tex.
Application December 8, 1939, Serial No. 308,310
5 Claims. (Cl. 137—111)



1. In a stage lift flow device for wells, a valve body including a tubular housing having an opening at one end communicating with the exterior of the valve body and an opening at the other end communicating with the interior of the valve body, an end connecting member set in one end of said housing, said member having a longitudinal recess, a bellows diaphragm having a sealing connection with said member whereby said diaphragm is supported, a tubular bushing closing the free end of said bellows diaphragm except for an axial passage, a tubular valve stem fixed in said passage and projecting into said connecting member, a valve on one end of said stem, a seat for said valve in said member, said connecting member having a lateral opening leading to one of the openings in said housing,

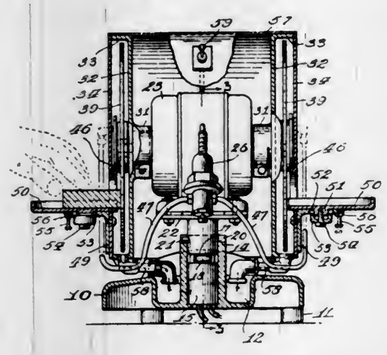
and means at the lower end of said member to meter the flow of fluid through said housing and said tubular valve stem.

2,248,952
RIM SIDE RING
Winfield S. Brink, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 9, 1940, Serial No. 328,629
12 Claims. (Cl. 152—406)



11. A rim side ring which comprises two laterally adjacent substantially continuous annular metallic rings which combine to form a continuous annular member, each of said rings having at least one free end whereby the diameter of said continuous annular member can be varied.

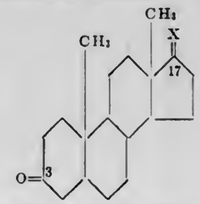
2,248,953
DENTAL MODEL TRIMMER
Ray Bunch, Los Angeles, Calif.
Application June 1, 1938, Serial No. 211,139
3 Claims. (Cl. 51—128)



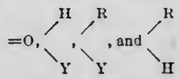
1. In a dental model trimmer, a base, a vertically disposed post mounted for limited rotary motion on said base, a motor supported by said post, grinding wheels carried by the end portions of the shaft of said motor, a housing enclosing said motor and movable therewith, partitions arranged within said housing and dividing the space therein into a centrally arranged motor chamber and separate chambers for said grinding wheels, means having a portion extending through the vertically disposed post for delivering water to the outer faces of said grinding wheels there being a pocket formed in the top of said base, means for conducting water from the lower portions of the grinding wheels chambers to said pocket, there being openings formed in said housing for exposing portions of said grinding wheels, and work-receiving tables secured to said housing below the openings therein.

2,248,954
PROCESS FOR THE MANUFACTURE OF α,β-UNSATURATED KETONES OF THE CYCLOPENTANO POLYHYDRO PHENANTHRENE SERIES
Adolf Butenandt, Berlin-Lichterfelde, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application March 26, 1937, Serial No. 133,204. In Germany March 31, 1936
16 Claims. (Cl. 260—397.3)

1. Process for the manufacture of α-β-unsaturated ketones of the cyclopentano polyhydro phenanthrene series, wherein β-γ-unsaturated ketones of the cyclopentano polyhydro phenanthrene series of the general formula $C_{19}H_{26}O(X)$ and the constitutional formula

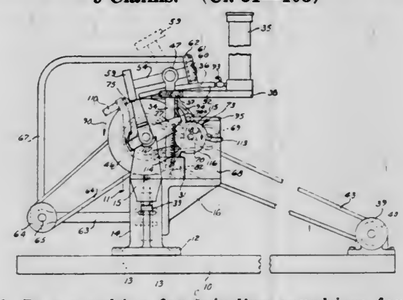


in which X indicates a member of the group consisting of



Y being a member of the group consisting of the hydroxyl group and groups replaceable by the hydroxyl group with the aid of hydrolysis, and R being a member of the group consisting of hydrocarbon radicals and oxygenated hydrocarbon radicals, are subjected to an agency capable of effecting displacement of a carbon-carbon double bond in β-γ-unsaturated ketones to cause shifting of the double bond to the α,β-position.

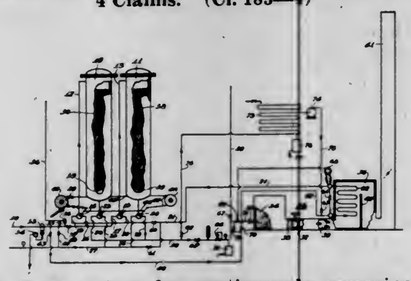
2,248,955
SAPPHIRE GRINDING MEANS
Frank L. Capps, New York, N. Y.
Application January 13, 1939, Serial No. 250,668
9 Claims. (Cl. 51—103)



1. In a machine for grinding sapphires for use in the making of sound recording styli, a grinding wheel, means for rotating said wheel, said wheel having a groove therein of a width greater than the diameter of a sapphire to partly receive the sapphire to be ground, a stop to prevent bodily movement of the sapphire with the wheel, means for bodily rotating the sapphire in said groove in a direction substantially transverse to the direction of rotation of the wheel, a movable support mounting said stop for movement of the latter into and out of stopping relation with the

sapphire in the groove, and means for moving said support to carry the stop out of stopping relation with a sapphire in said groove on completion of the grinding of said sapphire.

2,248,956
METHOD AND MEANS FOR ADSORPTION OF CONDENSABLES FROM FUEL GASES
George M. Carvlin and William O. Keeling, Pittsburgh, Pa., assignors to Koppers Company, a corporation of Delaware
Application August 2, 1939, Serial No. 288,028
4 Claims. (Cl. 183—4)



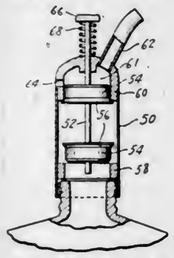
1. In a system for continuously removing a condensable from a stream of combustible gas containing the same, said system comprising a plurality of batches of solid adsorbent for said condensable, in combination, the steps of: flowing a major portion of the said gas-stream and at pressures considerably in excess of atmospheric into contact with a batch of adsorbent that is active to remove a condensable from said gas; simultaneously and at substantially the same pressure, flowing a minor, preheated portion of gas from the gas-stream into a closed cycle into successive direct contacts with another batch of adsorbent that contains previously adsorbed condensable, thereby to reactivate said adsorbent, and subjecting the gas in the closed cycle after each such contact respectively to a cooling step and a preheating step for condensing therefrom the condensable removed thereby from said other adsorbent batch, and for restoring its condensable-carrying capacity before the next following contact with said adsorbent, burning gas derived from said gas-stream's minor portion; effecting the aforesaid preheating by heat absorbed from the combustion products; and periodically alternating contact of the said adsorbent batches with such major and minor portions of the said gas-stream.

2,248,957
COOKING UTENSIL
Joseph Casali, Detroit, Mich.
Application May 25, 1940, Serial No. 337,327
2 Claims. (Cl. 107—47)



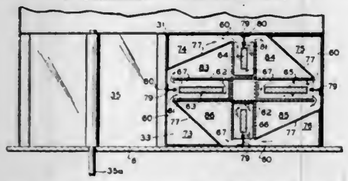
1. A cooking utensil comprising a plate having a downwardly curved serrated surface on its underside, handles integral with said plate adjacent its extremities and projecting upwardly therefrom, said plate having a plurality of apertures formed through its working surface whereby when it is pressed down and rocked upon edible material consisting of two layers of paste or dough having a filling therebetween the portions of the layers beneath the imperforate portions of the member are pressed into contact with one another and the filling is squeezed between the portions of the layers which register with said apertures and cutting ribs integral with said plate projecting downward from its working surface beyond said serrations.

2,248,958
DISPENSING DEVICE
Carl J. Christensen and Lorain Fortney, Toledo, Ohio
Application April 14, 1938, Serial No. 201,972
6 Claims. (Cl. 221—114)



1. In a device of the character described, a body having a liquid inlet valve-seating portion at one end and a liquid outlet valve-seating portion at the opposite end, a measuring chamber disposed between said portions, plug valves to engage each of said seating portions, manually operable means carrying said valves, said valves being carried in fixed spaced relation on said means intermediate said seating portions to close said openings simultaneously and to open alternately, and a dome-shaped chamber in said body above said measuring chamber in which is located a relatively small air inlet opening and a relatively large pouring opening.

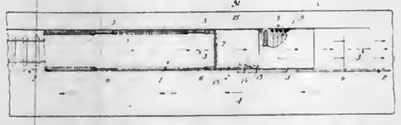
2,248,959
AIR CONDITIONING APPARATUS FOR ISOLATED SPACES
John N. H. Christman, Cleveland, and William A. Lintern, Brook Park Village, Ohio, assignors to The Lintern Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 1, 1939, Serial No. 302,394
5 Claims. (Cl. 219—39)



1. In an air conditioning apparatus comprising a duct having an air inlet, a power driven blower operatively within the duct constructed and arranged to force air received from the inlet in a predetermined direction in the duct, a heater unit in the duct including a chamber having an inlet communicating with a discharge portion of the blower and having a plurality of electrically operable strip heaters therein with radiating fins extending transversely of the longitudinal axes of the strips and on opposite sides of the strips, dividing means in the chamber so arranged that air received at the inlet portion of the chamber is passed first on one side of each individual strip between the fins thereof and then on the opposite

side between said fins, and outlet means for the chamber for delivering the heated air to a point beyond the heater.

2,248,960
UNLOADING AND LOADING SYSTEM
Lloyd Collis, New York, N. Y.
Application October 7, 1939, Serial No. 298,383
5 Claims. (Cl. 104—30)

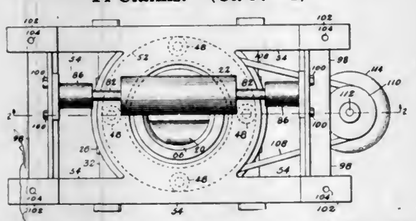


1. A platform system for use with a carrier comprising a fixed platform, a second platform extensible within limits out from said fixed platform and adapted to be retracted toward said fixed platform upon contact with a carrier approaching said fixed platform in the same direction which said second platform is adapted to be retracted, extension and retraction of said second platform within said limits being actuated by the withdrawal and approach, respectively, of a carrier, and a roller-mounted supporting means for said second platform which is positioned therebeneath, and connected for movement therewith, so that the extended portion of said second platform is supported thereby.

2,248,961
COATING COMPOSITION
Herbert C. Comstock, Mount Kisco, N. Y.
No Drawing. Application June 21, 1938, Serial No. 214,938
3 Claims. (Cl. 134—1)

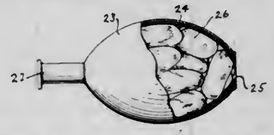
3. A composition comprising medium oil varnish approximately 17.6% by weight, beeswax having a melting point 140°–150° C. approximately 1.6% by weight, paraffin wax having a melting point 120°–130° F. approximately 0.3% by weight, boiled linseed oil approximately 9.6% by weight, balance mineral spirits having an initial boiling point 300°–310° F. and an end point 390°–400° F. to make 100% by weight, said composition being characterized by its property of drying rapidly when applied to a clean metal surface leaving a single transparent flexible primer and surfacer coating tenaciously bonded to said metal surfaces.

2,248,962
WEB MANIPULATING APPARATUS
Percy Cook, Waltham, Mass.
Application May 9, 1940, Serial No. 334,222
14 Claims. (Cl. 57—1)



1. In web handling apparatus of the kind wherein a lengthwise movement is imparted to the web, the combination of a rotatable body through which the web is passed, web guides between which the web is passed, said guides being carried by and disposed at opposite sides, respectively, of the axis of rotation of said body, means to urge one guide toward the other to flatten the web between them, and means to rotate said body in either direction.

2,248,963
CONTAINER FOR CONFECTIONS
Lloyd G. Copeman, Flint, Mich., assignor to Copeman Laboratories Company, Flint, Mich., a corporation of Michigan
Application May 18, 1937, Serial No. 143,249
5 Claims. (Cl. 99—180)



1. In combination, a confection and a container therefor comprising, an elastic rubber inflatable balloon having its closed end portion telescoped within its open end portion so as to form a double walled container for said confection, and having a relatively small orifice for normally preventing said confection from being inadvertently dispensed and through which said confection may be conveniently dispensed by reason of the elastic characteristics of said container.

2,248,964
METHOD FOR PRODUCING QUICK-DRYING OILS
Frank W. Corkery, Crafton, Pa., assignor to Falk and Company, a corporation of Pennsylvania
No Drawing. Application May 23, 1938, Serial No. 209,533
12 Claims. (Cl. 260—406)

1. The herein described method of improving the rate of drying and film characteristics of film-forming oils of drying character which comprises subjecting such an oil to oxidation by blowing a gas containing free oxygen through a batch of raw oil of such sort while heating the batch to a temperature adequate to facilitate oxygen dispersion in the oil and below a temperature sufficient substantially to promote polymerization in the oil to a stage of oxidation at which the viscosity of the oil has been substantially increased and approaching the stage at which gelation of the oil would take place, at that stage dispersing the gel structure already formed in the oil with marked lowering in the viscosity of the batch by adding in the batch a charge of raw oil of generally similar character to that previously included in a quantity equal to from 20% to 70% the weight of the total batch formed by the addition, and continuing to oxidize the total batch by blowing under similar conditions to a stage at which by oxidation the viscosity of the total batch has been substantially increased and below a stage at which gelation in the batch takes place.

2,248,965
BAKING OIL
Frank W. Corkery, Crafton, Pa., assignor to Falk & Company, a corporation of Pennsylvania
No Drawing. Application July 16, 1938, Serial No. 219,613
2 Claims. (Cl. 260—407)

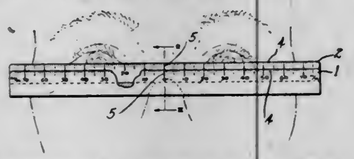
1. The herein described method of treating oxidizable drying oils to produce a baking oil of particularly high non-penetrating qualities

which comprises effecting polymerization in an oil having drying qualities and having a capacity for polymerization less than that of China-wood oil by heating the said drying oil at a polymerizing temperature within the approximate range of 500° F. to 600° F. to a stage in which the oxidizable constituents of the oil are in large measure deprived of drying qualities but retain residual capacity for oxidation, and restoring to the said oil drying qualities lost by polymerization by blowing air therethrough at an oxidizing temperature to a stage of preoxidation at which gelation of the oil becomes imminent, at such stage effecting gel dispersion in the batch by introducing a similar oil similarly polymerized but in unoxidized condition as an oil-soluble film-forming gel-dispersant, and after such gel dispersion continuing to blow air through the batch for a substantial blowing period to a stage at which gelation of the oil is again approached.

2,248,966
DRYING COMPOSITION
Frank W. Corkery, Crafton, Pa., assignor to Falk & Company, a corporation of Pennsylvania
No Drawing. Application December 11, 1940, Serial No. 369,551
4 Claims. (Cl. 260—23)

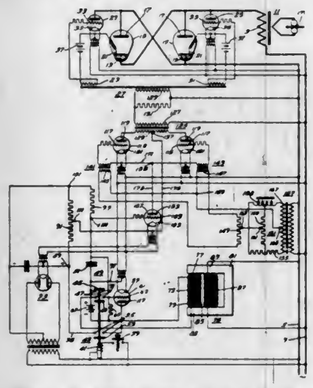
1. The herein described method of making quick drying coating compositions from oxidizable drying oils and resins by blowing air through an oil having drying qualities and which is less susceptible to polymerization than China-wood oil at an oxidizing temperature below that which would cause substantial polymerization in the oil, when by oxidation in the oil the production of large molar bodies therein tends to exceed the capacity of the inherent plasticising content of the oil to disperse them and bodily gelation of the oil becomes imminent, dispersing the gel structure composed of the said large molar bodies by making a plasticising addition of oil-soluble thermoplastic resin to the said body of oil, and after such gel dispersion continuing to blow air through the batch for a substantial blowing period to a stage at which the viscosity of the oil has been further increased without gelation of the oil.

2,248,967
MEASURING INSTRUMENT
Michael Curcio, Philadelphia, Pa.
Application February 21, 1939, Serial No. 257,689
5 Claims. (Cl. 33—200)



1. A device of the character described comprising a relatively thin strip of material having a graduated scale adjacent a longitudinal edge thereof, a similar strip having a scale graduated in the same value adjacent a similar longitudinal edge thereof and spacer means secured to a side surface of each of said respective strips between said strips so as to support said strips in spaced substantially vertical relation with said spacer means and so as to support said longitudinal edges in substantially parallel relation and the respective graduations along said longitudinal edges in substantial alignment with each other, so as to be simultaneously visible in this relation, when viewed from the front along a line substantially perpendicular to the plane of the respective side surfaces of the strips.

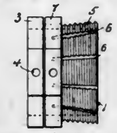
2,248,968
ELECTRIC DISCHARGE APPARATUS
John W. Dawson, Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 13, 1938, Serial No. 224,708
9 Claims. (Cl. 250—27)



2. For using in supplying a load from a source of periodically pulsating current the combination comprising electric valve means interposed between said source and said load, said valve means comprising a plurality of main electric discharge devices, each having a control circuit, including an auxiliary discharge device, means for impressing potentials for a predetermined interval of time on said auxiliary discharge devices for rendering said valve means conductive during a predetermined number of pulsations of said source corresponding to said interval, said potential impressing means comprising at least two additional electric discharge devices each having a control electrode and a plurality of principal electrodes, the principal electrodes of said last named discharge devices being connected in series with each other, means, including a capacitor and means for charging said capacitor, for continuously impressing a potential during said interval between the control electrode and a principal electrode of one of said discharge devices, and means for impressing impulses between a control electrode and a principal electrode of the other of said last-named discharge devices to render said other discharge device conductive at predetermined instants in said predetermined number of pulsations.

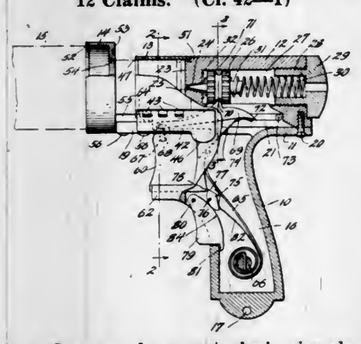
2,248,969
METHOD OF MAKING HOSE CLAMPS
Frank L. Darling, Hollywood, Calif., assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application June 9, 1939, Serial No. 278,357
1 Claim. (Cl. 29—156)

The method of making a hose clamp, which comprises the following steps: forming a tubular body with an outer cylindrical wall and with a flange at one end and with an inner wall tapered from the flange toward the other end, the larger diameter of the inner wall being adjacent the flange end of the body; cutting a thread in the outer cylindrical wall; slitting the body from the end opposite the flange with a plurality of slits lying in radial planes and extending to a place adjacent the flange but terminating short thereof to leave an unslit area; placing a nut on the



threaded body and running it on over the unslit part of the same adjacent the flange; and finally expanding the slit part of the body to bring the inner surfaces of the slit portions of the body parallel to the axis of the body.

2,248,970
FIREARM
Josef B. Decker, Elkton, Md., and August Hummel, Bernardsville, N. J.
Application May 4, 1938, Serial No. 206,068
12 Claims. (Cl. 42—1)

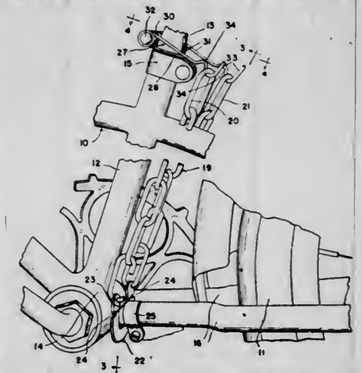


2. In a fire arm for pyrotechnic signals of the type having a grooved base cartridge case, in combination, a handle, a frame thereon, a breech block fixed to said frame, a firing pin operable to extend through said block, a ring carried by said frame and extending forwardly of said block, the bore of said ring being slightly less than the cartridge case diameter, a lug carried on the inner wall of said ring to engage in the base groove and manually operable means on said arm to expand the ring to receive a cartridge base.

3. In a fire arm for pyrotechnic signals of the type having a grooved base cartridge case, in combination, a handle, a frame thereon, a breech block fixed to said frame, a firing pin operable to extend through said block, a ring carried by said frame and extending forwardly of said block, the bore of said ring being slightly less than the cartridge case diameter, the ring being split longitudinally, and lever means engaging the ring and a fulcrum, said lever having a surface positioned for convenient operation by the thumb of a hand grasping said handle, to expand the ring to receive or release a cartridge.

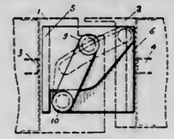
2,248,971
BICYCLE ACCESSORY
Thomas I. Duffy, Detroit, Mich., assignor to Ethel M. Benedict, Highland Park, Mich.
Application September 11, 1939, Serial No. 294,382
9 Claims. (Cl. 280—289)

1. An accessory for bicycles having a frame composed of a plurality of bars, said accessory comprising a pair of flexible linear members, a substantially U-shaped retainer adapted to receive one of the frame bars of the bicycle frame between the leg portions thereof and having the free ends of the leg portions secured to adjacent ends of the linear members, means carried by the leg portions of the retainer and extending



over the frame bar aforesaid of the bicycle frame to hold the retainer in assembled relation with said frame bar, and means carried by another of the frame bars and removably engaging the free ends of the linear members to hold the latter in assembled relation with the bicycle.

2,248,972
CONCEALED HINGE FOR AUTOMOBILE DOORS
Charles Dumelin, Detroit, Mich.
Application February 23, 1940, Serial No. 320,357
1 Claim. (Cl. 16—166)

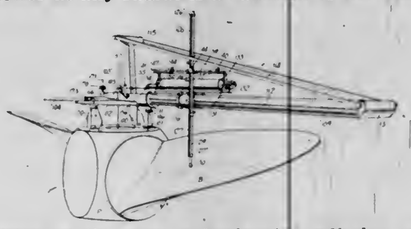


A door hinge of the concealed type comprising two members provided with upper and lower end flanges, the flanges of one member being parallel and overlapping the flanges of the other member, pivotal control means extending between each pair of adjacent overlapping flanges, said control means comprising a ball element seated in a recess in a flange and movable in a groove in an adjacent flange, and with the members in closed position said groove extending outwardly and forwardly of the door jamb, and pivotal means comprising link elements and two sets of pivot pins secured to the outer sides of the upper and lower flanges, one set of pivot pins securing the links with the end flanges of the stationary member and the other set of pivot pins including spacers securing the links with the end flanges of the swinging member beyond the flanges of the stationary member.

2,248,973
RECORDING PITCHOMETER
Ivan D. Eby, Staten Island, N. Y.
Application September 9, 1939, Serial No. 294,080
15 Claims. (Cl. 33—174)

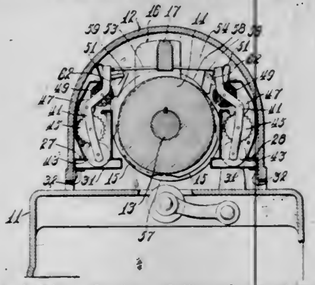
1. A pitchometer for preparing a chart to show the departures of the surface of a screw propeller blade or the like from an ideal blade surface whereby the pitch of the propeller may be

recorded, comprising a radially extending swingable arm, means for rotatably supporting the arm coaxially of the propeller whereby the arm is adapted to be placed in various radial positions opposite the sloping surface of the propeller blade, a radially movable carriage on the arm, a carriage carried follower movable transversely thereof and held in contact with the blade surface being recorded whereby the position of the follower at any radius is a function of the radial



position of the arm, a horizontal cylinder carried by the carriage, a self winding paper storage cylinder, a paper wrapping extending from the storage cylinder and secured to the first cylinder, a follower actuated recording marker movable with the carriage and bearing on the paper wrapping, and means to turn the cylinders on their axes in response to movement of the carriage along the radial arm so as to move the paper wrappings under the marker.

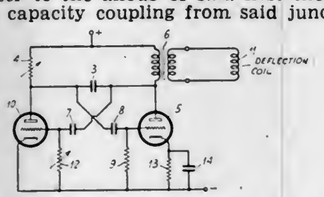
2,248,974
INKING DEVICE
Emil O. Eckland and Walter H. Young, Chicago, Ill.; said Eckland assignor to said Young
Application January 13, 1940, Serial No. 313,692
8 Claims. (Cl. 101—351)



1. An inking device of the character described comprising, in combination, an ink reservoir, a housing on said reservoir, conveyor means pivotally mounted in said housing, said conveyor means including a plurality of conveyor wheels and an inking roller, said conveyor wheels being operative to convey ink from the reservoir to said inking roller.

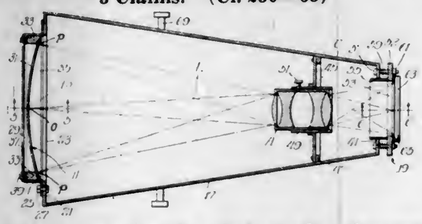
2,248,975
ELECTRICAL OSCILLATION GENERATOR
Charles Leslie Faudell, Stoke Poges, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application February 11, 1939, Serial No. 255,795
In Great Britain February 19, 1938
5 Claims. (Cl. 250—27)

1. A sawtooth oscillation generator comprising a first thermionic tube having a cathode, grid and anode, a variable resistor connected between said cathode and grid, a second thermionic tube having a cathode, grid, anode and an electron path between the cathode and anode of said second thermionic tube, at least one source of direct current supply voltage, a serially connected resistor and condenser, said serially connected resistor being connected to the positive terminal of said source, a connection from the junction point of said serially connected resistor and said condenser to the anode of said first thermionic tube, a capacity coupling from said junction to



the grid of said second thermionic tube, a resistor connected between the grid of said second thermionic tube and the negative terminal of said source, an impedance connected in series with said source and said electron path, a direct connection between said condenser and said impedance, means to supply output energy from said impedance, and capacitative coupling means connected between said impedance and said variable resistor.

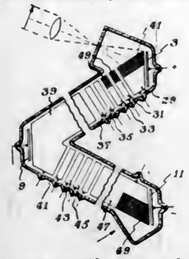
2,248,976
RADIOGRAPHIC UNIT
Glenn W. Files, Oak Park, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application November 17, 1939, Serial No. 304,999
3 Claims. (Cl. 250—65)



1. A camera for the photography of screened images, comprising a light tight housing and support means for mounting light-sensitive photographic material at one end of the housing in position for exposure, a screen comprising a layer of material adapted to fluoresce under the influence of X-rays mounted on said housing in spaced relationship with respect to said support means, and a lens assembly mounted in the housing between said screen and said support means in position to focus light rays emanating from said screen upon light-sensitive material positioned in said support means, said screen having concave curvature facing said lens, the curvature being of such degree that a plurality of remote points therein may be focused by said lens upon corresponding points in the light-sensitive material.

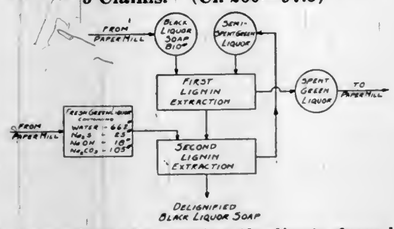
2,248,977
ELECTRO-OPTICAL DEVICE
Leslie E. Flory, Oaklyn, and George A. Morton, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 29, 1935, Serial No. 38,380
8 Claims. (Cl. 250—165)

1. An image intensifier comprising an evacuated envelope containing an electrode having a secondary electron-emissive surface adapted to release an entire secondary electron image, and



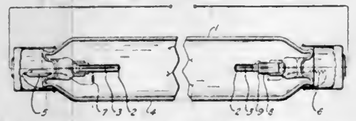
a photoelectric image cathode and an image target electrode facing said secondary electron-emissive surface.

2,248,978
DELIGNIFICATION OF BLACK LIQUOR SOAP
Kenneth N. Francisco, North Caldwell, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Application February 14, 1938, Serial No. 190,529
5 Claims. (Cl. 260—97.5)



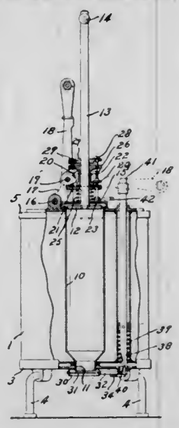
1. A method of removing the lignin from black liquor soap which comprises extracting said soap with a relatively dilute aqueous solution containing sodium hydroxide, sodium carbonate and sodium sulfide.

2,248,979
DISCHARGE LAMP
Ernst Friederich and Martin Reger, Berlin-Charlottenburg, and Georg Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company, a corporation of New York
Application September 23, 1940, Serial No. 358,022
In Germany July 14, 1939
5 Claims. (Cl. 176—124)



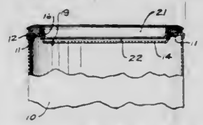
1. An electric lamp comprising in combination, a vitreous envelope, a luminosity producing gaseous filling therein, a plurality of thermionic operating electrodes having an appreciable thermal capacity and a plurality of thermionic starting electrodes having a relatively inappreciable thermal capacity sealed into said envelope, the circuit including the discharge path between said operating electrodes having a lower resistance than that including the discharge path between said starting electrodes when all of said electrodes are at a discharge sustaining temperature, heater elements for said operating electrodes, a shunt circuit for connecting said heater elements and said starting electrodes in series for heating said starting electrodes, resistance increasing means connected between said starting electrodes in said shunt circuit to increase the potential difference between said starting electrodes to cause a luminous discharge to start there-between before said operating electrodes have attained their operating temperature, said heater elements being connected in series with the discharge between said starting electrodes and that between said operating electrodes to limit the discharge current and to raise and maintain said operating electrodes at a discharge sustaining temperature.

2,248,980
BUTTER DISPENSING MACHINE
Bernt Garllus, Detroit, Mich., assignor to Louis N. Prentis, Detroit, Mich.
Application May 5, 1939, Serial No. 272,008
3 Claims. (Cl. 31—13)



1. In a butter dispensing machine, a casing, a cylindrical butter compartment mounted in the casing and having a reduced diameter discharge end extending through the bottom of the casing, a plunger supported in the top of the casing and movable longitudinally step by step through the compartment to discharge the butter therefrom, manually operable means for advancing the plunger step by step through the compartment, means normally preventing return movement of the plunger, and means for cutting off the extruded butter at the end of each step movement of the plunger, a vertically movable member including a cam adapted on movement of said member in one direction to actuate the cutter on the cutting movement, said member being moved to actuate the cutter by said manually operable means for moving the plunger, and spring means for restoring said vertically movable member to original position upon return of the manually operable means to position for again advancing the plunger.

2,248,981
FRICTION TOP POURING MEANS
Amos N. Gerth, Columbus, Ind.
Application December 4, 1939, Serial No. 307,432
2 Claims. (Cl. 221—23)



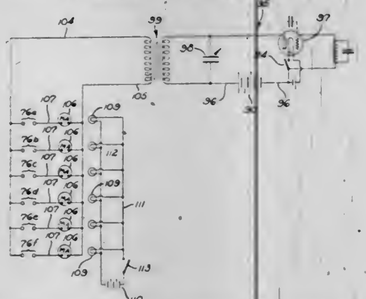
1. In combination with a container, a frictionally engaging primary closure having a depressed area entirely thereover and having a pouring opening at one side of said area, and a secondary

closure frictionally engaging within the primary closure, said primary closure having an outturned marginal lip extending to the outer face of the container beveled on its under side to form an outer knife edge, and said secondary closure having a complementary marginal lip covering over the lip of the primary closure.

2,248,982

METHOD AND APPARATUS FOR DETERMINING THE CHARACTER AND POINTS OF INGRESS OF WELL FLUIDS

John R. Gillbergh, Pasadena, Calif.
Application January 4, 1939, Serial No. 249,266
27 Claims. (Cl. 175—183)

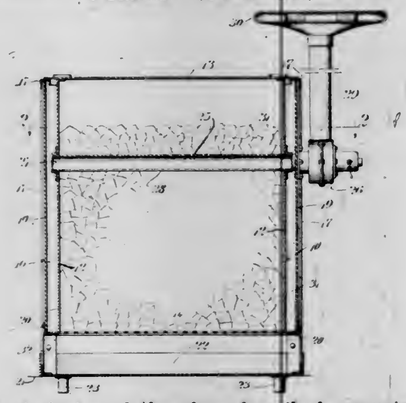


1. A method of determining the points of ingress of formation fluids in a bore hole, including the steps of: filling a test zone of the bore hole with a conditioning fluid at pressure sufficiently above formation pressure to prevent flow of formation fluids thereinto; temporarily lowering the pressure of said conditioning fluid long enough to permit representative bodies of formation fluids to enter the bore hole, but not long enough to cause substantial displacement or substantial flow of the bodies; and recording fluid character continuously and simultaneously at a plurality of spaced points in said test zone to reveal progressive diffusion from said bodies as centers.

2,248,983

AIR CONDITIONING AND REFRIGERATING UNIT

John J. Gleason, Chicago, Ill.
Application August 10, 1939, Serial No. 289,427
7 Claims. (Cl. 62—133)

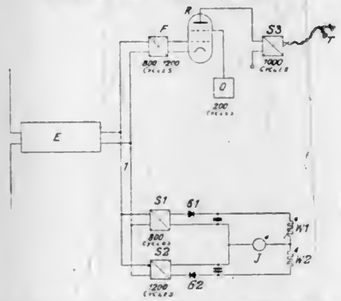


1. A device of the class described comprising a closed receptacle adapted to contain ice and provided with air inlet means at the base thereof, a suction duct extending into said receptacle and having its mouth therein extending transversely and intermediate the height of the receptacle to provide a limited distance of travel for the air in cooling thereof and to provide ice storage space above said duct, a discharge duct opening outwardly of and above said receptacle, and means for drawing air from the inlet of said receptacle and into said suction duct and for discharging the air through said discharge duct.

2,248,984

SYSTEM FOR DETERMINING NAVIGATORY POSITIONS

Joachim Goldmann, New York, N. Y., assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application January 18, 1939, Serial No. 251,497
In Germany January 19, 1938
6 Claims. (Cl. 250—11)

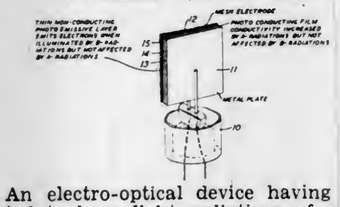


1. In a system comprising a radio transmitter for radiating complementary keying signals, adapted to complete each other to produce a course line, said signals being modulated with different distinguishing frequencies and movable receivers intended to follow this course line by amplitude comparison of the received signal, the method comprising, receiving said modulated keyed signals at a receiver, detecting said signals to derive the distinguishing frequencies, changing the distingushing frequencies to the same audio frequency and producing an audible comparison of said changed signals.

2,248,985

ELECTRO-OPTICAL APPARATUS

Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application March 4, 1936, Serial No. 67,059. Divided and this application August 25, 1938, Serial No. 226,633
13 Claims. (Cl. 250—153)



1. An electro-optical device having a target adapted to have light radiations of one wave-length range applied thereto from an object and light radiations of a second wave-length range applied thereto to scan it comprising a metal supporting plate having a face of relatively large area compared with the area of any of its edges, a layer of photo-conducting material contiguous to said face of said plate, and a layer of photo-sensitive material contiguous to the face of said photo-conducting layer remote from the metal plate, said photo-conducting layer being sensitive to light radiations from one of said wave-length ranges but substantially insensitive to radiations from the other of said wave-length ranges and said photo-sensitive layer being substantially insensitive to radiations from the wave-length range to which the photo-conducting layer is sensitive but sensitive to radiations from the wave-length range to which the photo-conducting layer is substantially insensitive.

2,248,986

ELECTRO-OPTICAL SYSTEM

Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1938, Serial No. 226,633, which is a division of Application Serial No. 67,059, March 4, 1936, now Patent No. 2,150,159, dated March 14, 1939. Divided and this application May 16, 1939, Serial No. 273,897
8 Claims. (Cl. 178—7.2)



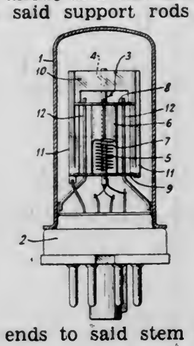
1. An electro-optical arrangement comprising a target including a first photoconducting layer and a second photoconducting layer near said first layer and cooperating therewith, a single circuit connection to all of the elemental areas of said first photoconducting layer, a second single circuit connection to all of the elemental areas of said second photoconducting layer, each of the various elemental areas of the first photoconducting layer being connected to the corresponding elemental areas of the second photoconducting layer by a path which conducts electrons, means for illuminating said first layer with radiations from an object, said second layer not being directly affected thereby, and means on the side of said target remote from said illuminating means for scanning said second layer with a beam of light radiations, said first layer not being directly affected thereby, whereby the radiations from the object act on the first layer to condition the arrangement and the scanning beam of radiations acts on the second layer, the two groups of radiations cooperating in the formation of an image current.

2,248,987

ELECTRODE ASSEMBLY

Norval H. Green, Wood-Ridge, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 29, 1940, Serial No. 321,424
3 Claims. (Cl. 250—27.5)

3. An electron discharge device comprising an envelope, a stem closing one end of the envelope, two spaced insulating spacers, a cathode extending through and supported by said spacers, said cathode having two emitting sections, one section being between the spacers and another emitting section beyond one of the spacers, a tubular anode surrounding the first mentioned section and a planar anode opposite the second mentioned section, said planar anode having two parallel integral rigid arms fixed to said spacers, support rods for said assembly between said tubular anode and said arms and engaging the spacers, said support rods being fixed at

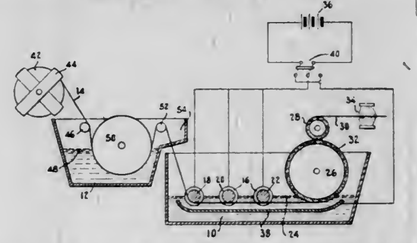


their lower ends to said stem and electrically grounded.

2,248,988

METHOD OF SIZING THREADS AND APPARATUS THEREFOR

Edward Nathaniel Hall, New York, N. Y., assignor to Aaron J. Rothstein, doing business as Triangle Thread Mills, New York, N. Y.
Application November 18, 1937, Serial No. 175,188
11 Claims. (Cl. 204—30)

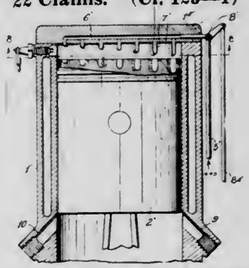


4. In the art of building up the body of spun textile thread with a body of weighting material, the steps of feeding thread through a primary bath of a substance to make the thread more effective as a conductor of electric current, then passing the thread through a bath of weighting material so that substantial portions of the thread immersed in the bath are free of any contacting surface, and establishing an electrical potential difference between the weighting material bath and the thread at spaced apart positions on the immersed portions.

2,248,989

INTERNAL COMBUSTION ENGINE

Edward Hanson, Cleveland, Ohio
Application August 28, 1939, Serial No. 292,226
22 Claims. (Cl. 123—1)



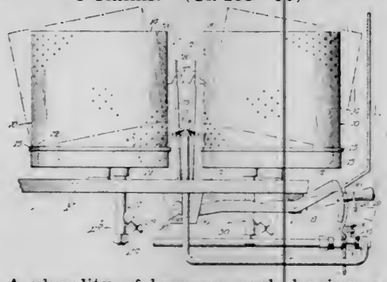
1. An internal combustion engine having a cylinder, a piston therein, a combustion chamber,

an exhaust, an inlet for the air drawn into the combustion chamber, a conduit having thereal ong a series of jets through which a combustible medium under pressure is injected into the combustion chamber for admixture with the air, a valve in said conduit, and means for intermittently operating said valve.

2,248,990
PROCESS OF MAKING POROUS ABRASIVE BODIES
John Allen Heany, New Haven, Conn.
Application August 17, 1938, Serial No. 225,376
8 Claims. (Cl. 51—293)

1. A process of making an abrasive wheel which comprises uniformly coating naphthalene balls with amorphous low temperature-dehydrated aluminous material having been wet ground to a particle size less than twenty microns, compressing said balls together in a mold to form the wheel, subjecting the wheel to heat treatment at a temperature below the melting point of the naphthalene balls and for a time period sufficient to entirely volatilize the naphthalene balls, and heating the wheel in a furnace at a temperature below that of the fusion of the aluminous material to vitrify the aluminous material in the wheel.

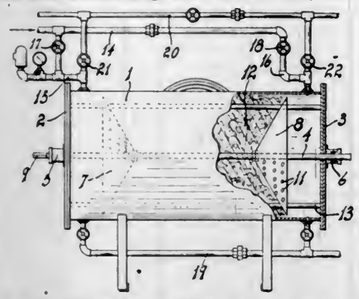
2,248,991
IGNITION DEVICE FOR OIL RANGES
Ossian A. Hedengren, Taunton, Mass., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 9, 1937, Serial No. 178,918
8 Claims. (Cl. 158—90)



2. A plurality of burners, each having a fuel container and a shield movably associated therewith, means for shifting all of said shields to expose the fuel in each container, and means operated by said shifting means for simultaneously igniting the fuel in all of said containers while so exposed.

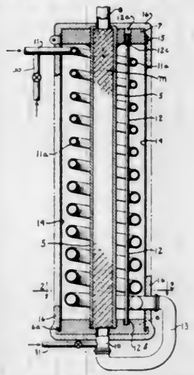
2,248,992
OIL PRECLEANER
Lawrence A. Holmes, Whittier, and Claud H. Bills, Los Angeles, Calif.
Application January 10, 1939, Serial No. 250,112
3 Claims. (Cl. 210—138)

1. An oil pre-cleaner comprising a drum, a filter pack within the drum, a cone bearing against each side of the filter pack, a shaft extending through the drum and threaded into each of the cones, said shaft having left hand threads on one end and right hand threads on the other end, rotation of said shaft being adapted to move said cones towards and away from each other, means engaging the cones whereby they are non-rotatably held in the drum, oil intake means extending into the drum, oil outlet



means extending from the drum, one of said cones being perforated throughout its upper surface and the other cone being perforated throughout its lower surface.

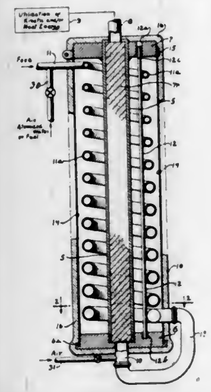
2,248,993
APPARATUS FOR CONTROLLING CHEMICAL REACTIONS
Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Original application May 8, 1936, Serial No. 78,542. Divided and this application February 9, 1939, Serial No. 255,459
2 Claims. (Cl. 23—288)



1. Apparatus for effecting chemical reactions comprising a catalytic reaction chamber having side and end walls, a conduit spaced from and outside of the side walls and extending lengthwise of the reaction chamber, means for supplying heat exchange fluid for passage through said conduit, said conduit being so constructed and arranged as to provide progressively increasing heat exchange surfaces per unit of conduit length and per unit of reaction chamber length, said heat exchange surfaces facing said side wall to transfer heat by free radiation between said side wall and said conduit in order to regulate the temperature of contact material in said reaction chamber.

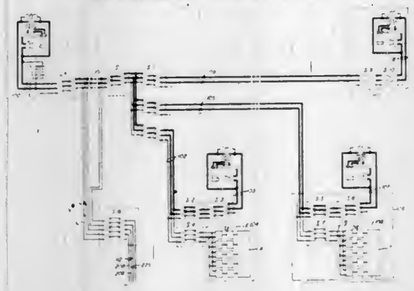
2,248,994
COMBUSTION OF CARBON MONOXIDE
Eugene J. Houdry, Ardmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application April 4, 1939, Serial No. 266,010
11 Claims. (Cl. 23—2)

1. The process of producing a stream of substantially inert fluid of controlled recoverable energy content comprising the steps of passing through a combustion promoter maintained under combustion conditions a stream of fumes resulting from burning of organic deposit formed on a contact mass and containing CO and suspended unburned organic material, regulating the temperature of the combustion promoter and



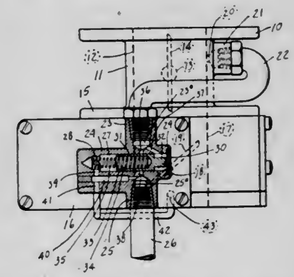
of the stream of burned gases issuing therefrom and from the reaction zone at predetermined and substantially constant level within the range of 700 to 1200° F., and effecting such regulation at least in part by absorbing excess heat of combustion in a stream of extraneous cooling fluid passed in indirect heat exchange relation with the combustion zone.

2,248,995
TELEPHONE SYSTEM
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 21, 1940, Serial No. 341,628
12 Claims. (Cl. 179—18)



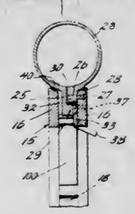
1. In a telephone system, a central office, a line terminating in said central office, means for transmitting over said line signal currents representing a telephone designation, automatic switches in said office, a recording sender in said office including a magnetizable medium, means responsive to said signal currents for magnetizing said medium to record the telephone designation thereon, a switch-controlling marker, means for connecting said sender to said marker, means for reproducing the designation signal currents from said medium and transferring them directly into said marker, registers in said marker, and a signal receiving mechanism in said marker responsive to the signals transferred from said medium for variably operating said registers to register said telephone designation in said marker, said marker serving to control the selective operation of said automatic switches in accordance with the registered designation.

2,248,996
SPARK CONTROL
Raymond Hufford, Anderson, Ind.
Application October 28, 1938, Serial No. 237,415
6 Claims. (Cl. 137—153)



1. A differential pressure control including three passages, one adapted for connection to a device for fluid control of that device, another adapted for connection to a variable source of suction other than that device, and a third adapted for connection to a source of pressure at least as great as that to which the second passage is to be connected, a body having a valve bore therein, a valve in said bore, independent passages connecting each of the first and third passages to the bore and juxta-positioned relative to each other for communication when said valve is in one position in the bore, said valve being normally constrained toward another position to prevent said last mentioned communication, means interposed between the valve and second mentioned passage for subjection to the source of suction at all times, and another passage providing restricted communication between the first and second mentioned passages for subjecting the first mentioned passage to the source of suction at all times, and intermittently to the third mentioned passage in accordance with valve operation responsive to variation in the source of suction when the suction force is greater than the restraint and when so connected overcoming the effect of the restricted suction application to the first mentioned passage.

2,248,997
SIGNAL PISTOL
August Hummel, Bernardsville, N. J.
Application May 4, 1938, Serial No. 206,031
8 Claims. (Cl. 42—1)



1. In a signal pistol, in combination, a frame,

a cartridge base engaging sleeve split longitudinally, a pair of radial lugs secured to said sleeve one at each side of the split, one of said lugs being secured to said frame, a wedge member adapted for movement in a vertical plane to engage the other lug to expand the sleeve and a thumb lever for actuating said member.

4. In a signal pistol, in combination, a frame comprising spaced side rails, a cartridge base engaging sleeve above said rails, said sleeve being provided with two spaced longitudinally disposed, external, radial lugs, said sleeve being split between said lugs, one of said lugs being secured to the inside face of one of said frame rails, a wedge pivoted to said rail and adapted to engage the other lug to expand the sleeve, the other rail serving to limit movement of the other lug.

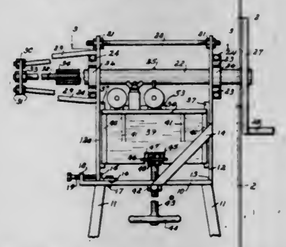
2,248,998

BORING MACHINE

Anders G. Johnson and Phillip G. Sundberg, Denver, Colo.

Application January 6, 1941, Serial No. 373,260

4 Claims. (Cl. 77—3)



1. A device for the purpose specified, comprising, in combination, a base, a support at each end thereof, one of the supports being movable relative to the base each of the supports having a bearing, a boring bar rotatably mounted in the bearings, means at one end of the bar for rotating it, means comprising a threaded member secured at one end to one of the supports and operatively connected with the bar for moving it longitudinally when it is rotated, a work support table positioned between the base and the boring bar, vertically elongated cooperating guides on the bearing supports and on the ends of the work support table, means comprising a screw operatively connected with the base and with the table for moving the table along the guides towards and away from the boring bar, means carried by the work support table for positioning a bearing block thereon, and means for adjusting the distance between the guides on the bearing supports to compensate for wear, the last named means comprising adjusting screws threadedly connected with the base and in engagement with the lower end of one bearing support, and a threaded rod connecting the upper ends of the bearing supports.

2,248,999

COMPOSITION FOR LINING DENTAL PLATES

William E. Johnson, Detroit, Mich.

No Drawing. Application April 12, 1939, Serial No. 267,458

8 Claims. (Cl. 106—6)

1. A viscous composition for dental use, comprising rosin and gum copal, mixed to a spreading consistency in an alcohol vehicle with a pulverulent, substantially tasteless body, substantially insoluble in such vehicle.

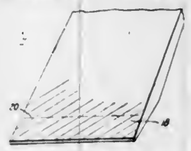
2,249,000

BUILDING MATERIAL

Robert T. Johnston, deceased, late of Plainfield, N. J., by Clara E. Johnston, administratrix, Newark, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York

Original application August 20, 1931, Serial No. 558,247. Divided and this application September 25, 1936, Serial No. 102,543

2 Claims. (Cl. 154—51)



1. Roofing comprising a body formed with a fold and having a plurality of scores on the adjacent portions of the fold and crossing the line of fold, said scores being disposed obliquely to the line of fold with the scores on the adjacent contacting surfaces criss-crossing.

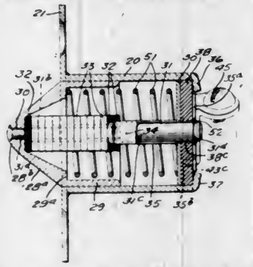
2,249,001

PUSH BUTTON SWITCH CONSTRUCTION

John C. Joost, Mount Vernon, N. Y., and Christian Miller, Norwalk, Conn., assignors to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York

Application July 15, 1939, Serial No. 284,670

7 Claims. (Cl. 200—159)



1. A switch construction of the character described, comprising a cylindrical shell having means for mounting it on a suitable support, said shell having means at its rear end for insulatingly mounting contact-connector means having a connector element exposed externally of the shell and having a contact brush extending inwardly of the shell and toward the front end thereof, said rear mounting means having an aperture positioned substantially in line with the axis of said shell, a spring-opposed operator having a hollow cylindrical extension slidably fitted into the shell with its inner end terminating, when said operator is in normal position, in spaced relation to said mounting means, a rod-like member secured at one end to said operator and having its other end extended through said aperture in said rear mounting means, said rod member having means forming a shoulder spaced from the inner end face of said operator and carrying between the latter and said shoulder means a plurality of insulating and conductive members strung thereon and held therebetween, at least certain of said members being of small axial dimension as compared to the stroke of movement of said operator, and said contact brush being positioned at the end of a radius from the axis of said shell that is less than the radius of said hollow cylindrical extension so that, upon actuation of said operator, said hollow cylindrical extension may freely envelop said contact brush, the latter engaging said insulating and conductive members successively as said operator is actuated to effect sliding movement thereof and hence of said rod member relative to said shell.

2,249,002

PREPARATION OF VEGETABLE PHOSPHATIDES

Percy L. Julian, Oak Park, and Andrew G. Engstrom, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application June 8, 1938 Serial No. 212,606

11 Claims. (Cl. 260—403)

11. In the process of recovering purified phosphatides from vegetable oil "foots" containing the same, the step consisting in dissolving the "foots" in a vegetable oil which is a solvent for the phosphatides, oil, fatty acids, coloring matter, and other soluble ingredients of the "foots," prior to any bleaching extraction or other purification steps.

2,249,003

PROTEIN COMPOSITION AND METHOD OF MAKING

Percy L. Julian, Maywood, and Elmer B. Oberg, Evanston, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application April 8, 1939 Serial No. 266,857

9 Claims. (Cl. 106—38)

1. A process for treating protein comprising dispersing the protein in molten urea, and adding formaldehyde to the thus formed product.

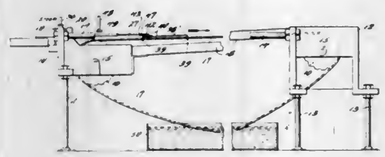
2,249,004

METHOD OF AND APPARATUS FOR TREATING THERMOPLASTIC TUBES

David Kahn and Julius Kahn, North Bergen, N. J., assignors to David Kahn, Inc., North Bergen Township, Hudson County, N. J., a corporation of New Jersey

Application October 31, 1935, Serial No. 47,704

8 Claims. (Cl. 18—5)



2. In a tube drawing apparatus for tubes of thermo-plastic material, a drawing bench having a housing at one end. a die supported at one end of the housing, a mandrel adapted to fit in a tube of plastic material and pass through the housing and die, means to supply the interior of the housing with constantly flowing heating fluid, means to force the mandrel through the die, and a supply pipe for cooling fluid positioned to direct a stream of said fluid against the tube as it issues from the die.

6. A continuous process for the shaping of a thermo-plastic tube by drawing it through a heated die, comprising seating a thermo-plastic tube on a mandrel, then progressively heating said tube to soften it as it is being drawn by applying heat over a small section only of the tube immediately before said section enters the die and drawing the tube through the die to simultaneously and continuously size and shape the interior of the tube to the size and shape of the mandrel, and the exterior of the tube to the size and shape of the die, continuously preliminarily cooling the tube as it issues from the die by flowing a cooling medium in heat exchange with said tube to prevent warping thereof, and finally cooling the sized and shaped tube by immersing the same in a cooling bath.

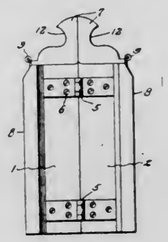
2,249,005

RECEPTACLE FOR POKER CHIPS

Sherman Stewart Karns, San Luis Obispo, Calif.

Application October 3, 1939, Serial No. 297,753

1 Claim. (Cl. 133—11)



A holder of the class described comprising a pair of flat rectangular sections having complemental side faces, means pivotally connecting said sections for folding together to oppose said faces in flush engagement and for unfolding into end to end relation, said sections being provided in said faces with troughs opening at one end onto corresponding side edges of said sections, the pivotal axis of said connection being parallel to the longitudinal axes of the troughs whereby the troughs of said sections mate when the sections are folded to form pockets and whereby the sections are adapted when unfolded to form two side-by-side series of racks, and means to close the open ends of said troughs when the sections are folded comprising a pair of striplike hand grip members pivoted to said side edges of the sections to fold over said edges and close said ends, said members being swingable on said pivots when the sections are unfolded beneath said sections to act as supports for sustaining the sections in inclined positions on a table.

2,249,006

CIRCUIT INTERRUPTER

Fritz Kesselring, Berlin-Frohnau, Paul Duffing, Berlin-Siemensstadt, and Joseph Behringer, Berlin-Friedrichsfelde, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

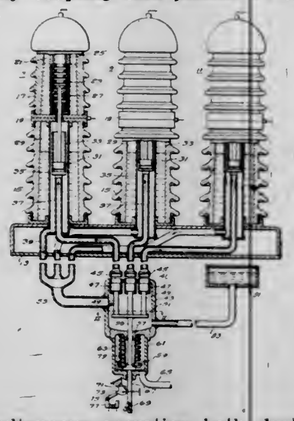
Application February 4, 1939, Serial No. 254,614

In Germany February 11, 1938

15 Claims. (Cl. 200—82)

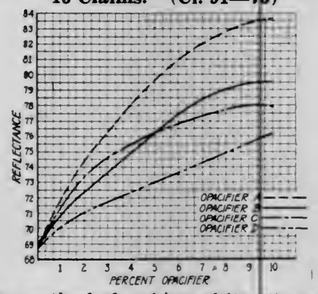
1. In combination, a polyphase circuit interrupter having a movable contact member for each phase, liquid actuated operating means for each contact member, and liquid actuating means for controlling the movement of said operating means, said liquid actuating means comprising a plurality of cylinders one for each phase having an independent liquid connection with a corresponding operating means, a piston operable in

each of said cylinders and means for rigidly mechanically coupling said pistons to each other



for simultaneous operation both during opening and closing of the circuit interrupter.

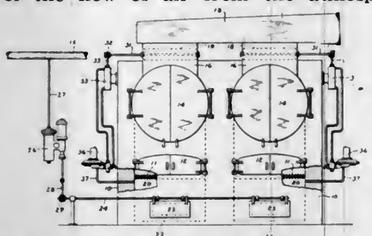
2,249,007
METHOD OF MAKING ENAMELWARE
Charles J. Kinzie and Charles H. Commons, Jr., Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
Application November 10, 1938, Serial No. 239,772
13 Claims. (Cl. 91—73)



1. The method of making white vitreous enamel ware with coatings less in weight than 40 grams per square foot and having a reflectance above 70 and substantially greater than that producible with the frit used and clay alone, which comprises milling a mixture of a white frit 100 parts by weight having a basic reflectance above 60, clay, water and not less than 10 parts by weight of an opacifier selected from the dioxides of the group consisting of zirconium, tin, titanium, hafnium, thorium and cerium, said mixture being ground to a fineness where more than 95% of the particles thereof are less than 44 microns in size to form the enamel slip, applying the said slip to ground coated ware in a thin film not exceeding 40 grams per square foot when fired, and burning the slip-coated ware at firing temperatures to produce said adherent vitreous enamel ware.

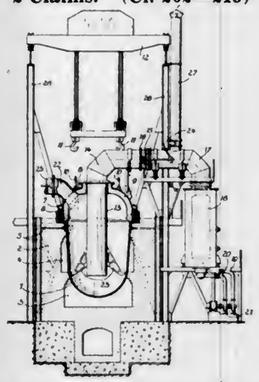
2,249,008
COMBUSTION CONTROL
John J. Klinker, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application April 8, 1939, Serial No. 266,773
5 Claims. (Cl. 236—14)

1. In combination with a fuel-burning furnace having means to maintain a sub-atmospheric pressure at the furnace outlet and a chamber into which air for combustion is drawn directly from the atmosphere solely as a result of said sub-atmospheric pressure, the chamber being located immediately anterior to the zone of initial combustion, an air inlet damper to control the flow of air from the atmosphere



into the chamber, a gas outlet damper at the furnace outlet, and a regulator arranged to control the gas outlet damper in accordance with the pressure in the chamber and to maintain said pressure substantially constant at a value slightly below atmospheric pressure, whereby a substantially constant pressure differential will be maintained across the inlet damper.

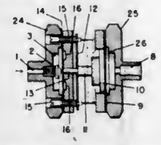
2,249,009
APPARATUS FOR THE DISTILLATION OF HIGH-BOILING LIQUIDS
Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application February 13, 1939, Serial No. 256,077
In Germany February 15, 1938
2 Claims. (Cl. 202—215)



1. Apparatus for the distillation of high boiling substances such as coal tar pitch, residues of mineral oil treatment or residues of the coal hydrogenation and the like, by means of hot gases passed through the material to be treated comprising a bucket like vessel surrounded by refractory material and open at the top, means for heating said vessel from outside, a separately removable cover adapted to close said vessel, said cover having a pipe like projection on its lower side, said pipe like projection being open at its lower end and being designed so as to pass hot gases through the material to be treated in said vessel, said pipe like projection being connected on the upper side of the cover with means arranged outside said vessel and adapted to produce hot gases, said cover further being provided with an outlet adapted to draw-off

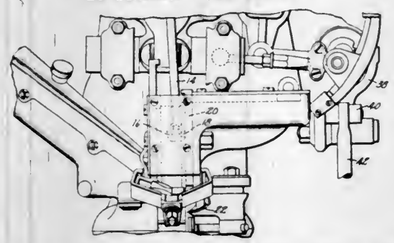
distillation products such as gases and vapours out of said vessel and means for moving hot gases through said vessel connected to the hot gas producing means, the pipe like projection arranged on the lower side of the cover being provided with hook-like extensions protruding sidewards to extract coke when the cover and pipe like projection are withdrawn from the vessel.

2,249,010
WATER PRESSURE GOVERNOR
Otto J. Kuenhold, Sr., Shaker Heights, Ohio, assignor to Monmouth Products Company, Cleveland, Ohio, a corporation of Ohio
Application March 21, 1939, Serial No. 263,264
1 Claim. (Cl. 50—23)



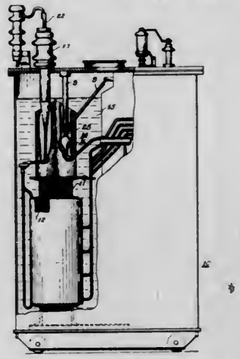
A water pressure governor of the character described comprising a body housing member, end body members secured to opposite ends thereof, one of said end members having an inlet orifice and the other an outlet orifice, flexible diaphragms secured between the end members and said body member in planes normal to the axes of said orifices, a plunger interposed between said diaphragms in alignment with said orifices and engaging the diaphragms to transmit movement of the diaphragm adjacent the outlet orifice to the other diaphragm, said plunger having two shoulders thereon, a leaf spring engaging one of said shoulders to control the strokes of the plunger, screws passing through one of the end members and engaging the ends of the spring to adjust the same, and a key for engaging the other shoulder and operable to move the plunger away from the inlet orifice.

2,249,011
SHOE UPPER CONFORMING MACHINE
Harold Lane, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 23, 1940, Serial No. 325,602
In Great Britain April 24, 1939
15 Claims. (Cl. 12—2)



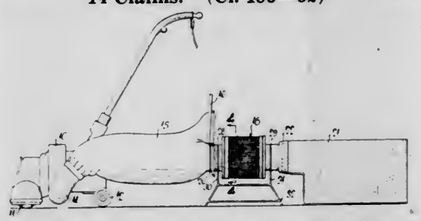
1. A machine for working a shoe upper over a last having, in combination, means for gripping the upper, upper slitting means, means for positively actuating the said slitting means during its entire cycle, and means for initiating the operative movements of the said slitting means in the direction of its slitting stroke while the said slitting means is still remote from the surface of the shoe upper to be slit.

2,249,012
PROTECTIVE DEVICE FOR ELECTRICAL APPARATUS
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 3, 1938, Serial No. 228,335
14 Claims. (Cl. 200—120)



1. A protective device for electrical apparatus provided with a body of dielectric comprising, in combination, a conductor which will fuse when subjected to predetermined electrical conditions, a case for the conductor, the case having an opening therein for receiving the dielectric, the conductor being so disposed in the case that at least a portion of it is immersed in the body of dielectric, and a projectile connected to the one end of the conductor and disposed to be projected through the opening in the case and through the body of the dielectric, the case being so shaped that upon the generation of gases and the development of pressure as a result of the fusing of said fusible conductor, the dielectric in the case is directed toward the arc stream to cooperate in the interrupting of the arc.

2,249,013
CLEANING APPARATUS
Paul B. Levengood, Los Angeles, Calif.
Application September 1, 1939, Serial No. 293,075
14 Claims. (Cl. 183—52)

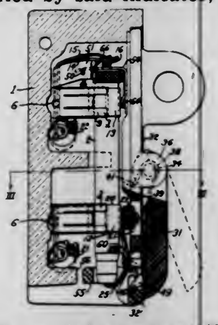


11. In combination, a vacuum cleaning machine having a receptacle for receiving the results of cleaning, a filter secured to said vacuum cleaning receptacle and a second receptacle secured to said filter.

2,249,014
DISTRIBUTION CUTOUT
Harry J. Lingal and Herbert J. Crabbs, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 29, 1936, Serial No. 103,138
10 Claims. (Cl. 200—121)

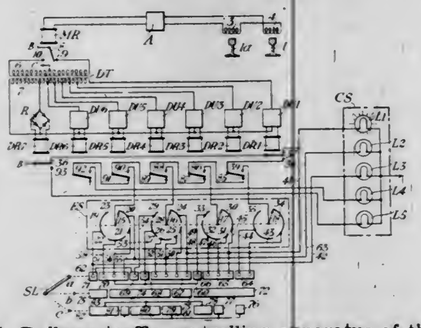
1. In a circuit interrupter, a container, a fuse

tube in said container, a flexible fusible member extending through one end of the fuse tube, a door closing said container, an indicator mounted on said door and biased to a conspicuous position, a retaining device mounted on said indicator and cooperating with said fusible member to hold the indicator close to said door, a bearing member carried by said indicator, and a pintle



carried by the container cooperating with said bearing member to hold said door elevated, said door when lowered being free to open around said pintle, whereby when said fusible member releases said retaining device the indicator moves to conspicuous position, causing the bearing member to cease to cooperate with the pintle and the door to first lower and then swing open.

2,249,015
RAILWAY TRAFFIC CONTROLLING APPARATUS
John W. Logan, Jr., Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 23, 1940, Serial No. 320,241
15 Claims. (Cl. 246—63)



1. Railway traffic controlling apparatus of the type adapted to be employed in conjunction with a stretch of trackway to the rails of which is supplied one or another of a plurality of different forms of trackway energy in accordance with traffic conditions in advance, comprising the combination with train-carried means for receiving energy from the track rails and control means operated by energy supplied from said receiving means and selectively responsive to each of said different forms of trackway energy, of a train-carried multiple indication signal having a clear indication and a plurality of restrictive indications, circuit means controlled by said control means for selectively controlling said signal, and a multiple position manually operable selector lever having contacts interposed in said circuit means and effective to condition said signal to display a restrictive indication at one or another of a plurality of distances in the rear of a danger condition on the trackway according as said selector lever is in one or another of its positions.

2,249,016
ELECTRON MULTIPLYING ELECTRODE
Hans Gerhard Lubszynski, Hillingdon, and James Dwyer McGee, Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application February 8, 1939, Serial No. 255,206
In Great Britain November 24, 1937
6 Claims. (Cl. 250—175)

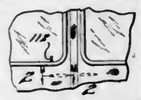


1. An electrode system for a secondary electron multiplier tube comprising a planar grid electrode made up of spaced elements having interstices between them, said elements of which have each two major faces which are wider than the interstices thereof, said elements having the surfaces of one face thereof rendered secondary electron emissive, said grid being adapted to be bombarded by primary electrons on the secondary emissive surface and inclined to the normal path of said primary electrons, and a cooperating accelerating grid electrode adjacent to the other face of said first named electrode, each element of said accelerating grid being in register with a corresponding element of said first named electrode.

2,249,017
COATED WELDING ROD
Arthur R. Lytle, Niagara Falls, N. Y., and Thomas H. Vaughn, Trenton, Mich., assignors to Oxweld Acetylene Company, a corporation of West Virginia
No Drawing. Original application May 13, 1938, Serial No. 207,778, now Patent No. 2,199,440, dated May 7, 1940. Divided and this application January 20, 1940, Serial No. 314,796
1 Claim. (Cl. 219—8)

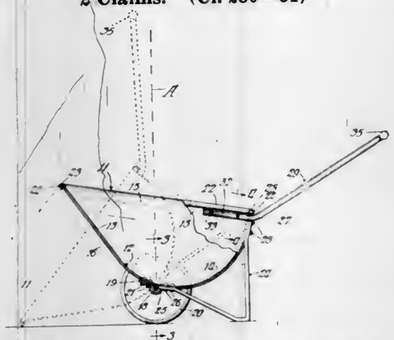
Welding rod comprising a metal core and an adherent coating thereon, such coating comprising a solid weld modifying substance and a thermoplastic rubber hydrochloride characterized by the fact that when the rod is used for welding substantially no charred residue and substantially no disagreeable fumes are produced.

2,249,018
LOCKING DEVICE
Rollo Marple and Albert F. Baker, Jackson, Mich., assignors to Hancock Manufacturing Company, Jackson, Mich., a corporation of Michigan
Application March 9, 1939, Serial No. 260,679½
17 Claims. (Cl. 70—149)



1. In a door latch, the combination of a bolt releasably engageable with a keeper, and control mechanism operatively associated with said bolt comprising holding means for urging said bolt into engagement with the keeper so as to hold the door in a closed position, a manual control member normally operative to effect a release of said holding means so as to enable said door to be opened, a control device operative from an unlocked position to a locked position in which it prevents release of said holding means by said manual control member, a closing movement of said door normally restoring said locking device to its unlocked position and thereby enabling a release of said holding means by said control member, and said mechanism further comprising control means for rendering said closing movement of the door ineffective to so restore said control device.

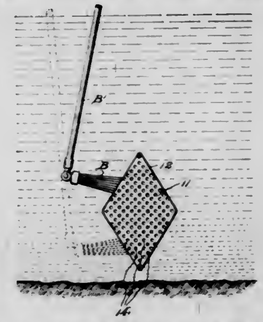
2,249,019
HAND CART
Edwin L. Masters, Chicago, Ill.
Application February 14, 1940, Serial No. 318,848
2 Claims. (Cl. 280—51)



1. A cart having a receptacle comprising a load supporting member provided with a substantially flat normally inclined portion adjacent its front end and with an integrally formed curved portion adjacent its rear end, substantially flat vertically disposed side walls secured to said load supporting member, said flat and curved portions of the supporting member and said side walls having hollow beads adjacent their upper edge portions, a continuous reinforcing rod extending through said beads, an axle secured to said supporting member, wheels on said axle, a handle having leg portions secured to the respective side walls closely adjacent the beads formed thereon, and a ground engaging bracket having an end portion terminating in engagement with said axle and secured to said receptacle, said bracket having its opposite end portion terminating in engagement with the bead formed on the curved portion of the load supporting member and secured to said curved portion of the member.

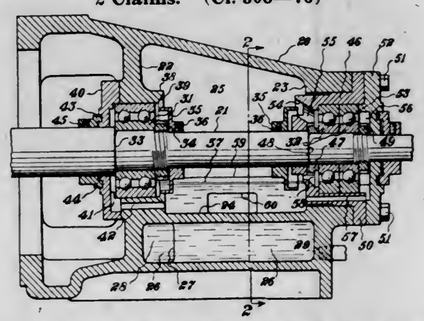
2,249,020
STRAINER
William K. McFarlin, East Orange, N. J.
Application January 24, 1940, Serial No. 315,354
2 Claims. (Cl. 210—170)

1. A strainer comprising, a hollow body of diamond shape in transverse vertical cross-section having transverse end walls and interconnecting perforate side wall sections which lie in planes acutely angular to the plane of the major axis of said body, one end wall having a centrally located coupling means for attachment to a supply pipe to be served by said body, said body, in use, being disposed with its major axis perpendicular to the surface of the liquid in which it is submerged, whereby one acute apex is upwardly directed and the opposite acute apex is downwardly directed, thus exposing the perforate side wall sections for easy engagement by



a cleaning brush when the same is passed downwardly through the liquid and manipulated by its handle from a point above the liquid surface level.

2,249,021
OILING DEVICE
Anthony L. McHugh, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application November 18, 1938, Serial No. 241,208
2 Claims. (Cl. 308—76)

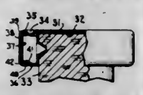


1. An oiling device, comprising a casing having a wall to divide the casing into a reservoir for oil and a passage for cooling medium, said wall forming the bottom of the reservoir, means for delivering cooling medium to the passage for cooling the wall, a shaft extending through the reservoir, bearings at the opposite ends of the reservoir for the shaft, splashers on the shaft for splashing oil upon the bearings, means in the casing in the transverse planes of the splashers to deflect oil hurled by the splashers to the bearings, and dams on the opposite sides of the reservoir extending longitudinally through the reservoir on the wall from one bearing to another to receive oil thrown by the splashers and having ports intermediate their ends to deliver such oil to the portion of the wall lying between the dams.

2,249,022
CLOSURE CORK STRUCTURE
Augustus L. Merolle, Brooklyn, N. Y., assignor to Empire Metal Cap Co. Inc., Brooklyn, N. Y., a corporation of New York
Application April 10, 1937, Serial No. 136,041
1 Claim. (Cl. 215—48)

A closure comprising in combination a cork and

a plural part metal top comprising a cap portion and a shell portion, said cap portion comprising an inner wall surrounding a cork recess, an outer wall surrounding and spaced from the said inner wall and a third wall connecting the said inner and outer walls, said shell portion comprising a top and a skirt depending there-



from and surrounding said outer wall, the top of the shell portion having a circumferential groove forming a recess upon the interior of the shell portion, the edge of the outer wall of the cap portion being tightly curled in the last mentioned recess and said skirt having its edge turned inwardly about the bottom of said cap portion.

2,249,023

METHOD OF PREPARING COLLOIDAL SILVER IODIDE COMPOSITION AND THE PRODUCT

Michael G. Minaeff, Metuchen, John P. Greze, Plainfield, and Rudolf J. Priepke, New Brunswick, N. J., assignors, by mesne assignments, to A. C. Barnes Company, Inc., New Brunswick, N. J., a corporation of Delaware

No Drawing. Application December 10, 1938, Serial No. 244,920
7 Claims. (Cl. 252—313)

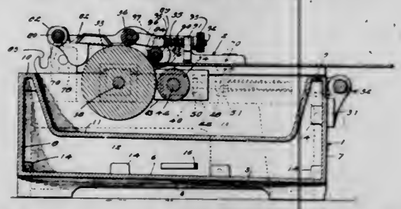
4. A method of preparing colloidal silver iodide compound containing a colloidal zinc compound, which comprises heating a mixture of gelatin and a water solution of sodium hydroxide to a boiling temperature, cooling the mixture and dividing it into two equal parts, mixing a water solution of mild silver protein with one part, dissolving iodine crystals in that part, decanting the mixture to remove the excess iodine, mixing a solution of zinc chloride with the other portion of the gelatin solution, mixing the two together, and adjusting the pH value of the mixture to about 7.0 to 9.0.

2,249,024

GLUING MACHINE

Julius M. Minkow, New York, N. Y., assignor to Minco Products Corporation, New York, N. Y., a corporation of New York

Application June 21, 1939, Serial No. 280,393
10 Claims. (Cl. 91—51)



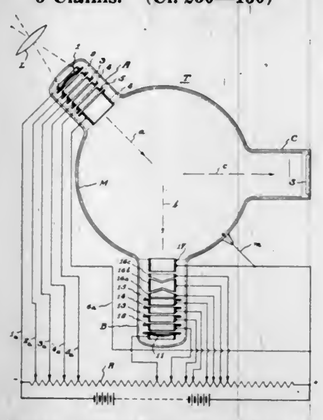
1. In a machine for the purpose set forth, a supporting structure having means to provide an open top compartment for a liquid coating, a coating applying roll supported from the sides of said structure depending into said compartment, a bodily adjustable wiping roll arranged in said compartment adjacent to said applying roll, a pair of adjustable horizontally shiftable parallel carriers for adjusting said wiping roll mounted in the sides of said structure, the said carriers including yieldingly urged parts connected with said wiping roll, and a combined adjusting and latching means supported from one end of said structure for, connected to and engaging with the front ends of and common to said shiftable carriers for adjusting them in unison and for holding them in adjusted position, said adjusting and latching means including a shaft provided at its ends with trunnions eccentrically disposed with respect to the axis of said shaft and extending through the front ends of said carriers for connecting said means to the carriers.

2,249,025

ELECTRON-OPTICAL DEVICE

George A. Morton, Audubon, and Edward G. Ramberg, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application February 28, 1938, Serial No. 193,134
5 Claims. (Cl. 250—150)



1. An image intensifier comprising an evacuated envelope containing a photosensitive image cathode, a secondary electron emissive image intensifying electrode and an image target electrode, said cathode, intensifying, and target electrodes being mounted in spaced relation about and facing a common reference point which is determined by the intersection of lines drawn normal to the respective electrodes from their respective midpoints, the angle formed by the intersection of the line from the cathode to said reference point and the line from said reference point to said intensifying electrode being substantially greater than the angle formed by the intersection of said last mentioned line with the line drawn from said target electrode to said reference point.

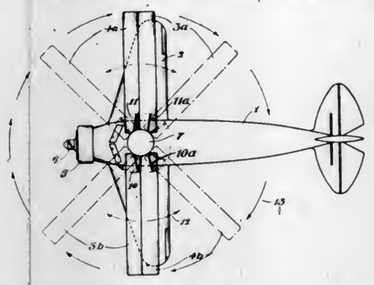
2,249,026

AIRPLANE

Garland H. Mourning and Frank H. Richterkessing, Louisville, Ky., assignors to John L. Milton, Louisville, Ky.

Application February 28, 1938, Serial No. 193,150
8 Claims. (Cl. 244—7)

1. A device for use with a heavier than air machine comprising, a support rotatably mounted upon the fuselage of the said machine; four blades each pivotally secured to the said support for a lateral movement in the same plane; means operatively connected to each of the said blades for moving them into a position substantially at right angles one with the other to form an aerodynamically-driven rotating wing system, and for folding the blades in pairs into longitudinal alignment one with the other to form a substantially uniform longitudinal wing structure; means operatively associated with the said support for retaining the said rotatable support



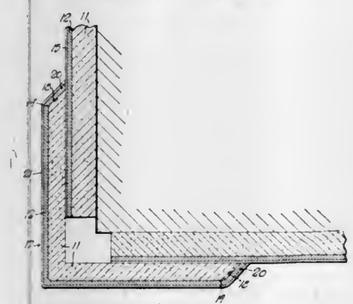
stationary so that the folded blades project substantially longitudinally outwardly and beyond opposite sides of the said fuselage; and means releasing the said retaining means when the blades are moved to form the said rotating wing system.

2,249,027

BUILDING CORNER PIECE

Henry A. Mulderink, South Bend, Ind., assignor to Mastic Asphalt Corporation, South Bend, Ind., a corporation of Indiana

Application January 31, 1940, Serial No. 316,479
3 Claims. (Cl. 20—5)



2. A building corner piece adapted to overlie end portions of building covering panels on adjacent building walls and each having a plurality of horizontal mortar joint simulations, comprising a vertically elongated rigid member of L-shape in cross section, said member having its opposite longitudinal edges tapered from front to rear to conceal the thickness thereof when in overlying relation to said panels, said member having a plurality of horizontal mortar joint simulations extending thereacross and across said tapered edges to merge with the joint simulations of said panels.

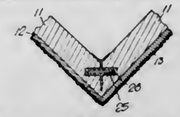
2,249,028

BUILDING CORNER AND METHOD OF MAKING THE SAME

Henry A. Mulderink, South Bend, Ind., assignor to Mastic Asphalt Corporation, South Bend, Ind., a corporation of Indiana

Application March 4, 1940, Serial No. 322,076
11 Claims. (Cl. 20—5)

1. A building corner comprising a pair of angularly disposed rigid portions having abutting edges, each portion having a recess at said edge, and thermoplastic material between and adhering to said edges and filling and adhering to said recesses.

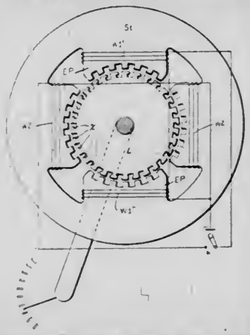


2,249,029

MOTOR DRIVING DEVICE FOR SELECTORS IN COMMUNICATION SYSTEMS

Kurt Müllerheim, Berlin-Charlottenburg, Germany, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany

Application May 29, 1936, Serial No. 82,516
In Germany June 13, 1935
1 Claim. (Cl. 177—353)



A switching arrangement comprising a selective switching device which comprises a plurality of circumferentially disposed contact lamellae, a rotary selector having a selector axle and adapted to set over said lamellae, a toothed unwound rotor mechanically connected to directly drive said selector axle, a stator having a plurality of poles, each pole being sub-divided into a plurality of like poles all having a common field winding, said poles being variously displaced with respect to the teeth of said rotor by fractions of the rotor toothed pitch, and means for magnetizing said stator poles in periodic sequence in response to switch actuating current impulses, the angular tooth pitch of said toothed rotor being an exact sub-multiple of the angular contact pitch of said contact lamellae, and further comprising a current impulse multiplying device having means to shift the energization from one group of stator poles to another group of stator poles twice for each energization and twice for each de-energization of said impulse multiplying device, whereby alternate energization of said poles results in step-by-step movement of the rotor in the same direction, and a line over which control pulses are transmitted to said impulse multiplying device.

2,249,030

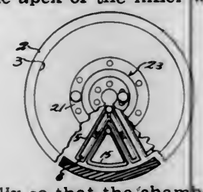
ELECTRIC ACCUMULATOR

Herbert Neale, Los Angeles, Calif.

Application January 26, 1940, Serial No. 315,774
2 Claims. (Cl. 136—6)

1. In an electric battery, a hollow grid plate having reticulated walls and said plate having a generally V-shaped cross-section and the valley side being longitudinally open for unobstructed reception of a complementary member; the val-

ley rims being closed and the apex of the outer wall and the apex of the inner wall being joined



longitudinally so that the chamber of the hollow plate is closed at the apices and at the valley rims.

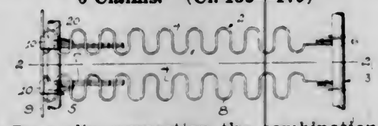
2,249,031

YIELDING CLIP CONNECTION FOR SPRING SEAT STRUCTURES

William H. Neely, Cleveland, Ohio, assignor, by direct and mesne assignments, to John C. Lincoln, Scottsdale, Ariz.

Application December 6, 1938, Serial No. 244,188

6 Claims. (Cl. 155—179)



5. In a clip connection the combination of a wire spring having a plurality of loops to form a substantially sinuously shaped, flat spring, a wire member attached to said spring, and an elongated clip attaching said wire member to said spring, said clip being sleeved over one of the loops of said spring and including spaced top and bottom members, connected at their one ends integrally with each other and formed at their connection with a seat for two wires to accommodate the wire of one part of the said one loop and the said wire member, and said top and bottom members being provided at their other ends with co-operating hook-shaped means providing a seat for the wire of the other part of the said one loop.

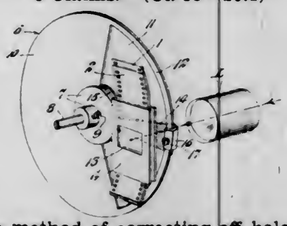
2,249,032

COLOR PHOTOGRAPHY

Frederick T. O'Grady, Flushing, N. Y.

Application November 30, 1938, Serial No. 243,069

9 Claims. (Cl. 88—16.4)



1. The method of correcting off-balance negative recording of different colors in color photography comprising photographically recording simultaneously, by a single negative exposure to a color light flux from a scene to be photographed, a plurality of complementary color records of the scene by means of a main color ray separating and recording means to produce a plurality of complete color records, and limiting the recording of one of said colors by subjecting the said single exposure light flux to an additional supplementary color filtering action during a portion only of the exposure period by interposing in said light flux during said single exposure an additional secondary light filter of a color to obstruct the passage of light rays of said one of said plurality of colors during a portion only of the exposure period and permit the passage during the entire exposure period of light rays of another of said plurality of colors, to thereby reduce the time period during which light rays of the color obstructed by said additional secondary filter means will pass during the single exposure period, to secure a selected color balance in the color records of the scene photographed.

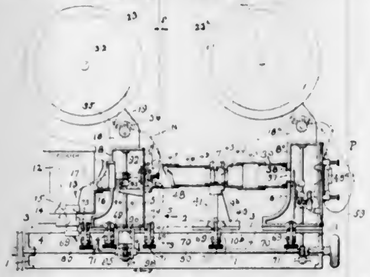
2,249,033

APPARATUS FOR PRINTING MOTION PICTURE FILMS

Frederick T. O'Grady, Flushing, N. Y.

Original application November 1, 1937, Serial No. 172,089, now Patent No. 2,207,103, dated July 9, 1940. Divided and this application June 8, 1940, Serial No. 339,436

2 Claims. (Cl. 88—24)



1. Motion picture film-printing apparatus comprising optical means, a negative film supporting and advancing unit and a positive film supporting and advancing unit both mounted in alinement with the optical axis of said optical means for printing projection of successive pictures from a negative film through the optical means and upon successive picture spaces of a positive film, characterized in that said negative unit is adjustable along said optical axis toward and from the optical means, and there are positive stop means to limit said adjustment to a distance equal to the thickness of the negative film base, to compensate in focusing for location of an emulsion coating on either the front face or the rear face of the negative film.

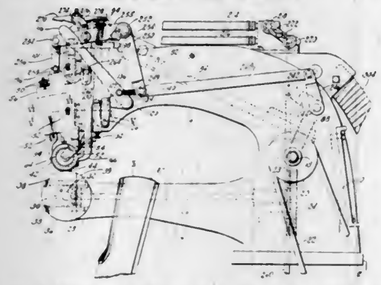
2,249,034

SEAM-REDUCING MACHINE

John R. Oliver, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application March 22, 1940, Serial No. 325,452

21 Claims. (Cl. 69—7)



1. In a seam-reducing machine, a lower driven feed roll for supporting a piece of work, a pair of spaced, upper, driven feed rolls coacting with said first roll for engaging the other side of the work on opposite sides of a seam therein, and seam-reducing means between said upper feed rolls.

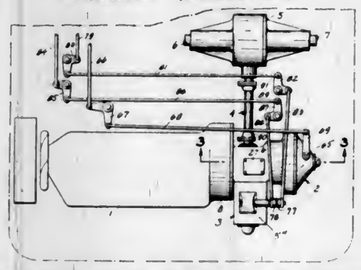
2,249,035

POWER AND TRANSMISSION UNIT

Carl D. Peterson and Elmer J. Barth, Toledo, Ohio

Application June 6, 1939, Serial No. 277,681

3 Claims. (Cl. 180—54)



1. In a transmission mechanism for automotive engines having a fly wheel housing, a clutch housing including a section in which the clutch is contained, and an intermediate boxlike section having a wall remote from the former section provided with means for securement to the fly wheel housing of the engine, a gear box for a change-speed gearing extending laterally from one side of the intermediate boxlike housing, a clutch drive shaft journalled at its opposite ends in one wall of the clutch housing and in the wall of the boxlike housing provided with said means, a clutch driven shaft extending into the intermediate boxlike housing, the transmission mechanism including input and output shafts, the output shaft extending transversely of the intermediate boxlike housing crosswise of the clutch drive shaft, and motion transmitting means in the boxlike housing between the clutch driven shaft and the input shaft of the gearing.

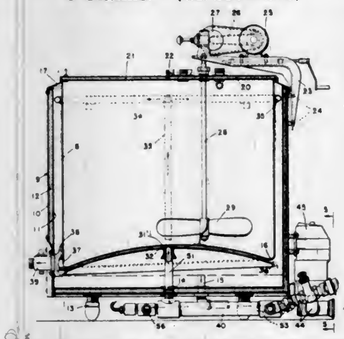
2,249,036

PASTEURIZER

Norman J. Peters, Fond du Lac, Wis., assignor to Damrow Brothers Company, Fond du Lac, Wis., a corporation of Wisconsin

Application March 13, 1939, Serial No. 261,516

3 Claims. (Cl. 257—212)



1. In a device of the character described, the combination of an outer container, an inner container disposed within said outer container and in spaced relation thereto at the sides and bottom thereof and having siding and a bottom extending at an abrupt angle to said siding, a spreader plate adjacent the bottom of said inner container throughout substantially its entire area, means for circulating a thermal changing liquid through the outer container to change the temperature of the contents of the inner container including means for spraying streams of said liquid downwardly along the sides of said inner container and for directing a stream of said liquid between the bottom of said inner container and said plate, the bottom of said inner container being spaced from that of said outer container to provide a liquid storage space below said inner container.

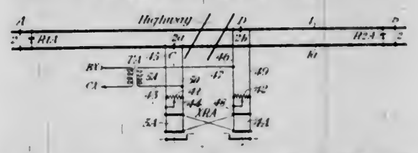
2,249,037

HIGHWAY CROSSING PROTECTION

George R. Pflasterer, Greenville, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 25, 1939, Serial No. 286,328

8 Claims. (Cl. 246—130)



8. In combination with a section of railway track intersected by a highway, a first insulated rail joint in one rail at one side of the highway, a second insulated rail joint in the other rail at the other side of the highway, said two rail joints dividing said section into a first and second adjoining track circuit, a first and a second rectifier connected across the rails at one and the other end respectively of said section, both of said rectifiers being poled in the same direction from said one rail to said other rail whereby simultaneous shunting of said two rail joints due to the passage of a train will cause the voltages of said two track circuits to aid one another rather than to neutralize, a direct current interlocking relay having one magnet included in said first track circuit and having another magnet included in said second track circuit, said one magnet being connected around said first rail joint and said other magnet being connected around said second rail joint, and a source of alternating current for energizing both said track circuits with an inter-rail potential of the same instantaneous polarity in the respective rails thereof and connected across the track at said highway location from a rail of one track circuit to the opposite rail of the other track circuit to thereby energize said two magnets of the interlocking relay when said section is unoccupied.

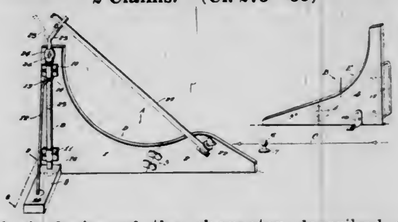
2,249,038

DEVICE FOR TEACHING GOLF SWING

Wesley Ellington, Hillsboro, Tex.

Application October 9, 1939, Serial No. 298,533

2 Claims. (Cl. 273—35)



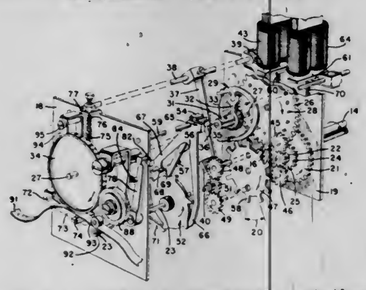
1. A device of the character described com-

prising a pair of sectional hinged units spaced apart in parallel relationship, one of said units having a cut-away to provide a recess, means for supporting the units in a vertical position, means for folding the units to a collapsed non-use position, a spool mounted on one end of one of said units, a tape holding means mounted on the opposite end of said unit, a tape or the like wound on said spool and extended from said spool to said tape holding means, means for holding the tape in said tautened position, and means for adjusting said tape holding means.

2,249,039
YARNS AND FABRICS
Herbert Platt, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 23, 1938, Serial No. 191,970
12 Claims. (Cl. 28—1)

1. A stiffened non-crepe fabric comprising yarns containing an organic derivative of cellulose, said yarns having a set twist of a twist coefficient of from 320 to 480.

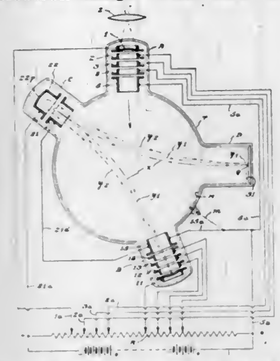
2,249,040
PRINTING TELEGRAPH APPARATUS
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 23, 1938, Serial No. 215,343
33 Claims. (Cl. 178—35)



1. In a recorder, a constantly rotating type wheel, signal controlled means to determine the character to be recorded according to the position of the type wheel when the signal is received, and all-mechanical means local to the recorder to time the operation of the recorder within certain limits of variation in the time of arrival of the signal to insure accurate recording of the character.

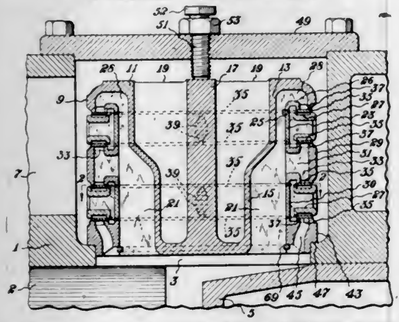
2,249,041
ELECTRON-IMAGE DEVICE
Edward G. Ramberg, Haddon Heights, and George A. Morton, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 31, 1938, Serial No. 199,110
3 Claims. (Cl. 250—150)

1. An electron-image device comprising a photosensitive image-cathode adapted to release an entire electron-image in response to the impress thereon of a light-image, an image-intensifying electrode, an electron-mirror and an image-target electrode each having a surface area corresponding substantially to the area of said image-cathode, means for directing said electron-image from said cathode to said intensifying electrode, means for directing a secondary electron-image from said intensifying



electrode to said electron-mirror, and means for directing said secondary-electron image to said target electrode.

2,249,042
VALVE
Lloyd N. Robinson, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application December 19, 1938, Serial No. 246,629
4 Claims. (Cl. 277—60)

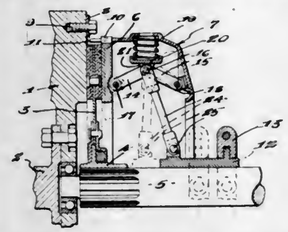


1. In a valve assembly for a fluid compressor, a valve body, ribs extending from the valve body, a removable ring member supported by the ribs and encircling the valve body, a T-shaped conduit in said ring member providing alined valve ports at the ends of the cross of the T, annular valves for the ports, and removable annular members supported by the ribs and surrounding the valve body to provide guides for the valves.

2,249,043
CLUTCH
Robert S. Root, Syracuse, N. Y., assignor to W. C. Lipe, Inc., Syracuse, N. Y., a corporation of New York
Application January 19, 1940, Serial No. 314,665
4 Claims. (Cl. 192—68)

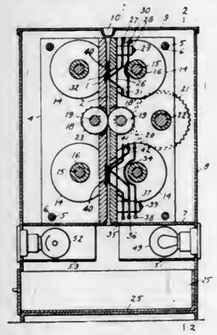
3. In a friction clutch including driving and driven members, a pressure ring, a clutch shaft, and a back plate, one of said members being a disk mounted on the clutch shaft and having friction faces between the other of said members and the pressure ring; the combination of operating means including toggles, each comprising links pivoted together at like ends and at their other ends to the pressure ring and the back

plate respectively, the toggles extending in a direction axially of the clutch, springs arranged radially relatively to the axis of the clutch and to the joints of the toggles, these springs thrusting radially against the joints of the toggles and



tending to straighten them, an operating sleeve movable along the clutch shaft and thrust links, each pivoted at its opposite ends to the sleeve and to the joint of one of the toggles to transfer the movement of the sleeve to the toggles to fold the toggles against the action of the springs.

2,249,044
TICKET REGISTERING MACHINE
Jay Rose, Brooklyn, N. Y.
Application February 18, 1938, Serial No. 191,130
2 Claims. (Cl. 235—92)



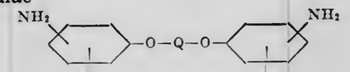
1. A ticket registering machine comprising a ticket guide, means to pull tickets including strips of tickets separated by holes through the guide, an electric counter for the tickets, a pair of contact points at the upper portion of the guide, resilient members supporting the contact points normally keeping the points separated, one of said members being adapted to slidably engage a ticket passing through the guide, and to be raised by the ticket for closing the contact points, the sliding member being wider than the holes between the tickets, a second pair of contact points at the lower portion of the guide, resilient members supporting the second contact points adapted to keep the points separated, one of the lower members being adapted to slide over the ticket in the guide, thereby closing the lower contact points and being adapted to enter the holes between the tickets for disconnecting the lower contact points, a circuit including in series the counter, upper and lower pairs of contact points and a source of electric current, means to close the circuit by a ticket engaging by its ends the two sliding members, the circuit remaining open when a shortened ticket passes through the guide, a photocell at the lower end of the guide, an electric lamp to illuminate the photocell, the photocell being adapted to be screened from the lamp by a full length ticket emerging from the guide, a relay in the circuit of the counter, and means to energize the relay by the photocell, to keep the counter circuit closed when the hole between the first and second tickets at the front end of a strip of tickets receives the lower sliding member and if the first ticket is of a substantially shortened length unable to screen the photocell from the light.

2,249,045
AZO DYES
Swanie S. Rossander, Wilmington, Del., Donovan E. Kvalnes, Penns Grove, N. J., and Chiles E. Sparks, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 12, 1939, Serial No. 294,430
17 Claims. (Cl. 260—145)

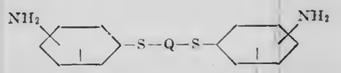
1. The azo compounds represented by the formula

$$A{\leftarrow}Y{\leftarrow}X{\rightarrow}Y{\rightarrow}A$$

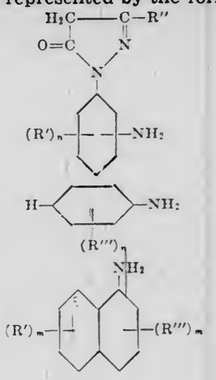
in which X is one of a group represented by the formulae



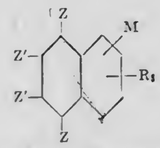
and



wherein Q is a radical of the group consisting of straight and branched chain alkylene radicals having 1 to 10 carbons, mono-hydroxy-alkylene radicals having 3 to 7 carbons wherein the hydroxy group is attached to a carbon other than that directly attached to —O— or —S— and alkylene ether radicals having 1 to 4 carbons in each alkylene group; R′ is at least one of the group consisting of hydrogen, alkyl having 1 to 6 carbons, the corresponding alkoxy groups, halogen, carboxy and sulfonic acid and n is 1 to 4; each Y is one of a group consisting of radicals of amino-phenyl pyrazolones, amino benzenes, naphthylamines and 1- and 2-amino-naphthol sulfonic acids represented by the formulae

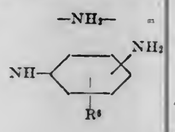


and

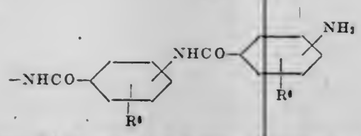


in which R″ is from the group consisting of

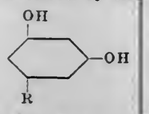
methyl and carboxyl; R''' is from the group consisting of hydrogen, alkyl and alkoxy; *n* is 1 to 4; *m* is 1 to 2; R^5 is one of a group consisting of hydrogen, alkyl, alkoxy and sulfonic acid; one Z is hydroxy and the other is hydrogen; the Z' which is meta to hydroxy is sulfonic acid and the other is hydrogen; M is in the 1- or 2-position of the naphthalene nucleus and is one of a group consisting of



and



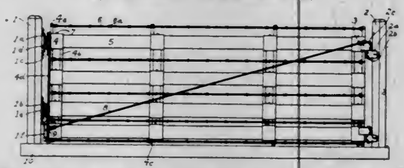
wherein R^6 is one of a group consisting of hydrogen, alkyl, alkoxy, halogen and sulfonic acid, and amino is in the meta or para position to —CO—; and each A is a radical of a metadihydroxy benzene represented by the formula



wherein R is one of a group consisting of hydrogen, alkyl having 1 to 6 carbons, the corresponding alkoxy groups, amino, halogen, CN, carboxyl and sulfonic acid.

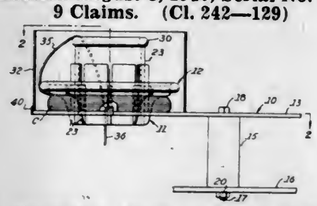
13. The formaldehyde and metal complexes of the compounds of claim 1.

2,249,046
FARM GATE
Jesse R. Royer, Janesville, Iowa
Application July 3, 1939, Serial No. 282,697
1 Claim. (Cl. 256—73)



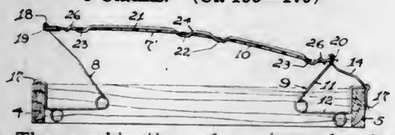
In a farm gate, in combination, spaced forward and rear fixed posts, the gate having a plurality of like metal standards including vertically spaced C-shaped boxes opening at one side of the gate and rigidly connected by spaced vertical arms, the rear standard boxes being closed rearwardly, wooden horizontal beams removably seated through said boxes, vertically spaced hinged connections between the rear post and the rear cross walls of certain of said boxes, separable linking connections between the forward post and certain parts of the forward standard, a vertical rearwardly dentated member fixed on the lower forward part of the forward standard, strain rods positioned alongside the opposite faces of the gate, connected at their rear ends to the uppermost part of the rear standard, inclined forwardly downwardly with their forward ends connected by a transverse clevis adapted to adjustably seat between detents of the dentated member, the forward end parts of the upper and lower boxes of the forward standards being apertured in alinement, and a headed pin traversing the apertures of said end parts removably to close the forward open ends of the forward standards.

2,249,047
DISPENSING DEVICE FOR COILED WIRE
Kenneth F. Russell, Claremont, Calif., assignor to Herman H. Garner and Bess A. Garner, both of Claremont, Calif., as joint tenants
Application August 3, 1940, Serial No. 350,461
9 Claims. (Cl. 242—129)



1. A dispensing device for a coil of wire comprising: means for supporting the coil of wire in substantially horizontal disposition; a non-rotating means of flared configuration adapted to rest in and on said coil to tend to spread said coil radially, said means being free to descend as the coil diminishes; and a guide ring above said coil larger in diameter than the individual turns of the coil, said guide ring having a smooth circumferential surface whereby wire may be drawn upward over said smooth circumferential surface and in sliding over said surface in a continuous rotary direction around the guide ring.

2,249,048
REINFORCING MEMBER FOR FLAT WIRE SPRINGS
William C. Sandor, Parma, Ohio, assignor, by direct and mesne assignments, to John C. Lincoln, Scottsdale, Ariz.
Application June 21, 1939, Serial No. 280,282
5 Claims. (Cl. 155—179)

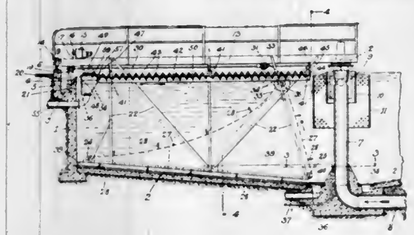


2. The combination of a sinuously shaped, slightly curved, flat wire spring having open loops with a slightly curved wire re-enforcing member interwoven with the loops of said spring by entering said wire member alternately from opposite sides into said loops, said wire member including parallel offsets spaced from each other for alternate contact of said member with the top and bottom faces of said flat wire spring.

2,249,049
SCUM SKIMMER
William W. Sayers, Chicago, Ill., and Marcus B. Tark and Harold F. Watson, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application December 24, 1938, Serial No. 247,674
13 Claims. (Cl. 210—3)

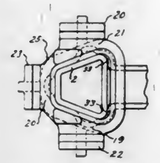
1. Means for collecting scum from the surface

of a tank which consists in a backboard mounted for movement across the surface of the tank, means for moving scum along the backboard parallel therewith, means for concentrating the scum beyond the end of the backboard and means for



raising the concentrated scum above the level of the liquid in the tank and discharging it, the scum collecting means comprising a rotary screw conveyor, the flights thereof being partially immersed in the liquid of the tank.

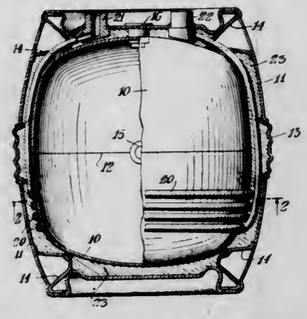
2,249,050
VEHICLE JACKING STRUCTURE
Frank W. Schmidt, Jackson, Mich., assignor to Ryerson & Haynes, Inc., Jackson, Mich., a corporation of Michigan
Application February 6, 1936, Serial No. 62,574
4 Claims. (Cl. 254—108)



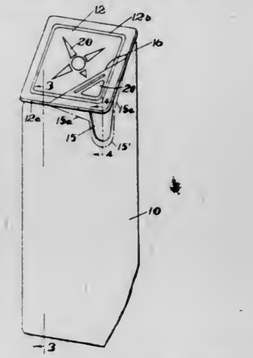
2. A vehicle jack comprising a toothed column, a member mounted on said column for slidable movement relative thereto, and a mechanism to actuate said member along said column, said mechanism comprising an actuating lever pivoted to said member, a holding detent pivoted to said member, a lifting pawl, a pin supported by said lever pivoting said lifting pawl to said lever, said pin having an extension, a slot in said member associated with said pin extension, said slot and projection limiting the pivotal movement between said lever and said member, and means operatively associated with said lifting pawl and detent to control their operation during operation of said lever.

2,249,051
BEVERAGE CONTAINER
Herman E. Schulse, Miami, Fla.
Application November 8, 1937, Serial No. 173,381
7 Claims. (Cl. 257—14)

1. A shipping, cooling and dispensing brew keg of the type comprising an inner metal wall formed of two cup-shaped parts having their edges abutting and welded together and an outer wall spaced off from the inner wall in heat-insulating relation with respect thereto, having a filling bung hole in its side wall and a draft outlet in its upper double-wall head; having in combination therewith means providing a cooling fluid conduit encircling the lower half of the inner wall and in heat abstracting relation therewith and spaced from the outer wall, said conduit having risers extending upward along the inner wall and having coupling connections accessible at the upper head for admission and discharge of cooling fluid.

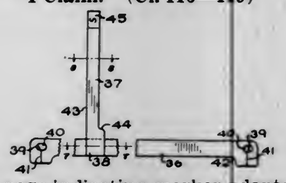


2,249,052
GERMPROOF PAPER MILK CONTAINER
Otto E. Seiffert, Union, N. J.
Application July 28, 1938, Serial No. 221,671
3 Claims. (Cl. 229—7)



1. A germ-proof paper liquid container, comprising a water proof paper or the like container body open at the top and of paper of uniform thickness throughout its area, a water proof paper or the like cover for said body extended across said open top and having its edges and the top edges of said container body turned into a double rolled seam, and said cover being of paper of uniform thickness throughout its area and a pull tab continuing from a portion of the edge of said cover and extending a short distance downward along the side of said container body, whereby a person may pull the pull tab with the thumb and index finger to open up a small portion of said double rolled seam so that the freed portion of the cover may be bent upwards and the opening used to pour out the liquid and then the bent up portion of the cover may be bent downwards with one's fingers to reclose the container, said container body being substantially square in transverse cross section and having rounded corners, and the sides of said container body being tapered so that the dimensions of the perimeter of the double rolled seam are substantially identical with the dimensions of the perimeter of the bottom of the container body and said pull tab is disposed within the compass of said perimeters.

2,249,053
BOOKMARK
Arthur G. Smith, Elyria, Ohio
Application May 5, 1939, Serial No. 271,905
1 Claim. (Cl. 116—119)



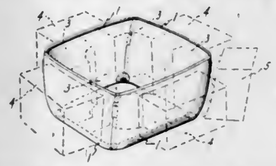
A book page indicating marker adapted for being disposed between adjacent pages in a book, comprising in combination, a substantially long and thin arm member, a lower edge portion of said arm member that is substantially straight for the greater part of its length and that is inclined at one portion to provide one arm end portion of a width that is substantially broader than the width of the remainder of said arm, a substantially long and thin arm supporting member to which the arm end portion of increased width is attached so that the arm and the arm supporting members are disposed with respect to each other at substantially a right angle and in substantially a common plane and said arm and said arm supporting members being secured together against rotation with respect to each other by an edge of said arm member being substantially abutted by a part of said arm supporting member, and arm supporting member end portions disposed at opposite ends thereof and individually apertured to provide a cord compartment therein and said cord compartment opening outwardly of said arm supporting member thru a slit that extends in a direction away from the direction in which said arm member extends from said arm supporting member, and said slit edge portions of said arm supporting member end portions being in substantially releasable engagement with each other when in their normal slit closed positions.

2,249,054
CHROMANES AND METHOD OF PRODUCING THE SAME
Lee Irvin Smith and Herbert E. Ungnade, Minneapolis, Minn., assignors to Regents of The University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application May 31, 1938, Serial No. 211,077
7 Claims. (Cl. 260—333)

1. A process for the production of tocopherol-like compounds which comprises reacting an aromatic compound containing a free hydroxyl group and an unsubstituted position ortho to said hydroxyl group and selected from the group consisting of alkyl-substituted-para-dihydroxy benzenes and their mono ethers, with a $\Delta^{1,2}$; $\Delta^{3,4}$ diene, in the presence of an acidic substance.

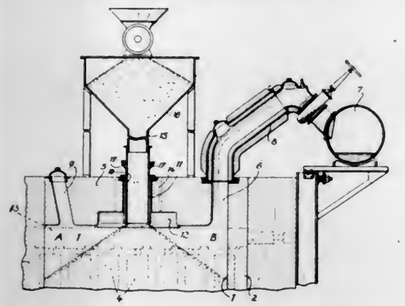
2,249,055
SHEET METAL CONSTRUCTION
Samuel A. Snell and Philip R. Oster, Jackson, Mich., assignors, by direct and mesne assignments, to Townsend F. Beaman, Jackson, Mich., trustee
Application February 4, 1939, Serial No. 254,569
1 Claim. (Cl. 248—151)

A washing machine skirt and leg assembly comprising a skirt formed from a plurality of preformed concavo-convex side sections, such sections having arcuate vertical edge portions terminating in corner flanges, the flanges of adjacent sections being overlapped and joined together to form a two-ply corner reinforcement, legs embracing and overlapping at their upper ends substantial portions of the arcuate corners defined by said adjacent sections, the upper ends of said legs being of arcuate cross section, to conform with said arcuate corners



and having their vertical edges abutting said skirt at opposite sides of said overlapping corner flanges, an attachment bracket anchored to the inside of each of said legs adjacent its upper end and being completely concealed, and a removable fastener extending through said corner reinforcement and anchored to said bracket to secure the leg to the skirt, said removable fastener being accessible only from the inside of said skirt.

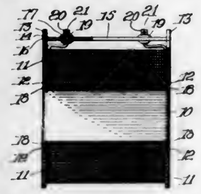
2,249,056
CONTINUOUSLY OPERATED VERTICAL CHAMBER OVEN FOR THE PRODUCTION OF GAS AND COKE
Paul Soulary, Bruay, France, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application September 19, 1938, Serial No. 230,679
In Germany September 20, 1937
2 Claims. (Cl. 202—251)



1. In a continuous vertical coking retort oven comprising a vertical coking chamber intermediate heating walls on opposite sides thereof, and a heating flue system in the heating walls extending to near but terminating at its upper part at a short distance below the tops of the heating walls and coking chamber; the combination of a massive roof of refractory brickwork covering the top of the chamber and extending down into the chamber top, from one end to the other thereof between the tops of the heating walls with its base terminating at the level of the upper extremity of the heating flue system, an ascension pipe opening extending through one end of the roof, a metallic coal-delivery pipe extending down through the center of the roof and also terminating at its lower end at the level of the upper extremity of the heating flue systems, and a recessed channel formed in the bottom of the roof, said channel being recessed from the base of the roof upwardly and inwardly

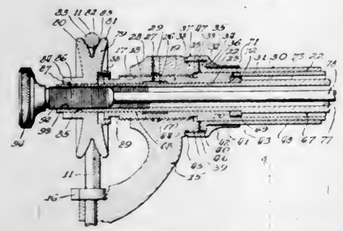
from the two ends of the roof so as to surround the delivery pipe to allow the gas collected in the collecting space to pass over and above the coal pile formed from the delivery pipe to the ascension pipe opening, but being shallow relative to the depth of the massive roof to confine the passing gas closely to the tops of the heating systems and thus prevent undue cooling and condensation of the gas so passing.

2,249,057
COIL BOBBIN
William F. Stahl, Evanston, Ill.
Application September 3, 1940, Serial No. 355,254
3 Claims. (Cl. 175—21)



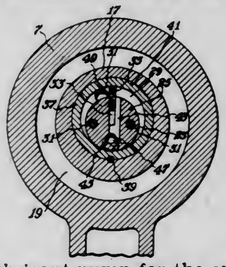
1. In a coil bobbin of the class set forth, a core equipped with end flanges, windings about said core, said flanges having extensions beyond said windings provided with aligned slots, an insulating strip having reduced ends extending through said slots, and terminal posts secured to said insulation strip, the ends of the windings being secured to said terminal posts.

2,249,058
DENTAL HAND PIECE
Martin Staunt, Chicago, Ill.
Application November 17, 1939, Serial No. 304,882
1 Claim. (Cl. 32—26)



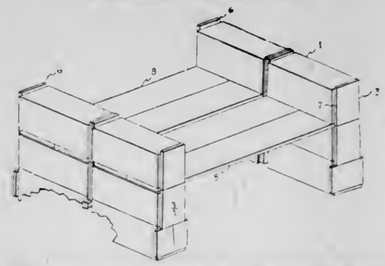
In a dental handpiece, the combination of a main bearing member having inner and outer concentric cylindrical bearing surfaces, said inner bearing surface being provided with an annular groove forming a lubricant reservoir, with a spindle, having one end rotatably mounted in said inner cylindrical bearing surface, and forming a part of the walls of said reservoir, a handle sleeve mounted on said outer cylindrical bearing surface by means of an inner cylindrical bearing surface in said sleeve, said sleeve having a radially outwardly extending flange, and said sleeve carrying at its opposite end a bearing member having a bearing surface concentrically located with respect to the first-mentioned inner bearing surface of said sleeve, said spindle having at the corresponding end a bearing surface engaging in said bearing member carried by said sleeve, a wrist arm fixedly secured to said main bearing member, said wrist arm having threaded engagement with said main bearing member, and having a lubricant aperture, and said wrist arm having an annular groove communicating with said latter aperture and communicating with an aperture extending through said main bearing into said reservoir.

2,249,059
ROTARY FLUID PUMP
August M. Stenger, Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application February 28, 1939, Serial No. 258,884
4 Claims. (Cl. 103—121)



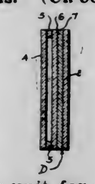
1. In a lubricant pump for the end of a rotating shaft supported by a bearing enclosed by a casing and an end plate, a pump cylinder formed on the end of the shaft having a chamber eccentric to the shaft, a stationary core extending into the pump cylinder chamber and secured to the end plate, a liner of magnetic material in the pump cylinder chamber, an elongated aperture in the core, a magnet forming a vane slidably mounted in the aperture continuously bearing against the liner and held thereagainst by magnetism, a lubricant supply conduit extending through the end plate, a port in the stationary core at one side of the vane communicating with the supply conduit to admit lubricant to the pump, a bore in the stationary core extending into and along the elongated aperture on the opposite side of the vane, and a lubricant outlet conduit extending through the end plate and communicating with said bore to remove lubricant from the pump.

2,249,060
INTERLOCKING TOY CONSTRUCTION BLOCK
Richard H. Stone, Birmingham, Mich.
Application July 1, 1940, Serial No. 343,313
6 Claims. (Cl. 46—25)



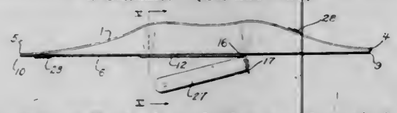
1. A construction block of elongated rectangular form, correspondingly rabbeted at two opposed edges of each of its ends and formed with oppositely projecting flanges at the other two edges of each end, said rabbets and flanges having approximately the same dimensions, whereby two of such blocks may be interlocked by engaging two of said flanges at opposite ends of one block in two of the rabbets at opposite ends of the other block.

2,249,061
PROJECTION DEVICE
Harry H. Styll, Southbridge, Mass.
Application September 20, 1937, Serial No. 164,751
2 Claims. (Cl. 88—24)



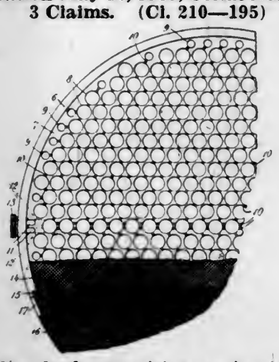
1. A light altering unit for use with a projection system for projecting a beam of light, said unit comprising a layer of a relatively thin solid body of transparent material embodying means for retarding infra-red rays supported in air spaced and substantially parallel aligned relation with a light polarizing assembly, said assembly comprising a relatively thin light polarizing film susceptible to heat injury supported by a transparent plate and spacer members secured between said infra-red retarding layer and said polarizing assembly with said spacer members in spaced relation with each other so as to enable circulation of air between said infra-red retarding layer and said polarizing assembly, said light altering unit being adapted to be positioned in said projected beam of light so that said beam has to traverse said infra-red retarding layer prior to traversing said relatively thin light polarizing film whereby the material of said film is protected from heat injury through the air spaced relation of the infra-red retarding layer and the polarizing assembly and through the heat retarding characteristics of the infra-red retarding layer prior to the heat rays reaching the relatively thin light polarizing film and said light altering unit being so positioned in said beam that the polarizing axis of the film will be oriented in the proper direction to control the axis of polarization of the light traversing said light altering unit.

2,249,062
BILL WALLET AND METHOD OF MAKING SAME
Nels H. Swanson, Chicago, Ill.
Application February 29, 1940, Serial No. 321,451
2 Claims. (Cl. 150—38)



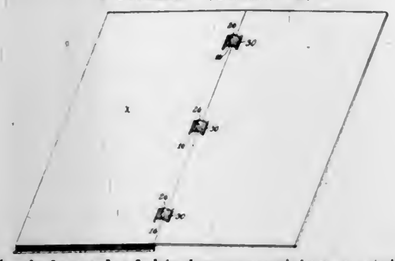
1. The method of producing an elongated and foldable bill wallet to produce a bill wallet having a pair of opposed longitudinally extending sides thereof united along only one longitudinal edge, said method comprising the steps of inserting a temporary flat filler between a pair of elongated casing blanks of substantially different lengths, adhesively connecting the blanks along one longitudinal marginal portion, along one end portion, and along a portion of the other end portion, wrapping the connected blanks and filler assembly about a mandrel to evenly distribute the excess length of one blank over the other blank and pressing the adhesived portions firmly together to form temporary seams, and then guidedly feeding the assembly about a cylindrical form while forming permanent stitched seams along the adhesived longitudinal and end edges of the opposed blanks.

2,249,063
FILTER LEAF
Harry A. Swem, New Gulf, Tex., assignor to Texas Gulf Sulphur Company, a corporation of Texas
Application May 12, 1938, Serial No. 207,450
3 Claims. (Cl. 210—195)



1. A filter leaf comprising a circular metallic disc, each face of the disc being recessed except for a relatively narrow rim at the periphery thereof, the recessed portion of said disc being honey-combed with apertures communicating with one another and with a filtrate discharge opening in the disc, a relatively coarse-mesh wire screen of a thickness equal to the depth of the recess positioned in each recess, a wire screen of finer mesh than said coarse-mesh screen covering each of the latter screens and secured by brazing to the peripheral rim on that face of the disc, and a fine-mesh wire filter screen soldered to the brazed peripheral rim surface of each face of said disc.

2,249,064
SELF-LOCKING TUBULAR BINDER
Rudolf Tauber, New York, N. Y.
Application August 5, 1940, Serial No. 351,527
5 Claims. (Cl. 129—1)

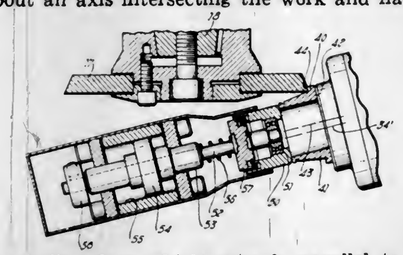


1. A loose-leaf binder comprising a strip of flexible material curved longitudinally into a tubular form having interengageable radially extending end tabs, and means to normally lock said tabs when interengaged.

2,249,065
GRINDING MACHINE
Frederick J. Theler, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application May 23, 1940, Serial No. 336,820
13 Claims. (Cl. 51—105)

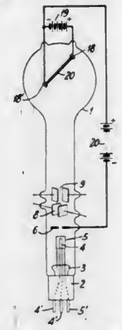
1. In a grinding machine for grinding a conical surface on a work piece in intersecting relation with a preformed conical surface thereon and in such manner that the circle of intersection

is concentric to the axis of the preformed surface, the combination of means for supporting the work piece on its preformed surface to obtain rotation of the work about an axis which is coincident with the axis of the preformed surface, means for imparting rotation to the work, means for holding the work against axial movement whereby the plane of the circle is fixed in space, a grinding wheel supported for rotation about an axis intersecting the work and having



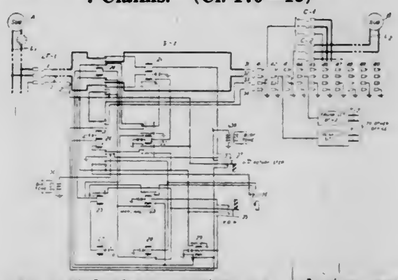
a grinding face which extends parallel to the surface to be produced, said grinding wheel being positioned longitudinally of its axis in such position that one edge of the wheel lies in a plane that is tangent to said circle of intersection, means to feed the grinding wheel laterally of its axis into engagement with the work, and means to limit the feeding of the wheel when one peripheral edge of the wheel reaches the circle of intersection.

2,249,066
METHOD OF OPERATING CATHODE RAY TUBES
Manfred von Ardenne, Berlin-Lichterfelde, Germany, assignor to Radio Corporation of America, a corporation of Delaware
Original application May 24, 1934, Serial No. 727,207, now Patent No. 2,115,093, dated April 26, 1938. Divided and this application February 17, 1937, Serial No. 126,161. In Germany June 10, 1933.
5 Claims. (Cl. 250—27)



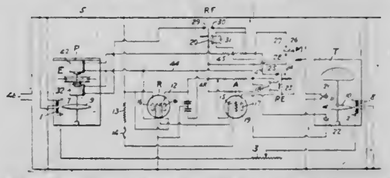
2. In a cathode ray tube system wherein is provided an electron gun and a luminescent screen inclined to the axis of the gun, the method of overcoming distortion in reproduced images on the luminescent screen which includes the steps of producing a beam of electrons of elliptical cross-section from the electron gun, producing an electrical potential progressively varying from one edge portion of the screen to a parallel edge portion of said screen, maintaining constant potential between the electron gun and the screen, and directing the produced beam toward the screen.

2,249,067
TELEPHONE SYSTEM
Paul W. Wadsworth, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 22, 1940, Serial No. 341,827
7 Claims. (Cl. 179—18)



1. In a telephone system, a selector switch comprising a bank of terminals divided into levels and a set of brushes including two test brushes for connecting with any set of terminals in any level, means responsive to a train of impulses incoming to said switch for stepping the brushes into alignment with the terminals of the level corresponding to the number of impulses in the train, means for stepping the brushes into engagement with any set of terminals in any selected level, groups of trunks connected to said bank, two of said groups being connected to terminals in one level, a test relay, a control relay having a normally closed contact for connecting said test relay to one of said test brushes and a normally open contact for connecting said test relay to the other of said test brushes, and means comprising a set of contact springs actuated when said brushes are stepped into alignment with a particular level for returning the brushes to normal to condition the switch for selective response to a second train of impulses and for operating said control relay.

2,249,068
PRECISION-CALIBRATING DEVICE WITH POINTER
Walter C. Wagner, Ardmore, and Frederick Strattner, Upper Darby, Pa.
Application March 8, 1939, Serial No. 260,550
8 Claims. (Cl. 175—183)



1. Means for testing an electric watthour meter by comparing it with a standard meter, comprising, a watthour meter to be tested, a source of light mounted adjacent said meter, a light-sensitive element mounted adjacent said meter and arranged to receive light from said source subject to the influence of a rotating part of said meter, a standard electric watthour meter having a rotating element, a pointer mounted on said standard meter, and a pair of magnets whose magnetic effects on said pointer oppose each other to connect and disconnect said pointer and a rotating part of said standard meter, one of said magnets being under the control of said light-sensitive element in response to the varia-

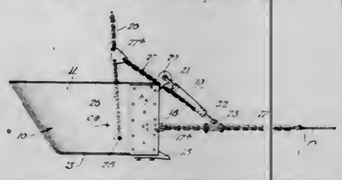
tions of said light-sensitive element caused by the movement of the rotating part of the meter to be tested.

2,249,069
PROCESS FOR PRODUCING LUSTER EFFECTS ON TEXTILES
James Arthur Wainwright and John Allan, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application April 25, 1939, Serial No. 269,872
In Great Britain May 9, 1938
10 Claims. (Cl. 8—63)



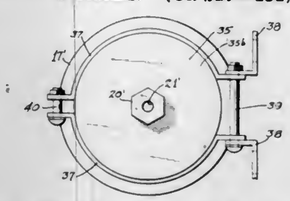
1. Process for the production of effects on textile fabrics or other textile materials, which comprises the operations, in either order, of locally applying to a textile material a substance which will precipitate albumen and applying to the textile material a composition containing albumen, a pigment and a coloring agent for the textile material the design in which the pigment composition is applied in part overlapping that in which the precipitant is applied, and thereafter fixing the albumen on at least part of those portions of the textile material to which the precipitant for albumen was not applied.

2,249,070
EXCAVATING APPARATUS
Raymond S. Weimer, Morris, Ill.
Application February 16, 1938, Serial No. 190,729
6 Claims. (Cl. 37—135)



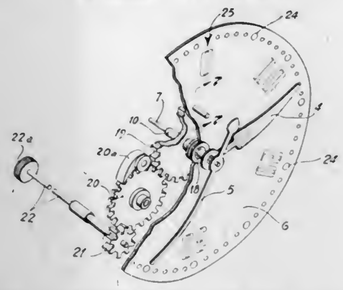
1. A drag bucket structure comprising a pair of flexible haul line attaching members attached to the bucket side walls, a pair of cooperating stabilizing compression members each articulately attached to a side wall of the bucket at a point above the point of attachment of the corresponding flexible member for limiting at a predetermined angle the forward tilting of the bucket about the cutting edge by tension exerted on said haul line attaching members during loading operations, a pair of hoist line attaching members pivotally attached at opposite points to said side walls, and members extending from said hoist line attaching means forwardly and downwardly and connected at the forward ends thereof to said compression members for swinging the forward ends of the latter inwardly and rearwardly into confining contact with a forward portion of a load as tension is applied to said hoist line attaching members in elevating the bucket.

2,249,071
OIL REFINER
Albert R. White, Glendale, Calif.
Application October 14, 1938, Serial No. 234,969
3 Claims. (Cl. 210—131)



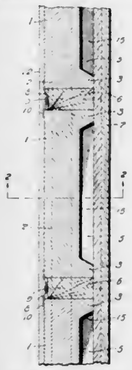
3. In combination, a casing having a lower section and an upper section, the two sections being removably screwed together, the top of the lower section being enlarged to provide a wide rim and a shoulder adjacent the bottom of the threads on the lower section, a clamp made to be secured to a supporting surface and gripping the lower section beneath the shoulder, the latter resting on the clamp and preventing downward movement of the lower section in the clamp due to vibration or the like, a bracket arranged to be fastened to a supporting surface, a second clamp pivoted to the bracket and being swingable over the top of the upper section of the casing to grip the latter, the upper section having a wide shoulder cooperating with the rim of the lower section to form a liquid-tight seal between the two sections.

2,249,072
ELAPSED-TIME INDICATOR
Arthur E. Wigelsworth, Los Angeles, Calif., assignor to Anabolic Food Products, Inc., Glendale, Calif., a corporation of Delaware
Application February 27, 1940, Serial No. 321,064
8 Claims. (Cl. 161—15)



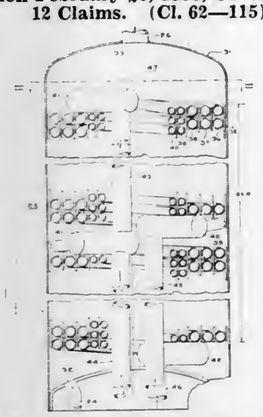
1. In an elapsed-time indicator including a clock mechanism having a low-speed hand and a high-speed hand driven thereby at different time-related speeds, the combination which comprises: a dial for said hands provided with time indices including starting index means, said dial being relatively rotatable with respect to said mechanism; detent means mounted to rotate with said dial relative to said mechanism and adapted to engage said low-speed hand at a position such as to aline said hand with said starting index means and without engaging said high-speed hand; and means for producing relative rotation of said dial and said mechanism to cause said detent means to engage and rotate said low-speed hand, whereby said hands may be brought into alinement with said starting index means.

2,249,073
COMBINATION PLASTER BASE AND INSULATING BLOCK
John B. Williamson, Cranford, N. J., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Application December 7, 1938, Serial No. 244,380
2 Claims. (Cl. 72—31)



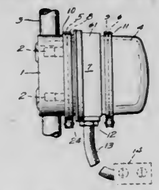
1. A building construction including spaced apart studs or joists, units secured therebetween including precast units of insulating material, said units being tongued and grooved together with an outside finish material secured to the studs or joists, the units contacting with said outside material at the unit periphery, with a dead air space between the unit and the finish material.

2,249,074
REFRIGERATING APPARATUS
Edward R. Wolfert, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 26, 1938, Serial No. 192,693
12 Claims. (Cl. 62—115)



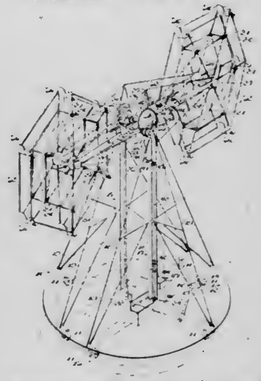
3. In refrigerating apparatus, the combination of a compressor, a condenser, an expansion device, a tank, a coil within the tank arranged to provide a vertical passage or passages for flow of refrigerant, means for circulating liquid to be cooled through the coil, means for admitting refrigerant from the expansion device to said tank adjacent the bottom thereof, and means for withdrawing vaporized refrigerant from said tank adjacent the top thereof and conveying the same to the inlet of the compressor, said refrigerant passage or passages having sufficiently restricted flow areas in relation to the volumetric capacity of the compressor to provide a total flow of vaporized refrigerant leaving said passage or passages equal to at least .89 cubic foot and not more than 2.45 cubic feet per minute per square inch of flow area of said passage or passages at its upper end.

2,249,075
TEST DEVICE FOR DETACHABLE ELECTRICAL INSTRUMENTS
Douglass A. Young and Carl Oman, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 26, 1938, Serial No. 242,504
13 Claims. (Cl. 175—183)



1. In an insert device, a support, contact blade means, means for flexibly mounting said contact blade means in substantially fixed position on said support, contact jaw means positioned on said support, and flexible means conductively connecting said blade means to said jaw means.

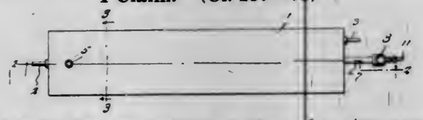
2,249,076
AMUSEMENT APPARATUS
John F. Courtney, Florence, S. C., assignor, by direct and mesne assignments, to Velare & Courtney, Inc., a corporation of Illinois
Application June 10, 1939, Serial No. 278,536
6 Claims. (Cl. 272—38)



1. In an amusement apparatus, a tower, a vertically rotating supporting element mounted upon the upper portion of the tower, wheels mounted upon the ends of the supporting element and projecting radially beyond the same, said wheels being rotatable in the plane of rotation of the supporting element, passenger car-

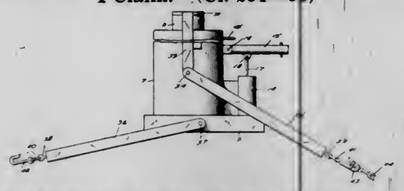
rying elements mounted upon each wheel, separate means to rotate each wheel, a separate brake device for each wheel mounted upon the supporting element, each brake device having an operating part, and operating means mounted upon the tower and common to all operating parts and adapted to move each operating part separately when such operating part is moved into a proper position with relation to the operating means.

2,249,077
MOISTURE SEPARATING APPARATUS
Joseph Doucette, Hillside, Ill.
Application October 30, 1939, Serial No. 302,034
1 Claim. (Cl. 137—78)



Means for separating condensed water vapor from air comprising, in combination, a horizontal manifold having one end extending upwardly from the manifold and connected with a source of air under pressure, a vertical air delivery pipe connected with the other end of said manifold and extending upwardly therefrom, a reduced condensate receiving pipe connected at the junction of the manifold and delivery pipe and depending therefrom, a drain valve on the lower end of said condensate pipe, a plurality of traps, for the reception of condensate, depending from the manifold at longitudinally spaced points, said traps progressively decreasing in length from the first to the last thereof, and conduits connecting the lower ends of the traps at vertically spaced points to the condensate pipe.

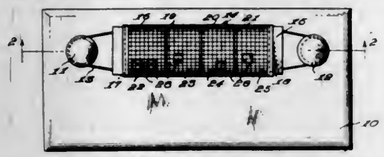
2,249,078
HYDRAULIC BOOMER
Leo L. Fox, Houston, Tex., assignor of one-half to Seth L. Harris, Orange, Tex.
Application February 7, 1941, Serial No. 377,939
1 Claim. (Cl. 254—51)



A tightening apparatus of the character described comprising a hydraulic device including a projectible plunger, a clevis, connecting means between the clevis and the outer end of the plunger, said device including a body structure and a second clevis pivotally connected to the body structure, said connection between the first-mentioned clevis and the plunger consisting in the provision of laterally disposed arms on the outer end portion of the plunger and leg portions extending from the arms and pivotally connected to the first-mentioned clevis.

2,249,079
GAMING DEVICE
Edward L. Garrett, Zanesville, Ohio
Application August 30, 1940, Serial No. 354,885
3 Claims. (Cl. 273—145)

1. In a gaming device, a support embodying a base, and a pair of upstanding spools suitably spaced from each other and fixedly mounted in said base, a box having transparent sides, partition members spaced from each other and disposed within said box so as to subdivide said box into a series of non-communicating com-



partments, a game element in each of said compartments, and a resilient member extending between and anchored at its opposite ends on said spools for supporting said box so as to admit oscillation of the latter to agitate the game elements in all of said compartments.

2,249,080
LOOP TRANSFERRING NEEDLE FOR KNITTING MACHINES
Henry Harold Holmes, Leicester, England, assignor to Wildt and Company Limited, Leicester, England, a British company
Application November 1, 1939, Serial No. 302,433
In Great Britain November 3, 1938
8 Claims. (Cl. 66—95)

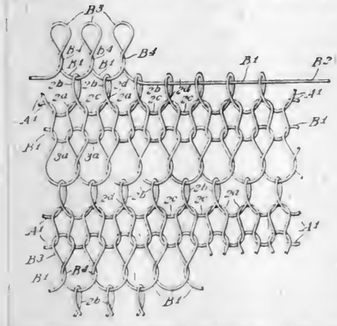


1. For use in a knitting machine, a loop transferring needle comprising a stem, a yarn-engaging hook at one end of said stem, and, some distance along the stem from the hook, a widened formation which extends laterally at opposite sides of said stem and also obliquely with respect to the latter as viewed in cross-section, said widened formation being thereby adapted to expand a loop on the needle and in so doing to cause the back portion of said loop to assume an open formation, for the purpose herein specified.

2,249,081
KNITTED FABRIC
Ester Hughes, New York, N. Y., assignor, by direct and mesne assignments, to No-Run Corporation
Application April 1, 1940, Serial No. 327,312
2 Claims. (Cl. 66—190)

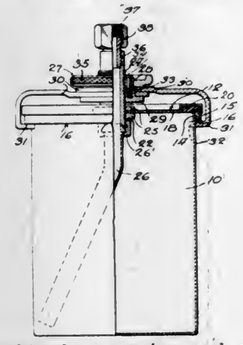
1. A knitted fabric comprising transverse rows of alternate needle loops with intervening sinker loops formed of a body thread, and intervening transverse rows of sustaining thread loops formed

of a thread carried first floatingly and sinuously through the thickness between the front and rear faces of the fabric and alternately through the respective needle loops and sinker loops of the body thread after each row thereof is formed, and the sustaining thread so placed being pulled laterally and upwardly from between the respective needle loops of the body thread and said laterally pulled portions of the sustaining thread



being looped and twisted between the respective loops thereof and the intervening portions which remain interlooped with the needle loops of the body thread and the needle loops of the body thread formed in the next succeeding row being knitted with interlooping engagement in sinker loop portions formed in the sustaining thread between said upwardly pulled looped and twisted portions of the thread.

2,249,082
DISPENSING DEVICE
Alexander F. Jenkins, Baltimore, Md.
Application May 31, 1940, Serial No. 338,207
7 Claims. (Cl. 221—67)



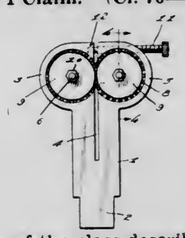
1. A combined suspension and closure device adapted for supporting a cylindrical can having an outwardly projecting annular bead around its upper rim, said device comprising, in combination, a circular cover disk having a downwardly extending peripheral flange embracing the upper end of said can, a tubular conduit passing through the center of said disk, means for securing the upper end of said conduit to a support, grappling means for attachment of a can to said device, said grappling means comprising a pair of radially extending arms having inner overlapping end portions pivotally attached to said central conduit for independent rotation in a plane parallel to that of the upper end of the can to and from diametrically aligned grappling positions, the outer ends of said arms extending beyond the periphery of said can and having downwardly and radially inwardly turned hooked end portions adapted to engage beneath said bead, the distance between the inwardly directed ends of said hooked end portions when disposed in diametrically opposite positions being approximately equal to the diameter of said container and, consequently, less than the external diameter of said bead, whereby said container cannot be removed without rotating said arms in directions toward each other, and means for clamping the arms to resist rotation from said grappling position and thus lock the can to said suspension device.

2,249,083
PROCESS FOR STAPLING CONTINUOUS ARTIFICIAL FIBER
Rudolf Kern, Gladbach-Rheydt, Germany
Application June 28, 1939, Serial No. 281,709
In Germany December 30, 1937
2 Claims. (Cl. 19—1)



1. Process for the stapling and drafting of continuous artificial fiber-bands consisting in cutting said bands in a continuous manner into ribbons which latter extend diagonally from the outer edge of the band and meet in the medial portion of the band considerably rearward of the edge cut and pressing the fiber ends towards one another.

2,249,084
SCREW DRIVER SHARPENER AND SHAPER
Frank Kobos, Houston, Tex.
Application August 22, 1940, Serial No. 353,726
1 Claim. (Cl. 76—87)

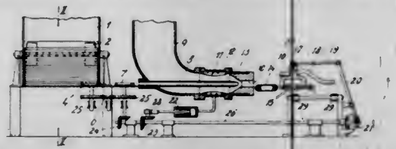


In a device of the class described, an elongated vertically arranged body having a longitudinally extending slot in its upper portion passing through the upper end of the body, said slot making the parts on each side of the slot slightly resilient, a screw passing through a threaded hole in the upper end of one part and having its inner end engaging a socket in the upper part of the other part, a shaft passing through each part from front to rear, bearing sleeves carried by the parts at the rear thereof and through which the shafts extend, a handle connected to the rear end of one shaft, gears connected with the front ends of the shafts and meshing with each other, the upper ends of said parts having recesses in the front faces receiving the gears and sharpening wheels connected with the front ends of the shafts in front of the gears.

2,249,085
PROCESS FOR COATING ELECTRODES FOR ARC WELDING
Karl Lange, Berlin, Germany
Application December 8, 1937, Serial No. 178,825
In Germany December 10, 1936
1 Claim. (Cl. 18—59)

Process for coating weld rods for arc welding

while leaving the contact end portions of said rods free of coating, comprising arranging the rods to be coated longitudinally one in front of the other in axial alinement with an extrusion nozzle, intermittently advancing the rods while so arranged for a rod length through the extrusion nozzle and intermittently interrupting said advancing movement, supplying coating material through a space to said extrusion nozzle under pressure during the parts of said advancing movements in which the portions of the rods



to be coated are passing through the extrusion nozzle, interrupting the supply of extrusion material to said nozzle during the parts of said advancing movements in which the contact portions of said rods are passing through said nozzle by enlarging the space through which the coating material is fed to the extrusion nozzle, continuously drawing the coated rods away from the nozzle, so that each coated rod becomes spaced from the following rod during the period in which the advancing movement of said following rod is interrupted.

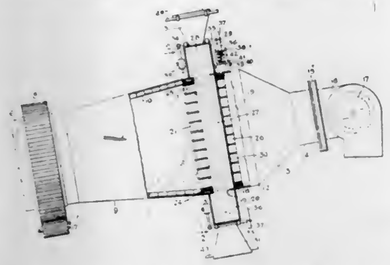
2,249,086
BRACELET LINKAGE
Charles L. MacIntosh, Attleboro, Mass.
Application October 22, 1940, Serial No. 362,265
1 Claim. (Cl. 59—79)



A link chain construction comprising a lazy-tong arrangement of pivotal link members, the ends of certain of the link members being provided with laterally disposed and headed studs, the ends of complementary link members being formed with keyhole-shaped openings for receiving the headed studs and pivotally connecting the ends of the link members together, the keyhole-shaped openings in form having a circular opening and a narrow slot extending therefrom, the narrow slots extending from the circular openings outwardly toward the terminals of the link members and normally receiving the neck portions of the headed studs.

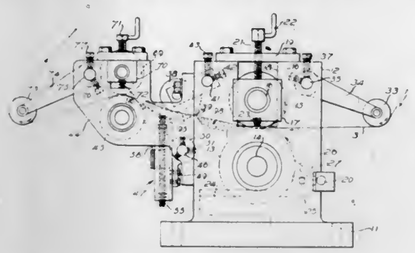
2,249,087
ROTARY KILN
Louis J. Mueller, Martinsburg, W. Va., assignor to The Standard Lime and Stone Company, Baltimore, Md., a corporation of Maryland
Application May 11, 1940, Serial No. 334,632
6 Claims. (Cl. 263—32)

1. The combination of a kiln rotatable on a slightly inclined axis; a feed chamber for granular material to be treated in the kiln, said chamber being concentric with the kiln and extending transversely thereof, communicating with the feed end of the kiln and rotating therewith; a grid controlling supply from said chamber to the kiln and rotating with the kiln and chamber, said grid comprising connected slender webs forming passages substantially parallel with the axis of rotation and large enough to pass the granular material, and of a length between 1⅛



and 1¼ times the transverse dimension of the passage; supply means serving to keep said chamber filled with granular material; and means for withdrawing hot gases from the kiln through said grid and chamber.

2,249,088
COATING APPARATUS AND METHOD
John D. Murray, Chicago, Ill., assignor to The Liquafilm Corporation, Chicago, Ill., a corporation of Illinois
Application January 9, 1940, Serial No. 313,135
30 Claims. (Cl. 91—33)

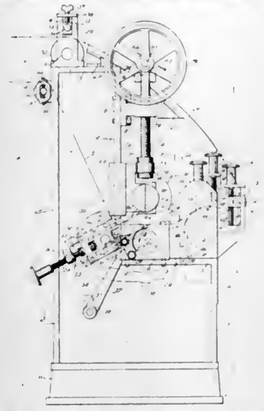


23. Apparatus for uniformly smoothing coating material which has been deposited upon a sheet surface or the like comprising a thin flexible blade held at one end in a stationary support, a free end portion on said blade and means drawing said sheet over said blade so as to flex said blade at said end portion in such a manner as to provide a curved blade face of substantial area in wiping contact with said deposited coating, said curved blade face terminating in a free edge over which said coated surface passes upon leaving said face.

2,249,089
COATING METHOD AND APPARATUS
John D. Murray and Russ B. Leech, Chicago, Ill.; said Murray assignor to The Liquafilm Corporation, Chicago, Ill., a corporation of Illinois; said Leech assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware
Application March 6, 1939, Serial No. 260,188
10 Claims. (Cl. 91—33)

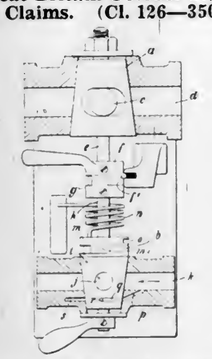
1. The method of uniformly and smoothly leveling coating material over a sheet surface or the like upon which it has been deposited in ridges or mounds, which comprises the steps of drawing said coated surface successively over

a plurality of spaced, stationary, smooth faces, and then contacting said coated surface with a



straight smooth edge at an angle selected to give a glazed finish to said surface.

2,249,090
GEYSER
Mechel Rabinowicz, London, England, assignor of one-half to Israel Xyel Kestenbaum, London, England
Application October 11, 1938, Serial No. 234,498
In Great Britain October 16, 1937
13 Claims. (Cl. 126—350)



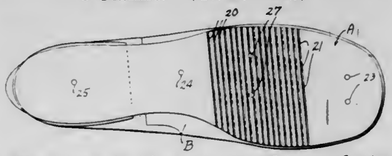
5. In a water heater, the combination of a water tap, a gas tap having a casing with inlet and outlets therein for admitting gas to a main burner and a pilot burner, respectively, an actuating handle, a rotary plug operatively connected to said actuating handle and having a conduit therein for co-operation with the inlet and outlet for the main burner and an independent conduit for co-operation with the inlet and outlet for the pilot burner, said plug being rotatable from an initial open position for supplying gas through said conduits into an intermediate position for shutting off the gas supply to the main burner, said independent conduit for the pilot burner extending circumferentially around the plug for a sufficient distance to establish communication between the inlet and outlet in the casing for the pilot burner when the plug is located in said intermediate position, so as to enable the pilot burner to remain alight all the time the main burner is in operation and after the main burner has been extinguished, said plug being further rotatable into a final closed position for shutting off the gas supply to both the main and pilot burners, an actuating handle connected to one of said taps and coupling means for coupling the gas and water taps to one another so as to enable the gas and water taps to be turned on and off by means of said handle, said coupling means permitting motion of the water tap alone into the open position but having driving elements for effecting a positive driving connection for turning the gas tap into the closed position during the closing of the water tap.

2,249,091
PROCESS FOR THE MANUFACTURE OF ELECTROLYTIC DEVICES
Preston Robinson, Williamstown, and Mathew Nazzewski, North Adams, Mass., assignors to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
Application June 15, 1937, Serial No. 148,398
1 Claim. (Cl. 154—2)



In the manufacture of electrical condensers comprising a metal container, an electrode disposed in said container, and a terminal member secured to said electrode and protruding from an opening of said container, the method of providing an hermetically tight seal between said member and the container comprising the steps, providing in a flexible vulcanized rubber member a hole which is smaller in cross-section than the terminal member, swelling the rubber member in a volatile rubber solvent containing 0.5% to 2% by weight of aluminum oleate to increase by at least a factor of 2 the cross-section of said hole, disposing the terminal in the hole so enlarged, evaporating the solvent from the rubber member, disposing the rubber member in the opening of said container and crimping said container about said member.

2,249,092
SHOE AND PROCESS OF MAKING THE SAME
William M. Schlear, Orwigsburg, Pa., assignor, by mesne assignments, to Henry G. Lumbard, Auburn, Maine
Application June 28, 1938, Serial No. 216,327
8 Claims. (Cl. 12—142)

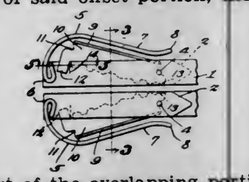


1. The steps in the process of manufacturing shoes which consists in providing a flexible insole having a ball portion thereof slit on opposite sides, securing the insole at the toe thereof to the last, longitudinally stretching the insole on the last and securing it in such stretched relation to the last, securing an upper to the edges of the insole, securing an outsole on the shoe, and removing the last from the shoe.

2,249,093
RUG MAKING TOOL
Homer E. Stanton, Altus, Okla.
Application September 2, 1939, Serial No. 295,279
1 Claim. (Cl. 112—9)

In a tool of the class described the combination with a bar having an overlying portion a

portion of which is offset at one edge, of a transverse pin anchored in the bar and its overlapping portion, a flat blade removably seated between and contacting with the bar and its overlapping portion, said blade having a notch in one end in which the pin is seated, and a longitudinal cutting edge, a tongue extending from the other end of the blade and removably lapping the outer side of said offset portion, thereby to receive a part of the overlapping portion between the blade and tongue and to support a portion of the cutting edge outwardly beyond and obliquely to the bar, and a guard straddling and secured to the bar and its overlapping portion, said guard including an elongated loop spaced from, but substantially parallel with the cutting edge of the blade and having a terminal deflector close to but diverging from the bar and said notched end of the blade.



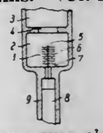
2,249,094

ELECTRIC DISCHARGE TUBE

Ernst Otto Seitz, Hanau-on-the-Main, Germany, assignor to Quarzlampen-Gesellschaft m. b. H., Hanau-on-the-Main, Germany

Continuation of application Serial No. 157,062, August 2, 1937. This application February 6, 1940, Serial No. 317,603. In Germany August 3, 1936

10 Claims. (Cl. 176—126)



1. In a high pressure electric arc discharge tube, walls forming a chamber, an electrode extending into the chamber from a wall and comprising a rod of refractory metal to serve as a current lead, a plurality of lamella of refractory metal mounted on said rod with their faces slightly spaced apart from the adjacent faces of adjacent lamella, the spaces between said lamella containing oxide, said rod extending through central portions of said lamella in heat transfer relation thereto, and the rod extending inwardly slightly beyond all parts of the end lamella at the chamber end of the electrode to serve as a terminal for the arc in operation, and the lamella serving to substantially uniformly dissipate the heat radially from the rod.

2,249,095

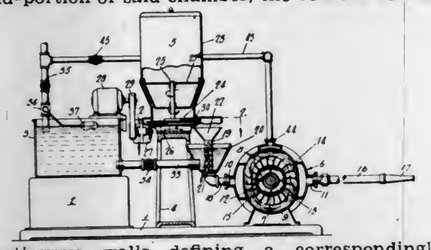
APPARATUS FOR PRODUCING FIRE FOAM

Clement K. Swift, Upper Darby, Pa., and John B. Treichel, Audubon, N. J., assignors to MacAndrews & Forbes Company, Camden, N. J., a corporation of New Jersey

Application April 14, 1939, Serial No. 267,886

5 Claims. (Cl. 261—63)

1. Apparatus for producing fire extinguishing foam of the mechanical or air type from a frothing constituent, a gaseous constituent and an aqueous constituent, comprising means having an inlet and an outlet operable violently to agitate said constituents to generate foam and simultaneously place the same under substantial pressure, said agitating means comprising a water-ring compressor including a chamber having longitudinally elongated end portions and a relatively contracted mid-portion defined by continuous internal walls of said chamber, a power-driven rotor located in said mid-portion, blades on and extending substantially radially from said rotor with the outer ends of the blades describing a circle substantially tangent to said walls at the mid-portion of said chamber, the contour of said



continuous walls defining a correspondingly shaped endless path of movement for said mixture under the impetus of said blades, a gaseous induction conduit connected at one end directly to the inlet of said agitating means, and means for feeding said frothing and aqueous constituents uniformly in predetermined proportions continuously to said conduit in which they are preliminarily mixed with each other and said gaseous constituent and then conveyed by said conduit directly to the agitating means.

2,249,096

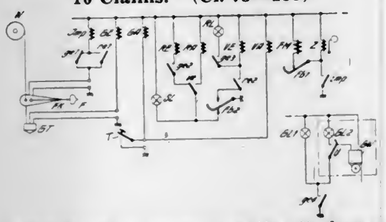
APPARATUS FOR MEASURING THE DISCHARGE OF STREAMS

Walter Turk, Karlsruhe, Germany, assignor to Telefonbau und Normalzeit G. m. b. H., Frankfort-on-the-Main, Germany, a corporation of Germany

Application May 3, 1938, Serial No. 205,689

In Germany March 20, 1936

10 Claims. (Cl. 73—185)



1. Apparatus for measuring the discharge of a stream comprising a current meter, a feeler connected to said current meter, means for lowering said meter at a uniform speed from the surface of the water to the bed of the stream, means controlled by said meter for emitting current impulses, mechanism controlled by said current impulses for counting the revolutions made by said meter, means controlled by said feeler for indicating that said feeler has reached the bed of the stream, means controlled by said feeler for disconnecting said counting mechanism from the current impulse emitting means, a time switch device, means controlled by said disconnecting means for reconnecting said counting mechanism to said current impulse emitting means for a predetermined interval of time and means controlled by said time switch device for making ineffective said reconnecting means after said predetermined interval of time.

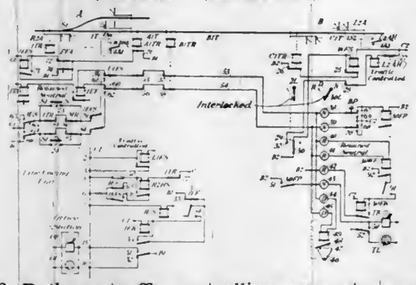
2,249,097

RAILWAY TRAFFIC CONTROLLING APPARATUS

James J. Vanhorn, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 29, 1939, Serial No. 287,285

7 Claims. (Cl. 246—25)



6. Railway traffic controlling apparatus comprising in combination with a stretch of railway track having a wayside signal at each of two spaced locations for governing traffic in opposite directions through the stretch and a two-wire traffic locking circuit extending between such locations for controlling the wayside signals in accordance with the positions of two manually controlled devices one at each location, a signal control relay at each location effective when energized to cause operation of the wayside signal at the same location to a proceed position, an electromagnet at each location effective when energized to permit energization of the associated signal control relay, said electromagnet at a selected one of said locations characterized as a retained neutral polarized relay having a front neutral contact which permits the energization of the associated signal control relay, a current source at each location, a first circuit means including a contact of each of said devices closed at a first position thereof to connect the current source at said selected one location and the electromagnet at said other location to said traffic locking circuit to energize that electromagnet for permitting energization of the respective signal control relay and operation of the respective wayside signal to its proceed position, a second circuit means including a contact of each of said devices closed at a second position thereof to connect the current source at said other location and said polarized relay at said one location to said traffic locking circuit to energize that relay for permitting the energization of the respective signal control relay and operation of the respective wayside signal to its proceed position, a signaling unit at said one location controlled over a polar contact of said polarized relay, and a manually operable pole changer at said other location interposed in said second circuit means to reverse at times the connection of the associated current source to the traffic locking circuit to reverse the energization of said polarized relay and cause operation of said signaling unit while the wayside signal at said one location is retained at its proceed position.

2,249,098

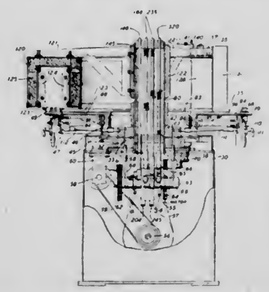
EXHAUST MACHINE

Victor H. Van Sant, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 10, 1939, Serial No. 289,385

23 Claims. (Cl. 250—27.5)

9. In an exhaust machine, a table movable intermittently about an axis, exhaust sockets disposed at spaced positions about the table for receiving tubulations of tubes to be exhausted, sets of normally closed gripping contacts for holding lead wires of electrical elements of the tubes disposed adjacent the exhaust sockets, a reciprocable member electrically connected to each set



of gripping contacts, and a distributor disposed concentric with the axis and having cams and terminals thereon, the cams positioned to cause movement of the reciprocable members to open the contacts and the terminals positioned to engage the members to electrically include the members and, through the members, the contacts in electrical circuits.

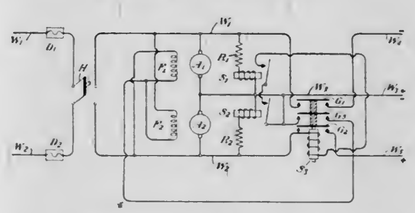
2,249,099

DIRECT CURRENT POWER SYSTEM

Otto Henry Walton, Elmhurst, Ill., assignor to American Telephone and Telegraph Company, a corporation of New York

Application June 20, 1940, Serial No. 341,550

4 Claims. (Cl. 171—97)



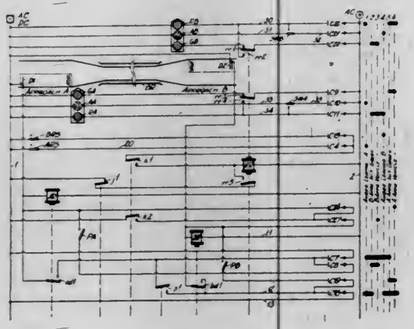
4. The combination of a source of power, first and second loaded circuits arranged as a three-wire circuit, first and second similar rotatable armatures mechanically coupled to each other and arranged in series relationship across the source of power, first and second field windings associated respectively with said first and second armatures and connected in series relationship across said source of power, first and second relays the windings of which respectively shunt first and second said rotatable armatures and means responsive to a predetermined rate of speed of said rotatable armatures to provide a sufficient voltage to operate said first and second relays, means responsive to the operation of both of said relays to connect the first and second loaded circuits to said rotatable armatures, the neutral of which will terminate at the point where the two rotatable armatures are connected together, said latter means including means to connect the first field winding across the second loaded circuit and the second field winding across the first loaded circuit.

2,249,100

TRAFFIC ACTUATED CONTROL SYSTEM

Harry A. Wilcox and John L. Barker, Norwalk, Conn., assignors to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware

Application July 20, 1940, Serial No. 346,517
16 Claims. (Cl. 177—337)



1. A traffic control system for interfering traffic lanes in which the zone of interference between the lanes is relatively long, including a right of way signal controller for according right of way alternately to the lanes respectively in response to traffic arriving in the respective lanes and to interrupt right of way in the other lane when right of way is accorded to one lane, means forming a part of said controller to interrupt right of way in both lanes after termination of accord of right of way in one lane and before accord of right of way to the other lane in response to traffic arriving in the latter lane, and means for timing such interruption of right of way to both lanes to provide an ultimate length of time sufficient to permit a unit of traffic to clear through the zone of interference but to reduce the time of interruption of right of way to both lanes from such ultimate length in accordance with the amount of time the right of way may have remained on the one lane after arrival of the last prior vehicle there and before arrival of the first vehicle on the other lane while right of way is interrupted in the latter lane.

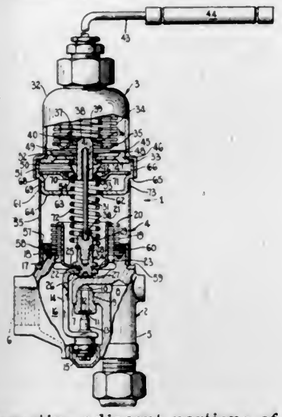
2,249,101

REFRIGERATING APPARATUS

Daniel D. Wile, Utica, N. Y., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application May 14, 1938, Serial No. 207,906
8 Claims. (Cl. 236—92)

1. In a thermostatic expansion valve, a body member having an opening through a wall thereof, a pressure responsive member sealing said opening, an end member secured and sealed to said body member around said opening, a casing member, a thermostatic power element operating member positioned in said casing member, thrust means operatively connecting said operating member and said responsive member, a connecting member secured and sealed to said casing member and having a portion projecting toward and concentric with said end member, the adjacent portions of said projecting portion and of said end member being of substantially equal size, and a thin sheet metal housing member of low heat conductivity positioned between said adjacent portions, said housing member being sealed in fluid-tight relationship at either end



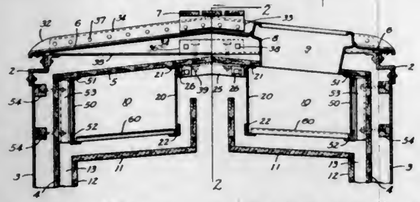
to the respective adjacent portions of said connecting member and of said end member.

2,249,102

REFRIGERATOR CAR CONSTRUCTION

Kurt E. Zeidler, Pittsburgh, Pa., assignor to Standard Railway Refrigerator Company, Chicago, Ill., a corporation of Delaware

Application October 13, 1938, Serial No. 234,807
5 Claims. (Cl. 62—17)



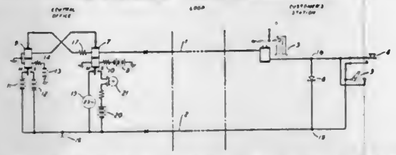
1. In a refrigerator car having a roof comprised of metallic outer sheets and insulating lining, a metallic member depending from said sheets and disposed entirely in the space between said outer sheets and said lining, an insulating piece attached to said metallic member, pliable insulation in said space, a refrigerant container below said lining, and means extending through said lining to attach said container to said insulating piece.

2,249,103

OPEN TELEGRAPH ALARM CIRCUIT

Russell Jacob Anspach, Westfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application February 7, 1940, Serial No. 317,760
4 Claims. (Cl. 178—69)



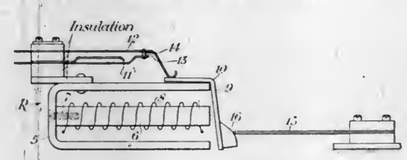
1. In a telegraph system, an open telegraph key alarm circuit comprising a telegraph circuit having a rectifier shunting a telegraph key, a telegraph sounder in series with said rectifier, means for impressing electromotive force of opposite polarities on said circuit so as to operate said sounder in response to electromotive force of one of said polarities when said key is open to indicate the open condition, and polar relay means connected to said circuit responsive to the closing of said key for indicating that said key has been closed.

2,249,104

ELECTROMAGNETIC RELAY

Norman F. Agnew, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application September 19, 1939, Serial No. 295,619
2 Claims. (Cl. 175—336)



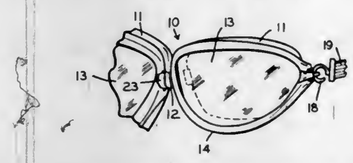
1. A relay comprising, in combination, an electromagnet, a pivoted armature mounted for movement relative to said electromagnet and biased therefrom, a thermally responsive element having a surface which moves with temperature changes transversely to the line of motion of said armature, and a cam surface formed on said armature and cooperating with said moving surface of said thermally responsive element for limiting the movement of said armature relative to said electromagnet, said cam surface being shaped throughout to provide said relay with a linear temperature-voltage characteristic throughout a relatively wide range of ambient temperatures.

2,249,105

GOGGLE

Joseph W. Aspenleiter, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application October 19, 1940, Serial No. 361,939
5 Claims. (Cl. 2—14)



1. In a goggle the combination of an eyecup having a nasal wall provided with a slot adjacent the front edge of the eyecup, the rear edge of said eyecup having a notch which is substantially in alignment with said slot, and a bridge member secured to said eyecup, said member comprising a flexible strap which is doubled on itself and extends from a point adjacent the outer nasal wall of the eyecup through said slot and into the eyecup and then rearwardly and laterally through said notch to a point outside of the eyecup.

2,249,106

BUILDING CONSTRUCTION

Leroy Baumgartl, Chicago, Ill.

Application July 11, 1940, Serial No. 344,857
15 Claims. (Cl. 108—13)

1. Building construction comprising, in combination, parallel open-sided support members, transverse open-sided members in spaced relation with each other secured at their ends to the support members, pans spanning the space between each adjacent pair of support members



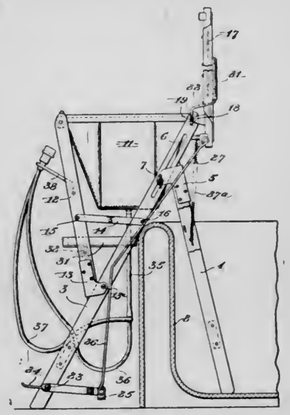
and each pair of transverse members, cap strips overlying the edges of the pans and the open-sided members, and means whereby the cap strips are secured to the support and transverse members.

2,249,107

INFANT'S FOLDING BATH STAND AND DRESSING TABLE

William C. Baxter and Charles T. De Puy, Rochester, N. Y., assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York

Application July 11, 1940, Serial No. 344,882
10 Claims. (Cl. 4—177)



1. In an infant's folding bath stand, the combination with a foldable support comprising pivotally connected leg frames positionable respectively on the bottom of a stationary tub and on the floor adjacent to the tub, the space between the leg frames beneath their pivotal connection being sufficient when unfolded to straddle the wall of the stationary tub, and a foldable bath tub mounted on said support and positionable above said wall of the stationary tub when in operative position.

2,249,108

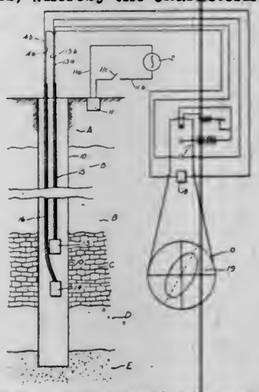
MEANS FOR ANALYZING AND DETERMINING GEOLOGIC STRATA

Roland F. Beers, Dallas, Tex.

Application April 27, 1939, Serial No. 270,389
4 Claims. (Cl. 181—0.5)

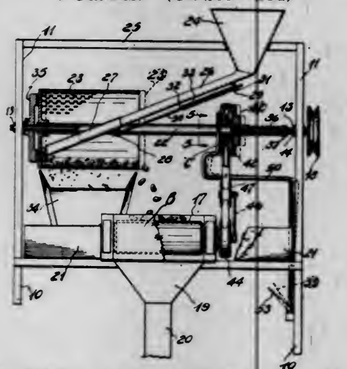
1. An apparatus for determining characteristic differences between different geologic strata traversed by a well bore including, an electrical sound generator for continuously generating and transmitting sound into subsurface strata, a pair of vertically spaced sound receivers arranged to be lowered through the bore for receiving seismic waves, and a cathode-ray oscillograph electrically connected with the two receivers for recording

difference in the arrival times of sound waves at the receivers, whereby the characteristics of the



formation between the receivers may be ascertained.

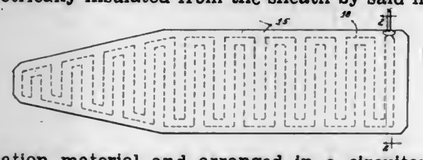
2,249,109
PICKING MACHINE
Earl A. Botimer, Bay City, Mich.
Application September 26, 1938, Serial No. 231,673
5 Claims. (Cl. 209—284)



1. A picking machine of the class described and comprising a main frame, a feed hopper mounted thereon, a drive shaft, a perforated sifting drum concentric with and freely rotatable about said shaft and having one open and one closed end, an extensible chute leading from the feed hopper and extending into said sifting drum, said chute discharging the product to be processed at a point directly adjacent the closed end wall thereof, a clutch plate on said shaft adjacent the closed end wall of the drum, means for forcing the end wall of the drum into driving engagement with said clutch plate, means for shifting said sifting drum out of driving engagement with said clutch plate, and means for driving said shaft.

2,249,110
IRONING BOARD
George Browning, Wilmette, Ill.
Application March 1, 1939, Serial No. 259,081
2 Claims. (Cl. 38—104)

1. An electric ironing board comprising, in combination, a flat top ironing board, an ironing cover, a combined ironing base and self-contained heating unit replaceably supported directly on the top of said board substantially coextensive therewith and serving to directly support the ironing cover and to provide the ironing base therefor, said unit comprising a sheath having a top sheet of metal of high heat conductivity and sheets of electrical insulation material superimposed one upon another making a comparatively thin structure, and an electrical heating element in said sheath comprising resistance wire electrically insulated from the sheath by said in-



sulation material and arranged in a circuitous path throughout substantially the entire area of said ironing base whereby to quickly transmit heat substantially uniformly throughout said area, said unit as such being replaceable on said board and adapted to conform to the top thereof by means of the flexible characteristic of the thin sheet structure of the unit and at the same time providing a smooth impervious ironing base for the ironing cover.

2,249,111
AROMATIC ALIPHATIC ETHER CHLORIDES AND PROCESS
Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application March 29, 1938, Serial No. 198,697
10 Claims. (Cl. 260—613)

6. The process of preparing compounds of the general formula $RC_6H_4OCH_2.CH_2OCH_2CH_2Cl$ in which R is a member of the group consisting of aliphatic, arylaliphatic, and hydroarylaliphatic radicals, which comprises heating in the presence of a surface-active clay the compound

$$C_6H_5OCH_2CH_2OCH_2CH_2Cl$$

and a member of the group consisting of aliphatic, arylaliphatic, and hydroarylaliphatic alcohols and olefinic hydrocarbons.

2,249,112
HYDROGENATION OF TERPENE POLYMERS
Marie O. Carmody, Mount Lebanon, Pa.
No Drawing. Application December 24, 1937, Serial No. 184,603
11 Claims. (Cl. 260—666)

9. A method of producing a hydrogenated terpene polymer which contains at least two linearly arranged and structurally interconnected terpene units, each of which has an inner cyclobutane ring, and at least two moles of added hydrogen at least one of which saturates an opened cyclo-butane ring comprising the steps of bringing a solution of a terpene polymer into contact with hydrogen in the presence of Raney catalyst in such amounts and under such conditions of temperature and pressure as to saturate with hydrogen the double bond inherent in the structure of such polymer and to open at least one cyclo-butane ring and saturate it with hydrogen.

2,249,113
MACHINE FOR MAKING WASHERS OR THE LIKE
John Albert Chappuis, Neuchatel, Switzerland
Application November 14, 1939, Serial No. 304,442
In Great Britain November 18, 1938
14 Claims. (Cl. 10—73)

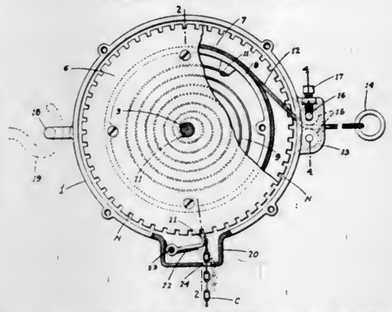
1. A machine for producing washers from wire,

comprising a body with raised ends having at one end wire coiling mechanism, wire severing means, a conveyor, and press tools including a punch and an anvil, and having at the other end a driving shaft operating a pair of slides, one actuating one of the press tools, and the other



actuating the wire severing means, the driving shaft also having a cam for producing a movement of the anvil to eject the pressed washer, a transmission shaft arranged transversely to said driving shaft and driven therefrom, and means on the transmission shaft for driving the conveyor and the wire coiling means.

2,249,114
CLOTHESLINE REEL
Dallas H. Coffman, Fresno, Calif.
Application June 5, 1940, Serial No. 338,951
1 Claim. (Cl. 242—100)

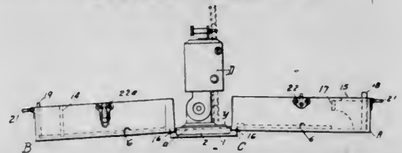


In a clothesline reel assembly, a housing, a spring actuated clothesline drum rotatably mounted in the housing, a dog pivoted in the housing below the drum for swinging movement to and from the latter, the drum having a plurality of circumferentially spaced notches into any one of which the dog is adapted to engage and lock the drum against rotation, a spring urging the dog toward said notches, and a dog release, link chain connected to and depending from the dog; the housing having a bayonet slot formed therein below the dog, the chain being passable only through the enlarged portion of the slot and normally freely depending therethrough, but engageable in holding relation in the smaller portion of the slot.

2,249,115
BAKING OIL
Frank W. Corkery, Crafton, Pa., assignor to Falk & Company, a corporation of Pennsylvania
No Drawing. Original application July 16, 1938, Serial No. 219,613. Divided and this application March 27, 1941, Serial No. 385,547
4 Claims. (Cl. 260—23)

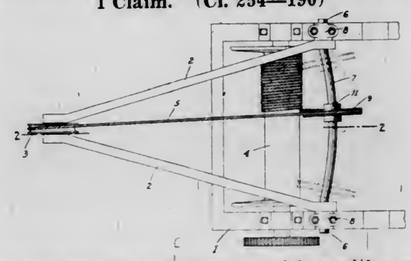
1. The herein described method of treating oxidizable drying oils to produce a baking oil of particularly high non-penetrating qualities which comprises effecting polymerization in an oil having drying qualities and having a capacity for polymerization less than that of China-wood oil by heating the said drying oil to a polymerizing temperature within the approximate range of 500° F. to 600° F. to a stage in which the oxidizable constituents of the oil are in large measure deprived of drying qualities but retain residual capacity for oxidation; and restoring to the said oil drying qualities lost by polymerization by blowing air therethrough at an oxidizing temperature to a stage of preoxidation at which gelation of the oil becomes imminent, at such stage effecting gel dispersion in the batch by introducing oil-soluble thermoplastic resin as an oil-soluble film-forming gel dispersant, and after such gel dispersion continuing to blow air through the batch for a substantial blowing period to a stage at which the viscosity of the oil has been further increased without gelation of the oil.

2,249,116
INSTRUMENT CARRYING CASE
Lee M. Corless, Royal Oak, Mich.
Application September 30, 1939, Serial No. 297,252
3 Claims. (Cl. 312—20)



1. A folding carrying case adapted for special instruments and incidental equipment and used therewith, comprising a shallow recessed base section, two open rectangular side sections hingedly mounted on opposite sides of said base closable therewith to form a closed case compartment, retaining ribs mounted across the base recess designed to fit and restrain an instrument base in a predetermined position thereon, equipment unit recesses formed within the side sections, restraining means mounted over each equipment recess, engaging means mounted within one side section for engaging the instrument top and clamping the instrument to the base recess when the case sections are closed together, lock units mounted on the case section walls for firmly attaching them together when the sections are closed, and a carrying handle mounted on each of the side section walls.

2,249,117
CABLE SPOOLING DEVICE
Robert L. Crandall, Yuba City, Calif.
Application December 23, 1939, Serial No. 310,721
1 Claim. (Cl. 254—190)



A cable spooling device comprising, with a relatively stationary cable-guide pulley and a cable drum spaced from said pulley; a cable spooling pulley disposed between the drum and guide pulley and means mounting the spooling pulley relative to the guide pulley and drum for guided movement lengthwise of the drum in a path such that the length of the portion of the cable from the guide pulley to the drum will be substantially the same from any point in the length of the drum; said pulley mounting means comprising a shaft having a constant curvature for the

length of the drum and on which the spooling pulley is both turnable and axially movable, the pulley being concavely bored intermediate its ends on a curvature whose radius is that of the convex side of the shaft and at its ends is convexly bored on a curvature whose radius is that of the concave side of the shaft.

2,249,118

IMPREGNATED PAPER

Francis De Witt, New York, N. Y., assignor to Pervel Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application January 7, 1938, Serial No. 183,800
7 Claims. (Cl. 91—68)

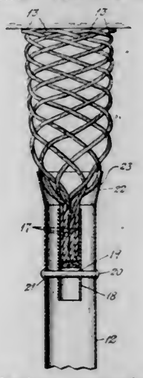
1. An article of manufacture comprising a sheet of paper impregnated with a paper softening agent and a water-insoluble filler capable of adsorbing and retaining the softening agent in the paper, said softening agent and filler being present in the ratio of about 14 to 16 ounces of filler to about 28 fluid ounces of softening agent.

2,249,119

AXLE PULLER

Joseph Di Palma, Brooklyn, N. Y., assignor to Kellems Products Inc., New York, N. Y., a corporation of New York

Application August 9, 1939, Serial No. 289,114
6 Claims. (Cl. 294—86)



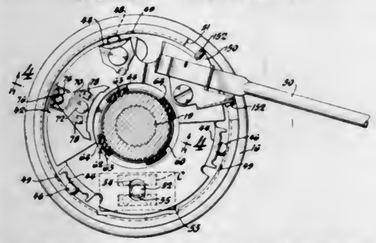
1. A pulling device comprising a handle adapted to be grasped by the hands of an operator and having at one end a longitudinally extending recess, means positioned on said handle at the outer end portion of said recess and having internal outwardly flaring surfaces providing a tapered seat which communicates at its inner narrow end with said recess, said means being of rigid construction and permanently fixing the cross-sectional area enclosed by said tapered seat, a gripping member positioned at one end in said recess and projecting outwardly beyond said end of the handle, said gripping member being composed of a plurality of strands interwoven about a common axis to form an open-meshed structure, the portions of the strands of such structure positioned in said recess being bunched together and the portion of said woven structure extending through said rigid means being formed to seat on said tapered seat under compressive forces applied lengthwise of said structure, the rigid fixed surfaces of said seat during the application of said compressive forces being adapted to rigidify the meshed structure against longitudinal bending and to enable the structure to be compressed to increase its transverse dimensions under such compressive forces without buckling, and means positioned in said recess at a point inwardly of said tapered seat and securing the bunched portions of the strands in said recess to said handle.

2,249,120

DIRECTION SIGNAL OPERATING MEANS

Harry C. Doane and Albert G. Vosburgh, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 7, 1939, Serial No. 308,033
12 Claims. (Cl. 200—59)



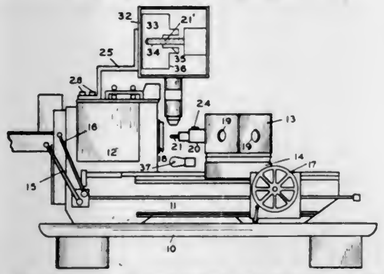
1. In operating mechanism for direction signals for vehicles the combination of steering mechanism, means for operating said direction signals, restoring means associated with the steering mechanism and the operating means for restoring the operating means to off position when the steering mechanism is returned toward straightaway position after the signal has been operated, said restoring means comprising an operating member frictionally driven by the steering mechanism so as to be able to slip in case of jamming or other failure of the signal operating or restoring means so as to prevent interference with the steering mechanism.

2,249,121

APPARATUS FOR SETTING MACHINE TOOLS

Theodore B. Drescher, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application December 2, 1939, Serial No. 307,296
4 Claims. (Cl. 29—57)



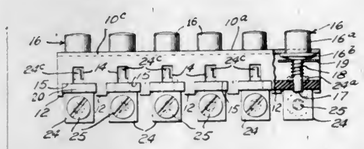
1. In a cutting machine of the type having means for supporting a work piece, means for supporting a cutting tool and means for moving the cutting tool into cutting relation with the work piece, an apparatus for checking the size, position and contour of the tool prior to supporting a work piece for a cutting operation, comprising, a projection screen adjacent to the machine, means carried by said screen for representing in profile at a predetermined magnification the size and the contour to which the work piece is to be cut, an objective lens for forming an image of said tool on said screen in a position with respect to said profile which corresponds to the position assumed by the tool with respect to a work piece carried by the supporting means therefor at the completion of a cutting operation, said lens forming said image at the predetermined magnification of the profile, and means for supporting the objective lens between the tool and the screen.

2,249,122

MULTIPLE PUSH BUTTON SWITCH CONSTRUCTION

Robert S. Edwards, New Canaan, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York

Application July 15, 1939, Serial No. 284,614
6 Claims. (Cl. 200—5)



1. A multiple push-button switch construction comprising a strip-like sheet-metal member having a plurality of apertures spaced along its longitudinal axis and bent along two lines spaced to either side of said axis to give it a U-shaped cross-section, the bent portions thereof having a plurality of juxtaposed bendable lugs with shoulders to each side of each lug formed in the edges of said bent portions, said apertures having flanged push buttons projecting therethrough from the interior of said U-shaped member, each button having a stem projecting beyond the plane of said shoulders and having a spring thereabout, each button having conductive bridging means, strip-like sheet insulating material having spaced along its longitudinal axis a plurality of apertures, one for each of said stems, and carrying, on opposite sides of each aperture, connector-contact means carried by said insulating material and arranged in pairs, with each pair positioned adjacent an aperture, said strip-like insulating material having opposed longitudinal edge portions conformed to rest against said shoulders with apertures in said insulating material positioned to receive, respectively, said stems, said bendable lugs being bent over on to said insulating material to clamp the latter against said shoulders and hold it against warping, said push buttons with said stems and springs being thereby confined between said sheet-metal member and said insulating material, each for slidable movement under the guidance of its stem in an aperture in said insulating material and the guidance of the button in the aperture in said sheet-metal member.

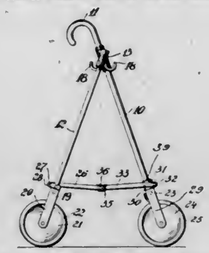
2,249,123

FOLDABLE PACKAGE CARRIER

Leon Fleck, Bronx, and Gabriel Suchestow, New York, N. Y.

Application January 9, 1941, Serial No. 373,744
3 Claims. (Cl. 280—41)

3. In a package carrier having a substantially straight rod and a substantially straight stick, a sleeve freely rotatable about said stick, means for preventing movement of said sleeve longitudinally of said stick, a shaft extending from said sleeve substantially at right angles with respect to said stick and projecting through said rod, said shaft being rotatable about said stick, whereby said stick is rotatable about its longitudinal axis and said stick and said rod are rotatable about an axis passing through both said stick and said rod.

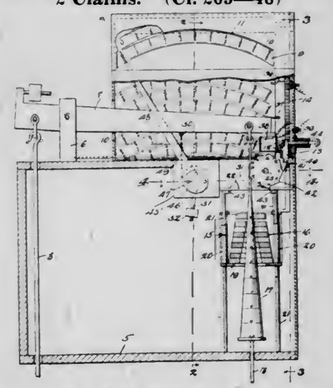


2,249,124

WEIGHING SCALES

James D. Frye, St. Johnsbury, Vt.

Application August 9, 1939, Serial No. 289,294
2 Claims. (Cl. 265—48)



1. Weighing scales comprising a body portion having a sight opening, a scale beam operating within the body portion, a movable member having groups of graduations arranged thereon, the graduations of the groups adapted to register with the sight opening to be viewed therethrough, an indicator operating within the body portion and movable over the graduations indicating measurements of weight, said indicator being visible through said sight opening, electrically controlled means for moving the graduated member to bring various groups of graduations before the sight opening, said electrical means including a normally inactive solenoid, a gear and a rack bar, a pivoted dog for normally holding the rack bar against movement, an armature carried on one end of the dog and adapted to be attracted by the solenoid when the solenoid is energized, releasing the dog and moving said rack bar, and poise members supported within the body portion adjacent to said beam and adapted to transfer to the beam counterbalancing the weight of the article being weighed.

2,249,125

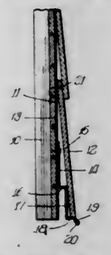
SHINGLE AND SIDING EDGE PROTECTOR

Frank E. Gabriel, Appleton, Wis., assignor to Appleton Supply Co., Inc., Appleton, Wis., a corporation of Wisconsin

Application February 3, 1941, Serial No. 377,088
7 Claims. (Cl. 108—26)

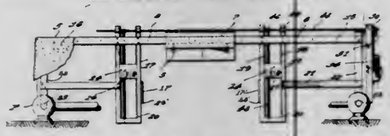
1. An edge protector and starting strip for sid-

ing material comprising a member adapted to be nailed to a supporting surface, a second member extending outwardly therefrom for engaging the under surface of said material and maintaining it



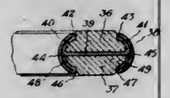
in spaced relation from said supporting surface, and an outwardly extending guard member depending from said last named member and adapted to underlie the lower edge of said material.

2,249,126
CASKET PLACING DEVICE
Clarence E. Gehlbach, Corydon, Ind.
Application February 5, 1940, Serial No. 317,426
11 Claims. (Cl. 27—30)



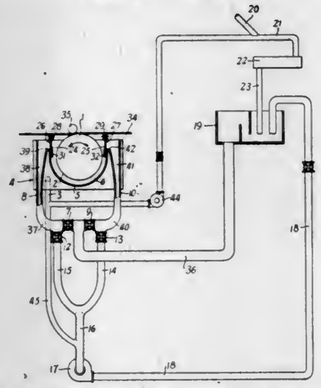
1. A casket placing device including a frame adapted to be positioned over a grave, casket supporting rollers journaled on the frame and each having one end thereof pivotally connected therewith, means operatively connected with the rollers for adjusting said rollers vertically of the frame, means for locking the other end of each roller, and means for automatically releasing the locking means when the rollers are in lowered position to permit said rollers to swing downwardly at the side of the grave.

2,249,127
COMPOSITE GASKET AND CASING THEREFOR
Frederick W. Goetze, Plainfield, N. J.
Application October 16, 1939, Serial No. 299,655
13 Claims. (Cl. 288—26)



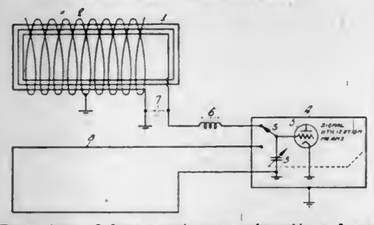
1. A composite gasket formed with an opening, comprising two layers of compressible packing material and a sheet metal casing having a relatively flat web interposed between the layers of packing material and having the sheet metal of the web bent outwardly from the plane of the web to form a flange engaging the periphery of one of said layers, and having the sheet metal at the outer terminal of said flange reversely folded upon the exterior face of the outwardly bent flange to form a second flange extending in a direction generally opposite to the direction of the first mentioned flange, said second flange extending to and beyond the plane of the web and engaging the periphery of the second of said layers.

2,249,128
CYLINDER PAPER MACHINE
Philip H. Goldsmith, Hamilton, Ohio
Application December 23, 1937, Serial No. 181,305
2 Claims. (Cl. 92—43)



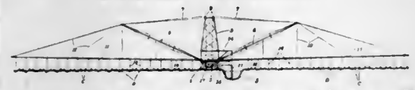
1. In a cylinder paper machine of the type wherein a foraminous rotatable cylinder is suspended in a vat to form a vat circle space which is supplied with a paper stock from a headbox and wherein stock in passing from said headbox to said vat passes through a main supply line and recirculating stock in leaving said vat passes through a pump suction line, the combination of a branch conduit connecting said vat circle space at the downturning side of said cylinder with said main supply line and said pump suction line, valve means in said branch conduit for selectively causing stock to flow through said conduit either from said supply line to said vat circle space or from said vat circle space to said pump suction line, a second branch conduit connecting said vat circle space at the upturning side of said cylinder with said main supply line and said pump suction line, and valve means in said second branch conduit for selectively causing stock to flow through said conduit either from said main supply line to said vat circle space or from said vat circle space to said pump suction line.

2,249,129
LOOP ANTENNA CIRCUIT
William H. Grimditch, Rydal, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 17, 1939, Serial No. 279,745
10 Claims. (Cl. 250—33)



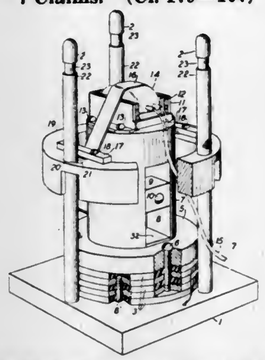
3. In a tuned loop antenna circuit, a loop antenna having a certain distributed capacity to ground and a certain ratio of reactance to resistance, a lumped inductance connected in series with said loop antenna, said lumped inductance having a substantially lower distributed capacity to ground and a substantially higher ratio of reactance to resistance than that possessed by said loop antenna, and a tuning condenser connected in shunt with said series connected loop and lumped inductance.

2,249,130
IRRIGATION MACHINE
Leo A. Gunther, Knights Landing, Calif.
Application October 3, 1938, Serial No. 233,097
3 Claims. (Cl. 61—12)



1. An irrigation machine comprising a wheel supported chassis movable lengthwise of a water supply ditch to one side of the same, a pump mounted on the chassis and having an outlet conduit adapted to deliver onto the land, a water intake conduit connected to the pump and including a flexible portion extending lengthwise and at a forward and downward slope relative to the chassis from adjacent the rear end and on one side thereof to a termination rearwardly of and normally below the front end of the chassis, a rigid arm projecting laterally from said one side of the chassis ahead of the intake conduit termination and a tension member extending downwardly and rearwardly between said arm and the intake conduit adjacent said termination.

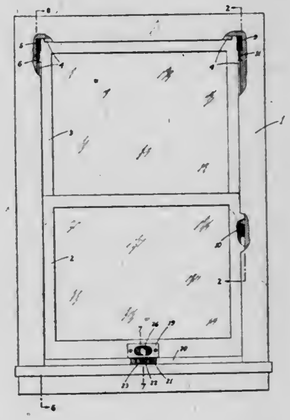
2,249,131
METHOD OF AND APPARATUS FOR TESTING RECEIVERS
Erhard Hartmann, New York, N. Y., and Luther E. Krebs, West Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 18, 1939, Serial No. 262,678
7 Claims. (Cl. 179—107)



1. An apparatus for measuring the frequency response characteristic of a bone conduction receiver comprising in combination a complex mechanical impedance load substantially equal to that of the average human mastoid, means for applying said load to said receiver, a variable frequency source adapted to apply a range of audio frequencies to said receiver, and a pick-up means adapted to measure the response of said receiver throughout said frequency range.

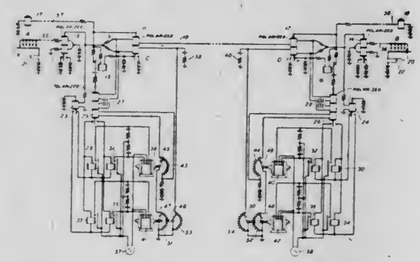
2,249,132
WINDOW
Henry C. Haslam, Chowchilla, Calif.
Application October 16, 1939, Serial No. 299,684
5 Claims. (Cl. 20—52)

1. A sash window structure including upper and lower sashes disposed in different transverse planes, means operatively connecting the sashes to positively lower the upper sash by upward movement of the lower sash while enabling the lower sash to be again lowered without moving



the upper sash from its lowered position, and separate means connecting the sashes in counterbalancing relation and arranged to function irrespective of relative movement between the sashes and through the entire range of travel thereof.

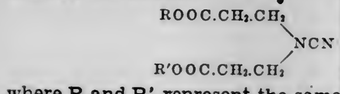
2,249,133
AUTOMATIC BALANCING SYSTEM
Richard B. Hearn, Hollis, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1939, Serial No. 282,013
6 Claims. (Cl. 178—69)



1. A duplex telegraph system comprising a telegraph line, transmitting and receiving apparatus connected to said line, an artificial line connected to said receiving apparatus, a variable resistance connected to said artificial line, a single measuring device responsive to differences in current flowing in the main line and the artificial line, a local circuit for said measuring device for adjusting the limits of response of said device, and means responsive to one set of signaling conditions applied to said system for varying the potential applied to said local circuit under control of said measuring device and means responsive to another set of signaling conditions applied to said system for varying the resistance of said artificial line under control of said measuring device.

2,249,134
ESTER SUBSTITUTED CYANAMIDE
Ingenuin Hechenbleikner, Stamford, Conn., and Christian Best, Champaign, Ill., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 2, 1940, Serial No. 327,456
4 Claims. (Cl. 260—482)

1. As a new compound, a disubstituted cyanamide of the formula



where R and R' represent the same aliphatic hydrocarbon radical.

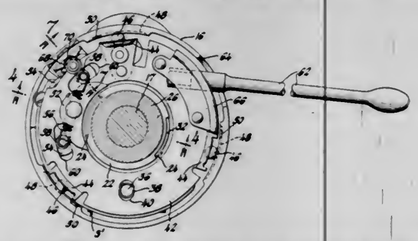
2,249,135
β,β'-DICYANODIETHYL CYANAMIDE
Ingenuin Hechenbleikner, Stamford, Conn., and Christian Best, Champaign, Ill., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 2, 1940, Serial No. 327,458
1 Claim. (Cl. 260—464)

As a new compound, β,β'-dicyanodiethyl cyanamide.

2,249,136
ELECTRIC CONTACTING ELEMENT
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Original application June 28, 1937, Serial No. 150,756. Divided and this application January 16, 1940, Serial No. 314,052
1 Claim. (Cl. 200—166)

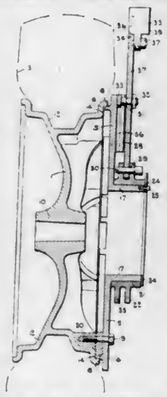
An electric contacting element of the type comprising contactor contacts and pressure exerting electrodes, said element being composed of 0.1 to 3.0% cadmium, 0.1 to 2.5% chromium, 0.05 to 5.0% silicon and the balance substantially all copper.

2,249,137
AUTOMATIC RESET FOR DIRECTION SIGNALS
Robert H. Hill, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 11, 1939, Serial No. 308,547
7 Claims. (Cl. 200—59)



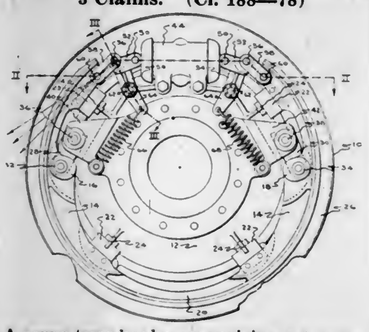
1. In operating mechanism for direction signals for vehicles the combination of a steering shaft having a shoulder thereon, means shiftable about the axis of the shaft for operating said signal, and means for resetting said operating means comprising a sleeve surrounding the shaft and abutting the shoulder at one end, means carried by the shaft yieldingly pressing the sleeve against the shoulder so as to cause it to rotate with the shaft, and means connected to said operating means and adapted to operatively engage the sleeve when the shaft is returned toward straight-away position to return said operating means to off position.

2,249,138
TRACTION DEVICE
Walter Hill, Evesham, England
Application April 22, 1939, Serial No. 269,534
In Great Britain April 25, 1938
5 Claims. (Cl. 301—47)



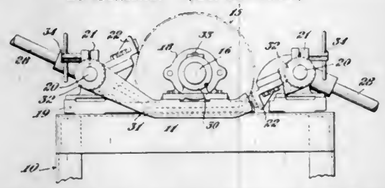
1. An attachment for a wheel of the kind referred to including a member adapted for application to an existing wheel, guides on said member, lateral projections on the cleats intermediate the ends thereof, said projections engaging slidably in said guides, each of said guides being open ended so that the engagement between the projections and the guides will be a self-cleaning one, a collar adjustably mounted on said member, each cleat being pivoted at its inner end to said collar, said collar being adjustable on said member to move said cleats in unison between said operative and inoperative positions.

2,249,139
BRAKE CONSTRUCTION
Charles Hollerith, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application May 24, 1939, Serial No. 275,354
3 Claims. (Cl. 188—78)



1. A servo type brake comprising a torque plate, a curvilinear brake shoe having an anchorage at one end with said plate, a brake actuator supported from said plate adjacent the other end of said shoe, servo control means supported from said plate and connected to said actuator, a push bar located between said means and said other end of said shoe and having an adjustable connection with said means, the servo action of said shoe through movement of said actuator being controlled by the location of the connection between said bar and means.

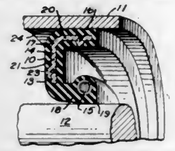
2,249,140
ALIGNING MACHINE
Robert Inglee, Westdale, Mass., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application May 18, 1940, Serial No. 335,943
15 Claims. (Cl. 33—185)



1. Method of aligning the teeth of a saw cylinder having a plurality of peripherally toothed disks comprising the steps of aligning one row of teeth and while maintaining such teeth in alignment, aligning another row of teeth spaced circumferentially of the first row, and clamping the disks against relative movement.

15. A machine of the class described, comprising means for supporting a saw cylinder shaft having a series of saw blades loosely mounted thereon, and having means for clamping the blades in fixed position on the shaft, means operative by engagement with teeth of the several saw blades to align corresponding teeth of the several blades at least at two peripherally spaced points.

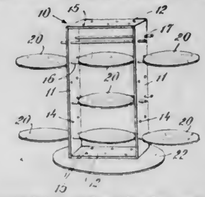
2,249,141
FLUID SEAL
Lloyd A. Johnson, Hillsborough, Calif., assignor to National Oil Seal Co., Oakland, Calif., a corporation of Nevada
Application April 14, 1936, Serial No. 74,357
10 Claims. (Cl. 288—3)



1. As an article of manufacture, a fluid seal adapted for insertion under peripheral compression to establish a self-sustaining leak-tight fit against the bore of an opening through which a shaft projects, comprising a rigid continuous flanged circular ring, a body portion of pliant moldable material molded around said ring so as to embed it completely therein and a depending pliant lip portion formed integral with said body portion and extending into sealing contact with said shaft.

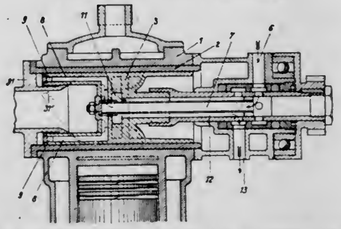
2,249,142
DISPLAY DEVICE
Lewis A. Kagel, Tuckahoe, N. Y., assignor to J. C. Penney Company, a corporation of Delaware
Application March 4, 1939, Serial No. 259,757
3 Claims. (Cl. 211—134)

1. A display device comprising a generally rectangular frame having opposed side and end walls, each wall having at least two laterally spaced openings therein, and a pair of elongated members extending horizontally between opposite walls and through opposed openings therein, the members being removable from the openings and being at least as long as the frame whereby



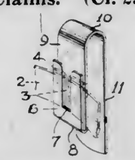
they are insertable selectively and adjustable lengthwise in opposed openings in the side walls, when the frame is on end, and in the end walls, when the frame is on one side, the members together forming a support within the confines of the frame and another support outside the frame when the frame is on end.

2,249,143
CONTROL GEAR FOR EXPLOSION OR INTERNAL COMBUSTION ENGINES
Oskar Kiesel, Munich, Germany, and Hans Arquint, Sursee, Switzerland
Application June 24, 1939, Serial No. 280,918
In Germany June 27, 1938
3 Claims. (Cl. 123—190)



1. In a distribution valve for internal combustion engines, a rotary valve arranged transversely in the cylinder head of the engine and having admission and exhaust control slots, said valve having in its periphery on the suction side open bores, on the exhaust side an annular chamber and additional bores, the gas mixture being drawn from the suction side through the first mentioned bores into the annular chamber and into the last mentioned bores before entering the cylinder through the admission slots, thereby uniformly cooling the valve on its entire periphery.

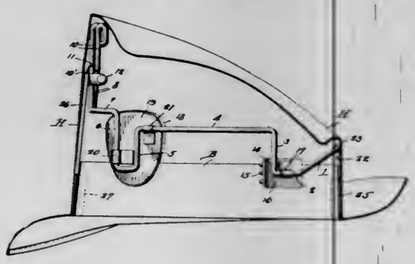
2,249,144
HANDLE MEANS FOR CONTAINERS
Ignatius J. Kleina, San Francisco, Calif.
Application May 25, 1940, Serial No. 337,253
2 Claims. (Cl. 294—27)



1. In handle means for containers, a metallic strap encircling a container having its ends positioned adjacent each other and provided with outwardly and backwardly projecting flanges, an

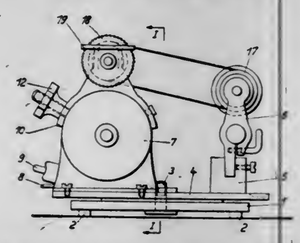
upstanding member having a substantially vertical slot open at its upper end and closed at its bottom end, the said slot being adapted to removably receive the outwardly disposed parts of the flanges of the strap, an upwardly disposed member secured to the lower end of the upstanding member and positioned in substantially parallel relationship to but spaced from the said upstanding member, the backwardly disposed parts of the flanges being positioned between and in frictional engagement with the upstanding member and the outwardly disposed member, whereby the said members may be releasably secured to the flanges of the strap, and a hand grasping member joined to the outwardly disposed member.

2,249,145
SCALP TREATING DEVICE
Louis Kraft, Englewood, N. J.
Application May 28, 1940, Serial No. 337,695
5 Claims. (Cl. 132—59)



1. A device of the class described including a frame formed of a single spring wire shaped and proportioned to surround the head of the user, said frame having oppositely extending lapping arms constituting terminals of the frame, finger pieces extending from the arms and positioned for movement toward each other to expand the frame transversely, the arms and finger pieces being formed of the end portions of said wire, opposed head gripping pads carried by the side portions of the frame, and a spring connecting the arms and supplementing the frame for holding the opposed pads normally pressed toward each other.

2,249,146
LATHE
Rudolf Krug, Forbach, Murgtal, Germany
Application April 8, 1940, Serial No. 328,459
In Germany April 29, 1939
5 Claims. (Cl. 29—27)



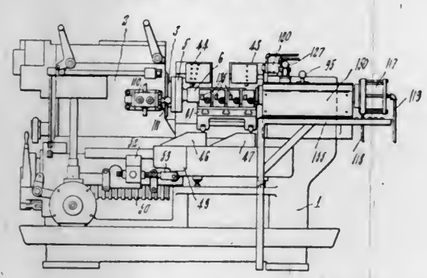
1. In a watchmaker's lathe the combination of a stationary electric driving motor having a casing with a common rotatable base plate for the lathe and said driving motor, clamping means on said rotatable base plate for detachably securing the lathe thereto, said clamping means and said motor casing being rigidly connected to said rotatable plate for rotation as a unit, and a supporting plate for said rotatable base plate, said supporting plate having feet thereon for universal placement of the entire assembly.

2,249,147
QUICK TRAVERSE WINDING FRAME
Josef Küppers, Gladbach-Rheydt, Germany
Application July 7, 1939, Serial No. 283,231
In Germany November 3, 1937
3 Claims. (Cl. 242—43)



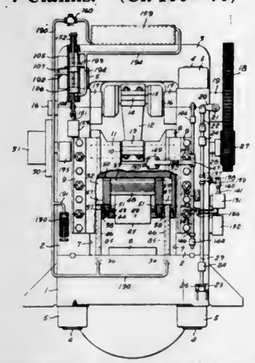
1. In a quick traverse winding frame, a slotted drum, a bobbin resting on and driven by said drum, means for imparting a crosswise rocking movement to said bobbin in proportion to the continually changing diameter of the bobbin, said drum having its outer surface converging from one end to the other and of arcuate form lengthwise, said bobbin resting on and being engaged by said drum surface.

2,249,148
LATHE
John E. Lovely and Ralph M. Gamble, Springfield, Vt., assignors to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application July 25, 1939, Serial No. 286,365
15 Claims. (Cl. 82—2)



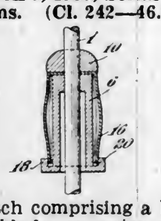
1. In a lathe having a bed, a headstock supported by said bed and having a spindle, and a tailstock, means pivotally supporting said tailstock about an axis substantially parallel to the axis of said headstock spindle for motion into and out of operative relation to said headstock spindle and when out of operative relation permitting work to be removed or inserted by axial motion in line with said spindle, stationary portions on said bed between which said tailstock is positioned when in operative relation to said spindle, and latching means carried by said tailstock and engaging said portions for releasably securing said tailstock in operative relation to said spindle.

2,249,149
AUXILIARY HYDRAULIC DEVICE FOR PRESSES
Howard F. MacMillin, Mount Gilead, Ohio, assignor to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Original application August 16, 1934, Serial No. 740,148. Divided and this application August 24, 1936, Serial No. 97,579
7 Claims. (Cl. 100—70)



3. In combination in a press, a mechanically movable platen, mechanical means to move said platen through a predetermined working stroke, a hydraulically-operable ram associated with said platen and adapted to be advanced thereby, a fluid source for supplying fluid to said ram, means associated with said platen and responsive to the advancing movement thereof for exerting fluid pressure on said ram to additionally advance the same, and means responsive to the attainment of a predetermined pressure after the completion of a part of the working stroke for completely releasing pressure fluid on said ram while said ram continues its advancing stroke.

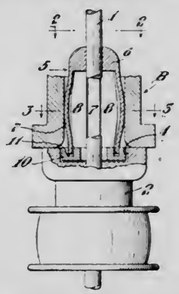
2,249,150
BOBBIN CLUTCH
George H. Magrath, Whitinsville, Mass.
Application March 9, 1939, Serial No. 260,679
7 Claims. (Cl. 242—46.6)



1. A bobbin clutch comprising a blade, a whirl mounted on said blade, an outer case having a head fixed to said blade and a depending skirt formed with spaced openings, clutching means comprising a body member having depending expansible segments acting through said openings for frictionally holding a bobbin, and an inner case mounted on said blade independently of said whirl and fitting within said outer case, the upper end of said inner case clamping said body member against the head of said outer case.

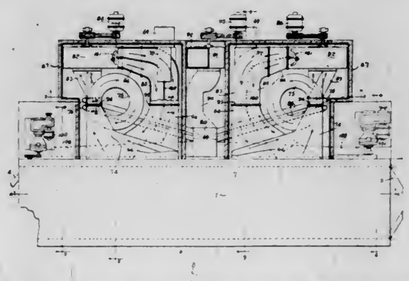
2,249,151
BOBBIN CLUTCH
George H. Magrath, Whitinsville, Mass.
Application March 9, 1939, Serial No. 260,680
5 Claims. (Cl. 242—46.6)

1. A bobbin clutch comprising a blade, a whirl mounted on said blade for supporting the lower end of a bobbin, said whirl having a circular recess concentric with said blade, and clutching means mounted on said blade above said whirl for holding the bobbin in position on said whirl, said clutching means including a head member fixed to said blade and a plurality of depending fingers circumferentially disposed about said blade and including outwardly bowed flexible spring fingers for frictionally holding the bobbin, said depending fingers defining an outer surface free from yarn-collecting irregularities and



substantially preventing the entrance of yarn into the interior of the clutch, and an annular retaining member positioned within said recess in spaced relation to said blade, said retaining member having an annular recess in which the lower ends of said depending fingers are received, said head member, depending fingers and retaining member constituting a unit structurally independent of said whirl and said retaining member being of such size and shape that it does not contact a bobbin when applied to, removed from, or seated on said whirl.

2,249,152
OVEN
Donald E. Marshall, Battle Creek, Mich., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware
Application January 31, 1940, Serial No. 316,524
2 Claims. (Cl. 107—57)



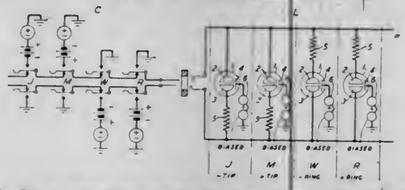
1. In an oven for toasting cereal flakes, means for conveying the flakes through the oven, means for passing heated air through the flakes as they move through the oven, means for withdrawing the air from the oven and reheating and returning the same to the oven through an intake duct, said duct being partitioned, and means for controlling the relative proportions of the heated air entering the passageways between the partitions of the duct, whereby the distribution of the heated air throughout the oven may be controlled.

2,249,153
TESTING DEVICE
Wade B. Martin, Westwood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 2, 1939, Serial No. 271,402
3 Claims. (Cl. 178—69)



1. A test plug for communication switchboards comprising a conducting sleeve member, an insulating shell surrounding a portion of said sleeve member, a gaseous conduction lamp mounted within said sleeve member, a flexible conducting tip member insulatingly supported by said sleeve member, and impedance elements connecting said lamp to at least one of said conducting members.

2,249,154
TELEPHONE RINGING SYSTEM
Keith L. Maurer, Rockville Centre, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1939, Serial No. 308,216
4 Claims. (Cl. 179—16)



1. In a selective signaling system, a line, a plurality of telephone stations, a source of pulsating signaling current, means for selectively connecting either pole of said source to either side of the line and ground and the other pole of said source to the opposite side of the line, biased telephone ringers at each station adapted to respond to pulsating current flowing therethrough in a predetermined direction, a high resistance element and a three-element gas-filled discharge device comprising an anode and two other closely spaced electrodes associated with each ringer and so connected that said closely spaced electrodes are connected to opposite sides of the line in series with the respective high resistances, and said anodes are connected to ground in series with the respective ringers, said discharge devices being so constructed that a bilateral discharge path of substantially equal conducting characteristic exists between said anode and either of said other electrodes, and said resistances are connected in such a manner that at stations whose ringers are desired to respond to pulsating current applied to one side of the line, the respective resistances are connected between the tubes and the other side of the line.

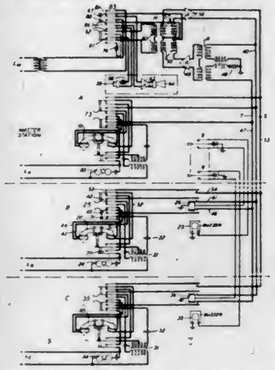
2,249,155
PACKING MEANS FOR BRIDGING PLUGS
Lorrain D. Meddick, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application December 11, 1939, Serial No. 308,601
3 Claims. (Cl. 166—13)

1. In a bridging plug: a packing sleeve having at its ends radially outer and radially inner, axially directed pressure lips; and a packing element expander engageable with each end of said sleeve, each having an axially directed channel adapted to receive one of said pressure lips, and



a beveled face adapted to engage the other of said pressure lips.

2,249,156
TELEPHONE SYSTEM
Josiah L. Merrill, Jr., Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1940, Serial No. 313,308
9 Claims. (Cl. 179—42)

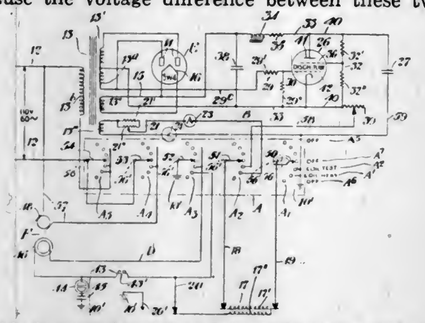


1. In a telephone system, a master station, a plurality of secondary stations each equipped with a telephone handset, a hybrid coil at said master station, a pair of one-way speech channels extending from said coil to said secondary stations, and means for connecting the transmitter and receiver elements of the handsets to separate speech channels.

2,249,157
METHOD OF AND APPARATUS FOR TESTING IGNITION COILS
John D. Morgan, South Orange, and Percy B. Levitt, Millburn, N. J., assignors, by mesne assignments, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application December 8, 1937, Serial No. 178,818
8 Claims. (Cl. 175—183)

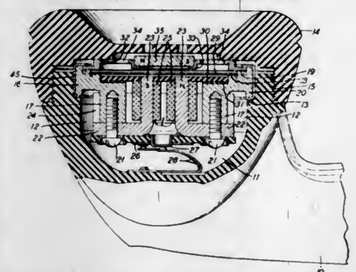
1. The method of testing an unknown electrical circuit which comprises passing a train of electrical impulses through the unknown electrical circuit by means of a grid-controlled gaseous discharge tube having a cathode, a control grid and a second grid, applying an alternating

current voltage between the control grid and cathode, and maintaining the second grid at a positive potential with respect to the cathode to cause the voltage difference between these two



grids to vary to such a degree that at a definite point in the control grid voltage cycle the voltage difference is of a sufficient magnitude to initiate a discharge in the aforesaid unknown electrical circuit.

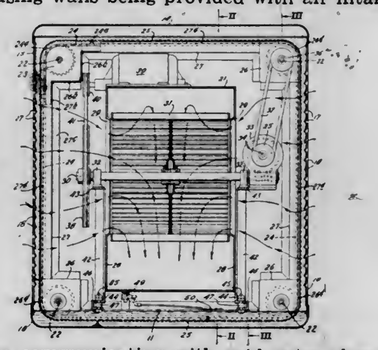
2,249,158
ELECTROACOUSTIC TRANSDUCER
Louis A. Morrison, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 19, 1939, Serial No. 274,485
6 Claims. (Cl. 179—114)



1. An electroacoustic transducer comprising a magnetic structure including a permanent magnet, a diaphragm, means supporting said diaphragm opposite said structure, an auxiliary permanent magnet opposite the face of said diaphragm remote from said structure, said magnetic structure and auxiliary magnet having their pole portions in juxtaposition and juxtaposed pole portions being of unlike polarity, and means for impressing an alternating magnetomotive force upon said magnetic structure only, the magnetomotive force of said first magnet being of the same order of magnitude as the magnetomotive force of said second magnet, and the reluctance of the circuit including said diaphragm and said first magnet being less than the reluctance of the circuit including said diaphragm and said second magnet.

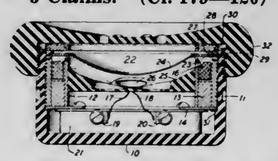
2,249,159
AIR CONDITIONING APPARATUS
Tomlinson I. Moseley, San Francisco, Calif.
Application March 18, 1940, Serial No. 324,552
4 Claims. (Cl. 261—80)

1. In air conditioning apparatus, a housing formed to contain a pool of air conditioning liquid, a moisture conveying air-pervious endless belt mounted in said housing for cyclic travel into and out of said pool to progressively submerge therein and moisten successive portions of said belt and translate the moistened belt web in its cyclic path above said pool, said belt dividing the interior of the housing above said pool into an outer air chamber surrounding the belt web and an inner air chamber within said belt web and the housing walls being provided with air intake



openings communicating with said outer chamber and an air discharge opening communicating with said inner chamber, belt driving means for continuously driving said belt, and air circulating means for continuously drawing air through said air intake openings, said outer chamber and said moistened belt web into said inner chamber and for discharging said air from said inner chamber through said discharge opening.

2,249,160
ACOUSTIC DEVICE
Edward E. Mott, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 19, 1939, Serial No. 274,483
3 Claims. (Cl. 179—120)

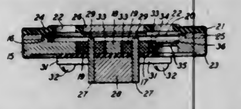


1. An acoustic device comprising an annular magnetic structure including means for producing a unidirectional magnetic field and a signal coil, a diaphragm having a ring armature portion, said portion being separated from said magnetic structure by an air gap, and means for reducing the flux density in said armature portion to a point of approximately maximum permeability relative to alternating flux without reducing the flux density in said air gap consisting of a magnet spaced from said armature portion and polarized to produce a second unidirectional magnetic field of materially less magnitude than and in opposition to said first magnetic field.

2,249,161
ELECTROACOUSTIC DEVICE
Edward E. Mott, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 19, 1939, Serial No. 274,484
12 Claims. (Cl. 179—114)

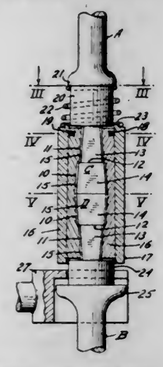
1. A telephone receiver comprising a substan-

tially flat foundation member having an annular seating surface on one face thereof and having also a central aperture, a magnetic diaphragm mounted on said seating surface, and actuating means for said diaphragm including a pair of substantially parallel T-shaped pole-pieces the legs of which extend through said



central aperture and terminate in proximity to said diaphragm and the arms of which extend along the opposite face of said foundation member, said pole-pieces having lugs seated upon and secured to said opposite face, signal coils on said legs and a single bar permanent magnet extending between and secured to said arms of said pole-pieces.

2,249,162
THREADLESS INTERLOCKING COUPLING
Adolph E. Nielsen, Alameda, Calif.
Application May 26, 1939, Serial No. 275,784
3 Claims. (Cl. 287—111)



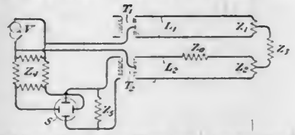
1. A coupling comprising headed coupling members adapted to be axially aligned in opposed relationship and having angularly related clutch faces, a coupling sleeve comprising opposed half sections each adapted to interlockingly embrace said coupling members and each having angularly related internal wall surfaces to match the angularly related clutch faces of said coupling members, contractile means tending to maintain said half sections in assembled relationship, and means for rigidly clamping said half sections on said coupling members.

2,249,163
IMPLEMENT FOR APPLYING FLUENT MATERIALS
John P. Nissen, Jr., Noble, Pa.
Application March 9, 1940, Serial No. 323,217
6 Claims. (Cl. 91—62.6)

1. In an implement for applying a fluent, air-drying material to an underlying surface and including a valved tip for applying the material, a tubular reservoir arranged for vertical disposition when the tip is applied in operative relation to a surface to be treated, and a weighted follower slidable within the reservoir for exerting pressure upon a body of fluent material within the reservoir when the implement is in operative position, a body of material that has a solvent effect upon the material to be applied by the implement arranged within the reservoir behind the follower.



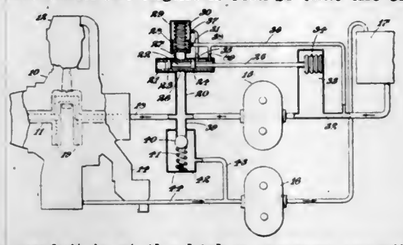
2,249,164
ELECTRICAL MEASURING SYSTEM
Nels Kermit Olson, Seattle, Wash., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 1, 1940, Serial No. 332,832
6 Claims. (Cl. 179—175.3)



1. Apparatus for locating an irregularity in a cable circuit, comprising an oscillator of adjustable frequency connected to said circuit, an oscilloscope two of the opposite plates of which are connected to said oscillator, said circuit being connected to the other two plates of said oscilloscope for receiving the voltage reflected by the irregularity, and means for varying the frequency of the oscillator continuously to observe the frequencies at which identical patterns are visible on the screen of the oscilloscope.

2,249,165
LUBRICATION SYSTEM OF INTERNAL-COMBUSTION ENGINES
Frank Morgan Owner, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application November 21, 1939, Serial No. 305,536
In Great Britain December 22, 1938
3 Claims. (Cl. 123—196)

1. A lubrication system for an internal-combustion engine comprising, in combination, an engine-driven pump, a conduit leading from the discharge side of the pump to the parts requiring lubrication, two pressure-relief valves communicating with said conduit, one of which is normally operative to keep down the pressure in the conduit to a value sufficient for normal running conditions and the other of which is operative to prevent the pressure in the conduit from exceeding a value substantially higher than the normal pressure, and means directly responsive to the temperature of the oil and operative to render the normal-pressure valve inoperative when the engine is cold so that the oil in



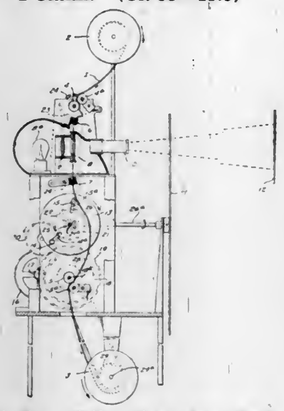
the conduit is at the higher pressure permitted by the high-pressure valve.

2,249,166
ELECTRICAL PROBE
George B. Parker, East Orange, Lloyd L. Parker, Ridgewood, and John P. Meehan, Harrington Park, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application September 22, 1939, Serial No. 296,150
4 Claims. (Cl. 175—183)



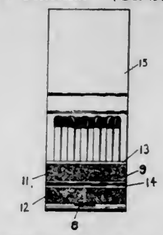
1. A device for picking up an alternating voltage or current effect surrounding a conductor contained within a cable, comprising a coil of wire, a holder for said coil of wire, a transmission circuit connected to said coil of wire, said holder including a non-magnetic member providing a capacity with respect to said conductor, the inductance of said coil and the capacity of said transmission circuit being resonant at a frequency substantially equal to that of the voltage or current effect to be picked up.

2,249,167
TELEVISION FILM PROJECTOR
Louis W. Parker, Astoria, N. Y., assignor, by mesne assignments, to C. T. Allen, New York, N. Y.
Application May 20, 1939, Serial No. 274,695
1 Claim. (Cl. 88—18.6)



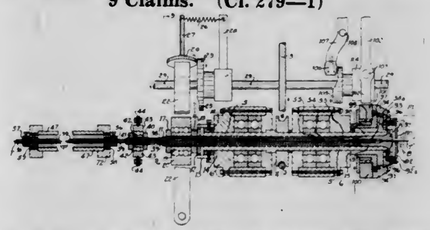
In a projector of the class described, a take-up sprocket arranged to take up film at constant speed, a film gate, means for feeding film toward said gate at constant speed, and means between said take-up sprocket and said gate for pulling the film through said gate, said last mentioned means comprising an element mounted for rotation at constant speed in a plane perpendicular to the plane of the film, and having a pair of fingers arranged to engage the film and displace it sideways, said fingers being so placed on said disk element as to subtend angles of 144° and 216°, and said fingers being spaced at unequal distances radially from the center of said element.

2,249,168
BOOK MATCH
Ray A. Premo, Portland, Oreg.
Application March 8, 1938, Serial No. 194,571
2 Claims. (Cl. 206—29)



1. The combination in a book of matches, comprising, a plurality of matches arranged so as to be removed one at a time, a back for said matches that is comprised of a single piece, with said back being folded twice between its ends, with one of said folds enclosing the head end of the matches and the other one of the folds enclosing the base end of the matches therebetween and arranged to enclose the matches when folded into enclosing position, with the base end of the book of matches being fixedly held in place by a staple, a flap terminating the base end of the back, said flap being scored midway its sides and an abrasive strip being disposed on the same side of the flap and at each side of the score so that a match head may be clasped between the folding ends for being struck while the remaining matches are enclosed between the remaining folded part of the back.

2,249,169
CHUCK
Anton A. Pruckner, Bridgeport, Conn., assignor to Superior Tube Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 15, 1938, Serial No. 224,928. Divided and this application May 22, 1940, Serial No. 336,532
9 Claims. (Cl. 279—1)



1. A chuck having jaws for holding and rotating the work, and auxiliary means carried by the chuck movable, during rotation of the chuck, in one direction to position to support the work during an operation thereon, against deflection, at a region distant from said holding and driv-

ing jaws and in reverse direction to another position clear of the work for another operation thereon while held and rotated by said jaws.

2,249,170

LINER HANGER

Harry J. Quintrell, San Gabriel, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application October 14, 1938, Serial No. 234,942
5 Claims. (Cl. 166—12)



1. A liner hanger comprising: an anchor structure including a connecting means for initially suspending the liner hanger from a tubing string, and a slip and cone means for securing the liner hanger to a surrounding casing, said slip and cone means adapted to set by a predetermined downward movement of said connecting means; a mandrel suspended from said connecting means and adapted to support a liner; and a unidirectional slip joint between said mandrel and connecting means to restrain said mandrel against downward movement relative to said anchor means, but permit downward setting movement of said anchor means relative to said mandrel.

2,249,171

BRIDGING PLUG PACKING SLEEVE

Harry J. Quintrell, San Gabriel, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application December 19, 1939, Serial No. 309,975
5 Claims. (Cl. 166—13)



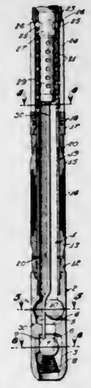
1. In a bridging plug: an expander ring beveled from its inner and outer peripheries to form an axially directed ridge; a packing sleeve undercut from its inner and outer peripheries to form a channel for coaction with said expander ring, the inner peripheral portion of the sleeve being cut back whereby, when the outer peripheral portions of the expander ring and sleeve are in engagement, there is provided a free travel space between the inner peripheral portion of said expander ring and packing sleeve.

2,249,172

CIRCULATION BRIDGING PLUG

Harry J. Quintrell, San Gabriel, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application December 19, 1939, Serial No. 309,976
6 Claims. (Cl. 166—13)



1. A combination bridging plug and setting tool comprising: a bridging plug, including a central mandrel; a packing sleeve, cone and slip means fitted around said mandrel and movable thereon for engagement with the surrounding casing; a valve housing at one end of said mandrel having valve means adapted to seal said mandrel from the flow of fluid therethrough, said mandrel having fluid ports at its other end; a setting tool including means movably engageable with said mandrel and a sleeve fitting over said mandrel and engageable with said slip and cone means; a device for causing relative movement between said sleeve and mandrel to set said slip and cone means and packing element, said sleeve being perforated to permit flow of fluid through said mandrel ports; and means engageable with said valve means for holding said valve means in an open position while said setting tool is connected with said bridging plug.

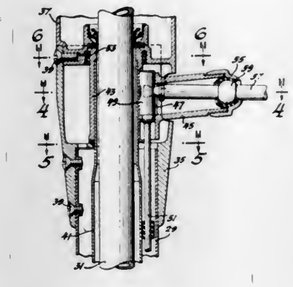
2,249,173

TRANSMISSION SHIFT MECHANISM

Joseph Rawley and Donald P. Croisant, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 28, 1940, Serial No. 326,306
3 Claims. (Cl. 74—484)

1. In remote control mechanism for a vehicle change speed transmission, a steering column, a steering shaft therein, a rotatable shell within said column, a reciprocable rod also within said column, a manually operable lever projecting into said column adjacent its upper end, said lever adapted to reciprocate said rod and to rotate said shell, lever arms extending into said column at the lower ends of said shell and rod and link means connected to said last named



lever arms whereby selection and gear shifting are effected.

2,249,174

PROCESS FOR PRODUCING WHITE WOOD PULP OF HIGH SOLUTION VISCOSITY AND PURITY

George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine

No Drawing. Application February 10, 1936, Serial No. 63,273
2 Claims. (Cl. 92—11)

1. A process of producing white, highly refined, wood pulp of comparatively high solution viscosity, which comprises subjecting unbleached chemical wood pulp to a succession of chemical refining treatments, including chlorination to partially bleached condition, refinement in hot dilute alkaline liquor, bleaching to whiteness, and refinement in strong caustic soda solution, each of said treatments being succeeded by washing, both said chlorination and bleaching treatments being conducted at temperatures not exceeding about 30° C. and said bleaching treatment being conducted in bleaching liquor maintained distinctly alkaline throughout the bleaching operation, said first-named refinement being conducted at a temperature not exceeding about 100° C., and said second-named refinement being conducted at a temperature of about 20° to 50° C. in caustic soda solution of about 14% to 18% or greater strength.

2,249,175

PREPARATION OF SOLUTIONS OF HEAT-RIPENED CELLULOSE XANTHATE

George A. Richter and Harold P. Vannah, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a corporation of Maine

No Drawing. Application October 17, 1938, Serial No. 235,458
3 Claims. (Cl. 260—217)

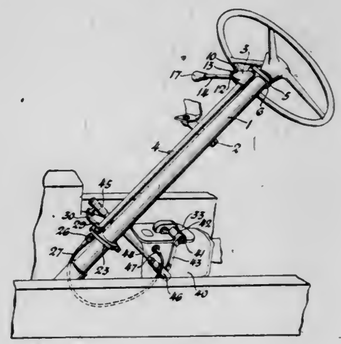
1. A process of producing a solution of heat-ripened cellulose xanthate having a desired degree of ripeness, which comprises heating to much higher than room temperature and in admixture with glycerine a cellulose xanthate of a cellulose content greater than that of said solution to be produced, said glycerine amounting to about 1%, based on said solution, continuing such heating until said xanthate has acquired substantially the degree of ripeness desired, and mixing with said heated xanthate and refrigerated aqueous medium in amount sufficient to dilute the cellulose content of said xanthate to that of the solution to be produced and about 0.2% to 0.5% sodium sulphite, based on said solution, said aqueous medium being sufficiently refrigerated to arrest quickly further substantial ripening reaction in said xanthate and to cool the mixture to a temperature at which said xanthate has substantial ripeness-stability over a substantial period of time and said aqueous medium being mixed with said xanthate in the presence of sufficient alkali to promote substantially complete dissolution of said xanthate in said aqueous medium.

2,249,176

REMOTE CONTROL GEARSHIFT

Arthur A. Rubly, Farmington, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 19, 1937, Serial No. 137,648
16 Claims. (Cl. 74—484)



1. In gearshifting mechanisms, in combination, a shift actuating member, two ratio shifter groups made operative or inoperative by a shift controlling mechanism embodying two independently movable shift determining elements one element of which provides selective presetting movement for said member to establish ratio shift in one of two shifter groups while being positioned to prevent shift in the other group, the other element of which compels actuation within that shifter group selected by said first element, a hand control arranged to rock selectively in the first presetting direction of movement and to rotate transversely thereto for operating the said other element for shift actuation, and divided connecting means joining said control and said independently movable elements one of which means moves the first of said elements and the other of which moves the second of said elements independently from the motion applied to said first named element.

2,249,177

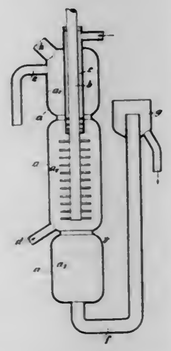
REARRANGEMENT REACTION OF OXIMES

Paul Schlack, Berlin-Treptow, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application November 27, 1939, Serial No. 306,428
In Germany November 28, 1938
5 Claims. (Cl. 260—239)

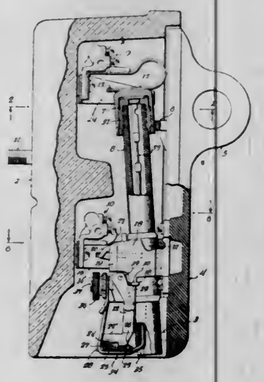
2. A method of continuously carrying out Beckmann's rearrangement reaction of cycloalkanone oximes, which comprises continuously dissolving a cycloalkanone oxime moist with water in an organic solvent of low boiling point

and indifferent to concentrated sulfuric acid, continuously mixing the solution with sulfuric



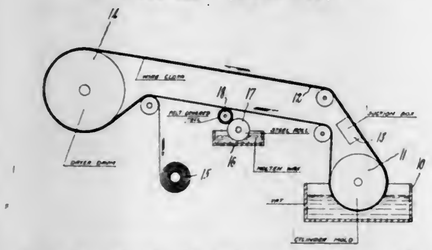
acid, removing the organic solvent and heating the mixture to cause rearrangement of the oxime.

2,249,178
FUSE
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application April 24, 1939, Serial No. 269,613
16 Claims. (Cl. 200—116)



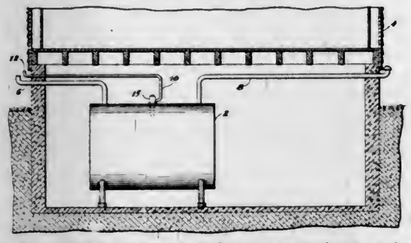
1. A drop-out fuse comprising supporting means having a stationary upper contact and a lower contact, a fuse tube having an upper contact normally engaging said stationary upper contact and having an open lower end, a fuse link extending from the upper contact of said fuse tube outwardly from the open end and electrically connected to said lower contact, said fuse tube being movably supported from said support and movable from operative to inoperative position, movable latching means adjacent the lower portion of said fuse tube for normally holding said fuse tube against motion from operative to inoperative position, and a flip-out device carried by said latching means and over which said fuse link is looped, said flip-out device being biased towards fuse link extracting motion and having motion with respect to said latching means independently of any motion of said latching means.

2,249,179
MANUFACTURE OF BINDER-CONTAINING WATERLAID FELTS
Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin N. H., a corporation of Maine
Application July 8, 1938, Serial No. 218,177
5 Claims. (Cl. 92—39)



5. In a method of producing a waterlaid felt containing a binder activatable to an adhesive state in the presence of moisture and heat, those steps which comprise thinly coating a wire cloth with hydrophobic substance prior to the deposition on said cloth of said waterlaid felt from an aqueous suspension of fiber and said binder, said substance being selected from a class consisting of wax and oil; and then drying said felt on said wire cloth under heat.

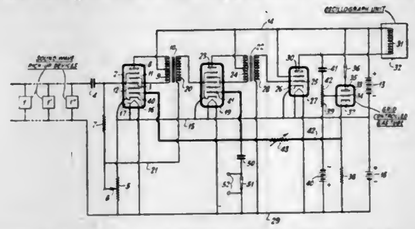
2,249,180
AUDIBLE SIGNALING DEVICE FOR USE WITH TANKS
Frank P. Scully, Cambridge, and Alcide Edward Mathey, Auburndale, Mass., assignors to Scully Signal Co., East Cambridge, Mass., a corporation of Massachusetts
Application September 26, 1939, Serial No. 296,554
14 Claims. (Cl. 137—79)



8. In combination, a building structure, a tank therein, a fill pipe connected to said tank and extending through a wall of said building, a vent pipe connected to said tank and extending through a remote wall of said building, a signaling pipe connected to said tank and extending through a wall of said building to a point in proximity to said fill pipe, a signaling device positioned in said signaling pipe exterior of said building, means for altering the flow of gas through said signaling pipe when the liquid level in said tank has risen to a predetermined point, and a pressure operable valve closing said vent pipe.

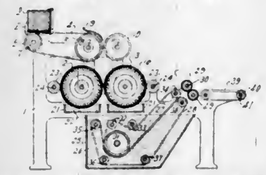
2,249,181
AUTOMATIC GAIN EXPANDER CIRCUIT
Francis H. Shepard, Jr., Rutherford, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 2, 1938, Serial No. 217,114
5 Claims. (Cl. 179—171)

1. In an audio amplifier system, at least one amplifier tube which includes a cathode and an output electrode, a signal input electrode disposed between the cathode and output electrode, at least one auxiliary positive electrode disposed between the cathode and output electrode, an audio output circuit for said tube, a source of audio waves comprising a plurality of sound wave pick-up devices arranged in a predetermined spaced relation, said devices being connected in shunt relation between signal input electrode and cathode, said output electrode and auxiliary electrode being connected in opposition in said output



circuit, a gain control electrode disposed in the electron stream between said cathode and output electrode, a grid-controlled gas tube having input electrodes coupled to said output circuit, said gas tube having a characteristic such that it becomes sharply conductive upon the impression upon its input electrodes of audio waves in excess of a desired intensity, and means responsive to the direct current voltage output of said gas tube for rapidly controlling the potential of said gain control electrode in an amplifier gain-increasing sense.

2,249,182
MACHINE FOR WAXING BLANKS
Melvin H. Sidebotham and Gordon L. Sidebotham, West Newton, Mass., assignors to Harlow M. Russell, Chelsea, Mass.
Application June 4, 1938, Serial No. 211,892
3 Claims. (Cl. 91—51)

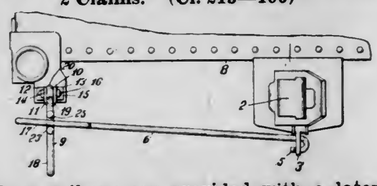


1. In a machine for wax treating box blanks, the combination of a cylinder provided with a plurality of grooves in the outer periphery thereof, the said grooves extending from the ends of the cylinder and lying parallel with the axis thereof, with a frame for rotatably supporting the cylinder, and a wax applying pad mounted on the outer periphery of the cylinder, the said pad being cut to the pattern of the areas of the blank to be wax treated.

2,249,183
PREPARATION OF MONOSUBSTITUTED UREAS
John Kenson Simons, Dormont, Pa., assignor to Plaskon Company, Inc., Toledo, Ohio, a corporation of Delaware
No Drawing. Application June 21, 1938, Serial No. 214,955
3 Claims. (Cl. 260—553)

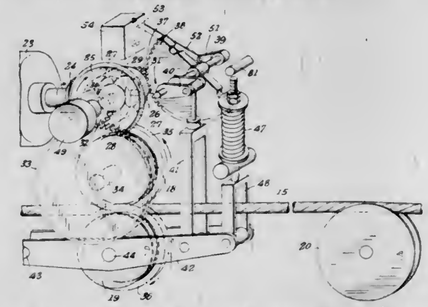
1. A method of preparing a hydroxyalkyl urea that comprises heating urea in an aqueous solution with a lower mono-amino alkanol until ammonia is formed said heating being insufficient to decompose the monosubstituted urea.

2,249,184
COUPLER OPERATING DEVICE
Arthur E. Small, Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 28, 1939, Serial No. 270,605
2 Claims. (Cl. 213—166)



1. In a railway car provided with a laterally movable coupler having a lock movable in the coupler head, a lifter arm pivoted at one end to the coupler and operatively connected at the other end to said lock, and means to rotate said arm, said means comprising a rod operatively connected at its inner end to said arm, a bracket secured to said car, a handle pivoted to said bracket and comprising a portion in a vertical plane spaced from the pivot, a pair of diametrically opposed slots in said portion, the outer end of said rod being formed with a substantially horizontal elongated eye having said portion extending therethrough with the opposite sides of said eye engaged in said slots, whereby the weight of said portion and said rod opposes by gravity upward swinging of said handle.

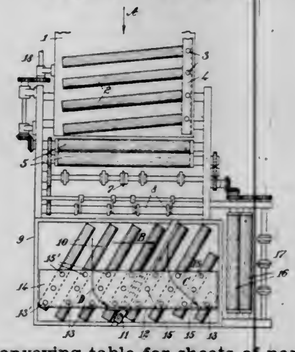
2,249,185
MECHANISM FOR PAYING OUT HOISTING LINES
John C. Smaltz, New York, N. Y., and Carl W. Kahlerth, Newark, N. J., assignors to McKiernan-Terry Corporation, New York, N. Y., a corporation of New Jersey
Application October 15, 1938, Serial No. 235,204
7 Claims. (Cl. 254—176)



6. Paying out mechanism comprising in combination, cooperable line gripping sheaves one movable relative to the other for gripping or releasing a hoisting line between the same, and means for effecting the drive and line gripping and releasing movements of said sheave, including a motor, a differential gear set, including interconnected driving, driven and reaction elements, said driving element being operated by said motor, said driven element being arranged to operate at least one of said sheaves and said

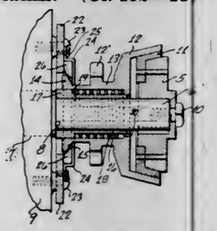
reaction element being connected to effect relative line gripping movement of said movable sheave under the reaction of said differential gear set and to permit said sheave normally to remain in a line releasing position in the absence of reaction in said differential gear set and means for controlling said motor to initiate drive of said driven sheave and reaction in the differential gear set necessary to effect gripping of the line by said sheaves.

2,249,186
CONVEYING TABLE FOR THE TRANSVERSE FEEDING OF MATERIAL IN SHEET FORM
Georg Spiess, Leipzig, Germany
Application September 6, 1940, Serial No. 355,658
In Germany October 1, 1938
2 Claims. (Cl. 271—52)



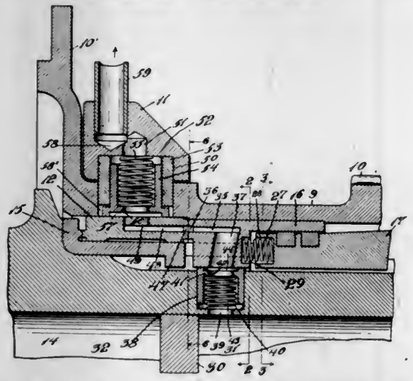
1. A conveying table for sheets of paper, paste board, card board or sheet metal and for other sheet-like material horizontally arranged between two treating devices such as folding mechanisms standing the one at an angle to the other and equipped with positively driven oblique driving rollers for conveying the sheets, an adjustable directing ruler for directing the sheets to be conveyed, and press bodies arranged directly in front of the directing ruler and loading on the oblique driving rollers, comprising in addition to the row of press bodies in front of the adjustable directing ruler, a plurality of further rows of exchangeable press bodies arranged at a greater distance from the directing ruler so that the sheets coming from the first treating device and moving on to the conveying table are deflected from this conveying direction and moved in a larger curve towards the directing ruler and remaining in movement change into the transverse direction.

2,249,187
CLUTCH
Joseph C. Steiner, St. Louis, Mo.
Application March 23, 1940, Serial No. 325,565
9 Claims. (Cl. 192—18)



1. In a clutch device provided with a driving clutch member and a shiftable driven clutch member, a rotary friction member having an annular beveled friction face, said rotary friction member being secured to said driven clutch member, a manually operated combined clutch shifter and brake including a slidable friction member having a friction face adapted to engage said annular beveled friction face and progressively advance toward the axis of said rotary friction member to shift the driven clutch member away from said driving clutch member, and means for guiding said slidable friction member in a substantially straight line, said friction face of said slidable member being at an angle to said straight line.

2,249,188
SEAL CONSTRUCTION
Robert Stevenson, Providence, R. I., assignor to Sealol Company, a corporation of Rhode Island
Application October 3, 1939, Serial No. 297,715
15 Claims. (Cl. 285—96.3)

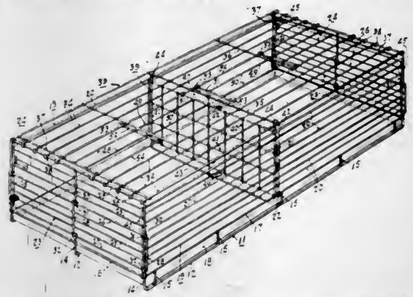


1. A seal between two relatively rotatable parts comprising a non-rotatable ring member presenting two sealing surfaces, a rotatable shaft provided with a flange for engagement with one sealing surface of the ring member, a sleeve slidable on and rotatable with the shaft having a sealing surface in engagement with the other sealing surface of the ring, said sleeve having surfaces exposed to the fluid to be sealed, which said surfaces are so proportioned as to areas and so related as to position as to provide fluid pressure on the sleeve toward the sealing surfaces to govern the effect of the fluid pressure on both of said sealing surfaces by reason of the transmission of the pressure on the sleeve to one sealing surface and thence through the ring to the other sealing surface.

2,249,189
COLLAPSIBLE CRATE
William A. Thimm, Milwaukee, Wis.
Application July 28, 1937, Serial No. 156,122
2 Claims. (Cl. 220—6)

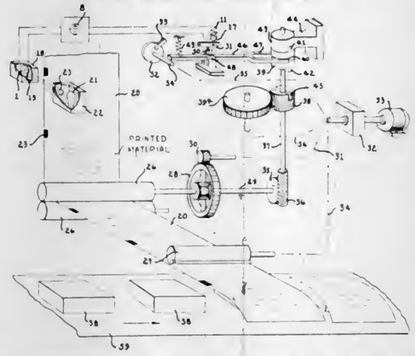
1. In a collapsible poultry crate the combination of a base comprising a grid-like tray formed of longitudinal and transverse wire bars having upturned ends, a sheet metal tray mounted in said base and forming a bottom for said crate, a top for said crate comprising longitudinal wire bars and connecting means therefor, lower and upper end panels comprising transverse bars and connecting means therefor, said upper and lower end panels being hinged together and to said top and said base to form toggle end members

for said crate extensible into erect position between said top and base members, side panels comprising longitudinal and vertical wire bars, said side panels being hinged to said base at their lower edges and being extensible between said end panels, said toggle end panels having means interengageable with said side members to thereby retain said end members in upright



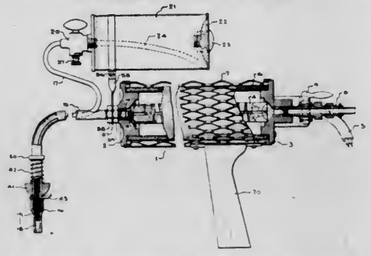
position, and a central partition comprising transverse and vertical wire bars, said partition being hinged to said top member and being moveable into upright position between said side panels to thereby retain said side panels in upright position, and a spring clip in the bottom of said crate for releasably retaining said crate in unfolded condition.

2,249,190
AUTOMATIC PAPER FEEDING MACHINE
Joseph J. Thompson, Battle Creek, Mich., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware
Application November 15, 1938, Serial No. 240,595
1 Claim. (Cl. 271—2.6)



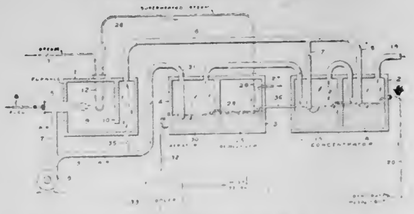
In combination, a roll adapted to feed strip material, a mechanical system for adjusting the speed of the feed roll, an electrical control system including a photo-tube and a cooperating light source, indicia on said material which reacts to the light beam and controls the activation of the photo-tube, means operating in response to the activation of the photo-tube for causing said mechanical system to adjust the speed of the feed roll, and means for preventing operation of the adjustment mechanism except when the indicia on the material is out of proper registry with the light beam, said last-mentioned means comprising a rotatable crank and a pivoted bar carrying at one end a clutch, the other end of said bar being adapted to be engaged by the rotating crank which causes the bar to move on its pivot and causes the clutch to disengage the adjusting mechanism from its driving shaft, and means for locking the clutch in its disengaging position until the photo-tube becomes activated by light falling on indicia out of proper registry, said last-mentioned means comprising a latch which is adapted to be released by a relay controlled by the photo-tube.

2,249,191
SPRAYING APPARATUS
Paul J. Timberlake, Jackson, Mich.
Application December 13, 1937, Serial No. 179,467
8 Claims. (Cl. 299—88)



5. A portable combination hot air and liquid spraying gun comprising an air heating chamber, an elongated conduit connected to said chamber at one end and having a nozzle at the other end, a tube for conducting liquid to said nozzle, said tube being housed for a portion of its length in said conduit in heat exchanging relation and having a tip portion adjacent said nozzle so located as to be in a zone of reduced pressure when hot air is passed through said conduit, a liquid container supported in unitary relation with said chamber, but exteriorly of said chamber and conduit with which said tube connects, and means to connect said chamber to a source of compressed air whereby said air, heated in said chamber, draws said liquid into said tube, heats the liquid in said tube and sprays the same from said tip through said nozzle.

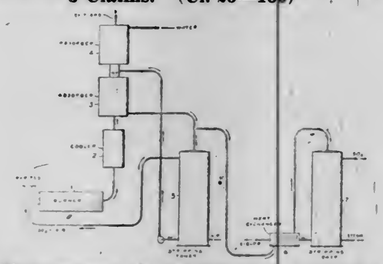
2,249,192
SULPHURIC ACID CONCENTRATION
Nicolay Titlestad, White Plains, N. Y., and Louis Nathan Allen, Jr., Nutley, N. J., assignors to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application January 31, 1939, Serial No. 253,796
In Great Britain March 18, 1938
2 Claims. (Cl. 23—307)



1. In a process of decolorizing dilute impure sulphuric acid containing organic coloring impurities in which the diulte acid is heated to concentrate and decolorize the same, the improvement which comprises, concentrating the dilute acid to about 94–96% strength by heating it to temperatures which are below the normal boiling point, and thereupon blowing superheated steam into the hot concentrated acid to raise the acid

temperature to about the normal boiling point to decolorize the acid, part of the superheated steam being condensed in and diluting the acid, and thereafter reconcentrating and cooling the hot decolorized acid by blowing cool air therethrough.

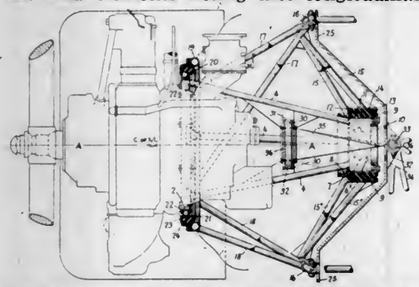
2,249,193
PROCESS FOR THE CONCENTRATION OF SULPHUR DIOXIDE
Nicolay Titlestad, White Plains, N. Y., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application February 9, 1939, Serial No. 255,410
3 Claims. (Cl. 23—180)



1. The process of producing a concentrated sulphur dioxide gas from a sulphur-bearing material which under ordinary conditions of burning gives a gas, the sulphur dioxide content of which on absorption in water produces a solution of low sulphur dioxide concentration, which comprises, burning such a sulphur-bearing material in the presence of added sulphur dioxide from the process to produce a gas having an increased sulphur dioxide content, contacting the gas with its increased sulphur dioxide content with water under absorbing conditions to remove the sulphur dioxide therefrom, withdrawing the absorbing solution from contact with the gas and dividing it into two parts, removing the sulphur dioxide from one part thereof by passing air therethrough, passing the resulting sulphur dioxide-air mixture to the burning step to provide therein the aforementioned added sulphur dioxide, passing the liquor from this air stripping step to the absorbing step, heating the remainder of the withdrawn absorbing solution, removing the sulphur dioxide therefrom in the form of a concentrated sulphur dioxide gas by blowing steam in countercurrent therethrough, discharging the liquor from the steam stripping step from the system, and adding an amount of water in the absorption step sufficient to make up for the liquor discharged from the system.

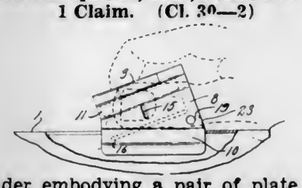
2,249,194
MOUNTING FOR AIRPLANE ENGINES
Rolland S. Trott, Denver, Colo.
Application June 10, 1938, Serial No. 212,887
4 Claims. (Cl. 248—5)

1. In an airplane engine and propeller unit mounting, movable draft connection means between the said unit and the plane, spaced remotely from the cylinder portion of the engine unit, and compound supporting means longitudinally spaced toward the engine cylinders from said draft connection means, said compound supporting means comprising resiliently mounted rotary bearing means for resiliently supporting the said unit on the plane for continual, permanent oscillatory movement about an axis and combining with said draft connection means to provide a single axis of oscillation about which said unit may oscillate in balance at all times and under all conditions, and said draft connection means being composed of a series of longitudinally extending rubber elements in the form of a hollow skeleton cylinder, the outer portions of the said elements fitting into longitudinally



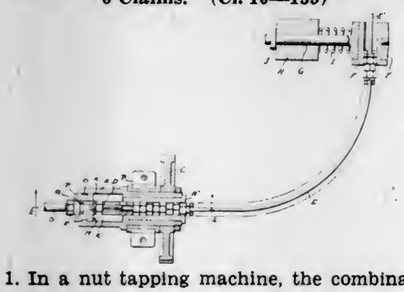
extending grooves in a member carried by said airplane, and the inner portions of the said rubber elements fitting into longitudinally extending grooves in a means carried by said engine.

2,249,195
CARTON OPENER
Philip H. Unsinger, Fremont, Ohio
Application April 12, 1939, Serial No. 267,456
1 Claim. (Cl. 30—2)



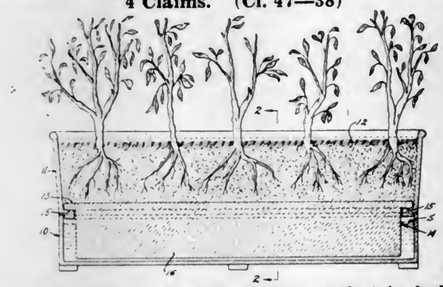
A holder embodying a pair of plate portions, a hinge connecting the plate portions to form a seat adapted to anchor a blade having a cutting edge parallel to the axis of the hinge with the blade projecting partially from the seat between the plate portions, said plate portions having leaves extending transversely of and at an angle to the plate portions to provide a plane extending laterally from the sides of the blade, said plane as extending toward the cutting edge having an acute angle to the direction of the axis of the hinge, said leaves providing a guide for limiting the extent of penetration for the blade, one of said leaves having a hinge joint adjacent the blade upon which said leaf may swing to shield the blade projecting portion.

2,249,196
NUT TAPPING MACHINE
Samuel Baxendale, Dearborn, Mich., assignor to Modern Collet & Machine Company, Ecorse (Sta. Detroit, Mich.), a corporation of Michigan
Application March 13, 1939, Serial No. 261,656
6 Claims. (Cl. 10—139)



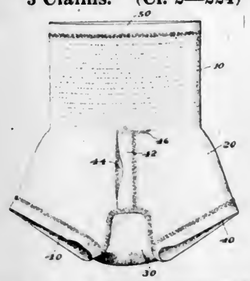
1. In a nut tapping machine, the combination with a rotary hollow spindle through which the nut blanks are fed, of a non-rotatable tap extending axially within said spindle and provided externally thereof with a large radius curved shank, a sleeve through which the end of said shank extends, said sleeve being of sufficient internal diameter for the passage of the nut blanks therethrough, and a support for said sleeve having means permitting movement thereof parallel to the axis of said tap while resisting rotation about said axis.

2,249,197
CHEMICAL AGRICULTURE SYSTEM
Ernest W. Brundin, Montebello, Calif.
Application December 13, 1938, Serial No. 245,430
4 Claims. (Cl. 47—38)



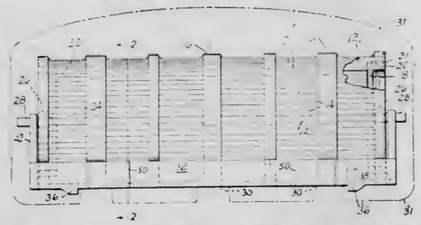
2. The method of plant culture that includes, supporting the plant with its roots in a substantially neutral medium; and feeding to said medium and thereby to the roots, at a rate substantially equal to the rate of up-take by the plant roots, a nutrient solution having a constant hydrogen ion concentration which is sufficiently in excess of the normal requirement of the plant for ideal growth to counteract continuously the alkalinizing effect of the plant on the solution.

2,249,198
GARMENT CONSTRUCTION
Horace A. Carter, Needham Heights, Mass., assignor to The William Carter Company, Needham Heights, Mass., a corporation of Massachusetts
Application August 1, 1938, Serial No. 222,369
3 Claims. (Cl. 2—224)



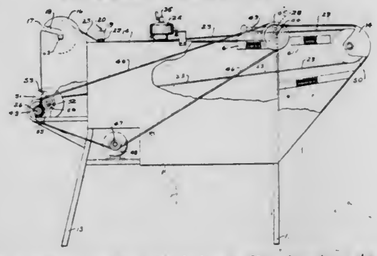
1. A pant type garment comprising a tubular seamless unitary and integral knit fabric, a continuous elastic yarn incorporated throughout and circumferentially constricting a limited section of said fabric whereby the garment presents an abdominal band of tubular constricted fabric knit directly to a lower non-constricted fabric section, and a crotch member joining a lower central edge of said fabric in front to a lower central edge of said fabric in back to form leg openings for said garment.

2,249,199
CARBURIZING APPARATUS
Raymond H. Cramer, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 23, 1939, Serial No. 296,280
13 Claims. (Cl. 263—47)



1. In apparatus of the character indicated, a heat chamber having rails, a skeleton tray slidable on the rails, and a rotary container within the tray and adapted to roll along the rails; substantially as described.

2,249,200
ADHESIVE APPLICATOR FOR PAPER TAPE
Claude M. Edwards, Indianapolis, Ind., assignor to Plant Equipment Corporation, Indianapolis, Ind., a corporation of Indiana
Application April 3, 1939, Serial No. 265,697
4 Claims. (Cl. 91—12)

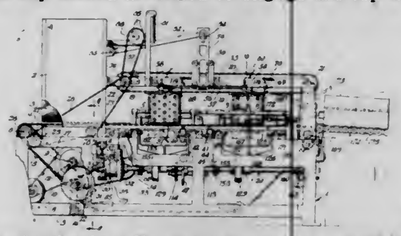


1. In a machine for applying adhesive to a tape, means supporting a roll of tape; tape winding and tensioning means; an adhesive container; tape guide means carried on the underside of the container; said container having spaced apart adhesive discharge orifices over the path of said tape and being so spaced as to leave a non-adhesive coated track along the tape; means for varying the amount of adhesive to be applied to the tape; a driven roller over which said tape is carried; a pressure roller yieldingly directed toward said driven roller to press said tape thereagainst; and said pressure roller having a peripheral face limited in width to that of said track to be out of contact with said adhesive.

2,249,201
CASE LOADER
John L. Ferguson, Joliet, Ill., assigner to J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois
Original application May 3, 1937, Serial No. 140,467. Divided and this application May 24, 1940, Serial No. 336,925
9 Claims. (Cl. 93—53)

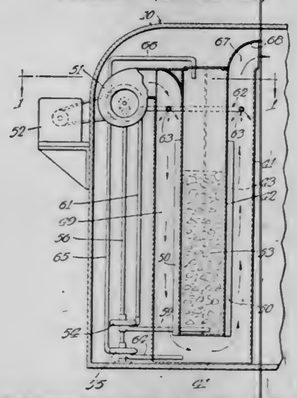
1. A case loader comprising means for moving collapsed cases to a loading station, and means for squaring out said cases at said loading station, said squaring out means comprising vacuum cup means arranged to engage the bottom wall

of said case and travel therewith toward said loading station, and a vertically movable vacuum cup means arranged to engage the top wall



of each of said collapsed cases and to move said top wall substantially vertically at said station while the bottom wall is moved horizontally to completely square out the case.

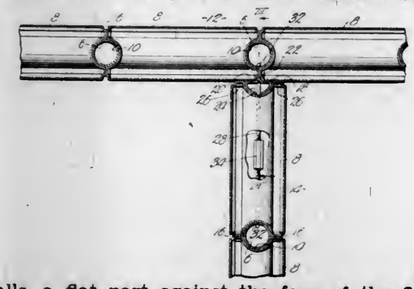
2,249,202
REFRIGERATING UNIT
Howard A. Glenn, Chicago, Ill.
Application June 14, 1939, Serial No. 279,153
1 Claim. (Cl. 261—11)



In a refrigerator unit, a cabinet having walls of heat conducting material, a receptacle for containing a cooling medium, said receptacle having walls of heat conducting material, means for mounting said receptacle within said cabinet with the walls of the two spaced apart, vertical partitions forming a U-passage around said container, a fan for circulating air through said passage for cooling the same, radiating fins on the walls of said passage, a spray head in the upper portion of said passage, and means for supplying brine from said receptacle to said spray head and for discharging brine spray onto the defining walls of said passage for preventing frosting thereof.

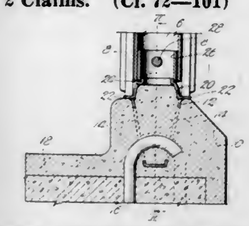
2,249,203
JOINT ANCHOR FOR PORTABLE STRUCTURES
Emile S. Guignon, Jr., Kansas City, Mo.
Application February 5, 1940, Serial No. 317,392
5 Claims. (Cl. 189—34)

1. In a portable building structure having a wall comprising a plurality of blocks arranged in edge-to-edge relation and each provided with concave edge walls presenting grooves along each edge thereof, and an offset at the lines of juncture between the edge walls and the sides thereof, and a second wall of like blocks extending laterally from the first mentioned wall, the combination of an anchor disposed at the joint between the two walls comprising a transversely arched portion nested in the grooves of the concave edge



walls, a flat part against the face of the first mentioned wall, and a longitudinal bead extending into the offsets of the adjacent blocks of the first mentioned wall.

2,249,204
BASE ANCHOR
Emile S. Guignon, Jr., Kansas City, Mo.
Application February 5, 1940, Serial No. 317,393
2 Claims. (Cl. 72—101)

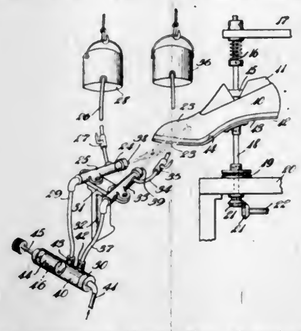


1. In a building structure of the character described having a plurality of vertical, spaced apart tubes and blocks provided with grooves along each edge thereof for receiving the tubes, a base anchor assembly comprising a sill; a member extending longitudinally along the sill in engagement with the lower edges of the overlying blocks and secured to the said vertical tubes; and a depending part on the member embedded in the sill, said depending part being a U-shaped channel provided with openings in the side walls thereof.

2,249,205
METHOD AND APPARATUS FOR APPLYING TEMPORARY PROTECTIVE COATINGS TO ARTICLES
Merrill E. Hansen, Akron, Ohio, assignor to American Anode, Inc., Akron, Ohio, a corporation of Delaware
Application May 12, 1934, Serial No. 725,306
11 Claims. (Cl. 91—45)

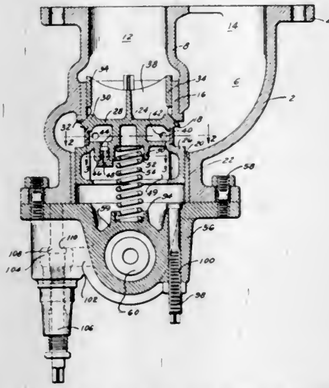
1. In an apparatus for applying a readily removable coating of latex to an article such as a shoe part, means for producing a cloud of atomized fluid coagulant and means initially operable only after initial production of the cloud for projecting through said cloud and onto said article latex in finely divided form.

7. The method of applying a readily strippable temporary protective coating of latex rubber to an object having an easily damaged surface, which comprises directing a latex sprayer toward the object without starting the latex spray, spraying latex coagulant to produce a cloud of coagulant between the latex sprayer and the object, promptly thereafter starting the latex spray and spraying latex through the coagulant cloud and onto the object until a desired coating has been produced thereon, then stopping the latex



spray and promptly thereafter stopping the coagulant spray, whereby no latex which has not been first treated with coagulant is deposited upon the object to be coated.

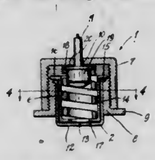
2,249,206
RELIEF VALVE
William E. Hubbard, Tulsa, Okla., assignor to Hydraulic Pumper Incorporated, Tulsa, Okla., a corporation of Oklahoma
Application January 24, 1939, Serial No. 252,686
2 Claims. (Cl. 137—53)



1. In a relief valve for use with a fluid pressure pump comprising a housing having a bore forming an inlet and an outlet, a valve head controlling communication between the inlet and outlet, said valve head provided with a plurality of partitions forming a plurality of chambers in communication with the inlet, means provided in each of the partitions allowing passage of fluid between the chambers, means providing communication between one of the chambers and one side of the valve head, and means for relieving fluid pressure on said one side of the valve head.

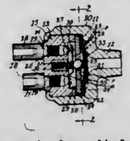
2,249,207
TIRE PRESSURE INDICATOR
George F. Hutchings, St. Louis, Mo.
Application May 4, 1940, Serial No. 333,271
5 Claims. (Cl. 200—58)

1. In a device for indicating tire pressure, an actuator unit attachable to a tire rim comprising a housing, a cylindrical plunger closed at one end, slidably mounted in the housing and arranged and proportioned to contact a tire tube mounted on the rim, a spring having a lower portion positioned within the plunger and engaging the closed end thereof and having its inner end mechani-



cally engaging the top of the housing, an insulated contact member carried by the plunger, in engagement with the spring, and meeting an appropriate surface in the interior of the housing when the plunger is moved to an extreme position to make electrical contact therewith, and a conductor electrically connected to said spring.

2,249,208
FLUID OPERATED SWITCH
John C. D. Jensen, Rochester, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 1, 1937, Serial No. 177,576
19 Claims. (Cl. 200—83)

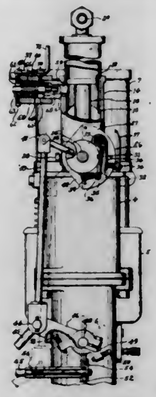


1. In a fluid operated switch, the combination with a hollow metallic casing having one end adapted for connection to a hydraulic braking system, an insulating member inserted in and closing the other end of said casing and including a pair of contact members, a circular metallic cap normally concave toward said contact members and formed with a cylindrical flange at its outer edge, a dielectric circular cap member also formed with a cylindrical flange at its outer edge and covering said cap and having its flange between said metallic cap and said casing, and means for maintaining said insulating member, metallic cap and dielectric member in fluid tight relationship within said casing.

2,249,209
ENGINE STARTING APPARATUS
Thomas D. Joeck, Belmar, N. J., assignor to Bendix Stromberg Carburetor Company, South Bend, Ind., a corporation of Illinois
Original application July 30, 1932, Serial No. 626,520. Divided and this application March 25, 1935, Serial No. 12,890
24 Claims. (Cl. 123—119)

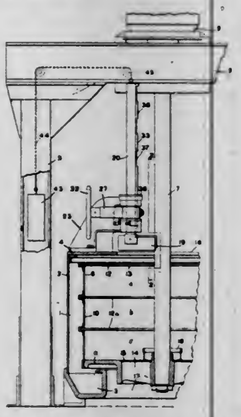
1. In an engine starting apparatus of the character described, an engine carburetor having a throttle valve, a stop member provided on said carburetor and cooperating with said throttle valve for determining the normal idling position of said throttle valve, and an additional stop member provided on said carburetor, said additional stop member being movable in response to the temperature of the engine into overlying position with respect to said first stop member for changing the idling position of said throttle

valve, whereby the idling position of said throttle



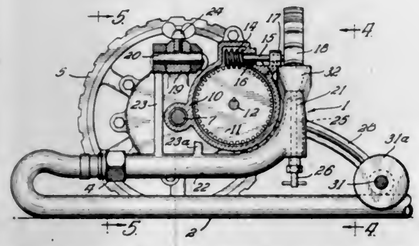
valve is changed when the engine is running cold so as to provide a greater throttle valve opening.

2,249,210
SAFETY DEVICE FOR UNLOADING PLOWS FOR EXTRACTORS
Oscar W. Johnson, Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application May 5, 1938, Serial No. 206,144
5 Claims. (Cl. 210—70)



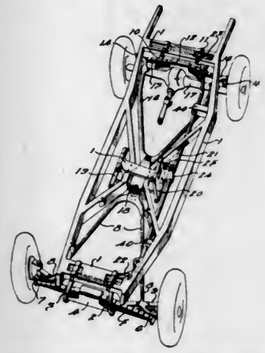
5. A centrifugal extractor, comprising a stationary curb, a basket rotatable therein and provided with a series of rings defining separate collecting zones along the basket wall, a bearing member mounted on the curb, a shaft member slidable and rotatable in said bearing member and carrying an unloading device movable transversely of the basket by shaft rotation, interlocking connections between said shaft and bearing members arranged to permit relative sliding movement but prevent relative rotative movement therebetween, said connections including a longitudinal key on one of said members, the other member having a collar provided with a recess in which said key slides, said key at intervals having recesses to permit shaft rotation when the unloading device is opposite any collecting zone or outside of the basket, and said key at its upper end having a lateral extension which prevents advance of the collar to a position beyond said extension and thereby limits downward motion of said unloading device.

2,249,211
AUTOMATIC SPRINKLER
Oscar G. Johnson, Michigan City, Ind.
Application December 30, 1938, Serial No. 248,544
1 Claim. (Cl. 299—49)



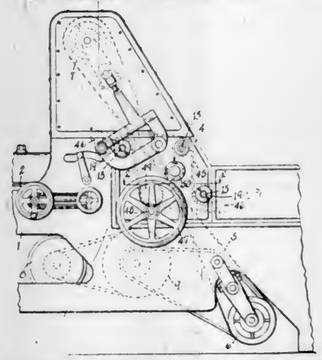
In an apparatus of the character described, the combination of a sprinkler vehicle having spray means and traction wheels automatically operable thereby, a hose connection for delivering water to said means, said connection being below and rearwardly of the center of said wheels and a guide wheel forwardly of the traction wheels having sheaves for following the course of a hose, the latter being doubled back and connected to said connection, thereby allowing the guide wheel freedom to follow the hose uninfluenced to any substantial extent by the pull of the hose on the vehicle.

2,249,212
VEHICLE BODY SUSPENSION MEANS
Joachim Kolbe, Hanover, Germany
Application September 30, 1938, Serial No. 232,660
10 Claims. (Cl. 280—124)



1. In a motor vehicle having front and rear wheel supporting means, a superstructure, connecting means between the wheel supporting means and superstructure, forwardly and rearwardly extending radius rods associated with the front and rear wheel supporting means, and connecting means between said radius rods and the superstructure cooperating with the first named connecting means to enable the superstructure to assume an inclined or banked position accompanied by a lowering of the center of gravity of the superstructure relative to the wheel supporting means under the influence of lateral forces.

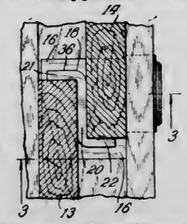
2,249,213
SLICING MACHINE
Kurt W. Kuban, Battle Creek, Mich., assignor, by mesne assignments, to The Central National Bank at Battle Creek, Battle Creek, Mich., a national-banking corporation of the United States
Application December 29, 1938, Serial No. 248,169
36 Claims. (Cl. 146—88)



1. In a slicing machine, the combination of a plurality of crossed band saws, elongated cylindrical driving and supporting pulleys for said band saws and with which said saws are associated to permit the saws being moved axially of the pulleys, opposed pairs of saw guide units disposed above and below the crossing zone of the saws and each comprising saw guide members slotted to receive the saws, a splined main shaft and a reversely threaded auxiliary shaft disposed in parallel relation, said guide members having shouldered openings receiving said main shaft and end slots receiving said auxiliary shaft, supporting brackets for said main shaft swingably mounted on the auxiliary shaft, means for supporting the swinging ends of said brackets in operative position, a cross bar on said brackets with which said guide members have slotted engagement disposed in parallel relation to said shafts, the central guide member being fixed to the cross bar, externally threaded sleeves having splined engagement with said main shaft and having flanges at one end disposed within the openings of said guide members, nut members arranged within said guide member openings to coact with the threaded sleeves of adjacent guide members, said nut members coacting with said sleeve shoulders to rotatably connect said sleeves to said guide members, tension members connected to the outer of the unit guide members and having threaded engagement with said reversely threaded shaft, gear connections for said auxiliary shafts and the main shaft of the units, means for longitudinally adjusting one guide unit relative to the other, and driving means for the auxiliary shafts of the several units.

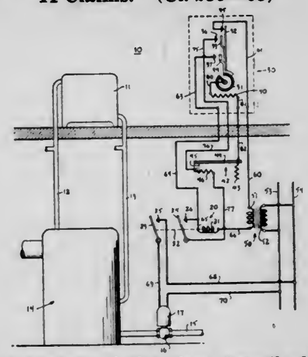
2,249,214
SLIDING DOOR LOCK
George B. Kurtzon, Chicago, Ill., assignor to Garden City Plating & Mfg. Co., Inc., a corporation of Illinois
Application August 3, 1940, Serial No. 350,335
4 Claims. (Cl. 70—100)

1. A lock adapted for use in combination with an inner and an outer sliding door to lock the same comprising a latch bolt of generally Z-shape having a central portion and two end portions bent oppositely at right angles, said latch bolt having a cam slot, a rotatable member and an eccentric pin at one end thereof in operative relation with said cam slot, said central portion of said Z-shape latch bolt being adapted to extend between overlapped ends of said sliding



doors and said bent end portions of said Z-shape latch bolt being adapted to engage the adjacent free ends of the doors whereby relative sliding movement between said doors is prevented.

2,249,215
TEMPERATURE CONTROL SYSTEM
Frederick E. Lange, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 7, 1938, Serial No. 233,797
11 Claims. (Cl. 236—68)

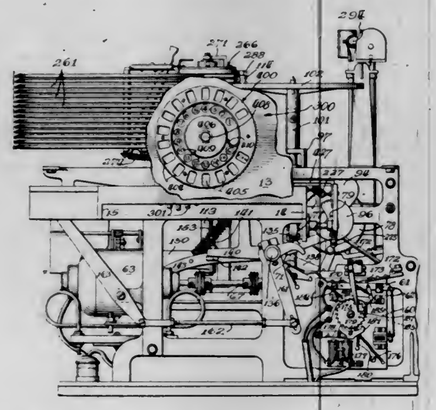


6. In a system of the class described, a space heating means, thermostatic means responsive to the temperature of the space being heated in control of said space heating means and arranged to increase the heating effect of the heating means when the temperature at said thermostatic means drops to one predetermined value and to decrease the heating effect of the heating means in response to a rise in temperature at said thermostatic means to a higher predetermined value, heating means adjacent said thermostatic means for raising the temperature thereof above the space temperature, means responsive to a rise in temperature in the space to a temperature between said first and second values to energize said heating means adjacent the thermostatic means, and means responsive to the rate in rise in temperature in the space by the space heating means for controlling the heating effect of the heating means adjacent the thermostatic means.

2,249,216
AUTOMATIC PHONOGRAPH
Gerhard Lessman, Chicago, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application December 23, 1937, Serial No. 181,258
7 Claims. (Cl. 274—10)

4. In an automatic phonograph adapted to

play a plurality of records successively and comprising a selector member movable through a plurality of positions and adapted to be arrested in any of said positions and to control in each of said positions the playing of a record corresponding to said position, a manually operable selector adapted to arrest said selector member in a successive number of positions selected in any desired order to effect the playing of records in that order, comprising a series of displaceable members, a dial displaceable to various degrees, means operatively connecting said dial to said displaceable members, means disconnecting said dial from said displaceable means with a single exception, means actuated by the dial for moving said disconnecting means step by step to connect



the dial operatively to successive displaceable members to effect the displacement of said members to various degrees depending upon the displacements of said dial, a series of individual cam members each adapted to cooperate with one of said displaceable members and to be arrested thereby in a position determined by the displacement of the cooperating displaceable member, means for operatively connecting each of said cam members in order with said selector member, whereby said selector member is arrested in successive operations at various positions depending upon the degree of displacement of said displaceable members to effect the playing of records corresponding to the degrees of displacement of the successive members of the series of displaceable members.

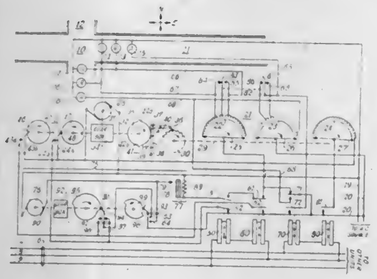
2,249,217

TRAFFIC SIGNALING SYSTEM

Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application October 31, 1938, Serial No. 237,898
10 Claims. (Cl. 177—337)

1. A traffic signaling switching unit adapted to be controlled by way of a line circuit connected thereto and operative to energize a plurality of traffic signaling devices in a definite cyclic order, said unit comprising, in combination, a switch including contacts, a wiper associated with said contacts and motor means for driving said wiper over said contacts, means including circuit connections controlled by the movement of said wiper over said contacts for energizing said signaling devices in said definite cyclic order, an operating circuit for said motor means, a pair of polarized relays alternately operative in response to voltage pulses of alternate opposite polarity impressed on said line circuit, means including said relays for repeatedly completing said operating circuit, thereby to cause said motor means to drive said wiper over said



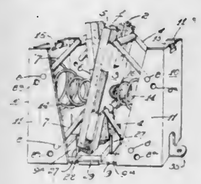
contacts, normally inactive auxiliary control means also operative repeatedly to complete said operating circuit, and means responsive to a sustained deenergized condition of both of said relays for initiating the operation of said auxiliary control means.

2,249,218

KNIFE SHARPENER

Alexis E. Meade and Margaret L. Meade, Lakewood, Ohio

Application March 8, 1939, Serial No. 260,581
10 Claims. (Cl. 51—214)



1. In a knife sharpener which includes a pair of carriers, abrading members on said carriers disposed respectively with their working faces in planes which intersect at an acute angle, a supporting base and a pair of parallel swinging links connecting each carrier to said base, the links of each pair being of equal length, whereby the abrading means on each carrier may be shifted transversely of its working face but maintained with said face always parallel to its initial position.

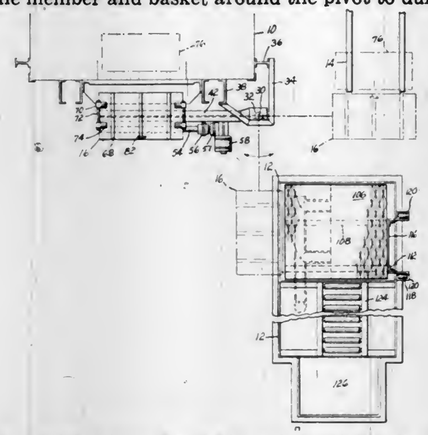
2,249,219

APPARATUS FOR HEAT TREATING AND QUENCHING

John M. Nairn, East Orange, and William G. Jackson, Jersey City, N. J., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 23, 1939, Serial No. 296,274
15 Claims. (Cl. 266—4)

1. In apparatus of the character indicated, a furnace, an article-containing basket adapted to travel through the furnace, a quenching tank, a crane to carry the basket from the furnace into proximity to the tank, a pivoted member on the crane, means to secure the basket to the pivoted member, and means on the crane for tilting the member and basket around the pivot to dump



the articles into the tank; substantially as described.

2,249,220

BRAKE

George K. McCann, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application April 20, 1940, Serial No. 330,645
2 Claims. (Cl. 188—196)

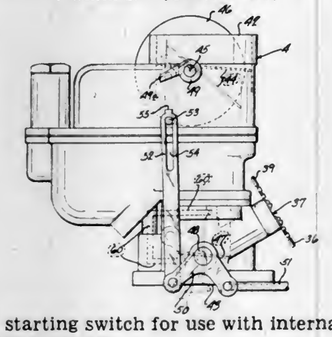
2. Brake-operating mechanism comprising an actuating member connected at its ends to operate brakes, a channel-section member embracing the central portion of the actuating member, a threaded part passing through the walls of said channel-section member, and nuts threaded on said part for adjustably securing said walls to said part and springing said walls toward each other to clamp the actuating member between them.

2,249,221

STARTER SWITCH

James T. W. Moseley, Webster Groves, and George R. Ericson, Kirkwood, Mo.

Application October 24, 1939, Serial No. 301,018
7 Claims. (Cl. 200—59)



1. A starting switch for use with internal com-

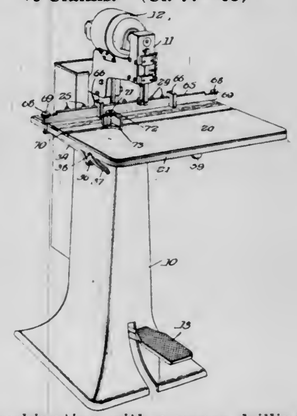
bustion engines, comprising a plunger, a cam, a key adapted to be inserted into an operative position between said plunger and said cam whereby the cam actuation of said plunger can be effected, and a pressure responsive device pivotally secured to said key for withdrawing said key from said position.

2,249,222

TABLE CONSTRUCTION FOR PAPER DRILLS

Henry C. Nygren, Chicago, Ill., assignor to Nygren-Dahly Company, Chicago, Ill., a corporation of Illinois

Application January 23, 1939, Serial No. 252,329
6 Claims. (Cl. 77—63)



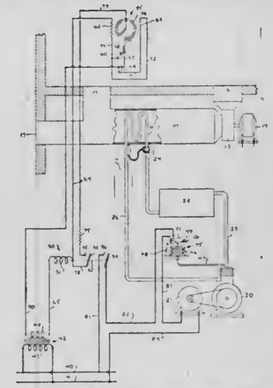
1. In combination with a paper drilling mechanism of a movable table, spring mechanism for moving the table in one direction, movable stops carried by the said table, a rod carried by said table, a plurality of movable stops thereon, a latch carried by the said frame, a rocking bar in engagement with the said latch, and manual operable means to actuate the rocking bar whereby the said latch is released from said movable stops.

2,249,223

TEMPERATURE CONTROL SYSTEM

Harold T. Olson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

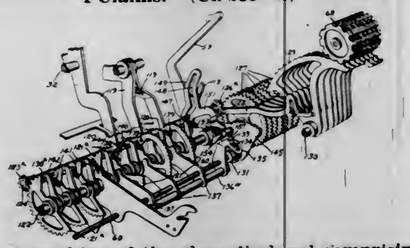
Application October 26, 1938, Serial No. 237,041
8 Claims. (Cl. 236—68)



1. In a system of the class described, a space

cooling means, thermostatic means in control of the space cooling means and having two pairs of contacts, said thermostatic means being arranged to increase the cooling effect of the cooling means when the temperature to which the thermostatic means is subjected rises to a predetermined value sufficient to cause engagement of a predetermined one of said pairs of contacts and to decrease the cooling effect of the cooling means only after the temperature to which the thermostatic means is subjected drops to a value sufficiently lower than the first mentioned predetermined value to cause a change in the circuit controlling position of the other pair of contacts, and means responsive to a drop in temperature in the space sufficient to cause separation of said predetermined one of said pairs of contacts for causing the temperature of the thermostatic means to drop more rapidly than the space temperature until the cooling effect of the cooling means is decreased whereby the cooling effect of the cooling means is decreased sooner than if the thermostatic means responded solely to changes in the space temperature.

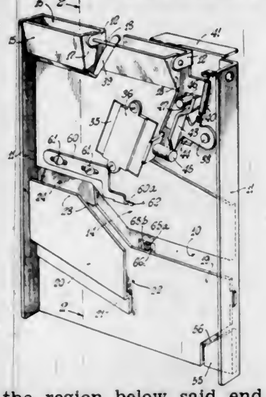
2,249,224
CASH REGISTER
Walter J. Pasinski, Howell, Mich., assignor to Burroughs Addjng Machine Company, Detroit, Mich., a corporation of Michigan
Application November 27, 1939, Serial No. 306,340
4 Claims. (Cl. 235—2)



1. A machine of the class disclosed comprising a plurality of item-entering amount keys, a registering mechanism, printing mechanism including a plurality of type-carrying members, certain lower orders of said type-carrying members forming "item" type-carrying members having their "O's" normally positioned at a printing line and having operative connections with said amount keys for indexing, certain higher orders of said type-carrying members comprising "extra" type-carrying members for total taking which normally have blank spaces at the printing line, and total-taking control means operable, when conditioned for total taking, to disable the connections between said amount keys and said "item" type-carrying members and to place all the type-carrying members under the control of the registering mechanism for total taking, said total-taking control means including mechanism operating to move said "extra" type-carrying members one step before the "item" type-carrying members are moved to thereby bring all the type wheels into correct relative relation for total taking.

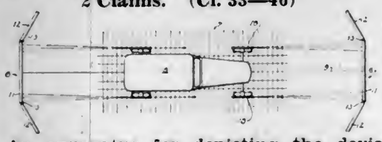
2,249,225
COIN CHUTE
William Patzer and Walter A. Tratsch, Chicago, Ill.
Application April 7, 1939, Serial No. 266,583
3 Claims. (Cl. 194—100)

1. In a coin chute, means providing a descending runway, means for maintaining a constant magnetic field across the lower end portion of said runway, means defining adjacent acceptance and reject openings in the region below said end of the runway and spaced apart in the direction of movement of coins down said runway, rebound testing means arranged at one side of one of said openings, constituting the reject opening and remote from the other said opening in the direction of movement of coins away from said end of the runway, and deflecting means



arranged in the region below said end of the runway out of the path of legitimate U. S. five-cent coins and above said acceptance and reject openings and rebound testing means for engagement by legitimate U. S. ten and twenty-five cent pieces in a manner to be deflected into said acceptance opening, the arrangement being such that legitimate U. S. five-cent pieces pass over said deflecting means and are deflected by said rebound testing means over said reject opening into said acceptance opening.

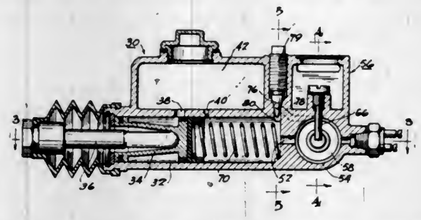
2,249,226
WHEEL ALIGNING DEVICE
Albert P. Peters, San Francisco, Calif.
Original application June 10, 1939, Serial No. 278,507. Divided and this application May 22, 1941, Serial No. 394,583
2 Claims. (Cl. 33—46)



1. An apparatus for depicting the deviation from predetermined standard turning characteristics of the turning characteristics of the front wheel of a vehicle including means for projecting a beam of light from said wheel in fixed relation to the plane thereof and a screen having indicia thereon which coincide with the pattern formed on said screen when and only when said screen intercepts said beam of light at a predetermined distance from said wheel and said wheel has said predetermined standard turning characteristics.

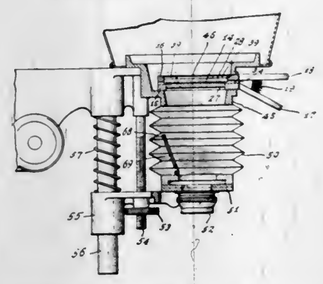
2,249,227
BRAKE
Carl Press, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application February 27, 1937, Serial No. 128,104
3 Claims. (Cl. 60—54.5)

2. A hydraulic brake system comprising a plurality of wheel brakes, motor cylinders for each of said wheel brakes for applying them, separated conduits for conveying fluid pressure to said motor cylinders, a master cylinder for creating pressure in the fluid used, connections by which fluid pressure is transferred from said master cylinder to said separate conduits, means in said connections comprising pistons and a main bore



in which the pistons move for separating the fluid in said master cylinder from the fluid in said conduits, a reservoir for supplying fluid to said master cylinder and at times to said separated conduits, and means for limiting the return position of said pistons comprising a pin positioned in a bore leading from the reservoir to the main bore.

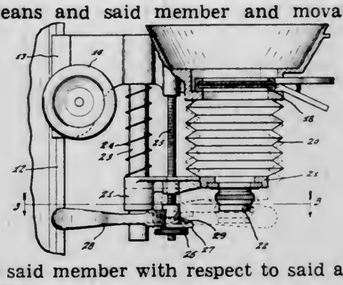
2,249,228
PHOTOGRAPHIC NEGATIVE CARRIER
Elwood C. Rogers, Indianapolis, Ind.
Application December 21, 1938, Serial No. 246,956
14 Claims. (Cl. 88—24)



1. A photographic negative carrier, comprising two plates hinged together to grip a negative between them, the hinge between said two plates having widened enclosed hinge-pin holes to permit the two plates movement toward and from each other transversely of the hinge axis but to limit that movement, spring means normally tending to cause such movement of the plates from each other, and means on said carrier adapted to engage a portion of an enlarger and overcome such tendency when said negative carrier is in position in such enlarger.

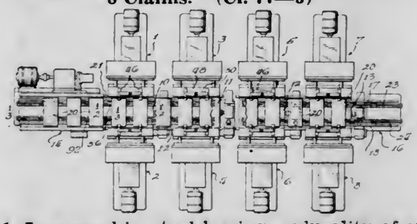
2,249,229
FOCUS ADJUSTER FOR ENLARGERS
Elwood C. Rogers, Indianapolis, Ind.
Application February 17, 1940, Serial No. 319,420
12 Claims. (Cl. 88—24)

1. A focus adjuster for photographic enlargers, comprising, in combination with the enlarger casing, an adjustable member movable with respect to said casing and controlling the position of the objective lens of the enlarger relatively to the casing, adjusting means for said member, and a cam member interposed between said adjusting means and said member and movable to



adjust said member with respect to said adjusting means.

2,249,230
WORK LOCATING MECHANISM FOR MACHINE TOOLS
Robert A. Schafer, Richmond, Ind., assignor to The National Automatic Tool Company, Richmond, Ind., a corporation of Indiana
Application July 26, 1939, Serial No. 286,555
8 Claims. (Cl. 77—3)



1. In a machine tool having a plurality of stations at which machining operations are to be performed upon work pieces and means at said stations for locating and clamping said work pieces in position, indexing means operable to advance work pieces successively to different stations, said means comprising a member having a to and fro movement, a pawl carrier movably supported on said member, resilient means to hold said pawl carrier in one position with respect to said member, a pawl pivotally secured to said pawl carrier and engageable with a work piece, and an adjustable stop secured adjacent a work station and engageable with said pawl carrier to limit movement of the latter while permitting greater movement of said member.

2,249,231
TRIGGER MECHANISM
John B. Smith, Oakland, Calif.
Application April 19, 1937, Serial No. 137,783
10 Claims. (Cl. 42—69)

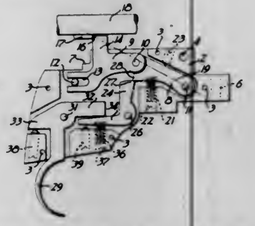


1. A trigger mechanism comprising an arm having a cocked position, a pivoted release member engaging said arm for holding the latter in its cocked position, a pivotally mounted trigger having an arm engaging the release member, a spring pressing against said trigger arm for urging it away from the release member, and a second spring interposed between said trigger arm and release member for urging them apart.

4. A trigger mechanism for releasing a cocked

element, comprising a toggle for holding the element in cocked position and collapsible to release said element, a pivotally mounted pawl engageable with the toggle to support it against collapse, and a trigger separate from and engageable with the pawl for rotating the latter out of supporting engagement to permit collapse of the toggle for releasing said element.

2,249,232
TRIGGER MECHANISM
John B. Smith, Oakland, Calif.
Application February 8, 1939, Serial No. 255,302
13 Claims. (Cl. 42—69)

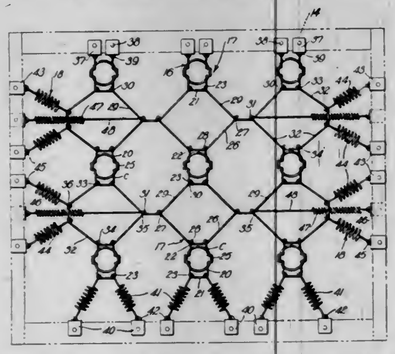


1. A trigger mechanism for releasing a cocked element, comprising a sear engageable with the element, a toggle connected with the sear for holding the element cocked and having its elbow axis off dead center in the cocked position, a trigger for shifting the elbow axis over dead center to collapse the toggle, and means for adjusting the elbow axis relative to dead center.

7. A trigger mechanism for releasing a cocked element, comprising a tension sear for releasably holding the element, a toggle for holding the sear and collapsible to release it, and trigger means for controlling the collapsing movement of said toggle.

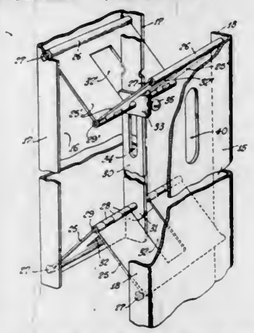
13. A trigger mechanism for releasing a cocked element, comprising sear means for releasably holding said element and including a pivotally mounted arm, and a pivotally mounted trigger controlled member engageable with said arm and turnable out of engagement therewith, the engaging surface of said member being curved on a radius from the pivot axis of said member.

2,249,233
SPRING STRUCTURE
Orrian A. Smith, Los Angeles, Calif.
Application April 27, 1938, Serial No. 204,529
6 Claims. (Cl. 155—179)



6. In a spring assembly having a plurality of rows of spaced springs with clips on corresponding ends of the springs, a link assembly connecting the several springs comprising a plurality of inner links occupying positions between opposite sides of the assembly and side links at opposite sides of the assembly, each link including an intermediate portion, arms diverging from the opposite ends of said portion, and eyes at opposite ends of each arm, said links facing in the same direction so that their arms are in diagonal relation and their intermediate portions are substantially parallel, one eye of each arm of an inner link being linked to a clip and one eye of each arm of an inner link being linked with an eye of an arm of another link, one arm of each side link having one of its eyes linked with an eye of one of the arms of an inner link and having its other eye linked with a clip, the other arms of the side links each having an eye linked with a clip, and extensions on said other arms having eyes linked with adjacent clips.

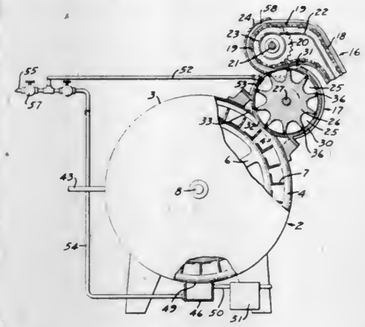
2,249,234
VENDING MACHINE COMPARTMENT MEANS
Joseph W. Srodulski, Chicago, Ill.
Application November 30, 1938, Serial No. 243,235
8 Claims. (Cl. 312—42)



1. An adjustable structural device including a stationary mounting plate and a movable plate and a plurality of hinge members attaching said movable plate to the mounting plate for movement toward and away from the latter in parallel planar relation therewith, and connecting means disposed between said plates and interconnecting said hinge members for joint hinge action, together with means coacting with a particular one of said hinge members and said connecting means to limit the movement of said particular hinge member for the purpose of limiting the movement of the movable plate with respect to the stationary mounting plate, and locking means coacting with said particular hinge member and said connecting means for preventing relative movement of the former with the latter whereby to lock said movable plate in a predetermined relation of adjustment with respect to the stationary mounting plate.

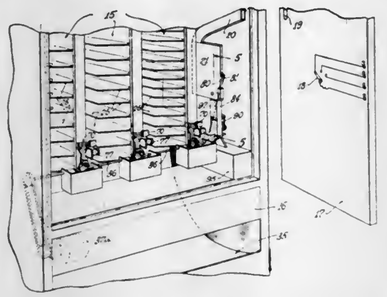
2,249,235
FEED VALVE FOR COOKERS
Albert R. Thompson, Los Gatos, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application November 7, 1938, Serial No. 239,233
20 Claims. (Cl. 126—272)

1. In combination with a cooking chamber adapted to contain a body of liquid in its lower portion and provided with means for maintaining the interior of said cooking chamber at an elevated temperature and pressure, said chamber having an inlet opening above the level of liquid therein: a valve associated with said inlet opening for feeding containers into said chamber, said valve comprising a valve casing having a rotary pocketed feed valve member therein; means for supplying liquid to the pockets of said



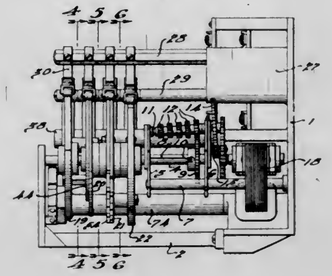
valve member comprising a conduit leading from said chamber below the level of the liquid therein and communicating with said valve casing for conducting liquid from said chamber to the pockets of said valve member to provide a hydraulic cushion in said pockets, and means for regulating the quantity of liquid so supplied to said pockets.

2,249,236
VENDING MACHINE
Walter A. Tratsch, Chicago, Ill.
Application January 13, 1939, Serial No. 250,678
10 Claims. (Cl. 194—10)



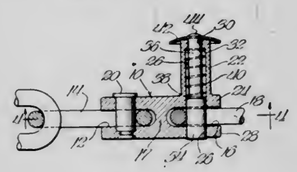
1. In a vending machine in combination, a plurality of vending mechanisms, each operable to successively vend articles, a motor, electrically operated clutch means for each vending mechanism and arranged to drivingly connect the same with said motor, coin-controlled switch means comprising a coin operated switch and a relay switch operable thereby connected in circuit with the electrical operating means of said clutch means and operable to effect operation of any of said clutch means, reset means operatively associated with said clutch means and coacting with the latter for operating said coin-controlled relay switch means to deenergize the electrical operating means of said clutch means when the corresponding vending mechanism has been operated to vend a predetermined number of articles.

2,249,237
ELECTRIC CIRCUIT CONTROLLER
Rolland S. Fulton, Detroit, Mich., assignor to National Time & Signal Corporation, Detroit, Mich., a corporation of Michigan
Application November 29, 1939, Serial No. 306,692
8 Claims. (Cl. 200—38)



1. In an electric circuit controller having a cam shaft, a series of cams mounted to rotate with the cam shaft, a series of rocker arms pivotally mounted adjacent the cams, a roller supported in the outer end of each rocker arm and riding on one of the cams, each cam being provided with high and low portions and a contact arm on each rocker arm movable into and out of engagement with a contact, the arrangement providing that one of the contact arms is movable into engagement with its contact when the roller drops onto the low portion of its cam and another of the contact arms is movable out of engagement with its contact when the roller drops to the low portion of its cam, the two contact arms being connected into a single series circuit whereby the time interval of the dropping of one roller from its high point to the low point offsets the time interval required for the other roller to drop from its high point to its low point on the cam.

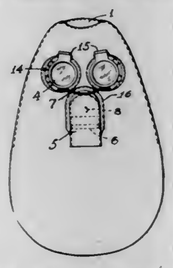
2,249,238
MECHANICAL CHAIN LINK
John L. Gilmore, Kansas City, Mo.
Application October 3, 1940, Serial No. 359,563
1 Claim. (Cl. 59—93)



A mechanical link for a chain comprising a body substantially equal in length to a link in said chain having a width and thickness less than the width of a link in said chain and having slots extending inwardly from each end separated by a wall having a thickness not greater than the thickness of a chain link, the slot at one end having a rivet extending from wall to wall and permanently secured thereto and a chain link permanently secured thereby in free moving engagement with the body, an elongated cylindrical projection smaller in diameter than the width of the body positioned at the other end integral with the body at one side thereof having a cylindrical passage transverse to the slot therein extending through both walls of

said slot, a chain link in the slot, a passage of smaller diameter at the outside end of said projection, a longitudinally movable shaft having a diameter at one end substantially equal to the diameter of said first cylindrical passage and smaller than the aperture in the chain link, and having at the other end a diameter substantially equal to the diameter of the smaller passage forming a shoulder therebetween, a helical coiled spring around the smaller diameter abutting said shoulder at one end and the bottom of said first passage at the other end and a knob overlying said smaller passage and the circumference of said projection secured to the shaft outside said projection to cover and protect said last passage from infiltration of dirt and grease and to maintain the shaft in position against the expansive force of the spring whereby said shaft is normally urged to a locked position in the passage in both walls of the slot with the ends thereof substantially flush with the projection end and the outside wall of the body respectively for releasably holding the chain link in said second slot.

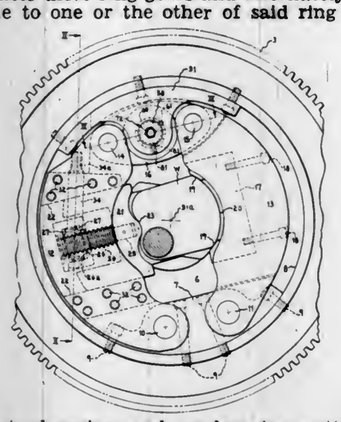
2,249,239
WELDING HOOD
George Walter Goldsmith, Compton, Calif.
Application November 22, 1938, Serial No. 241,755
3 Claims. (Cl. 2—8)



1. A welder's helmet comprising a crown adapted to fit the top of the head, a panel attached to the front and sides of said crown, the ends of said panel extending to the rear of said helmet and overlapping to close the rear of said helmet, a light port in the front of said panel fitted with a lens, straps attached to opposite sides of said lens and passing through keepers on opposite sides of the helmet to the rear of said helmet, an adjustable fastener attached to the ends of straps at the rear of the helmet, an air port in the front of said helmet beneath said light port, said air port having a seam along its sides thereby being adapted to permit free influx and efflux of air to the nose without permitting exhaled air to contact the inner surface of said lens.

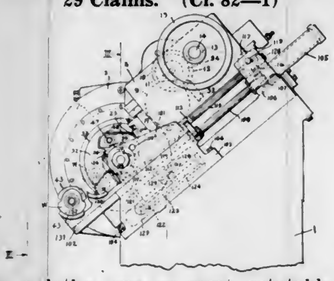
2,249,240
POWER CHUCKING DEVICE
William F. Groene and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application February 9, 1940, Serial No. 318,184
21 Claims. (Cl. 82—40)

1. In a double center drive lathe, a frame, a pair of center drive ring gears rotatably mounted in said frame, a chucking device in each of said ring gears, operatable mechanism in each of said chucking devices effective for clamping or unclamping a work piece in said lathe, a source of power, and means operable between said center drive ring gears and alternately connectable to one or the other of said ring gears



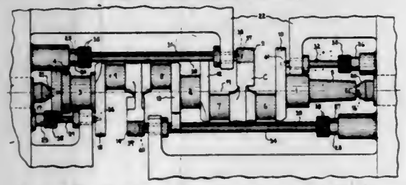
to effect clamping and unclamping action in said chucking devices.

2,249,241
WORK HANDLING MECHANISM
William F. Groene and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application June 26, 1940, Serial No. 342,554
29 Claims. (Cl. 82—1)



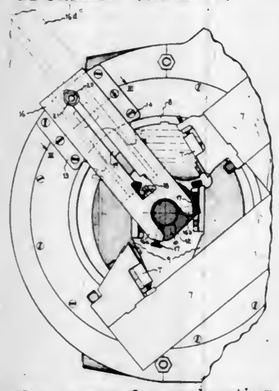
1. In a lathe, one or more rotatable center drive chucks, means for rotating said chucks, means for stopping said chucks, cutting tools associated with said chucks, tailstocks associated with said chucks, having centers and loading and unloading troughs incorporated therein, and means for moving said tailstocks relative to said chucks for alternately presenting said centers and said troughs in alignment with said chucks.

2,249,242
METHOD OF TREATING CRANKSHAFTS
Willard L. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application January 2, 1940, Serial No. 312,065
7 Claims. (Cl. 82—1)



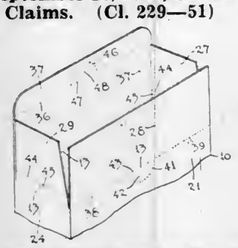
1. A method of machining a crankshaft comprising the steps of: (*a*) drilling center holes in the ends of the crankshaft, (*b*) mounting said crankshaft on centers in said center holes and machining locating areas on the sides of the webs of said crankshaft by machining pressure exerted parallel with the axis of rotation of said crankshaft about said centers, (*c*) and utilizing said locating areas on the sides of the webs of said crankshafts for chucking in machining the bearing portions of said crankshaft.

2,249,243
CHUCKING MECHANISM
Willard L. Groene, Cincinnati, Ohio, assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio, a corportion of Delaware
Application February 15, 1940, Serial No. 319,051
14 Claims. (Cl. 82—9)



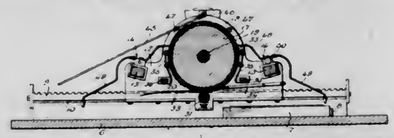
1. In a lathe, means for prelocating a rough irregular work piece on the axis of rotation of said lathe, means engaging said work piece for initially supporting said work piece rigidly when positioned by said prelocating means, and chucking mechanism adapted to grip said prelocated work piece by rough irregular surfaces thereon while being held rigidly by said initial supporting means, and means for withdrawing said initial supporting means from engagement with the work after said chucking mechanism has been fully engaged on said work piece.

2,249,244
CARTON
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application September 12, 1938, Serial No. 229,402
5 Claims. (Cl. 229—51)



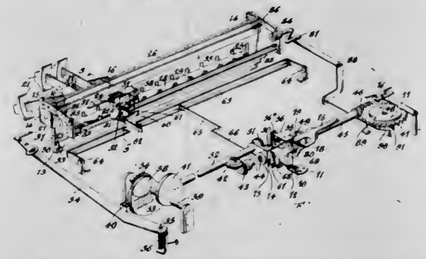
5. A carton including lateral walls, an end wall section issuing from the end of one of the lateral walls, a flap at right angles to said end wall section and lying adjacent the inner surface of the opposite lateral wall and detached therefrom, an end wall section issuing from the end of the last named lateral wall and overlying said first named end wall section and secured thereto, other end wall sections issuing from the other lateral walls and adhesively secured to one of said end wall sections, lines of weakening extending across said last named end wall sections near the ends of the lateral walls from which they issue, and a line of weakening at the fold line between the second named end wall section and the lateral wall from which it issues, said last named line of weakening extending into said lateral wall to form a severable tab connected to the second end wall section, said lines of weakening forming a severable closure in the end wall of the carton, said first named lines of weakening forming flanges underlying said closure, said flanges being unsecured to said first end wall section.

2,249,245
REGISTERING APPARATUS FOR PRINTING FORMS
Allen Hofrichter, Suffern, N. Y.
Application October 31, 1940, Serial No. 363,654
20 Claims. (Cl. 33—184.5)



1. A registering apparatus for printing forms comprising a cylinder for carrying a control sheet, means to support said cylinder for movements relative to a printing chase, means to so move said cylinder, and indicating members movable with said supporting means and relative to said cylinder for indicating a point on said chase corresponding to a preselected point on said control sheet.

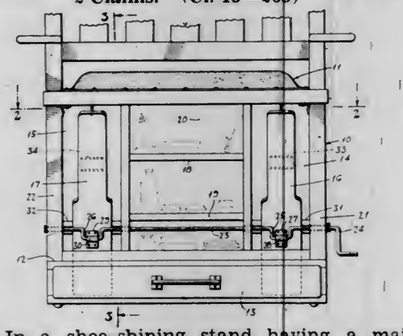
2,249,246
SELECTOR MECHANISM FOR AUTOMATIC PHONOGRAPHS
Otto A. Hokanson, Snyder, and Theodore M. Wright, North Tonawanda, N. Y., assignors to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application May 25, 1939, Serial No. 275,668
13 Claims. (Cl. 192—139)



1. A record selector mechanism for automatic phonographs, comprising an operating shaft, a frame having a longitudinal guide member thereon, a slide-block operatively connected to said shaft for movement on said guide member to one or another of a plurality of selective positions, a plurality of record-selector levers pivoted to said frame and disposed in a row parallel to the path of travel of said slide-block and projectable to and from a selective position into and out of its

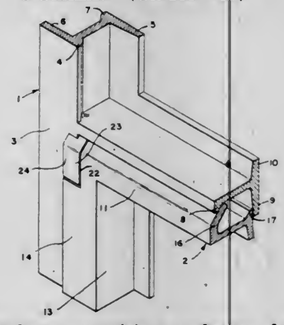
path, a clutch device for governing said shaft, and a clutch-releasing trip means applied to said slide-block and operatively connected to said clutch device for shifting the latter to a released position when the block is arrested in its movement by a projected selector element.

2,249,247
SHOESHINE STAND
Oliver Jones, Newark, N. J.
Application May 21, 1940, Serial No. 336,320
2 Claims. (Cl. 15—265)



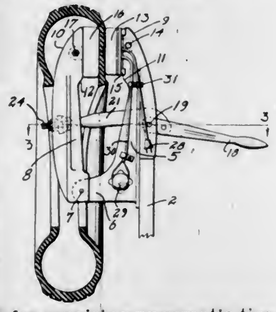
1. In a shoe-shining stand having a main body portion with a seat thereon, a crank shaft having two longitudinally spaced substantially U-shaped crank portions formed therein rotatably mounted in said body portion beneath said seat and extending longitudinally thereof, means for rotating said shaft, a foot rest pivotally mounted intermediate the opposite ends thereof on each crank portion whereby rotation of said crank shaft in one direction will simultaneously position the foot rests in a substantially vertical position within the body portion and rotation of said shaft in the opposite direction will simultaneously extend said foot rests in a substantially horizontal position so as to project beyond said body portion a distance determined by the amount of rotation of said shaft, and abutment means arranged and adapted to limit downward pivotal movement of said foot rests to a substantially horizontal position.

2,249,248
WINDOW
Clyde W. Kelly, Detroit, Mich., assignor to Detroit Steel Products Company, Detroit, Mich., a corporation of Michigan
Application June 26, 1939, Serial No. 281,234
6 Claims. (Cl. 189—67)



1. A window comprising a frame formed of framing bars, a ventilator formed of bars having their outside faces in the same plane with one of said ventilator bars taking a position inside a part of the associated framing bar when the ventilator is closed, said last mentioned ventilator bar being formed with openings to permit swinging of said ventilator, means for pivotally supporting said ventilator upon said frame comprising shoes upon said ventilator located in the zone of said last mentioned ventilator bar and slidably engaging certain of said framing bars, and balance arms pivotally connected to certain of said framing bars and ventilator bars and closure means for the openings carried upon said shoes.

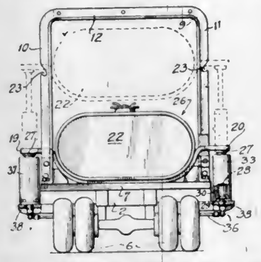
2,249,249
APPARATUS FOR APPLYING HEAT TO ARTICLES TO BE REPAIRED
Paul L. Meath, Houston, Tex.
Application August 8, 1938, Serial No. 223,647
1 Claim. (Cl. 18—18)



In a device for repairing pneumatic tire casings and the like, a clamping means comprising a pair of upstanding arms pivotally connected to each other adjacent their lower ends, a heating member on one of said arms substantially at the upper end thereof and having a clamping surface facing toward the other arm, a clamping member on the other of said arms substantially at the upper end thereof and having a relatively flexible clamping surface directly opposed to said first clamping surface, said arms extending directly downwardly from said clamping and heating members a sufficient distance to clear the side wall of a casing hung over said heating member or said clamping member, a quick acting latching means permanently connecting said arms a distance below said clamping members sufficient to clear the side wall of a casing so disposed, means lying closely adjacent and along the upper end portion of the arm carrying said heating member for supplying energy to said heating member, and supporting means connected with said clamping means for supporting and maintaining said clamping means in upright position and so positioned in relation to said heating and clamping members as to clear a casing so disposed, whereby a casing may be hung over either of said members with its general contour substantially undisturbed and with one side wall between said members and with either its inner or outer surface against said heating member.

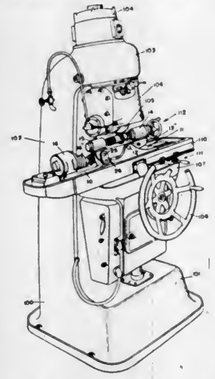
2,249,250
COMBINATION HAULING DEVICE
Ernest T. Menard, Los Angeles, Calif.
Application January 16, 1940, Serial No. 314,043
6 Claims. (Cl. 280—5)

1. In a cargo carrier having a truck body for carrying general cargo, an elongated tank parallel with the body of the truck and resting upon same, means extending above the body along the sides thereof to provide a guide and support for



the tank, arms extending from the sides of the tank and engaging said means, other means fixed to the body and engaging said arms for raising and lowering the tank.

2,249,251
METHOD OF AND APPARATUS FOR CROWNING GEARS
Max B. Mentley, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application March 14, 1938, Serial No. 195,875
8 Claims. (Cl. 90—1.6)



1. The method of crowning helical gear teeth which comprises meshing a gear member with a gear-like tool member with their axes crossed at an angle of less than 30°, rotating one of said members directly and the other through the meshing engagement therewith, and simultaneously rocking one of said members about an axis substantially perpendicular to the direction of the engaged teeth of said members.

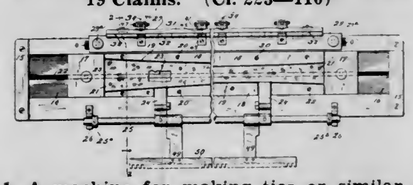
3. In a gear finishing machine, a tool arbor mounted for adjustment about an axis perpendicular to its axis, a platform, a swivel plate on said platform, a work arbor on said swivel plate, means for adjusting said swivel plate relative to said platform, said arbors being positioned relative to each other so that a gear-like tool on said tool arbor will mesh with a gear to be finished on said work arbor, means for rotating one of said arbors, a fixed support for said platform, said platform being pivotally mounted on said support for oscillation about an axis perpendicular to the axis of adjustment of said swivel plate, and means for effecting slow predetermined oscillation of said platform simultaneous with rotation of said arbors, said means comprising a motor, a crank driven by said motor, and a link joining said crank and said platform.

2,249,252
GEAR FINISHING
Max B. Mentley, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application January 16, 1939, Serial No. 251,253
7 Claims. (Cl. 90—1.6)



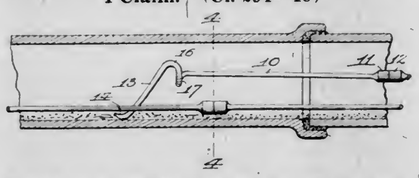
1. The method of finishing a series of like gears having a nominal pressure angle either substantially greater than 19° or substantially less than 15°, which comprises running said gears in mesh at crossed axes with a gearlike tool adapted when new to mesh tightly with said gears at a center distance such that the operating pressure angle is between 15° and 19°.

2,249,253
METHOD OF AND MACHINE FOR MAKING NECKTIES OR SIMILAR ARTICLES
Valentine Naftali, Henry Naftali, and Rudolf Naftali, New York, N. Y., assignors, by mesne assignments, to American Machine & Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 5, 1935, Serial No. 9,398
19 Claims. (Cl. 223—110)



1. A machine for making ties or similar articles, including in combination a base provided with a profiled recess and a groove at the bottom of the recess which extends along the recess, templates forming the sides of the recess, means for holding two pieces of fabric together relatively to a predetermined line of stitching, such means serving to locate one piece in the recess, and a member positioned removably in the groove for lifting the one piece from the recess with the other piece.

2,249,254
PICKUP HOOK FOR BROKEN RODS
William D. Osborn, Los Angeles, Calif.
Application October 11, 1939, Serial No. 298,983
1 Claim. (Cl. 294—19)



A pick-up hook for broken jointed rods or the like having joints of greater diameter than that of said rods, comprising an elongated straight

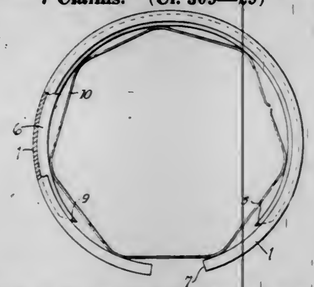
and solid shank having front and rear ends, the front end of said shank being formed to provide an open loop having co-planar portions at right angles to said shank, the free end of said loop being extended forwardly thereof in the form of an outwardly diverging helix having an arc of substantially 180°, the internal diameter of said open loop being slightly greater than that of a rod and less than that of a joint, whereby said loop is adapted to freely receive a rod at points intermediate of the joints and be retracted along the rod to bring a joint into engagement with said co-planar portions of said loop.

2,249,255

REINFORCED PISTON RING

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan

Application August 5, 1939, Serial No. 288,554
7 Claims. (Cl. 309—29)



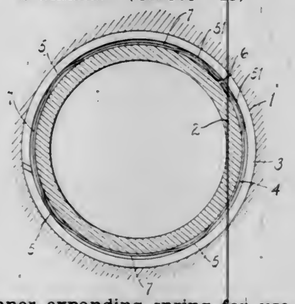
1. A piston ring comprising an outer split cast iron wall engaging member having a relatively narrow internal groove extending to the ends thereof and centrally spaced relative to the sides thereof, and a resilient split annular reinforcing element of ribbon steel disposed in said groove in edge engagement with the bottom thereof throughout the length of said engagement, said inner element being of substantially greater diameter when relaxed than said outer member to exert a substantial outward thrust on the outer member and being of such length that its ends terminate at points substantially 45° from the split of the outer member whereby to increase the tension of said outer member at such points.

2,249,256

PISTON INNER RING OR EXPANDER

Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan

Application August 5, 1939, Serial No. 288,555
2 Claims. (Cl. 309—43)



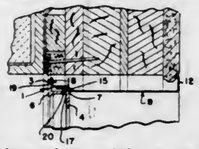
1. An inner expanding spring for use with a piston ring in a piston groove adapted to facilitate installation of the piston ring in the groove and to render uniform the wall tension exerted by the piston ring, comprising a thin split ribbon-like steel element having in relaxed condition a plurality of convex piston ring engaging crimps connected by curved convex reaches of greater radius of curvature than the crimps, whereby said reaches seat in the groove and minimize the extent to which the crimps project radially in the groove, the crimps immediately adjacent the split in the element being positioned more closely adjacent one another in installed position of the spring than any two other crimps in the element whereby to equalize the tension exerted on the piston ring by eliminating the drop in spring tension of the element normally occasioned by splitting the same.

2,249,257

CASING CONSTRUCTION

Mason P. Rumney and Clyde W. Kelly, Detroit, Mich., assignors to Detroit Steel Products Company, Detroit, Mich., a corporation of Michigan

Application February 16, 1940, Serial No. 319,337
3 Claims. (Cl. 189—75)



1. The combination with a wall having an opening and a frame in the opening, of a casing attachable to said frame as a unit, comprising a plurality of sections corresponding respectively to the several sides of said frame spaced from the boundary of the wall opening and secured together, cooperating means upon certain of said frame sides and sections for limiting relative transverse movement of said frame sides and sections in one direction, means for limiting relative transverse movement of said frame sides and sections in the opposite direction comprising shoulders upon certain of said frame sides and projections upon certain of said sections engageable with said shoulders, and a plurality of clips upon certain of said frame sides spaced from the boundary of the wall opening and engageable with certain of said sections to hold the latter toward the former, one of said pluralities being resilient to provide for snapping said projections over said shoulders.

2,249,258

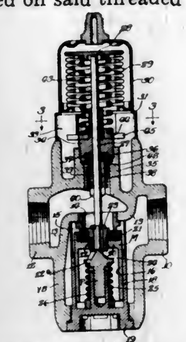
VALVE STRUCTURE

Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application August 22, 1938, Serial No. 226,133
1 Claim. (Cl. 137—156)

For use with a valve structure having a valve body and valve mechanism therein; means to operate said valve mechanism comprising a bellows exterior of said valve body, a pressure connection with said bellows whereby a predetermined pressure affecting said bellows will operate said valve mechanism, said valve body having a boss surrounded by a tubular portion of the valve body, two sides of which form projections spaced from each other and extending upwardly from said tubular portion, said bellows being mounted on said projections, a guide sleeve surrounding said stem and mounted in said boss, said sleeve having a screw threaded part located between

said projections, and an adjusting nut for said bellows located on said threaded part and accessible for adjustment by a tool inserted between said projections.

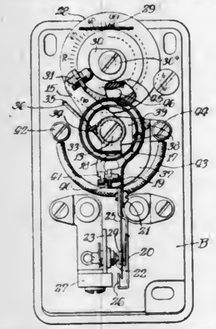


2,249,259

ROOM THERMOSTAT

Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application May 13, 1940, Serial No. 334,872
2 Claims. (Cl. 200—139)



1. In a room thermostat, a supporting arm having a perforation for pivotally mounting the arm, said arm having an extension parallel to the pivot axis and terminating in a portion across the pivot axis having a second perforation for pivotally mounting said arm and aligning it at right angles to the pivot axis, a temperature responsive element mounted on said extension of said supporting arm, a switch arm carried by said temperature responsive element, switch contacts under control of said switch arm, a cam for pivotally adjusting said supporting arm and thereby said temperature responsive element, means biasing said supporting arm toward said cam, and a bracket carried by said supporting arm and engageable with said switch arm at one limit of movement of said cam, said bracket being effective to limit the movement of said supporting arm to a position retaining said contacts in a predetermined position relative to each other.

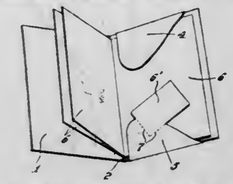
2,249,260

ADVERTISING FOLDER

Frank B. Sohl, Garden City, N. Y., assignor to Githens-Sohl Corporation, New York, N. Y., a corporation of New York

Application September 12, 1939, Serial No. 294,415
2 Claims. (Cl. 229—92.1)

1. In a folder for advertisements, an envelope creased along its center and having ears projecting from the top and bottom edges of one of the halves, a business return card formed in one



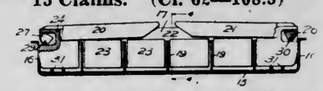
of said ears, a tab by means of which the two halves may be fastened together in a folded condition, and an advertising pamphlet held within said envelope under said ears.

2,249,261

SHARP FREEZING MOLD

Richard M. Storer, Denver, Colo.

Application July 5, 1938, Serial No. 217,492
15 Claims. (Cl. 62—108.5)



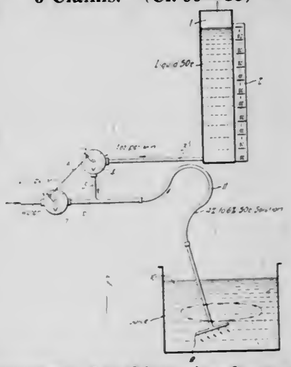
1. A grid for an ice tray, comprising a longitudinal support, transverse wall members thereon, a longitudinal wall member held adjacent one side of the support for limited movement relative thereto, another longitudinal wall member movably held at the opposite side of the support, the two longitudinal wall members having converging surfaces, a lever pivoted on the support, a pair of cams on the lever to be rotated by angular movement thereof and acting on the said longitudinal wall members to move them independently with reference to each other.

2,249,262

PROCESS FOR CONTROLLING BACTERIAL ACTIVITY DURING MAKING OF WINE

James A. Thomas, Berkeley, Calif., assignor to Esotoo Fumigation Co. Ltd., San Francisco, Calif., a corporation of California

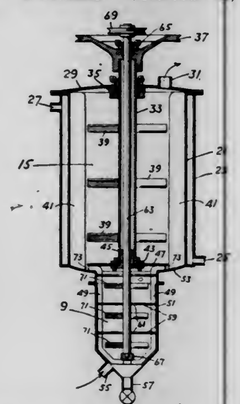
Application August 27, 1938, Serial No. 227,160
3 Claims. (Cl. 99—35)



1. The process of making wine from must containing natural wine yeast, *Saccharomyces ellipsoideus*, together with undesirable wild yeasts, molds and bacteria normally present in must during fermentation thereof that includes the steps of mixing an aqueous solution of liquid SO_2 with said must in the ratio of substantially from 2 to 6 ounces by weight of liquid SO_2 to the must

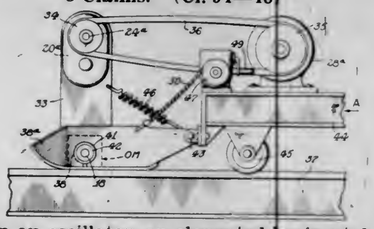
produced from each ton of grapes, thereby substantially inactivating the undesirable wild yeasts, molds and bacteria while permitting substantially unretarded activity by the said natural wine yeast, and thereafter permitting fermentation of said must under the predominating influence of said natural wine yeast.

2,249,263
APPARATUS FOR TREATING OILS
George Frederick Wheelwright, Jr., Westfield, N. J., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application September 20, 1937, Serial No. 164,659
3 Claims. (Cl. 259—6)



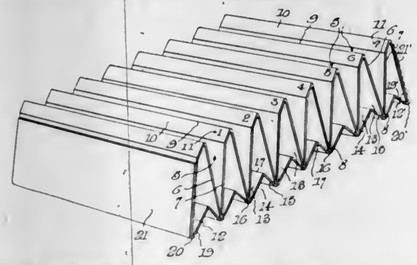
1. In apparatus for the continuous refining of vegetable and animal oils, a mixer comprising a first chamber, a plurality of vertically spaced horizontal plate baffles provided with central openings positioned therein, an agitator provided with rotatable paddles extending between said plate baffles positioned in said chamber, a second chamber in communication with said first chamber, means positioned in said second chamber for agitating the contents thereof, and means for varying the temperature of the contents of said second chamber.

2,249,264
OSCILLATOR
Robert William Baily, Narberth, Pa.
Application February 20, 1939, Serial No. 257,295
5 Claims. (Cl. 94—48)



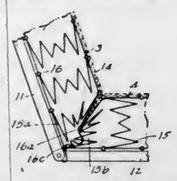
1. In an oscillator, an elongated horizontal oscillating member having longitudinally arranged ribs, a pair of eccentric weights, mounted out of the line of the long axis of said member on axes which lie in a single plane passing approximately through the said axis of said member and substantially parallel thereto, each eccentric weight rotating in opposite direction with respect to the other, said weights being so synchronized that the eccentrics are on the same side of the plane at the same time, thereby oscillating the member first in one angular direction and then in the opposite angular direction and about its own horizontal axis.

2,249,265
ASSORTING AND FILING DEVICE
Raymond Edward Bauder, Chicago, Ill.
Application October 24, 1940, Serial No. 362,666
4 Claims. (Cl. 129—15)



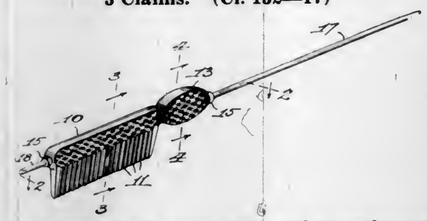
1. A longitudinally extensible and retractable assorting and filing device comprising an elongated sheet of resilient material plaited transversely to provide a plurality of upwardly open pockets each having upwardly diverging front and rear walls connected at their lower edges, and a longitudinal flexible member underlying said sheet and secured to the connected lower edges of said pockets to insure substantially uniform opening of said pockets when the device is extended from a relatively collapsed condition.

2,249,266
COMBINED CHAIR AND BED
Joseph D. Bell, San Francisco, Calif.
Application April 16, 1938, Serial No. 202,480
4 Claims. (Cl. 5—37)



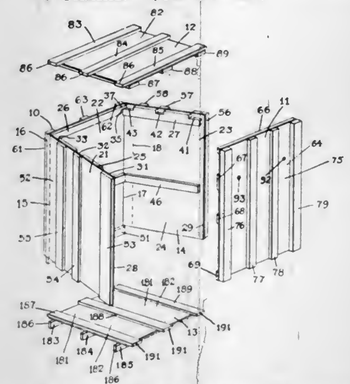
1. In combination, a base, two rigid sections, one a seat section and the other a back, having a hinged connection between the same, means for supporting the two sections on the base with freedom of movement between positions of horizontal alinement and of chair angularity, a unit of transverse rows of coil springs mounted on the sections, means for connecting together the adjacent top edges of two of the rows of springs with freedom of flexing inward and outward when unrestrained, the said means being centered substantially vertically over the pivot of the hinges of the two sections, a check cord, means for fastening the cord with respect to the connecting means for the said top edges of the springs and the hinge connection for holding the said edges from bulging outwardly at the commencement of the folding operation of the sections, the said cord being slackened and released from the holding strain with the continuation of the folding by the inward flexing of said adjacent top edges toward the hinge connection.

2,249,267
PERMANENT WAVE COMB AND SPREADER
John R. Berry, Los Angeles, Calif.
Application June 17, 1940, Serial No. 340,917
3 Claims. (Cl. 132—17)



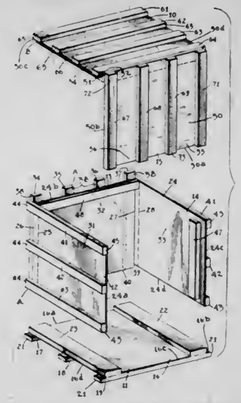
1. A permanent wave comb and spreader comprising a comb including a back and comb teeth, a plate projecting from one end of the comb back, a rod of resilient material extending through the back of the comb and through said plate, a substantial portion of which rod projects from said plate and a short portion of said rod projecting from the end of the comb back and a reinforcing tube secured to said rod and extending through said comb back and said plate and the end portions of which tube extend short distances beyond the ends of said comb back and plate.

2,249,268
BOX
Paul F. Boeye, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application September 10, 1937, Serial No. 163,216
6 Claims. (Cl. 217—12)



1. A box having a wall assembly including three of the lateral walls of the box said assembly being constructed from a sheet of material, cleats on the inside and outside of the sheet, some of said cleats being parallel with the corners between the walls of the assembly, said sheet being formed with parallel scores along one of said corners spaced apart a distance substantially equal to the thickness of the cleats adjacent said corner, said parallel cleats on the two walls adjoining said corner being staggered to cause the sheet to fold with the walls parallel to one another and spaced apart the thickness of said cleat, said sheet being formed with parallel scores along the other corner of the assembly and spaced apart a distance substantially equal to twice the thickness of the parallel cleats plus the thickness of the cleats on other side of one of the outermost walls of the assembly to accommodate folding of the adjacent outermost wall upon the other outermost wall, a fourth lateral wall a top and a bottom and means for securing said parts together at their edges.

2,249,269
BOX
Paul F. Boeye, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application August 3, 1938, Serial No. 222,805
1 Claim. (Cl. 217—12)

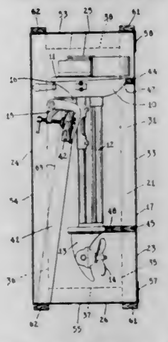


A box comprising a section including three of the lateral walls of the box, said section being constructed from sheet material formed with scores and folded transversely along the scores to divide the same into the three lateral walls of the box, said scores forming hinge connections therebetween, vertically extending cleats attached to the intermediate wall of the section, two of said cleats extending along the said scores, horizontally extending cleats attached to the outer walls of the section, one of said cleats extending along each of the upper edges of the outer walls of the section, the ends of said last named cleats overlying the edges of the outermost cleats on the intermediate wall and being adapted to be secured thereto, another section including the top and the other lateral wall of the box, said section being constructed from sheet material formed with two spaced parallel scores separating the top from the lateral wall and being folded to bring the juxtaposed portions of the sheet adjacent one score in overlying position to provide a gather projecting outwardly beyond the top, cleats extending transversely of the top, one of said cleats being disposed adjacent said gather and another of said cleats being disposed at the free edge of said top, the upper ends of the vertical cleats on the intermediate wall being secured to said last named cleat on the top, vertical cleats on said fourth lateral wall the upper ends thereof being secured to the cleat on said top adjacent the gather, and a bottom secured to said lateral walls.

2,249,270
BOX
Paul F. Boeye, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application January 14, 1939, Serial No. 251,000
3 Claims. (Cl. 217—36)

3. A box for carrying a motor having a C-clamp opening downwardly and disposed at an angle

relative to the drive shaft housing and situated intermediate the upper and lower ends of the motor, said box having a wall structure comprising side walls and a rear wall connected together at adjoining vertical edges, said side walls having cleats extending along the connected vertical edges and disposed upon the exterior thereof, two transverse cleats disposed upon the interior of the box and extending across the side walls intermediate the upper and lower ends thereof and secured to said cleats, a cross bar extending across said second named cleats and butting against the same, said cross bar being disposed in angular relation with respect to the rear wall of the box



to correspond to the angularity of the clamp, fasteners extending through the second named cleats and endwise into the cross bar, the clamp of the motor being adapted to engage said cross bar to hold the motor within the box, a brace secured to said first named cleats at a locality below said cross bar and disposed upon the interior of the box for engagement with a portion of the motor below said clamp and a second brace secured to said first named cleats at a locality above said cross bar for engagement with a portion of the motor above said clamp, said braces having notches therein receiving portions of the motor and restraining swinging of the motor laterally on the clamp.

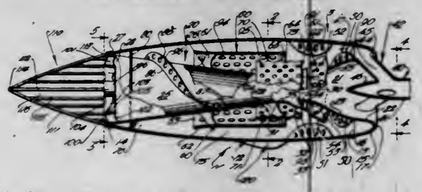
2,249,271

AIRCRAFT ENGINE EXHAUST SILENCER AND BACK PRESSURE REDUCER

Curtiss L. Davis, Los Angeles, Calif.

Application November 28, 1938, Serial No. 242,755

12 Claims. (Cl. 181—51)



1. In a device as described, a structure of an aeroplane having a silencer and back pressure eliminator built therein, such silencer having an elongated shell, a Venturi tube extending substantially centrally through the shell with a forward intake end connected to the forward part of the shell and contracting to a throat and a diverging tail portion expanding from the throat and connected at its rear end to a rear portion of the shell thereby providing a space between the shell and the Venturi tube, means to discharge the exhaust gases from an engine into such space and means to direct an air blast through the Venturi tube, the throat of the Venturi tube having an inlet means for the exhaust gases from the said space between the Venturi tube and the shell, a partition structure surrounding at least part of the shell and having an opening at its forward end for inlet air flowing longitudinally of the aeroplane structure and outlets at its rear end for such air whereby the air passing over the outside of the shell is operative to cool such shell.

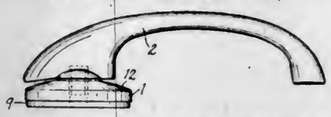
2,249,272

ESCUTCHEON FOR HANDLES AND THE LIKE

George E. Dey, Grand Rapids, Mich., assignor to W. B. Jarvis Company, Grand Rapids, Mich., a corporation of Michigan

Application December 23, 1940, Serial No. 371,271

10 Claims. (Cl. 292—357)



1. An escutcheon unit for automobile door handles and the like having a telescoping spindle and handle shank, comprising a dished base member having an annular upturned flange and an axial aperture for receiving the spindle, an outer dished escutcheon member having an annular flange externally telescopingly engageable with the base member flange and a centrally flanged opening concentric with the base member opening to telescope on the handle, and a coil spring disposed internally of said members and concentrically thereof, one of the end coils thereof being smaller than the other and in lateral gripping engagement with the central flange of the escutcheon member and axially abutting the escutcheon member, and the opposite coil abutting and being clampingly positioned by the base member, said members and spring being secured together as a unit by said gripping engagement and clamping positioning, and the members being relatively collapsible in opposition to said spring to expose a portion of said handle normally covered thereby to view, means locking the handle and spindle together when the spindle and handle shank are in telescoped engagement.

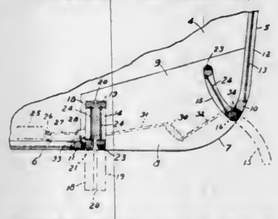
2,249,273

COACH DOOR CONSTRUCTION

Howard A. Flogaus, Lansing, Mich., assignor, by mesne assignments, to Reo Motors, Inc., Lansing, Mich., a corporation of Michigan

Application May 9, 1938, Serial No. 206,778

2 Claims. (Cl. 296—44)



1. In a vehicle body having a side wall and an end wall joining said side wall in a rounded corner and having a door opening therein extending into said side wall and end wall, a closure for said opening comprising a door member hinged at one edge to one of said walls adjacent an edge of the door opening, said door member consisting of two hingedly connected relatively movable sections, and a second door member consisting of a single section curved to conform to the rounded corner of the body and being hinged to the other wall adjacent the opposite edge of the door opening.

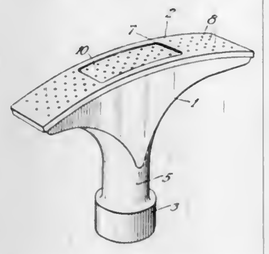
2,249,274

HOSE NOZZLE

Phillip Faine, Chicago, Ill., assignor to W. D. Allen Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application July 2, 1938, Serial No. 217,153

6 Claims. (Cl. 299—141)



1. A fan shaped hose nozzle having a longitudinally arched spray head having a centrally disposed portion of its surface depressed, said depressed portion being also arched and of such curvature as to be concentric or parallel with the normal curvature of the spray head.

2,249,275

INSULATING MATERIAL AND METHOD OF MANUFACTURE

Albert J. Hanley, Cranston, R. I., assignor to Respro Inc., Cranston, R. I., a corporation of Rhode Island

Application March 31, 1937, Serial No. 134,033

2 Claims. (Cl. 154—2.6)



1. The herein disclosed method of producing electric insulating material in a plastic flat sheet form and which can be wrapped, molded, stretched and formed about electric conductors or other objects and which comprises carding open fluffy bats of loose asbestos fibers, overlaying a number of such open fluffy bats in different directions into a loose open fluffy wadding, surface sizing said open wadding with a water and flame resisting adhesive, sufficiently only for holding the loose surface fibers together for subsequent handling and without filling the interstices in the open wadding, introducing synthetic insulating resin of a stable thermoplastic type into and through said open fluffy wadding and entirely around and about the loose individual fibers of said open wadding with sufficient of said resin to form a plastic sheet in which said loosely related fibers are freely suspended, and consolidating the same into a firm plastic, stretchable and moldable body in plastic sheet form.

2,249,276

TREATMENT OF CRACKED HYDROCARBON DISTILLATES

William J. Ryan, Wilmington, and Marcus T. Kendall, Long Beach, Calif., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application March 24, 1939, Serial No. 263,944

4 Claims. (Cl. 196—31)

1. A process for the treatment of cracked petroleum hydrocarbon distillates of high sulfur content, which comprises subjecting the distillate to the action of sulfuric acid of about 55–60% strength whereby gum forming bodies are removed without substantially affecting other constituents and then treating the oil with caustic alkali solution at a temperature of at least about 150° F. while under a substantial superatmospheric pressure, to remove sour sulfur compounds and produce a sweet product.

2,249,277

TREATMENT OF CRACKED HYDROCARBON DISTILLATES

William J. Ryan, Wilmington, and Marcus T. Kendall, Long Beach, Calif., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application September 18, 1940, Serial No. 357,282

4 Claims. (Cl. 196—31)

1. A process for the treatment of cracked petroleum hydrocarbon distillates which comprises subjecting highly cracked naphtha distillate to the action of aqueous caustic alkali at a temperature of at least about 150° F. while under a substantial superatmospheric pressure to remove sulfur compounds from the oil and then treating the distillate with sulfuric acid of about 55–60% strength to remove gum-forming bodies without substantially affecting other constituents of the oil.

2,249,278

ABRASIVE BODY AND MANUFACTURE THEREOF

Samuel S. Kistler, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Application May 28, 1936, Serial No. 82,281

7 Claims. (Cl. 51—298)

1. An unswelled abrasive article comprising abrasive grains united by a dehydrated converted, infusible, phenol-formaldehyde resin and containing the reaction product of water from said resin combined with a non-acidic, inorganic dehydrating agent which by chemical combination takes up water of reaction at a temperature substantially above 100° C. during the stage of converting the resin at a temperature above 100° C. and said abrasive article containing substantially no uncombined water.

2,249,279

METHOD OF MANUFACTURING ABRASIVE ARTICLES

Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Application November 24, 1937, Serial No. 176,294

4 Claims. (Cl. 51—293)

1. Method of making an abrasive body com-

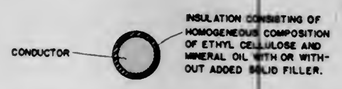
prising abrasive grain bonded with a resin which is the polymerized product of phenol and its homologues with formaldehyde and its homologues which comprises adding to the mixture of the foregoing a quantity of non-acidic inorganic dehydrating agent capable of taking up water of reaction at a temperature substantially above 100° C., pressing the mixture, and curing the pressed product in an an autoclave at a temperature substantially above 100° C. under a pressure sufficient to prevent any water in the body from passing into steam, whereby swelling is avoided by preventing the generation of steam and water formed in the body is eventually taken up by the dehydrating agent.

2,249,280

INSULATED ELECTRICAL CONDUCTOR

William Koch, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application May 31, 1939, Serial No. 276,643
6 Claims. (Cl. 174—125)



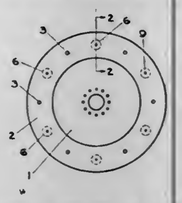
1. An insulated electrical conductor comprising an electrical conductor and as insulation therefor a fused, homogeneous composition consisting of from about 75% to about 95% of ethyl cellulose having an ethoxyl content in the range from about 45% to about 51% and from about 25% to about 5% of mineral oil, the said insulated conductor being characterized by resistance to cutting through of the insulation by pressure at temperatures of the order of 75° C. and also being characterized by flexibility at low temperatures.

2,249,281

CUSHIONED CLUTCH AND FACING

Samuel K. Wellman, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio

Application May 26, 1939, Serial No. 275,837
17 Claims. (Cl. 192—107)



1. In a frictional device of the type wherein a plate-like frictional facing member is secured to a support, a unitary cushioned frictional facing assembly which comprises a frictional facing member having desired frictional characteristics at one of its faces and characterized by having cushioning means positioned in a recess provided in the opposite face, said cushioning means being secured only to said facing member and adapted normally to impel a portion of said facing member away from a support when said facing member is secured flatwise adjacent the latter, and further adapted to be wholly received within said recess when the said portion of the facing member is forced into face to face contact with said support.

2,249,282

FRICTIONAL DEVICE

Samuel K. Wellman, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio

Original application May 26, 1939, Serial No. 275,837. Divided and this application January 27, 1941, Serial No. 376,098
5 Claims. (Cl. 188—259)



1. In a frictional device having engageable friction surfaces which operate in a liquid, the combination of: a support having a first generally-elongated, relatively thin friction member disposed flatwise thereon and secured within a portion thereof to said support, one end of said member being yieldingly mounted for movement toward and away from said support while being normally held away therefrom; a second friction member having a face thereof disposed for relative motion with respect to said first friction member when brought into face to face contact therewith, the face of said second friction member having desired frictional characteristics relative to the exposed face of said first member, and the relative motion between said faces being such that said second friction member is first engaged by said yieldingly mounted end of said first member, said first friction member being so arranged that said yieldingly mounted end is the leading end and is effective in removing excess liquid from the surface of said second member.

2,249,283

COATED BURIAL RECEPTACLE

James R. Brady, Marion, Ohio, and Laurence F. Lang, Butler, Pa., assignors to The Marion Metal Products Company, Marion, Ohio, a corporation of Ohio

Application October 28, 1938, Serial No. 237,450
5 Claims. (Cl. 27—19)



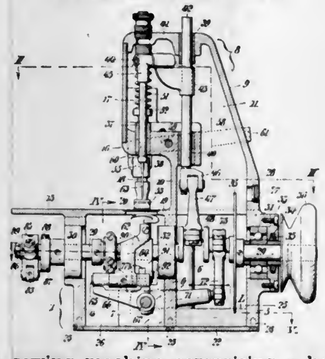
1. A burial receptacle having applied to the walls thereof a coating of asphaltic substance having a relatively smooth exterior surface, and a superficial corrugated layer of relatively light toned translucent sheet material that is impervious to said substance overlying and attached by adhesion to said coating, the areas of the material between corrugations being pressed firmly against the relatively smooth surface of the coating so as to have imparted to them by the underlying substance a darkened effect in contrast to the substantially normal tone of the material apparent in the corrugations.

2,249,284

SEWING MACHINE

Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application July 25, 1938, Serial No. 221,073
9 Claims. (Cl. 112—197)



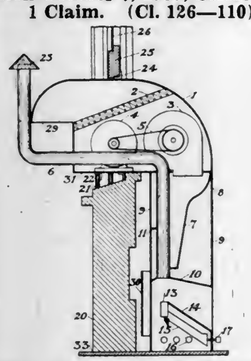
1. A sewing machine comprising a horizontal work support with a standard rising therefrom and having at its top a lateral projection which over-reaches the work support; a needle bar guided for up and down movement on the lateral projection of the standard; a horizontal drive shaft journalled beneath the work support; and needle bar operating mechanism including a slide bar which is parallel with said needle bar and which is guided for endwise movement on the standard, a bracket with a boss surrounding the slide bar and a lateral projection engaging, with capacity for free lengthwise sliding movement, a member affixed to the needle bar, means for securing the boss of the arm to the slide bar with capacity for rotative adjustment of said arm about said slide bar, and a rotary actuator on the drive shaft for imparting reciprocatory movement to the slide bar.

2,249,285

AIR CONDITIONING UNIT FOR THE RELIEF OF HAY FEVER AND ASTHMA

Howard E. Degler and Alvin H. Willis, Austin, Tex., assignors to Board of Regents of The University of Texas, Austin, Tex.

Application October 7, 1939, Serial No. 298,446
1 Claim. (Cl. 126—110)



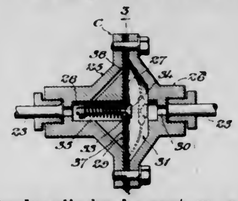
In a device for the relief of hay fever, a hood adapted to project thru the window of a room to extend beyond the wall on both sides, a casing extending vertically downward from the hood, heating means at the bottom of the casing, a plurality of exhaust pipes extending upwardly from said heating means to form a heat exchanger within the casing, a filter within the hood, and a motor-driven blower lacated between the filter and the heat exchanger for causing a downward flow of filtered air around the exhaust pipes to build up within the room a positive pressure to cause an outward leakage thru the cracks and openings of the room.

2,249,286

HYDRAULIC BRAKE SYSTEM

Jay W. Dudley, Knoxville, Tenn.

Application March 4, 1941, Serial No. 381,732
5 Claims. (Cl. 188—152)



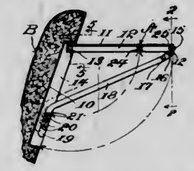
1. In a hydraulic brake system, a brake, a hydraulically operable unit for applying said brake, spring means for releasing said brake, a master unit having a closed-circuit liquid connection with said brake-applying unit and including an element movable to exert force on liquid in the system to effect brake applying actuation of said brake-applying unit, a diaphragm in said connection dividing the system into two parts and arranged to be flexed by liquid forced by said master unit and by its flexure to force liquid to the brake-applying unit to actuate the latter to apply the brake, means to insure at all times a liquid-filled condition of that part of the system between said diaphragm and said master unit, said diaphragm having an opening therein for flow of liquid therethrough, a check valve controlling said opening, said check valve being arranged to open toward said brake-applying unit and to close toward said master unit whereby liquid may flow from that part of the system between said master unit and said diaphragm to that part of the system between said diaphragm and said brake-applying unit and is prevented from returning from said second mentioned part of the system to said first mentioned part of the system, thus to render the master unit effective by an unvarying amount of movement of the movable element thereof to effect application of the brake despite wear of the brake.

2,249,287

TABLE FOR AUTOMOBILES

Joseph A. Gearhart and William M. Gearhart, Sr., Brackenridge, Pa.

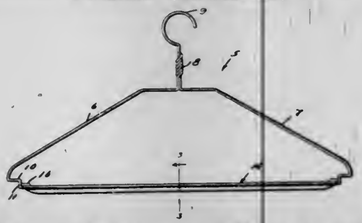
Application January 15, 1940, Serial No. 313,994
5 Claims. (Cl. 311—21)



1. A table for a motor seat back comprising an open sided housing, a table top for closing the open side of said housing and swingable on a horizontal axis, props having universal connection with a table top and swingable laterally and in a vertical direction, the props when swung laterally being accommodated within the hous-

ing and concealed therein by the top when closing the open side of said housing, means within the housing and engaged by the props when the top is swung to a position for opening the housing and sustaining said top in a supporting position, and means associated with the top and engageable with the first-named means to hold said top in a position for closing the housing.

2,249,288
GARMENT HANGER
William C. Gerard, Waco, Tex.
Application October 23, 1940, Serial No. 362,444
1 Claim. (Cl. 223—88)



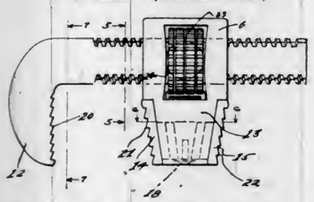
A garment hanger comprising oppositely inclining wire shoulder portions joined at their inner ends to form hanger suspending means, inwardly projecting terminals on the outer ends of the shoulder portions spaced substantially apart, a horizontal hanger bar comprising a relatively flat transversely rounded wide bar and having an opening adjacent each end thereof, said bar having depending laterally inwardly deflected flanges joined to the respective longitudinal edges of said bar by transversely curved portions to form a rounded inverted triangular cross sectional shaped tube supported by said terminals, each of said terminals comprising an inwardly projecting horizontal portion, a perpendicular portion depending from the horizontal portion, a longitudinally inwardly projecting horizontal portion extending from the perpendicular portion and engaging the lower side of the web of the hanger bar, the end of the last named portion extending upwardly through a hole in the hanger bar and bent longitudinally outwardly and downwardly to lie along the top of said web to securely lock the bar to the shoulder portions.

2,249,289
SUTURE PACKAGE
Cyrus F. Horine, Baltimore, Md.
Application March 17, 1939, Serial No. 262,528
10 Claims. (Cl. 206—63.3)



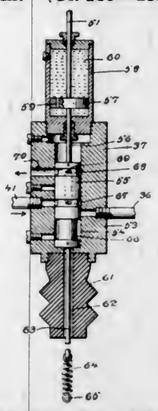
1. A suture package comprising a hermetically sealed container, a conical bobbin enclosed within the container and having a suture spirally wound in a single layer thereon, and an outer covering portion unitary with the bobbin and substantially enclosing the suture.

2,249,290
PIPE WRENCH
Edwin J. Jahnel, Greenfield, Wis.
Application August 6, 1940, Serial No. 351,603
1 Claim. (Cl. 81—165)



In a wrench, a handle, a head on one end of the handle provided with a side extension, the extension being arranged in a plane at a right angle to the axis of the handle, a movable jaw member having a shank slidably extended through said head at a right angle to the axis of said handle, and a right angled end jaw in the plane of the head and extension and opposed to the latter, and a pair of jaw plates mounted on opposite sides of said extension, respectively, and complemental to said jaw, said member being removable from said head and insertible therein from opposite sides thereof to oppose the jaw to the plates, selectively, and thereby convert the wrench for right or left hand use, said plates being detachably attached to said extension, and means common to both plates for securing the same to said extension.

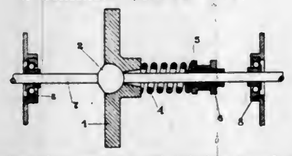
2,249,291
HAND CONTROL FOR MOTOR VEHICLES
Edward D. Jones, Pittsburgh, Pa.
Application January 22, 1940, Serial No. 315,077
1 Claim. (Cl. 188—152)



A control mechanism for clutch and brake actuating pedals comprising, the combination with a pedal of a lever adapted to be manually operated, a vacuum tank connected to the intake manifold of a motor vehicle, a vacuum cylinder having a piston therein connected to the pedal, a vacuum controlling valve having a housing connected to the vacuum tank and to the vacuum cylinder, a dash pot closing the upper end of the housing and connected to the lever, a piston in the housing having an upper piston rod connected to the dash pot and having a lower piston rod extending through the bottom of the housing,

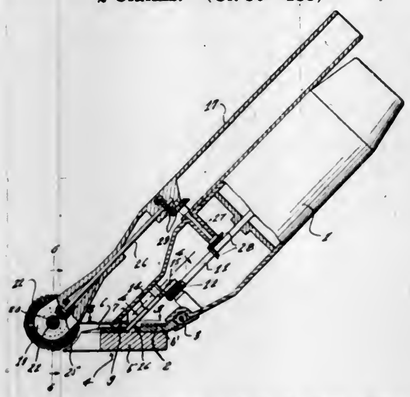
a spring connected to the lower piston rod and the housing for holding the piston in neutral position, the piston being provided with a passage adapted to connect the vacuum tank with the vacuum cylinder through the housing when the piston is in operative position, the piston being provided with a by-pass adapted to connect the vacuum cylinder with the atmosphere through the housing in the neutral position of the piston, vacuum from the vacuum tank being exerted upon the piston in the vacuum cylinder when the vacuum controlling valve in the housing is in operative position to actuate the pedal.

2,249,292
MEANS FOR STABILIZING HIGH SPEED ROTORS
Peter Kapitza, Moscow, Union of Soviet Socialist Republics
Application November 3, 1938, Serial No. 238,701
In the Union of Soviet Socialist Republics September 16, 1938
2 Claims. (Cl. 74—573)



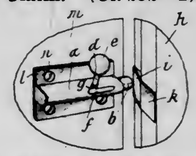
1. A device for rotors of high speed machine having a flexible shaft and a rotor turned by the shaft comprising, means for creating a frictional coupling between the rotor and the shaft permitting the principal axis of inertia of the rotor to coincide with the geometrical axis of rotation when the shaft is flexed, said frictional coupling consisting of spherical surfaces on the shaft and rotor, means for applying pressure between the spherical surfaces comprising an elastic washer attached to the shaft, a ring attached to the rotor having a wide central opening against the edge of which the elastic washer presses from the inside, and means for imparting torque from the shaft to the rotor consisting of two pins fixed with respect to the shaft and two pins on the rotor, freely fitted a disc having slots engaging all four pins.

2,249,293
HAIR CLIPPER
Harry L. King, International Falls, Minn.
Application August 10, 1940, Serial No. 352,143
2 Claims. (Cl. 30—133)



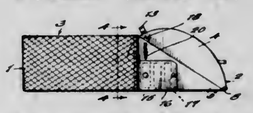
1. A hair clipper comprising a body, coacting cutters mounted on said body, a brush rotatably mounted on the body for sweeping the hair into the cutters, and means for actuating the brush and one of the cutters.

2,249,294
DEVICE FOR PREVENTING THE UNINTENTIONAL SHUTTING OF DOORS
Erwin Köhler, Stuttgart-Feuerbach, Germany
Application February 9, 1940, Serial No. 318,133
1 Claim. (Cl. 292—1)



A device for preventing unintentional shutting of open doors, comprising in combination a casing fixed on the door post and having a longitudinal slot and an upwardly directed outwardly inclined slot extending from the inner end of the longitudinal slot, a bolt shiftable in said casing, a spiral spring between the inner end of said bolt and the inner end of said casing, a pin projecting from said bolt and extending through said slot, a handle on the outer end of said pin, and a striking plate on the edge of the door opposite said casing and composed of an inner straight portion and of an outer inclined portion the end of the bolt bearing against this plate.

2,249,295
COMBINATION RUNWAY AND BROODER
Christopher J. Lawless, Ericson, Nebr.
Application March 8, 1940, Serial No. 322,915
3 Claims. (Cl. 119—19)

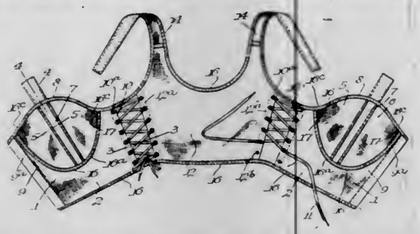


1. A device of the class described comprising a base having a runway section thereon, said base extending beyond the edge of said runway section and having a cover hinged to the outer end of said base, extension side walls extending from said runway along the lateral edges of said extension of said base to said outer edge, that side of said runway facing said base extension being open, said cover in closed position resting on said base and having a doorway in the wall thereof opposite said hinge, a door in one of said side walls and a door in the adjacent side wall if said cover, said last-named doors being adapted to align when the cover is in said closed position.

2,249,296
HOSPITAL BRASSIÈRE
Aleda L. Livingston, Hollywood, Calif.
Application October 25, 1938, Serial No. 236,924
1 Claim. (Cl. 2—42)

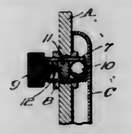
A hospital brassière comprising a back portion and a pair of front portions connected to the back portion by lacings so that the brassière is adjustable as to girth, the front portions having reinforced but pliable free margins free of attached fastening means and adapted to be adjustably lapped in front and pinned together by safety pins, each of said front portions including a pocket and an upwardly extending tab,

and shoulder straps extending upwardly from said back portion, the free ends of said straps



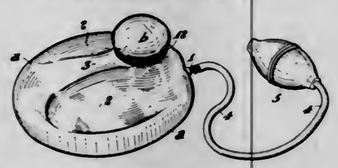
being adjustably disposable in lapped relation to said tabs at the front of the garment to be pinned to the tabs by safety pins.

2,249,297
ANTIBACKLASH DEVICE FOR FISHING REELS
Robert B. Muffett, Merchantville, N. J.
Application August 1, 1939, Serial No. 287,796
2 Claims. (Cl. 242—84.5)



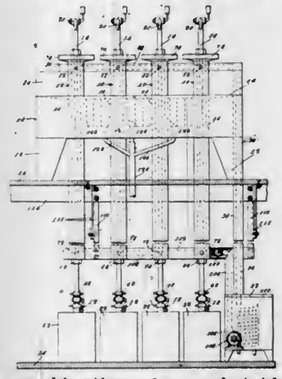
1. In a fishing reel, a flanged spool, a frame for the spool and having an opening in one side thereof, and an anti-back lash device comprising a tubular housing secured in and extending through the opening, a ball mounted for slidable movement in and through the inner end of the housing, resilient means within the housing for holding the ball in yielding frictional engagement with a flange of the spool, a disk of yieldable material between the ball and the resilient means, and a cap threaded on the housing and engaged with the resilient means for varying the pressure of the ball against the spool.

2,249,298
THERAPEUTIC CHAIR FOR HEMORRHOIDS
Luis Pedro Ratti, Buenos Aires, Argentina
Application October 14, 1938, Serial No. 235,066
In Brazil October 28, 1937
2 Claims. (Cl. 128—24)



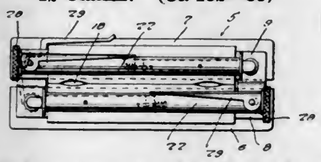
1. Apparatus for treating hemorrhoids comprising, a hollow base member having depressions in the upper surface thereof for receiving the gluteus muscles of a patient, a ridge carried by the upper surface of the base member between said depressions, said base member having an opening therein adjacent said ridge, a hollow closed elastic bulb member connected to said base member within said opening, said bulb member having a substantially spherical top surface for engaging the patient adjacent the anus, and means for supplying fluid pressure to the interior of said base member.

2,249,299
COOLER AND WORK TABLE UNIT
Victor Rocco, Newburgh, N. Y.
Application October 3, 1938, Serial No. 233,076
2 Claims. (Cl. 225—1)



1. The combination of a work table, a splash board extending upwardly from the work table along one side thereof, a plurality of beverage dispensing columns extending vertically through said work table adjacent said splash board, a tap connected with the upper end of each dispensing column, said work table having a horizontal work surface located beneath the taps and extending laterally of the dispensing columns in all directions, a cooling liquid circulating system including a horizontal header mounted on said splash board, said beverage dispensing columns each having a cooling liquid circulating chamber, and a pipe connection between each of said chambers and the header.

2,249,300
HAIR CURLER
Alice V. Scolas, Richland Center, and Edwin J. Jahnel, Coon Valley, Wis.
Application May 7, 1940, Serial No. 333,820
12 Claims. (Cl. 132—33)

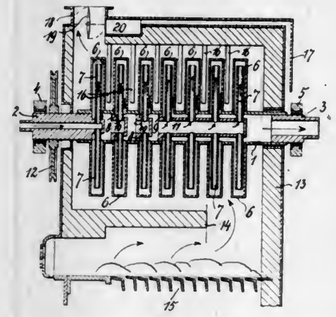


1. A hair curler comprising a scalp spacing member including a pair of pivoted sections, means for securing the sections in clamping relation with respect to a strand of hair, a rotatable hair-winding mandrel for each section and means for rotatably and swingably mounting the mandrels horizontally on the respective sections.

2,249,301
FLUE GAS HEAT EXCHANGER
Hans Simmon, Vienna, Austria
Application June 15, 1936, Serial No. 85,387
In Austria June 28, 1935
7 Claims. (Cl. 122—11)

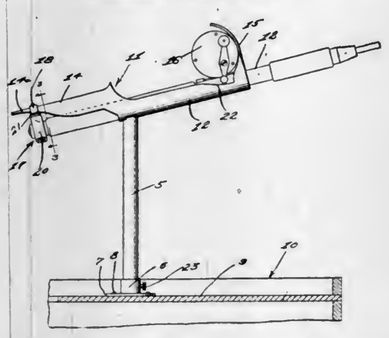
1. A rotary flue gas heat exchanger for the pre-heating of water, generating of steam, and superheating of steam, comprising in combination a chamber adapted to be interposed in the path of flow of flue gases from a furnace, a hollow shaft freely rotatable in the said chamber and

extending out clear of said chamber through opposite walls thereof, means for introducing a medium to be heated at one end of the said rotary hollow shaft and for discharging the heated medium at the other end thereof, heating tubes radially connected to the said hollow shaft and communicating with the outlet end thereof, the said tubes being closed at the outer end, hollow positioning means within the said hollow shaft communicating with the inlet end and closed off from the discharge end of the said shaft, open-ended admission pipes fitted with their inner ends in the said positioning means and severally extending, with clearance, into the said heating tubes to a point near the closed outer end of the



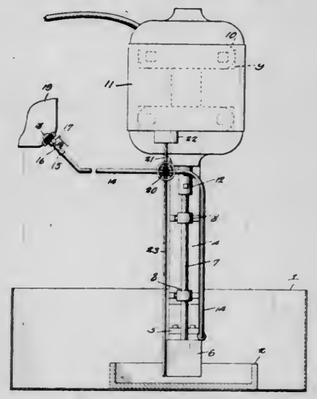
said tubes, means on the shaft for continuously rotating the assembly consisting of said shaft, heating tubes, positioning means, and admission pipes at high speed, independently of the operation of the said furnace, to exert centrifugal force upon said medium, the said positioning means for the first set of admission pipes consisting of a closed extension on the entry end of the said hollow shaft, and for the remaining sets of admission pipes of lengths of tube flanged to fit within the said hollow shaft at the end towards the entry end of the said shaft and closed at the other end, the said lengths of tube being associated partly with single sets of admission pipes and partly with a plurality of such sets.

2,249,302
FISHING ROD HOLDER
Henry J. Smith, Great Neck, N. Y.
Application August 20, 1940, Serial No. 353,414
2 Claims. (Cl. 248—42)



1. A fishing rod holder comprising an upright, a lateral elongated head having an intermediate part connected with the upper end of the upright, said head including an elongated channel-shaped part opening upwardly and extending from the upright to the forward end of the head, said channel-shaped part receiving a portion of a handle of a rod, an upwardly extending member at the forward end of the channel-shaped part forming a rest for a part of a reel attached to the rod, an inverted channel-shaped portion of elongated form extending rearwardly from the rear end of the first channel-shaped part, the junction of the two channel-shaped parts forming a circular portion for the passage of a part of the handle and spring jaws supported from the rear end of the inverted channel-shaped part and extending downwardly for engaging the free end of the handle.

2,249,303
INTERNAL MOTOR CLEANER
William R. Smith, Medicine Park, Okla.
Application July 5, 1940, Serial No. 344,167
1 Claim. (Cl. 184—1.5)

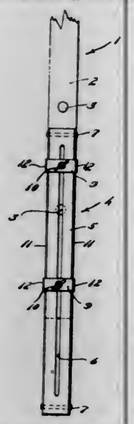


A cleaner for internal combustion engines and the like, comprising a receptacle affording a substantial supporting base, a motor disposed above the base, a standard retaining the motor in centralized relation to the base and having its lower end secured to the receptacle, a pump, a shaft connection between the motor and the pump, and outlet means for the pump: the cleaner being characterized by features which combine portability with a stable support by means of the base, in that the tank is shallow, provided with a top overflow, and of so limited a capacity that the tank and its maximum load will add a negligible weight-increment, the pump being disposed close to the bottom of the tank, and means independent of the shaft connection for supporting the pump in the position specified.

2,249,304
LADDER ATTACHMENT
William Martin Wilson, La Mesa, Calif.
Application October 8, 1940, Serial No. 360,332
1 Claim. (Cl. 228—63)

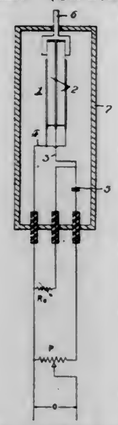
A ladder attachment comprising a foot adapted to be adjustably mounted on a style of a ladder, said foot comprising a bar having a slot therein and further including beveled corner portions, bolts mounted in the ladder style and extending through the slot, clamps on said bolts engageable with the bar, and nuts on the bolts for tightening the clamps on the bar, said clamps

including angularly extending end portions engageable with the beveled corners and adapted



to lie thereagainst for contracting the bar on the bolts.

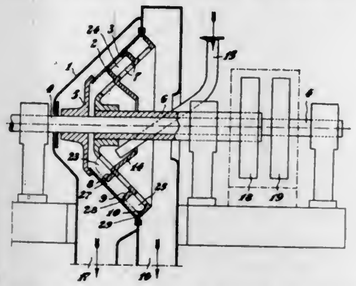
2,249,305
PIEZOELECTRIC CONVERSION SYSTEM
Hiroshi Ando, Tokyo-Shi, Japan
Application January 5, 1939, Serial No. 249,543
2 Claims. (Cl. 171—327)



1. A piezo-electric conversion system comprising, two Rochelle salt plates, an electrode between said plates, electrodes arranged along outer faces of the plates, means electrically connecting said outer electrodes, a relatively high resistor shunted across an outer electrode and the central electrode for dissipating static charges thereof, an output circuit extending from the central electrode and one of the outer electrodes, and a condenser arranged in series circuit relation in said output circuit beyond the resistor shunt.

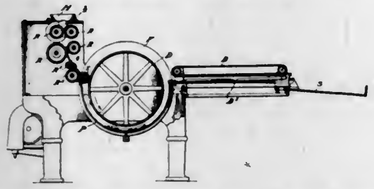
2,249,306
CENTRIFUGAL HYDROEXTRACTOR
Armand Bailly, Brussels, Belgium
Application January 10, 1938, Serial No. 184,304
In Belgium February 4, 1937
2 Claims. (Cl. 210—69)

1. A hydro-extractor including a revolving basket supporting a pervious wall of widening out shape, a rotary drum positioned within the basket, coaxially arranged drive shafts for the basket and for the drum, means for admitting the material to be squeezed into the portion of smallest diameter of the basket, means for operating said shafts, annular projections arranged in spaced relation upon the outer surface of the drum for opposing the travel of material along



the pervious wall under the action of centrifugal force, said projections having their outer edges extending to the neighborhood of the pervious wall and describing parallel circumferences during the rotation of the projections, angularly staggered gaps in said projections, and annular impervious zones in the pervious wall facing the outer edges of the annular projections.

2,249,307
DOUGH PROCESSING APPARATUS
Donald A. Battisté, Philadelphia, Pa.
Application September 5, 1940, Serial No. 355,536
12 Claims. (Cl. 107—9)

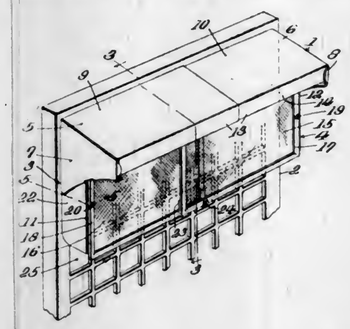


1. A cutting attachment for a dough working machine including a rotatable drum and a concentric arcuate pressure plate in spaced relation thereto, comprising a plate for removable attachment to the pressure plate, and successive series of angularly related knives carried by the plate for extension approximately midway into the space between the rotatable drum and the pressure plate.

2,249,308
AIR FILTERING AND SHIELD ATTACHMENT
Harry A. Bedol, Cleveland, Ohio
Application February 24, 1940, Serial No. 320,657
1 Claim. (Cl. 98—108)

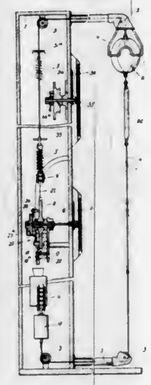
In an attachment for a hot air register, a shield comprising a pair of telescopically arranged members adapted to deflect warm air rising from a register, said members having side walls, a pair of angle brackets attached to and bracing said side walls, said angle brackets having ledges thereon, said angle brackets projecting beyond and constituting extensions of said side walls, a pair of air filtering members fixed at their outer ends to the ledges of said angle brackets, the inner ends of said filtering members arranged in sliding superimposed relationship to each other

for simultaneous movement with said first named members, inwardly extending flanges on the inner ends of said side walls for engagement with said register and said angle brackets serving to



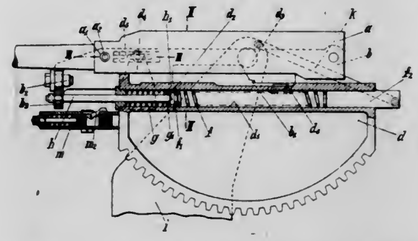
space the air filtering members from said flanges to provide a pocket between the top face of the register and the bottom face of the screen member.

2,249,309
PHYSICAL TRAINING APPLIANCE
Ivan Benkö, Vienna, Germany
Application May 17, 1938, Serial No. 208,506
In Austria August 14, 1937
7 Claims. (Cl. 265—22)



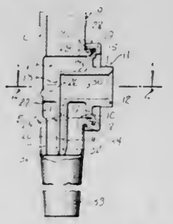
1. In a physical training appliance having a punching ball or the like held at two opposite points by a cord for free oscillation in various planes in response to blows, a ball cage for normally retaining the ball in inoperative position, coin controlled means operatively connected to said cord for releasing said ball, whereby the latter may be brought into operative position, a device for continuously registering the sum total of the effects of repeated blows struck to said ball, actuating means for said registering device operatively connected to said cord, for imparting to said registering device, a movement commensurate with the force of each blow delivered, irrespective of the directions the several blows are delivered, resilient means in operative relation with said ball and with said actuating means, whereby said resilient means is alternatively tensioned and relieved of tension upon the oscillations of said ball, and means for returning said ball to inoperative position in said ball cage.

2,249,310
GUN MOUNTING FOR MACHINE GUNS ADAPTED TO RECOIL
Richard Braun and Heinrich Herlach, Berlin-Frohnau, Germany, assignors to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application October 25, 1937, Serial No. 170,876
In Germany October 31, 1934
5 Claims. (Cl. 89—42)



1. An automatic gun and carriage in which it is recoilably mounted comprising means on the carriage for firing the gun during its forward run-out movement, a recoil and run-out spring and a buffer spring operative on said gun in opposite directions, means for retaining the gun under the tension of said run-out spring in a position rearward of normal forward position whereby the first shot of a series after release of the gun by said retaining means will be fired by said firing means under conditions of gun movement similar to those of succeeding shots of the series, and brake means operative upon the gun only during the first part of its forward run-out movement and including a member temporarily engaged by a recoiling part of the gun during the forward run thereof, and means for adjusting the range of such engagement.

2,249,311
EXTRUSION DEVICE
Edward C. Johnston and Arthur B. Webb, Milwaukee, Wis., assignors to Robert A. Johnston Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 11, 1940, Serial No. 323,338
23 Claims. (Cl. 107—1)



1. An extrusion device comprising: a main nozzle; a core forming nozzle extending into the main nozzle through a side wall thereof and having a discharge passage, the mouth of which is spaced from the walls of the main nozzle; and said core forming nozzle being composed of readily separable sections joined on a line of parting extending longitudinally along the length of the discharge passage so that upon separation of its sections unrestricted access may be had to its discharge passage for cleaning.

2,249,312

REACTION PRODUCTS OF SULPHUR CHLORIDE WITH OLEFINS AND PROCESSES FOR PRODUCING THE SAME

Richard H. Kimball, Lewiston, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application May 22, 1940, Serial No. 336,633
26 Claims. (Cl. 260—139)

1. The process for production of a relatively non-volatile, bland, stable, non-corrosive sulphur-containing composition, miscible with mineral lubricating oils, which comprises adding a chloride of sulphur to an olefin with agitation, at 30° to 100° C. and under non-polymerizing conditions, treating the resulting product with a solution of a compound having an alkaline reaction and which will form relatively stable compounds with sulphur and chlorine, in a solvent for said compound, separating said solvent and the by-products from the product and drying the product.

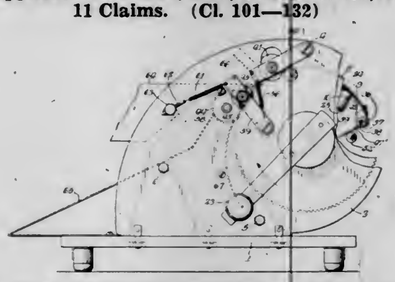
19. As a new composition of matter, a liquid, sulphur and chlorine containing, mineral oil miscible and relatively non-volatile, stable and non-corrosive reaction product of an olefin with a chloride of sulphur, stabilized by treatment with a compound having an alkaline reaction and which will form relatively stable compounds with sulphur and chlorine.

2,249,313

DUPLICATING MACHINE

Willis A. Kropp, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois

Application June 30, 1939, Serial No. 282,015
11 Claims. (Cl. 101—132)



1. In a duplicating machine, a rotary drum having an arcuate gap, a member pivotally mounted within said drum for rotation with said drum having a surface shaped and positioned to form substantially a continuation of the drum surface, a portion of said member serving as a margin stop for copy sheets and another portion serving as a deflector for copy sheets about to be stripped from the drum.

2,249,314

AZO COLORED COMPOSITION

Joseph W. Lang, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 31, 1940, Serial No. 316,516
7 Claims. (Cl. 134—58.5)

1. The process which comprises precipitating a mixture of alkali metal and alkaline earth metal salts of 2-hydroxy-naphthalene-1-azo-(3-methyl-4-chloro-benzene-6-sulfonic acid) in alkaline medium and modifying the precipitate by heating it to about 60° to 90° C. in the resulting medium until a product of uniform soft texture is produced which, upon separating from the medium and drying, is orange in shade and has higher tinting strength and softer texture than a dry mechanical mixture composed of the alkali metal salt of said monazo compound and the alkaline earth metal salt thereof which is of similar analytical composition.

2,249,315

HAIR CURLER

Costas N. Laskaris, New York, N. Y.

Application November 8, 1940, Serial No. 364,804
6 Claims. (Cl. 132—40)



1. In a hair curler, a tubular core upon which the hair is adapted to be wound, a clip pivoted to said core adjacent one end thereof for securing the ends of the hair between the clip and core, a peripheral flange fixed to the core at one end thereof and having its peripheral edge inturned, a peripheral flange telescopically fitting over the opposite end of the core and removable therefrom for withdrawing the core axially from the curl and having a beaded peripheral edge, a member rotatably mounted between said first named flange and the inturned peripheral edge thereof, and a spring clamp pivoted at one end to said rotatably mounted member and having latching engagement with the beaded edge of the opposite flange and rotatable circumferentially of the core for clamping engagement with the curl adjacent the head.

2,249,316

VAGINAL DIAPHRAGM

Willard V. Lay, Denver, Colo.

Application July 6, 1940, Serial No. 344,196
1 Claim. (Cl. 128—127)



In a vaginal diaphragm of the type having an annular rim and a circular flexible diaphragm secured around its periphery to said rim, means for preventing twisting and causing arcing of the orifice defined by said rim when the latter is subjected to side compression comprising a first annular coiled spring wound in one direction and imbedded in said rim about said orifice, and a second annular coiled spring of larger annular diameter than the first spring imbedded in said rim concentrically with said first spring, said second spring being wound in a spiral of opposite hand from said first spring.

2,249,317

POUR POINT DEPRESSANT

Eugene Lieber, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 14, 1938, Serial No. 219,157
6 Claims. (Cl. 260—505)

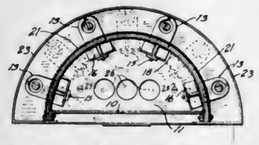
1. In the process of making pour point depressants which comprises subjecting reactive long chain aliphatic compounds having at least 10 carbon atoms to catalytic condensation and subsequent distillation up to about 600° F. to obtain a residual crude product having pour point depressing properties, the step comprising treating said crude pour point depressing product with sulfuric acid of at least 90% concentration, using below 250 grams of acid per liter of crude depressant, at a temperature between room temperature and 150° F., for about 2 to 4 hours, to increase the pour point depressing properties of said product, and distilling the treated condensation product up to about 600° F. to obtain a residue having superior pour point depressing properties.

2,249,318

FLUORESCENT LAMP FIXTURE

Andrew O. Locke, Denver, Colo., assignor to The Electron Corp., Denver, Colo., a corporation of Colorado

Application February 10, 1941, Serial No. 378,239
7 Claims. (Cl. 240—78)



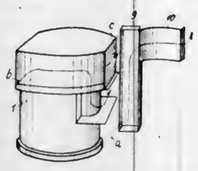
1. A lighting fixture for fluorescent tubes comprising: a back plate; an end plate secured to the back plate at each extremity thereof; an arch plate secured to the back plate immediately inside of each of the end plates, there being a receptacle slot between each end plate and its arch plate; means for securing fluorescent tube receptacle brackets in each of said slots; and a reflector plate extending between the opposite sides of the back plate and concealing the arch plates.

2,249,319

DEVICE FOR COOLING AIR-COOLED INTERNAL COMBUSTION ENGINES WITH THE CYLINDERS ARRANGED IN ROWS

Kurt Löhner, Munich, Germany, assignor to the firm: Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany

Application November 1, 1938, Serial No. 238,137
In Germany July 28, 1937
4 Claims. (Cl. 123—171)



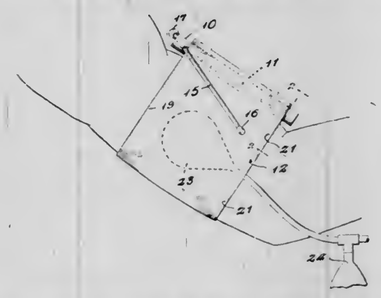
1. In an internal combustion engine of the class provided with rows of more than one cylinder each, said cylinders being each provided with a finned base portion, an enlarged finned head portion, and means for directing cooling air laterally against a row of cylinders, the combination of a first guide means on each cylinder head for guiding said directed air along one side of said head, and then downwardly and transversely through a portion of the space between the cylinder bases, and second guide means for conducting the cooling air flowing through the remaining portion of the space between the cylinder bases upwardly and forwardly along the opposite side of the head of the next cylinder, whereby the air directed laterally between adjacent cylinder heads is utilized entirely for cooling these cylinder head sides.

2,249,320

SPHYGMOMANOMETER

Edward Charles McGehee, Ashland, Ky.

Application August 13, 1940, Serial No. 352,464
5 Claims. (Cl. 128—2.05)



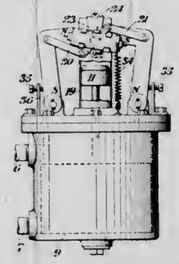
1. In a device of the character described, a roll having a longitudinally extended slot stopping short of respective ends, an endless band within the slot adapted to encircle a limb of a patient, one end of said roll having a diagonal bore extended inwardly over the slot, a rod slidable through the slot to lie inwardly over the roll for securement of the band wrapped upon the roll and said rod being slidable outwardly from the roll to release said band.

2,249,321

LIQUID LEVEL APPARATUS

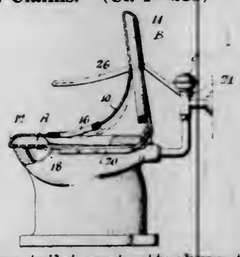
Carl McDermott, Freehold, N. J.

Application August 7, 1939, Serial No. 288,822
10 Claims. (Cl. 200—84)



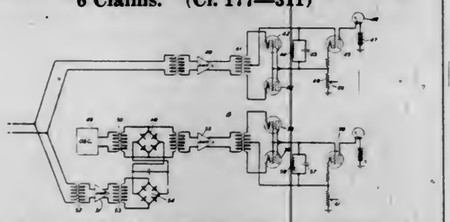
1. In liquid level apparatus, the combination of movably mounted permanent bar magnets having angularly extending pole pieces in opposed magnetically cooperative relation, a float actuated armature element movable into position between the angularly extending pole pieces of said magnets to effect magnetic coaction between the same and switch means jointly actuated by movement of said magnets effectuated through said magnetic coaction, said permanent magnets being arranged in upstanding relation pivotally mounted at their lower ends and with the angularly extending pole pieces at their upper ends and projecting toward each other and of opposite polarity and connections extending from said two pivotally mounted magnets for jointly effecting the actuation of said switch means.

2,249,322
TOILET SEAT
Irene C. McQuaid, New York, N. Y.
Application April 5, 1940, Serial No. 327,942
7 Claims. (Cl. 4—239)



1. A sanitary toilet seat attachment, particularly for infants, comprising a sheet of soft material having an opening therein substantially smaller than the toilet seat opening and formed with pockets on its underside at either end, one pocket being adapted to fit over the forward end of the toilet seat and the other over the top of the toilet seat lid whereby the central portion of the attachment is suspended between said pocketed ends..

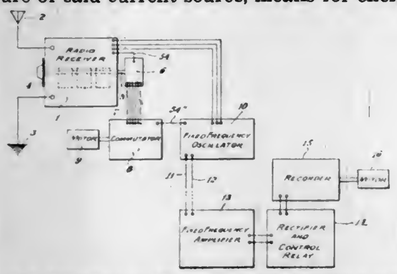
2,249,323
TESTING APPARATUS
Doren Mitchell, Bound Brook, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y., a corporation of New York
Application August 11, 1937, Serial No. 158,504
6 Claims. (Cl. 177—311)



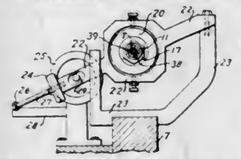
1. A method of monitoring the operation of a communication channel while there is being transmitted thereover alternating signaling current, the amplitude of which varies between a lower and an upper limit under normal conditions and beyond said limits under abnormal conditions, which method comprises producing a plurality of unidirectional currents having amplitudes controlled in accordance with the amplitudes of said signaling current and having lower and upper normal limiting values, and producing a certain indication in response to one of said unidirectional currents when its amplitude is greater than its normal upper limit only, and producing an indication in response to the other of said unidirectional currents which is distinguishable from said first indication when its amplitude is greater than its normal upper limit only.

2,249,324
MULTIPLE RECORDER
John T. Potter, Brooklyn, N. Y.
Application August 26, 1938, Serial No. 226,909
2 Claims. (Cl. 234—67)

1. In a recorder adapted to record the operation of a plurality of tunable carrier wave receivers and the operation at any one of a plurality of predetermined tuning points, the combination of, a plurality of similar commutators each including a number of fixed contactor segments and a rotatable contactor, a non-self-starting synchronous motor connected to a source of alternating current for driving each of said rotatable contactors at the same rate of rotation but at a differing instantaneous position with respect to said segments and for preventing further operation of said commutator upon temporary failure of said current source, means for energizing one segment of each commutator thru means energizing a tunable carrier wave receiver associated with each of said commutators, an adjustable multi-point selector switch associated with each of said receivers for energizing other of said segments of said associated commutators at predetermined tuning points of said receivers, means for generating electrical impulses from said energized commutator segments, and means for recording said impulses.



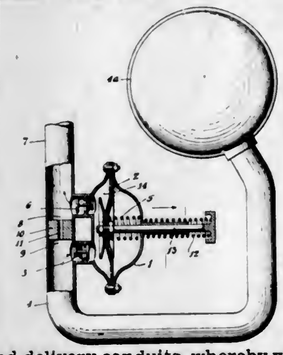
2,249,325
APPARATUS FOR FORMING TUBULAR ELEMENTS
Anton A. Pruckner, Norristown, Pa., assignor to Superior Tube Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 15, 1938, Serial No. 224,928. Divided and this application September 26, 1939, Serial No. 296,576
8 Claims. (Cl. 29—66)



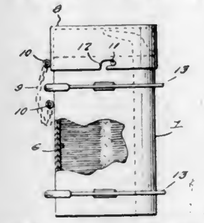
1. A machine for making tubular elements from thin-walled metal tubing comprising a rotatable member for holding a piece of tubing to effect rotation thereof, a scoring knife rotatable about an axis substantially parallel to the axis of rotation of said member, means for biasing said knife toward engagement with the tubing, means operable to permit said biasing means to move said knife toward and into contact with the tubing for rotation thereby during scoring and to limit the movement of said knife, and means for striking the tubing beyond the scoring to sever a section thereof.

2,249,326
FUEL TRANSFER PUMP
Karl Rabe, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application February 8, 1938, Serial No. 189,286
In Germany February 16, 1937
6 Claims. (Cl. 103—203)

1. In a pumping system, in combination, a liquid supply container, a pump located lower than said liquid container and having a pump chamber, an intake conduit connecting said liquid container with said pump chamber, an intake valve intermediate said intake conduit and said pump chamber, a delivery conduit, a delivery valve intermediate said delivery conduit and said pump chamber and an air vent connecting said intake and delivery conduits, whereby when liquid is introduced into said container any air entrapped in said intake conduit may escape into said delivery conduit so as to permit the liquid to reach and prime said pump, said vent being of such dimensions that only a negligible quantity of liquid will pass therethrough from the delivery conduit to the intake conduit when the pump is operating to pump liquid.



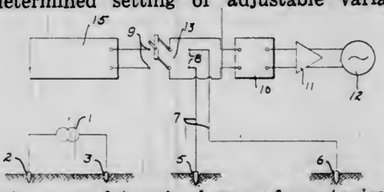
2,249,327
FLY DRESSING APPLIER
Maximillian A. Rairigh, Oil City, Pa.
Application June 10, 1940, Serial No. 339,817
5 Claims. (Cl. 43—4)



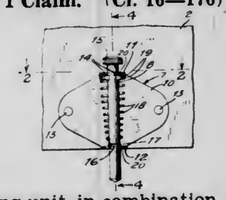
1. In a device for applying dressing to a fishing fly on a leader, a cylindrical casing open at both ends and longitudinally split along one side for the entrance of the leader into the casing, and a lining in said casing of fibrous material extending around the casing from each side of the split and with the fibers extending inwardly toward the center of the casing to form a brush-like medium through which the leader and fly may be drawn, said lining being adapted to be saturated with fly dressing.

2,249,328
CALIBRATION MEANS
Esme E. Rosaire, Houston, Tex.
Application August 25, 1938, Serial No. 226,761
1 Claim. (Cl. 175—182)

In a geo-electric prospecting system a generator adapted to cause electrical impulses to flow in the earth, a pair of spaced electrodes adapted to pick up voltages due to said impulses, an indicator electrically connected with said electrodes capable of exhibiting the wave shape of the potentials due to said impulses, and an electrical network capable of producing, by a predetermined setting of adjustable variables therein, a predetermined wave form typical of those received by the electrodes, and means for connecting said network to said indicator alternatively with said electrodes.



2,249,329
BEARING UNIT
Heyman Rosenberg, New York, N. Y.
Application August 29, 1939, Serial No. 292,401
1 Claim. (Cl. 16—176)

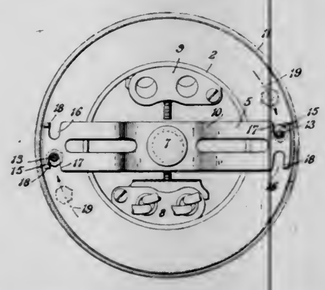


In a bearing unit, in combination, an attaching and supporting plate having opposed inner and outer bearing members formed with aligned openings, a retractible bearing pin slidingly and rotatively mounted in the openings of the bearing members, and a compression coil spring disposed between the bearing members and surrounding the pin for projecting the pin outward, said pin being formed with a circumferentially extending groove, and said spring having the outermost turn thereof of smaller diameter than the other turns and lodged in the groove, but of large enough diameter to project partially beyond the circumference of the pin to form an abutment for engaging the outer bearing member to limit outward movement of the pin.

2,249,330
LEAD SULPHATE
Alexander Stewart, Roselle, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 6, 1937, Serial No. 178,349
13 Claims. (Cl. 23—127)

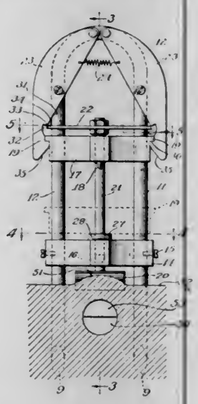
2. The process of making basic lead sulphate of high pigmentary value which comprises preparing a slurry of lead oxide containing a sulphation-promoting catalyst, subjecting the slurry to agitation and a temperature of not substantially less than 60° C. nor more than 95° C., admitting sulphuric acid thereinto in such amount and rate that the solid phase becomes substantially wholly converted into and constituted of tribasic lead sulphate, then feeding further sulphuric acid until such solid phase becomes substantially wholly converted into and constituted of monobasic lead sulphate, thereafter continuing said acid feeding under agitation and heat, and ceasing this feeding when more than about 20% and less than about 60% of normal lead sulphate has been produced in said solid phase.

2,249,331
ELECTRICAL FIXTURE SUPPORT
Morris Sachs, New York, N. Y.
Application May 23, 1940, Serial No. 336,690
4 Claims. (Cl. 248—343)



1. A device of the character described comprising, a hanger bar for the reception of the base of a lighting fixture, means for attaching said hanger bar to an outlet box, the hanger bar having open-ended slots adjacent to its opposite ends, a lighting fixture base provided with holes, bolts extending through said holes and entering the slots, nuts on the bolts and means on the hanger bar adjacent to the slots therein for engaging against the nuts and holding the same against rotative movement when the bolts are rotated to tighten the nuts thereon against the hanger bar.

2,249,332
GAME TRAP
Clyde Smith, Hopkinsville, Ky.
Application October 16, 1939, Serial No. 299,631
10 Claims. (Cl. 43—84)



1. In a mole trap, a projectile emitter, a cartridge and projectile for said emitter, slidable gravity-operated firing means for said cartridge, vertical slide rods for said firing means, a pair of latches for restraining said firing means, and trigger means comprising in part a mole detector positioned above the mole track and in part latch operating means for operating both latches of said pair to release said firing means in response to movement of said detector by a mole, said emitter being directed toward said mole track.

2,249,333
LUBRICANT
William Alvah Smith, Hamburg, N. Y.
No Drawing. Application May 10, 1938, Serial No. 207,071
11 Claims. (Cl. 252—51)

2. The method of increasing a lubricating characteristic of an oil without material thickening thereof, which comprises bringing said oil while substantially above room temperature into intimate contact with air for a period of time dependent upon the temperature of the oil and the efficiency of the intimate contact of the air with the oil, and until samples thereof at successive intervals during the heating, when tested on a lubricant tester, show that approximately maximum film strength has been obtained, and before material thickening of the oil occurs, and then immediately cooling the oil.

2,249,334
AZO DYES
Chiles E. Sparks and Stewart C. Hussey, Wilmington, Del., William B. Reynolds, Elmhurst, N. Y., and Swanie S. Rossander, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application June 4, 1938, Serial No. 211,798. Divided and this application June 12, 1940, Serial No. 340,122
9 Claims. (Cl. 260—166)

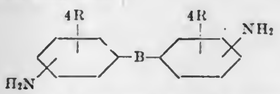
1. The compounds of the class consisting of

A←Y←X→Y→A

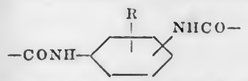
and

A←Y←X→Y→A) formaldehyde

in which A is resorcin, Y is an amino-naphtholsulfonic acid and X is



and B is one of a group of radicals consisting of —CONH—, —NHCONH—, —NHCSNH—,

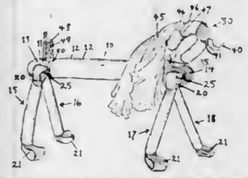


—CONH(CH₂)$_m$NHCO—, NH, S, O, (CH₂)$_m$, —HC=CH—, and



where m is 1 or 2 and R is one or more of a group consisting of hydrogen, alkyl, aryl, aralkyl, halogen, alkoxy, nitro, sulfonic, carboxylic, and CN.

2,249,335
TOY
Ruth Turner, Arlington, Va.
Application July 24, 1940, Serial No. 347,097
5 Claims. (Cl. 46—162)



1. A toy having a body member and leg members, each of said members consisting of a prewound hank of continuous rope, each hank having loops of rope at each end, said leg members being secured to an end loop of the body member.

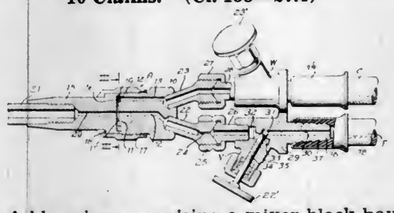
2,249,336
METHOD FOR PRODUCING ALLOYS
Marvin J. Udy, Niagara Falls, N. Y.
No Drawing. Application August 3, 1940, Serial No. 351,127
4 Claims. (Cl. 75—127)

3. In a method of producing a ferrous metal alloy containing chromium in which molten ferrous metal to which the chromium is to be added is contacted with a reaction mixture capable upon ignition of reacting exothermically to produce molten metallic chromium and molten slag, the improvement which comprises placing the reaction mixture in a suitable receptacle, pouring the molten ferrous metal into the receptacle into contact with the reaction mixture and producing by igniting the reaction mixture a molten bath comprising molten metal beneath a layer of molten slag, and controlling the pouring to produce a gently boiling mass of molten metal beneath the layer of molten slag produced upon ignition of the reaction mixture without causing substantial rupturing of the layer of molten slag

2,249,337
PROCESS FOR THE TREATMENT OF HYDROCARBONS
Gerardus Hendricus Visser and Willem Frederik Engel, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 30, 1939, Serial No. 306,882. In the Netherlands September 15, 1938
10 Claims. (Cl. 196—50)

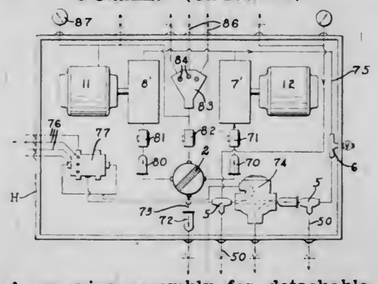
8. A process for improving hydrocarbon distillates which comprises the step of passing vapors of a hydrocarbon fraction distilling within the gasoline boiling range together with hydrogen of a partial pressure between 2 and 6 atmospheres at a temperature exceeding 500° C. over a solid catalyst comprising chromium oxide and aluminum oxide in a molecular ratio from 90:10 to 60:40 and an alkali metal compound in an amount corresponding to from 2 to 30 atoms of alkali metal per each 100 molecules of said mixed oxides.

2,249,338
BLOWPIPE
Lloyd W. Young, Scotch Plains, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application December 31, 1937, Serial No. 182,840
10 Claims. (Cl. 158—27.4)



1. A blowpipe comprising a mixer block having a plane forward end, a substantially axial gas passage therethrough, and an eccentric gas passage terminating in an annular groove in the forward end of said block surrounding the end of the central passage therein.

2,249,339
DETACHABLY CONNECTED PUMPING ASSEMBLY FOR AIRCRAFT
Edward C. Wells and Wellwood E. Beall, Seattle, Wash., assignors, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application July 19, 1938, Serial No. 220,033
8 Claims. (Cl. 137—78)



1. A pumping assembly for detachable connection with a distributing system, comprising a support, means to create a pressure differential, distributing head means, inter connecting means associated with said differential pressure creating means and said distributing head means, said interconnecting means including valve means to control the flow through said differential pressure creating means, and conduit means from the distributing head means terminating at the confines of said support in disconnectible couplings, all of said means being carried on said support.

2,249,340
METHOD OF DECREASING METAL CORROSION
Carroll J. Wilson, Hillside, and Charles E. Morrell, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 3, 1938, Serial No. 243,764
10 Claims. (Cl. 252—52)

1. The method of decreasing the corrosion of a metal in contact with a lubricant which comprises adding to the lubricant a small amount of a stable oil-soluble organic peroxide inhibitor.

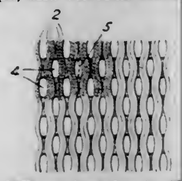
2,249,341
SEPARATION OF GERMANIUM
Clarence Zischkau, Woodbridge, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 12, 1940, Serial No. 340,089
5 Claims. (Cl. 75—121)

1. The process for treating germanium-bearing material which comprises leaching the material to yield a germanium-bearing solution, incorporating tannic acid in said solution, and filtering the resulting mixture.

2,249,342
KNITTED FABRIC
Harry Aull, Philadelphia, Pa., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 27, 1938, Serial No. 231,851
12 Claims. (Cl. 66—195)

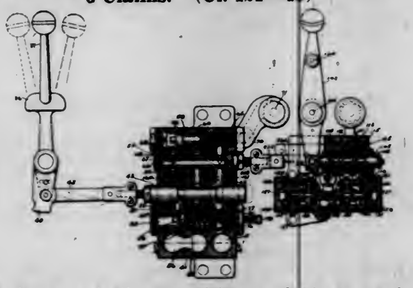
10. An openwork knitted fabric comprising a

plurality of sets of threads, said threads being concatenated to form chains running lengthwise of the fabric, said threads being interknitted within groups, each of which groups comprises a plurality of threads of every set, in transverse zones of the fabric without interknitting of threads of different groups leaving openings of substantial lengthwise extent in said fabric between the groups, the various threads of each set



being knit into different wales in the same course in each of said groups, the openings in successive transverse zones being staggered relative to each other, and said groups of threads being laterally spaced to produce substantial widths of the openings between the groups, the knitting in each of said groups being compacted laterally of the fabric, and forming wavy ribs of substantial width running lengthwise of the fabric and forming curved boundaries for said openings.

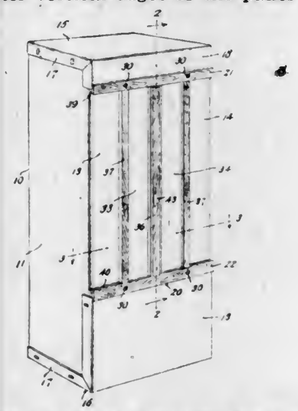
2,249,343
REVERSING MECHANISM
Harold E. Balsiger, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Application April 21, 1937, Serial No. 138,245
3 Claims. (Cl. 121—45)



1. In a grinding machine, a bed, a carriage slidably mounted on said bed, a hydraulic motor for moving said carriage, a reversing valve for controlling the direction of movement of said carriage, means for shifting said valve comprising a pair of oppositely disposed piston elements, a cylinder for each of said elements, a reduced portion on each of said elements, a corresponding reduced portion in each cylinder, means for supplying fluid under pressure alternately to each of said reduced portions, comprising a pilot valve, means for controlling the rate of movement of said reversing valve and shifting means comprising a reservoir, a supply of fluid therein, connections between said reservoir and the larger cylinders, outlet passages in each of said cylinders, and a throttle valve in each of said passages.

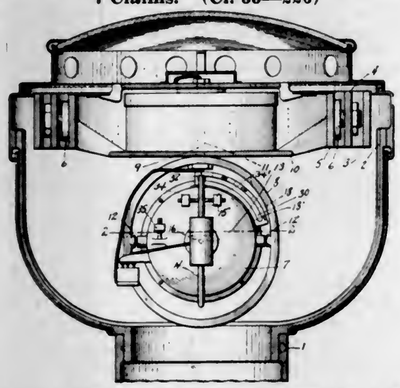
2,249,344
STORAGE RECEPTACLE
Irving Blechman, Bronx, N. Y.
Application March 19, 1940, Serial No. 324,751
2 Claims. (Cl. 312—141)

2. In a storage receptacle, a body section having inwardly directed oppositely disposed front wall portions, upper and lower end sections each having an inwardly directed front wall portion which overlies the front wall portions of the body section, a frame structure securing said inwardly directed front wall portions together and providing a door opening, said frame structure including vertical and transverse strips secured over the free edges of the inwardly directed front wall portions of the body and end sections respectively, said vertical and transverse strips being notched for interfitted engagement and said transverse strips having their confronting edges grooved to provide horizontal door guides, and a pair of door sections each including a panel and vertically extending strips secured over the free inner and outer vertical edges of the panel and



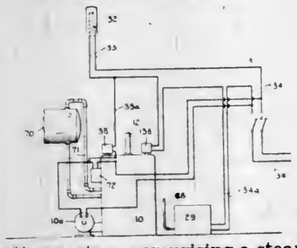
projecting inwardly beyond the inner face thereof and adapted to respectively engage with the inner and outer side edges of a vertically extending strip of the said frame for limiting the opening of the door sections and for sealing the outer edges thereof when in closed relation, and said vertically extending strips of the door sections being notched at their opposite ends to provide outwardly projecting tongues corresponding in thickness to and aligning with the upper and lower edges respectively of the panels for transverse guided sliding movement of the panels and strips in the guide grooves as the door sections are opened and closed.

2,249,345
GYRO COMPASS
Frederick D. Braddon, Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 13, 1940, Serial No. 323,654
7 Claims. (Cl. 33—226)



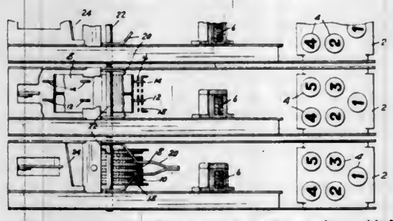
1. In a liquid controlled gyro compass, a sensitive element including a gyro rotor and case, interconnected liquid containers situated N—S of said element and connected thereto to impart gravitational control on tilt of said element, and means mounting said container for tilting relative to the case about a N—S axis to vary the free surface of the liquid for maintaining the period constant in different latitudes.

2,249,346
STEAM HEATING SYSTEM AND CONTROL MEANS THEREFOR
Edward S. Cornell, Jr., Larchmont, N. Y.
Application October 11, 1938, Serial No. 234,502
6 Claims. (Cl. 237—9)



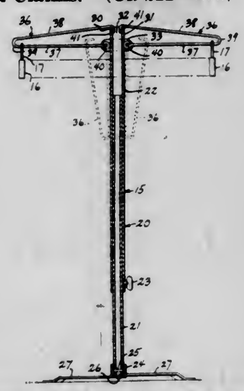
5. A heating system, comprising a steam boiler, controllable fuel combustion means therefor, heat exchanger means arranged to be supplied with steam from said boiler, fan means operatively associated with said heat exchanger means, controllable means for starting and stopping said fan means, means responsive to the pressure of steam within said boiler and operatively associated with said fuel combustion means to establish an upper limit of steam pressure within said boiler, thermostat means responsive to the temperature of air in an enclosure served by said heat exchanger means and operatively associated with said fan means and with said fuel combustion means to control the periods of operation thereof, means responsive to the pressure of steam within said boiler and operatively associated with said fan means to delay the operation thereof until a desired steam pressure has been attained, and means responsive to the temperature of water within said boiler and operatively associated with said fuel combustion means to assume control thereof under conditions wherein the thermostat in said enclosure is satisfied and to maintain a temperature of water within said boiler approaching but not attaining the boiling temperature thereof.

2,249,347
TICKET ISSUING MACHINE
Robert Hosken Damon, Chicago, Ill., assignor to General Register Corporation, New York, N. Y., a corporation of Pennsylvania
Application January 4, 1940, Serial No. 312,335
5 Claims. (Cl. 271—2.3)



1. Means for feeding and dispensing tickets of various denominations comprising a plurality of assembled ticket issuing units, and a feeding drum in each unit, each drum being provided on its periphery with a distinctive ticket feeding engaging means whereby each drum is adapted to feed properly only tickets of a particular series prepared to cooperate with that drum.

2,249,348
FOLDING CLOTHES STAND
Henry J. Dery, Sanborn, N. Dak.
Application April 29, 1940, Serial No. 332,335
2 Claims. (Cl. 211—178)



1. In a support for clothes hangers and the like, a tubular standard having an annular upper end portion, pivot means carried by the standard below said upper end portion, a plurality of brackets, and each formed of a length of resilient wire having an acute angular bend intermediate its ends and forming an upper section, a lower section and a bight portion between the upper section and the lower section, said lower section at its end being mounted on said pivot means for vertical swinging movement between substantially horizontal and vertical positions, said upper section at its end terminating in a laterally offset hook for releasable engagement within the annular upper end of the standard upon disposition of said lower section in a substantially horizontal position whereby to form a support for a series of clothes hangers and whereby, upon release of said hook, said bracket will be supported from said pivot means in a compact pendant position wherein said lower section is substantially vertically disposed in close proximity to the standard and with the upper section in closely spaced relation thereto so that clothes hangers may be supported from said bight portion in an out-of-the-way position alongside the standard.

2,249,349
METHOD OF HOT WORKING AN ALUMINUM BASE ALLOY AND PRODUCT THEREOF
Harry J. Deutsch, Royal Oak, Mich., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 23, 1939, Serial No. 291,539
10 Claims. (Cl. 148—11.5)

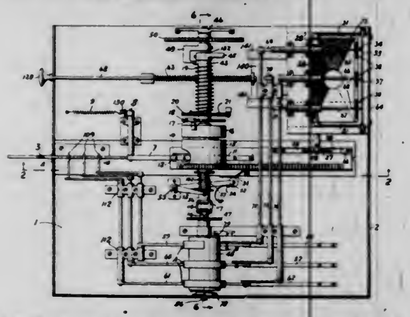
1. The method of hot working an aluminum base alloy body which contains at least one eutectic-forming, solid solution-forming constituent in sufficient amount to produce a precipitation hardening alloy and at least one insoluble high melting point constituent, said method comprising forming a body of said alloy, heating said body

for more than ½ hour at a temperature not less than 1000° F. and not over 1200° F., said tem-



perature being also above the fusing point of the most easily fusible constituent of said alloy, and thereafter hot working said body of alloy.

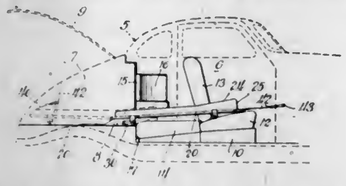
2,249,350
PARKING-TIME METER
Francis I. du Pont, Wilmington, Del., assignor to Delaware Chemical Engineering Company, Wilmington, Del., a corporation of Delaware
Application April 14, 1939, Serial No. 267,844
21 Claims. (Cl. 194—78)



16. In a parking time meter an element adapted to be fixedly located at a locus for parking comprising a guideway for the reception of a key, a movable carriage in the path of a key entering the guideway, tension means operative on the carriage and tending to resist movement thereof when a key is entered in the guideway, a latch arranged to be positioned by a key when fully entered in the guideway to prevent movement of the carriage, said latch being arranged to be released by withdrawal of the key, a prime mover, locking means for locking a key fully entered in said guideway, means affording an operative connection between said prime mover and said locking means and adapted to be rendered operative only when the above mentioned latch is positioned to prevent movement of the carriage and coin controlled mechanism for releasing said locking means.

2,249,351
VEHICLE
William Howard Edwards, South Bend, Ind., assignor to Edwards Iron Works, Inc., South Bend, Ind., a corporation of Indiana
Application October 27, 1939, Serial No. 301,567
10 Claims. (Cl. 296—19)

1. In a vehicle having a rear deck, a front seat, a seat back therefor adapted to be tilted rearwardly to form a substantially horizontal continuation between said seat and deck, a stretcher frame having longitudinally spaced pairs of rollers carried by the side frames thereof, means secured to said deck near the forward edge thereof for receiving either pair of said rollers and locking the same against forward or



upward movement, and means at each end of said stretcher for pulling the same into a position to hold the remote pair of rollers in engagement in said locking means.

2,249,352
PREPARATION OF P-(N-PRIMARY ALIPHATIC AMINO) PHENOLS
Howard Montgomery Fitch, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1940, Serial No. 320,417
21 Claims. (Cl. 260—574)

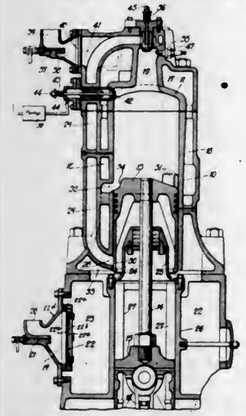
1. In the preparation of p-(N-primary aliphatic amino) phenols, the process which comprises reducing a member of the group consisting of p-nitrophenols and p-nitrosophenols in the presence of an aliphatic aldehyde, containing at least 3 carbon atoms, in an inert solvent, said nitrophenols and nitrosophenols being of the benzene series.

2,249,353
METHOD OF WORKING ALUMINUM AND PRODUCT THEREOF
Thomas L. Fritzlen, West Lafayette, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 23, 1939, Serial No. 291,538
11 Claims. (Cl. 148—11.5)



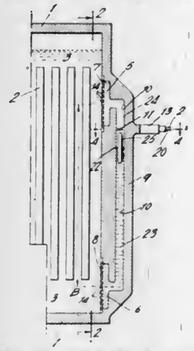
1. A thermal treatment for an ingot of an aluminum base alloy containing solid solution-forming elements which comprises heating said ingot, prior to working, at a temperature and for a time sufficient to effect solution of a material part of said solid solution-forming elements in the alloy, cooling the ingot at a relatively slow rate to cause precipitation of a substantial portion of said solid solution-forming elements from solution in the form of relatively large particles uniformly distributed throughout the alloy, said cooling being continued until the ingot reaches a temperature at which substantially no further structural change occurs in the alloy, and then reheating said ingot to a suitable extrusion temperature.

2,249,354
INTERNAL COMBUSTION ENGINE
Hewitt A. Gehres, Mount Vernon, Ohio, assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio
Application June 24, 1939, Serial No. 280,938
7 Claims. (Cl. 123—65)



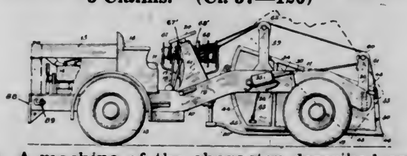
3. In a two-stroke cycle internal combustion engine, a cylinder, a reciprocating piston therein, valves for admitting fuel at two spaced points adjacent one end of the cylinder, means connected to one of said valves for supplying therethrough to the cylinder a stratum of a readily combustible fuel mixture, means connected to the other of said valves for supplying therethrough to the cylinder a stratum of a fuel mixture embodying a greater proportion of fuel, ports for admitting and exhausting scavenging air to and from the cylinder under control of the piston, means utilizing an external surface of said piston for providing a supply of air under pressure, a passage for conducting such air into said readily combustible mixture to form a part thereof, and an intake port for said passage adapted to be closed and opened by a portion of the piston spaced from the piston face.

2,249,355
SWITCH FOR ELECTRIC CURRENT
James L. Getaz, Maryville, Tenn.
Original application January 13, 1937, Serial No. 120,365. Divided and this application November 16, 1938, Serial No. 240,765
5 Claims. (Cl. 200—83)



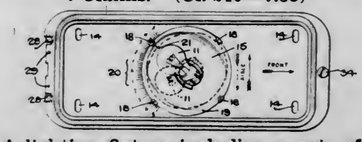
1. A device for opening and closing an electrical circuit which comprises, a container, electrical contacts within said container and connected to said circuit, flexible portions at different elevations in the wall of said container, means for connecting and disconnecting said contacts according to differences of pressure applied to said portions at said elevations.

2,249,356
SELF-LOADING DUMP TRUCK
Harvey J. Goodman, Lakeside, Calif.
Application March 4, 1940, Serial No. 322,245
3 Claims. (Cl. 37—126)



1. A machine of the character described comprising a wheeled frame substantially U-shaped and open at the front end, a load receiving body set between the side members of the frame having an open forward end, and pivoted at its front end on the front ends of the frame, said pivot including a vertically movable connection with the frame, means to hoist and lower the front end of the body at will, separate means to independently hoist and lower the rear end of the body at will, said frame including a wheel at each side of the open front end, and means to move the forward ends of the frame vertically with respect to the axes of the last named wheels.

2,249,357
VEHICLE LIGHTING FIXTURE
Herbert J. Graham, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 12, 1939, Serial No. 273,166
7 Claims. (Cl. 240—7.35)

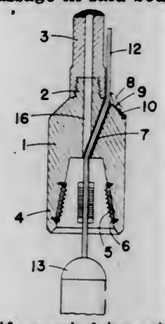


1. A lighting fixture including a pair of complementally formed members which cooperate to provide a housing for a lamp, one of said members being opaque and constituting the support for said fixture and the other of said members being fitted with a light transmissible window said opaque member having an opening therein, a reflector having an annular flange disposed flatwise against the marginal edge of the opening in said opaque member whereby said reflector is secured to and forms part of said opaque member, said reflector carrying in fixed relation therewith a lamp socket and being adjustable angularly about the axis of said opening, and indexing means on said opaque member and said reflector for positioning said reflector in accordance with a predeterminedly established setting.

2,249,358
FISHING TOOL
Cecil J. Haynes, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1939, Serial No. 311,801
10 Claims. (Cl. 255—34)

1. A fishing tool for an object suspended on a

cable comprising a body provided with milling jaws adapted to cut a thread on the upper end of said object, a passage in said body to receive the



cable, and a knife carried by said body for cutting said cable preliminarily to the threading operation.

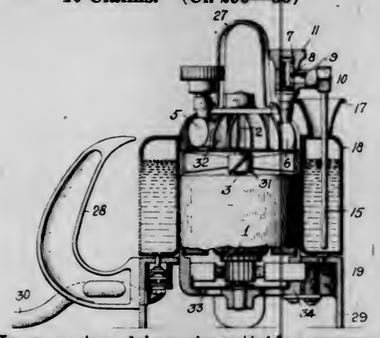
2,249,359

INSECTICIDE SPRAYING DEVICE

George Hettinger, East Rutherford, N. J., assignor to Du-La Manufacturing Company, a corporation of New York

Application July 20, 1938, Serial No. 220,179

10 Claims. (Cl. 299—88)



1. In a motor driven insecticide sprayer, an electric motor-pump having a cylindrical shell, a base therefor, supporting said shell in a vertical position, a separable annular container for the insecticide having spaced inner and outer walls, the former being adapted to closely fit over said shell, said container resting on said base and enclosing the greater portion of said motor, and an aspirating head having an air connection with said pump and a tube removably extending within said container.

2,249,360

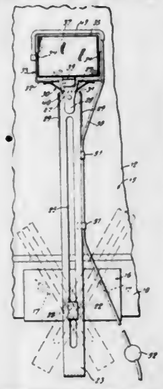
WINDOW CLEANING DEVICE

Martin Ilman, Edgemere, N. Y.

Application November 20, 1940, Serial No. 366,331

6 Claims. (Cl. 15—220)

1. A window cleaning device comprising a clamp having means for securing the same to a window sash, the jaws of said clamp extending vertically along opposite sides of said sash, axially aligned pivoted members secured to said jaws, each of said members having opposed parallel grooves in their longitudinal edges, a yoke having longitudinally slotted arms extending above said sash on opposite sides of the window glass, the opposed edges of the slot in each of said arms registering slidably in said grooves of said member on the same side of the glass as said arm, substantially U-shaped frames pivotally mounted on the extremities of said arms, cleaner units pivotally mounted in said U-shaped



frames, and resilient means on one of said arms engaging said frame on said arm for normally positioning said frame in axial alignment with said arm and for restoring said frame to said position.

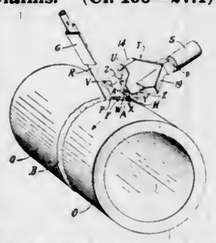
2,249,361

WELDING TIP

Harry V. Inskeep, Fanwood, N. J., assignor to Oxweld Acetylene Company, a corporation of West Virginia

Application September 14, 1939, Serial No. 294,856

7 Claims. (Cl. 158—27.4)



1. A multi-flame welding tip of metal having: a gas inlet chamber, a central main welding flame gas passage, a plurality of spaced angularly related rod-preheating flame gas passages situated above said passage in a longitudinal vertical plane of said tip, a pair of auxiliary welding flame gas passages disposed at opposite sides of said plane in closely flanking relation to said passage, a pair of heat-damming flame gas passages disposed in widely flanking relation to said passage and having their gas outlet passages inclined inwardly, and a plurality of work-preheating gas passages disposed below said passage.

2,249,362

OPERATOR'S POSITION CIRCUIT

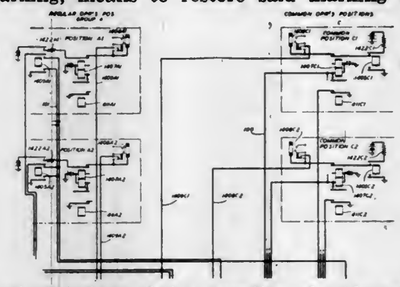
Frank S. Irvine, Greenlawn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 3, 1940, Serial No. 327,563

9 Claims. (Cl. 179—27)

1. In a telephone system, link circuits divided into groups, operators' positions individual to said groups, operators' positions common to said groups, means to associate one of said link circuits with one of said positions, means to mark

said positions available when occupied and idle, means responsive to the association of said link circuit with an available position to remove said marking, means to restore said marking at a



particular stage of the operation of said position equipment, and means individual to said common positions to delay the effect of said restoring means until a later stage of the operation of said comman position equipment.

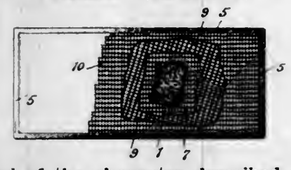
2,249,363

PAD

Herbert O. Johnson, West Orange, N. J., assignor to The Padcraft Corporation, New York, N. Y., a corporation of New York

Application March 19, 1940, Serial No. 324,769

5 Claims. (Cl. 38—66)



4. A pad of the character described comprising, a filling composed of a tangled mass of coiled metallic filaments, a wrapping enclosing said mass, said wrapping consisting of a foraminous material, parts of the wrapping extending beyond the edges of the filling on all sides thereof, said projecting parts of the wrapping being formed into a compacted and hardened projecting edging extending uninterruptedly around the entire edge of the pad and constituting a continuous self-maintaining edge reinforcement.

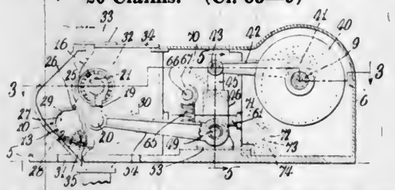
2,249,364

METHOD AND APPARATUS FOR SIZE REDUCTION

Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application August 29, 1936, Serial No. 98,549

20 Claims. (Cl. 83—9)



1. In combination, a milling chamber, means for effecting movement of said milling chamber to effect a milling operation therein, said milling chamber having means for supplying material thereto and means for discharging milled material therefrom as a substantially continuous process during operation, and means for automatically increasing chamber movement upon increase in the quantity of material therein and decreasing the chamber movement upon decrease in the quantity of material therein to effect a restoration of the material load in said chamber to a predetermined quantity upon deviation therefrom.

16. The method of precluding the choking of the movable size-reducing chamber of a continuously operating mill which comprises varying the linear rate of movement of such chamber automatically directly in accordance with variations in the quantity of material in said chamber.

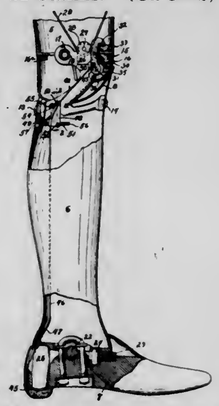
2,249,365

ARTIFICIAL LEG

Lemuel C. Sansbury, Arlington, Va., assignor, by mesne assignments, to Metal Limb Manufacturers, Inc., Washington, D. C., a corporation of Delaware

Application March 19, 1940, Serial No. 324,859

21 Claims. (Cl. 3—2)



21. An artificial leg comprising a calf portion, a thigh portion pivoted to the calf portion, and a foot portion pivoted to the calf portion, a latch constituting a locking connection between the thigh and calf portions and disposed to hold said portions in longitudinal alignment with each other until said latch is released, a connection between the foot portion and the latch for releasing the latch under movement of the foot portion said connection comprising a cable, a member engaging said cable for compounding the degree of movement of the latch with respect to the degree of movement of the foot, said member serving when moved bodily laterally of the cable to take up slack therein and an adjusting element accessible and operable from the exterior of the calf portion for imparting such bodily lateral movement to said member to thereby adjust the cable tension while the leg is being worn.

2,249,366

PRODUCTION OF ISOBUTANE

Adrianus Johannes van Peski and Gerardus Hendricus Visser, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 9, 1938, Serial No. 223,802. In the Netherlands August 18, 1937

2 Claims. (Cl. 260—676)

1. A process for the isomerization of normal

butane to isobutane which comprises contacting normal butane with an aluminum halide catalyst in the presence of at least three atmospheres pressure of a hydrogen halide at a temperature above about 60° C. but below 120° C. when vapor phase isomerization is carried out, with a contact time not exceeding twenty-four hours, said contact time being of short duration when the decomposition tendency of the hydrogen halide is pronounced under the operating conditions for longer periods, whereby degradation reactions are substantially obviated while the promoter action of the hydrogen halide is retained.

2,249,367

PRODUCTION OF SILVER CATALYSTS

Gerardus Hendricus Visser, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 11, 1938, Serial No. 218,635. In the Netherlands August 11, 1937

10 Claims. (Cl. 252—235)

2. A process for the production of a highly active silver metal catalyst which comprises reducing a silver compound in an aqueous solution of an alkaline metal hydroxide by means of nascent hydrogen generated in said solution by dissolving therein a metal of the group consisting of aluminum and zinc, separating the resulting silver metal from the reaction mixture, and drying the silver metal substantially out of contact with air whereby finely divided, substantially pure silver metal is obtained.

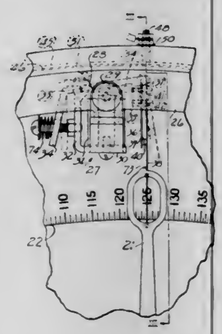
2,249,368

WEIGHING SCALE

Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application November 30, 1936, Serial No. 113,322

2 Claims. (Cl. 200—56)



1. In a device of the class described, in combination, an element connected to weighing mechanism and movable thereby along a definite path, a circuit controlling switch having a projecting member, electromagnetic means for holding said projecting member in the path of movement of said element, spring means for withdrawing said projecting member from the path of said element, whereby said switch deenergizes said electromagnetic means upon engagement of said element with said projecting member, and interference of said projecting member with movement of said element instantly is relieved.

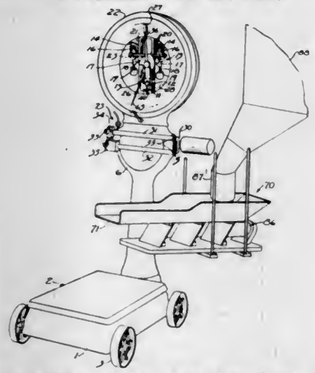
2,249,369

WEIGHING SCALE

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application December 2, 1936, Serial No. 113,775

3 Claims. (Cl. 200—56)



1. In a device of the class described, in combination, a condition responsive element movable along a predetermined path, an electric circuit controller, said electric circuit controller having a member projecting into the path of said element, an electric circuit adapted to be closed by engagement of said element with said member, and means activated by the closing of said circuit to instantly disengage said member and said element and withdraw said member from the path of movement of said element.

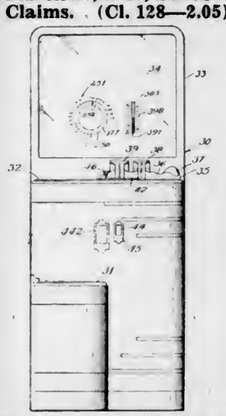
2,249,370

PULSE COUNT AND BLOOD PRESSURE APPARATUS

Bradlee W. Williams and Homer S. Williams, Chicago, Ill., assignors to Tech Equipment Company, Chicago, Ill., a corporation of Illinois

Application March 20, 1940, Serial No. 325,017

56 Claims. (Cl. 128—2.05)



1. In a device of the class described including means for sensing systolic and diastolic arterial pulses, a pulse rate indicating register, means for actuating said register in indicating operation, electrically operable means for effecting indicating movements of said register by said actuating means, and means under control of said sensing means for effecting operation of said last mentioned electrically operable means whereby to effect indicating movement of said register in response to the sensing of a systolic pulse by the sensing means, and means including an electrical supervisory circuit connected with said electrically operable means and operably controlled by said sensing means in response to diastolic pulses sensed thereby for preventing operation of said electrically operable means by the sensing means except in response to a systolic pulse following a diastolic pulse sensed thereby.

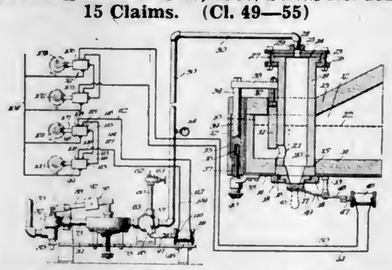
2,249,371

GLASS FEEDER

Samuel E. Winder, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application December 27, 1937, Serial No. 181,943

15 Claims. (Cl. 49—55)



9. Means for controlling the flow of molten glass from a supply body enclosed in a bell above a discharge orifice in the floor of a forehearth, comprising a single air line leading to said bell, a source of relatively high vacuum, a vacuum regulator between the source and line and valve means in the line between the regulator and the bell adapted alternately to establish connection between the line and regulator in one position and between the line and atmosphere in another position, said regulator comprising a chamber communicating with said line through said valve means when in the first mentioned position, a downwardly closing vacuum control valve between the chamber and the source of vacuum, a diaphragm in the bottom wall of said chamber movable upwardly under the influence of a partial vacuum therein, a pin connected to said diaphragm projecting through the upper wall of the casing, a lever connection between said pin and said vacuum control valve to close the latter downwardly upon upward movement of the diaphragm, means exerting a constant downward force on the lever and diaphragm and an upward force on said valve tending to open the latter, the force of said means being balanced and said valve being maintained closed by a predetermined partial vacuum working on the diaphragm in said chamber, said force serving to overbalance the diaphragm and open said vacuum control valve when the first mentioned valve means establishes communication between the line and chamber and thereby lowers the vacuum in the chamber, the opening of said vacuum control valve serving to raise the degree of vacuum in the chamber and line to said predetermined degree and to close the control valve.

2,249,372

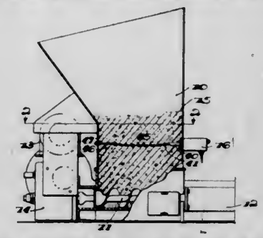
HOPPER FEED CONTROL AND SIGNAL

John A. Askenback, Westport, Conn.

Application July 5, 1940, Serial No. 344,186

10 Claims. (Cl. 198—64)

1. The combination with a hopper, a feeder for conveying material from said hopper, drive means for driving said feeder and means for controlling said drive means, of an elongated flexible member extending across the passage through said



hopper and suspended by its ends between opposite walls of said hopper and exposed to the weight of material above said feeder, and a connection from one end of said flexible member to said means for controlling said drive means.

2,249,373

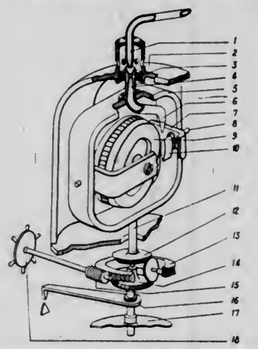
DIRECTIONAL GYROSCOPE

Robert Alkan, Paris, France

Application December 9, 1937, Serial No. 179,029

In France December 11, 1936

5 Claims. (Cl. 33—204)



1. An improved directional gyroscopic device comprising an azimuth direction keeping gyroscope, means adapted to be controlled by said gyroscope for indicating and/or controlling action, and means for adjusting said gyroscope controlled means relative to the gyroscope, said means comprising a differential gear mechanism inserted in the driving connection between the gyroscope and said gyroscope controlled means and continuously mechanically directly connecting said gyroscope to said controlled means whereby said latter means may be conveniently adjusted or reset in a quantitative manner relative to the gyroscope without disturbing the position of said gyroscope while maintaining uninterrupted positive driving connection between said gyroscope and its said controlled means.

2,249,374

SNOW VEHICLE

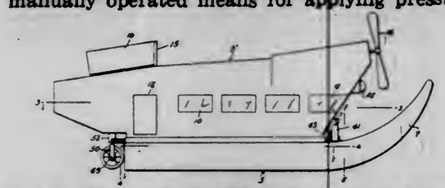
Clyde Davis, Long Lake, Wis.

Application July 5, 1939, Serial No. 282,937

3 Claims. (Cl. 180—3)

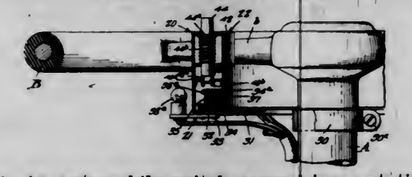
2. In a snow vehicle including a hollow runner body having a longitudinally extending and centrally arranged slot in its bottom, a vertically arranged plate having its lower part fitting in the slot, means for pivotally connecting the upper

front corner of the plate to the runner body and manually operated means for applying pressure



to the rear end of the plate for forcing a portion of the plate through the slot to prevent sideslip of the runner body.

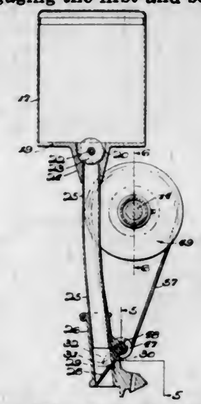
2,249,375
VEHICLE SIGNAL CONTROL DEVICE
Joseph F. Day, Royal Oak, Mich.
Application October 4, 1939, Serial No. 297,944
2 Claims. (Cl. 200—59)



1. An automobile switch comprising a stationary first set of switch elements comprising a first continuous segmental contact element suited for coaxial mounting on an automobile steering column, a discontinuous series of second segmental contact elements, radially spaced from and coaxially mounted adjacent said first element but electrically insulated therefrom and from each other, said first set of switch elements being outwardly flared at the tops thereof; a moving second set of switch elements mounted on the steering wheel engaging with and connecting the first set of switch elements but moving into disengaged position when the steering wheel is rotated for connecting said continuous segmental contact element with said discontinuous series of switch elements, said second set of switch elements comprising a series of buttons normally spring pressed in a direction away from said first set of switch elements, inverted V-shaped members formed of intrinsically resilient material, one mounted in each of said buttons, having inturned ends for gripping the outwardly flared tops of the first set of contact elements; and means for disengaging said members from said contact elements comprising a V-shaped plug slidable within each of said members for spreading same, said plug having projecting formations coacting with adjacent parts causing counter movement of said plug permitting return of the V-shaped members to normal condition.

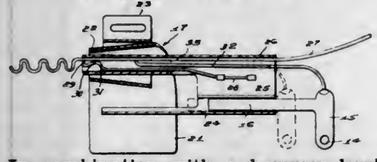
2,249,376
SEED PLANTER
William A. Dennis, Cameron, S. C.
Application May 27, 1940, Serial No. 337,539
9 Claims. (Cl. 111—34)

1. In a seed planter, a wheeled support, a seed hopper mounted upon the support, a boot and furrow forming means carried by the support, a tube connecting the hopper and the boot, means for feeding the seed from the hopper into the tube, a movable accumulator valve arranged within the boot in proximity to the furrow forming means, yielding means to oppose the opening movement of the accumulator valve, a trip device to move the accumulator valve to open the same, a pulley to operate the trip device, a second pulley mounted upon the support, means to drive the second pulley, and a longitudinally elastic belt engaging the first and second pulleys,



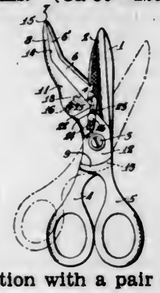
the arrangement being such that when the elastic belt is placed under suitable tension it will quickly operate the trip device.

2,249,377
STRING FEED MECHANISM
Dwight J. Duncan and Richard D. Prophet, Dallas, Tex.
Application September 29, 1939, Serial No. 297,166
4 Claims. (Cl. 112—2)



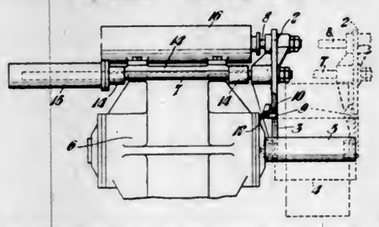
1. In combination with a hemmer having a substantially conical shaped throat, a channeled string guide extending through the throat and adapted to receive string from a supply, a feed dog operating in the string guide to engage and feed the string from the discharge end of the string guide, a spring type holding dog engaging the string in the guide adjacent the discharge end of the latter and having a cam face to be engaged by the feed dog on the latter moving on its string feeding stroke to disengage the holding dog from the string, and means for operating the feed dog.

2,249,378
BASTINGS CUTTING, PULLING, AND REMOVING IMPLEMENT
Domenico Di Leo, Philadelphia, Pa.
Application October 29, 1940, Serial No. 363,360
7 Claims. (Cl. 30—123)



1. The combination with a pair of scissors, of a pair of relatively movable fingers one being rigidly connected with a blade of the scissors and the other being oscillatably supported upon the body of the scissors, and resilient means normally urging the separation of said gripping fingers.

2,249,379
PUSH-OFF DEVICE FOR TAKE-UP OF COLD ROLLING MACHINES
Frank A. Ford and Thomas D. Williams, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application July 6, 1939, Serial No. 283,080
6 Claims. (Cl. 242—81)



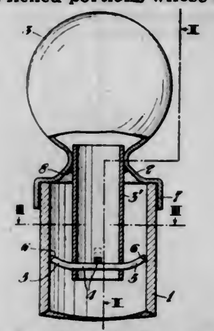
5. A device for removing coiled material from a take-up block comprising a plate adapted to be disposed transversely and spaced from the exterior surface of said block, said plate having a face thereof adapted to contact the outer coils of said material, means on the plate for contacting the inner coils of the material, said means having sliding contact with said surface of the block and having a material-contacting face disposed substantially in the plane of said plate face, whereby to remove the coiled material from the block without telescoping the inner coils thereof by a movement of the plate and means longitudinally of the block.

2,249,380
PROCESS FOR PRODUCING FORMALDEHYDE AND ACETIC ACID
William P. Gerg, Hancock, N. Y.
Application February 4, 1938, Serial No. 188,756
4 Claims. (Cl. 260—606)

1. The process for simultaneously producing formaldehyde and acetic acid which comprises volatilizing methyl acetate, mixing the vapors therefrom with oxygen, oxidizing the resulting mixture in the presence of a vapor phase oxidation catalyst, the steps of passing the oxidized mixture including acetic acid and formaldehyde to a concentrating column, concentrating the acetic acid drawing off the same and passing the vaporized formaldehyde out of said column and separating the remaining methyl acetate from the formaldehyde.

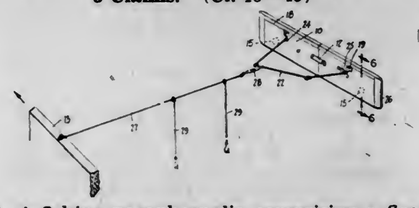
2,249,381
POST CAP
Gustaf A. Gustafson, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 29, 1939, Serial No. 270,951
2 Claims. (Cl. 220—25)

2. In combination with a hollow post, a cap therefor having an annular flange overlapping the end of the post, a tubular shank secured to a central region of the cap and extending into said post, the inner end of said shank having a plurality of diametrically opposed apertures, separate bars forming fingers carried by said shank in crossed arrangement positioned in said apertures, each of said fingers having outer diametrically opposite flexed portions whose extremities,



by virtue of their inherent characteristics, tend to forcefully engage the inner surface of the post.

2,249,382
FISHING PARAPHERNALIA
Henry Henriksen, New York, N. Y.
Application February 24, 1941, Serial No. 380,318
3 Claims. (Cl. 43—49)



1. A fishing paraphernalia comprising a floating member, brackets formed with tubular openings therein, and being secured to one side of the latter, a plurality of rods linked together and being turnably secured in said tubular openings, a line having a plurality of fishing lines secured thereto, and swiveling means slidably connecting the line to said rods, substantially as and for the purpose set forth.

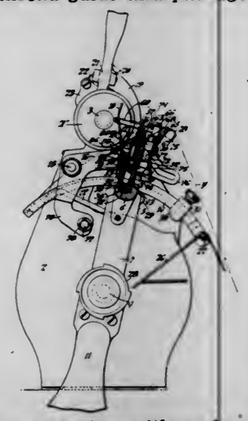
2,249,383
PICKLING OF STEEL
Donald Cleve Hilty, Vandergrift, Pa.
No Drawing. Original application December 29, 1937, Serial No. 182,321, now Patent No. 2,178,791, dated November 7, 1939. Divided and this application August 31, 1939, Serial No. 292,960
2 Claims. (Cl. 148—8)

1. A process for removing the red color from heat treated silicon steel while effecting substantial scale removal, including subjecting the steel to the action of an acid solution containing sulphur dioxide while maintaining the solution at temperatures not exceeding 140° Fahrenheit, the sulphur dioxide being maintained at a concentration sufficient to effect removal of the red color and the acidity of the solution being sufficiently high to effect substantial scale removal.

2,249,384
WINDING MACHINE
Harold Wood Hitchcock, Apponaug, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application April 27, 1939, Serial No. 270,455
16 Claims. (Cl. 242—43)

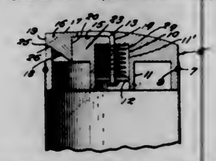
1. In a winding machine, means for rotating

a package, a thread-guide for traversing yarn longitudinally of the package, means for actuating the thread-guide, a member interposed between the thread-guide and package to prevent



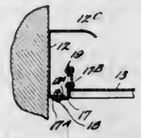
contact of the guide therewith, and means whereby said member may be initially adjusted to adapt it to extend at various angles with respect to the axis of the package.

2,249,385
DISPENSING AND CLOSURE CAP FOR FLEXIBLE TUBES
Cortland W. Johnsen, Tacoma, Wash.
Application June 19, 1939, Serial No. 280,017
7 Claims. (Cl. 221—60)



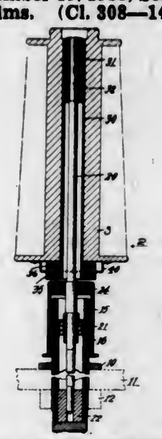
7. In combination with a collapsible tube, a cap at one end of said tube having a rectangular discharge port extending from the top of said cap through a side thereof, the lower front edge of said discharge port forming an inwardly and downwardly tapered valve seat, the rear portion of said discharge port having a skirt extending into said tube, a valve in axial alignment with said discharge port having its underside downwardly and inwardly tapered, the front portion of said underside being normally in contact with said valve seat and a rear portion being in the form of a knife edge in sliding engagement with said skirt, a cylinder supported by said cap, a piston slidably mounted in said cylinder, said cylinder being substantially in the center of said tube and offset from said valve, a valve stem connecting said valve and said piston, the lower portion of said valve stem being within said cylinder and in substantial alignment with the vertical plane of said tube, the upper portion of said stem being in angular relation to the lower portion of said stem and exterior of said tube, a spring member within said cylinder and surrounding the lower portion of said valve stem, said valve being adapted to contact said valve seat in closed position, said piston being responsive to pressure exerted by the contents of said tube to raise said valve and open said port, said spring being adapted to close said valve upon the cessation of pressure within the tube.

2,249,386
LOUVER PANEL CONSTRUCTION
Lloyd M. Jones, Fort Lauderdale, Fla.
Application July 17, 1939, Serial No. 284,989
2 Claims. (Cl. 189—62)



1. In a building construction of the class described, a louver panel arrangement for an opening in the wall of an enclosure, said arrangement comprising, in combination, a fixed frame including a pair of side frame members secured rigidly and relatively permanently within, and against the margins of, said opening, said fixed side frame members being substantially of channel shape, each having its web parallel with and adjacent to the sides of the opening, and its flanges extending into the opening, a removable louver frame comprising spaced side frame members of angle shape each disposed with one of its flanges overlapping and closely adjacent to one of the flanges of its associated fixed side member, the other flange of the side frame member of the removable frame being disposed within the confines of the fixed frame and extending parallel with and spaced from the web of the fixed side member, louvers secured at their ends to the last named flanges of the side frame members and means detachably securing said first named flnages of the removable side frame members to the adjacent flanges of said fixed side members, said means being the sole means for attaching the louver frame to the fixed frame, the other flanges of said channel shaped fixed side members being each formed with a flange directed forwardly toward the first named flange of the fixed side member to form a trough which is spaced rearwardly of the joints between the removable frame and the fixed side members, and between the louvers and the side frame members to which they are attached, to catch and divert any water which might pass through said joints.

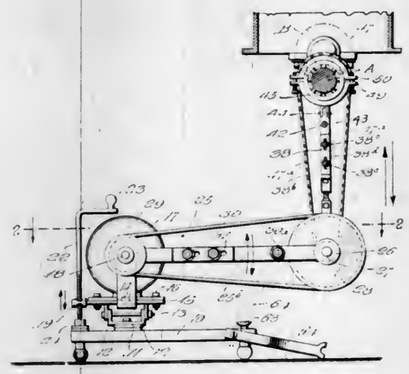
2,249,387
SPINDLE
Francis E. Kelley, Providence, R. I.
Application September 19, 1938, Serial No. 230,597
2 Claims. (Cl. 308—149)



1. In a yarn producing machine, a spindle

having a blade which is slightly resilient in its upper portion, a driving whirl fixed to said blade, bearings for said blade positioned entirely below the point of attachment of said whirl to said blade, a load-carrying sleeve permanently fixed to the extreme upper end portion only of said blade and elsewhere free and substantially spaced from said blade and said whirl, a spool-supporting flange fixed to the lower end of said sleeve but free from said blade and whirl, and means on said flange to coact with and positively rotate a spool supported on said flange.

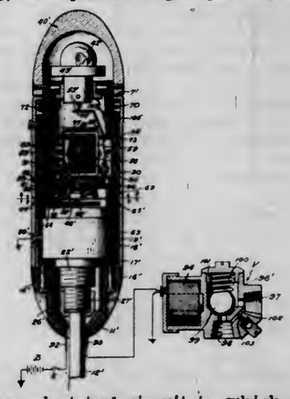
2,249,388
CRANKPIN GRINDING APPARATUS
Leon F. Kline, Franklin, W. Va.
Application June 6, 1940, Serial No. 339,189
8 Claims. (Cl. 51—73)



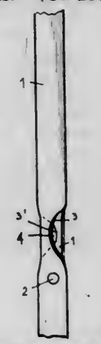
1. An apparatus for grinding the crankpins of a motor vehicle crankshaft or the like, comprising a base adapted for positioning beneath a motor vehicle, a rotatable shaft pivotally connected to the base, means for rotating said rotatable shaft, a support having an end pivotally connected to the rotatable shaft, circular straps pivotally connected with the other end of the support, grinding means rotatably mounted in said straps and adapted to be assembled in surrounding relation to a crankpin, and means operable by the rotatable shaft for rotating the grinding means.

2,249,389
SPEED INDICATING AND CONTROLLING DEVICE
Paul Huber Kolb, Williamsport, Pa.
Application May 24, 1938, Serial No. 209,829
9 Claims. (Cl. 177—311.5)

1. Device settable to indicate any desired speed of an auto vehicle comprising a magnetic speedometer having a speed responsive angularly turnable shaft projecting from one end, a pin extending laterally from said projecting end, an electrically actuated indicator, and an arcuate spring yieldingly supported in the path of movement of the end of said pin to be contacted thereby upon attainment of the speed for which the indicator is set, and to be wiped thereby when said speed is exceeded, means for adjusting said spring about the axis of said pin to advance or retract the point of contact of said pin with said spring, said pin and spring being the terminals of an electrical circuit in which said indicator is intercalated.



2,249,390
HEDDLE
Otto Mahler, Monbard, France
Application March 2, 1940, Serial No. 321,944
In Switzerland February 26, 1939
6 Claims. (Cl. 139—93)

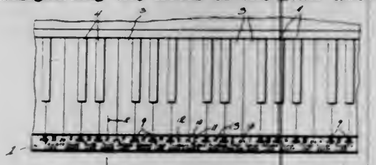


1. A heddle particularly adapted for manufacturing endless fabrics, comprising at least two flat legs arranged in juxtaposition to each other, said legs being deformed intermediate the ends thereof and the resultant deformations defining an eyelet, and a juncture of said legs located to one side of said eyelet and in close adjacence thereto whereby, in effect, a closure for said eyelet is formed, the remainder of the eyelet being open throughout, whereby the heddle may be readily engaged with and disengaged from warp thread.

2,249,391
KEYBOARD AND MUSIC STAFF MEMORIZER
Frank McCaffrey, Seattle, Wash.
Application January 23, 1940, Serial No. 315,236
2 Claims. (Cl. 84—478)

1. A keyboard and staff memorizer for use upon a piano keyboard having a ledge extending lengthwise thereof at the ends of the white keys, comprising an elongated strip of material of a width to positon flat on said ledge and having a length substantially corresponding to the length of the ledge, the strip when in use being laid flat

on and lengthwise of the ledge, means for maintaining the strip on the ledge, comprising bendable fingers extending from that edge of the strip which is adjacent to the ends of the keys when the strip is in use, the fingers extending at an angle from the strip between the ends of the keys and the edge, said strip being provided with longitudinally extending transversely directed lines spaced apart a distance substantially equaling the widths of the white keys of the keyboard, the spaces between said lines having letters therein designating the notes of the staff above and

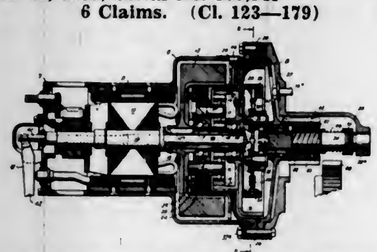


below middle C, the strip when disposed upon said ledge having the note representing middle C adjacent the key middle C on the keyboard with the treble and bass keys each identified by a note letter in the space adjacent the end of the key, the said lines being divided into two groups, the lines of one group being heavier than the lines of the other group and being arranged to be alined with the black keys of the keyboard and the lines of the other group alining with the spaces between those pairs of adjacent white keys falling between the groups of black keys.

2,249,392
CONTAINER AND METHOD OF MAKING THE SAME
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application August 16, 1938, Serial No. 225,114
16 Claims. (Cl. 93—36)

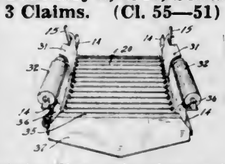
1. In the art of making containers, the method which includes adhesively securing a sheet of metallic foil to a sheet of fibrous material throughout the contacting areas thereof to form a laminated blank, applying a film of wax to the exposed surface of said fibrous layer, baking said blank until said surface is substantially dry and free of a wax film, applying a film of thermoplastic adhesive to the exposed surface of said foil, drying said adhesive, embossing fold lines in said blank, folding marginal portions of the top, bottom and one end of said blank inwardly toward the fibrous lamina, wrapping said blank about a mandrel with the ends thereof in overlapping relation and said infolded margins innermost to form a tubular body, applying heat and pressure to said overlapping portions to activate the dry film of adhesive therebetween while yieldingly resisting deformation thereof, folding a marginal portion of said body to form an end wall and bring opposing halves of the inner peripheral foil surface of said margin into engagement to form a tab, and applying pressure and heat substantially above climatic temperatures to opposite sides of said tab, the heat applied to one side of said tab being of a substantially higher degree than that applied to the other side thereof.

2,249,393
ENGINE STARTER
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original application June 11, 1937, Serial No. 147,768. Divided and this application November 21, 1939, Serial No. 305,543
6 Claims. (Cl. 123—179)



1. In a device of the character described, in combination, a driving drum, a driven shaft, said driven shaft having a flange located within said driving drum, means including friction shoes pivotally mounted on said flange for radial movement into engagement with the inner surface of said drum, electromagnetic means for producing radial movement of said shoes into engagement with said drum, means for producing rotation of said drum independently of energization of said shoe moving means, said last named means including an electric motor, and means for producing successive feeding of current to said motor and said electromagnetic means.

2,249,394
POTATO DIGGER
Fred P. Noffsinger, Greeley, Colo.
Application February 5, 1940, Serial No. 317,254
3 Claims. (Cl. 55—51)

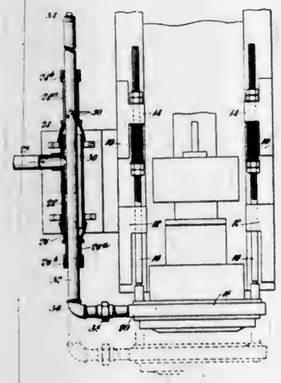


1. In a potato digger having a traveling bar chain and a shovel for digging the potatoes ahead of said chain, a roller; means for supporting said roller transversely of said chain between said shovel and the forward extremity of said chain and above the upper surface of the latter; an end flange at each extremity of said roller, said flanges being in substantial alignment with the side edges of said chain; and means for rotating said roller rearwardly.

2,249,395
OIL VALVE FOR CUTTING MACHINES
William H. Reese, Lorain, Ohio, assignor to National Tube Company, a corporation of New Jersey
Application June 10, 1939, Serial No. 278,548
2 Claims. (Cl. 10—106)

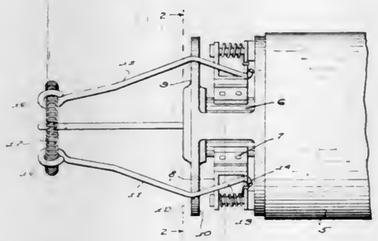
1. An apparatus of the character described

comprising an upright frame, a tool head slidable vertically thereof, said head having an annular portion for distributing lubricant to tools carried thereby, and means for controlling the flow of lubricant to said head in response to vertical movements thereof comprising a stationary upright elongated hollow valve body having a lubricant inlet connected near the upper portion thereof, a hollow plunger of materially smaller



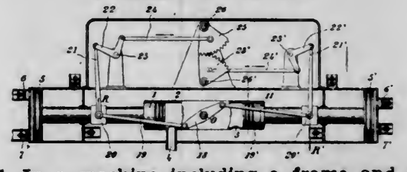
diameter than the interior of said body, elongated guides secured to opposite ends of said body and making a snug sliding fit with said plunger, said plunger having a port normally closed by the upper one of said guides when the head is in non-operative position and adapted to be moved beyond the guide into the valve body only when the head moves to cutting position, to thus automatically establish communication between said lubricant inlet and the tool head.

2,249,396
GENERATOR BRUSH RELEASING TOOL
Benjamin A. Riccio, South Norwalk, Conn.
Application July 25, 1940, Serial No. 347,543
3 Claims. (Cl. 81—3)



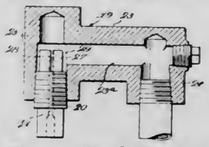
1. An armature brush lifting tool of the class described comprising a plurality of arms having an intermediate portion adapted for bearing on the edge of the end plate of the casing for the armature, the inner ends of said arms engaging the brushes for holding the same out of engagement with the armature and yieldable means connecting the outer ends of said arms to each other and adapted to spread the inner ends of the arms apart.

2,249,397
FREE PISTON MACHINE
Raul Pateras Pescara, Neuilly sur Seine, France, assignor of three-tenths to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland, a society of Switzerland
Original application February 16, 1939, Serial No. 256,751. Divided and this application February 26, 1940, Serial No. 320,950. In Luxemburg February 19, 1938
6 Claims. (Cl. 74—110)



1. In a machine including a frame and two parts reciprocating in opposed directions along a common longitudinal axis of movement with respect to said frame, a synchronizing device for synchronizing the opposite movements of said parts which comprises kinematic transmission means carried by said frame and interposed between said reciprocating parts, said synchronizing device producing opposed reactions transverse to said axis, at least one rigid member carried by said frame, and means separate from said transmission means for transmitting to said rigid member the opposed reactions.

2,249,398
CACTUS BURNER
Alex T. Ploch, Carpenter, Tex.
Application October 4, 1938, Serial No. 233,309
1 Claim. (Cl. 158—33)

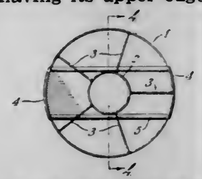


A nozzle for cactus-burners comprising end portions having parallel threaded bores, a portion connecting said end portions at right angles thereto and having a passage therethrough in communication with the bores of the end portions, the threaded bore of one end portion providing means for attaching a fuel pipe, and a discharge tip threaded into the bore of the other end portion, said tip having an axial bore therethrough, said tip having a reduced portion extending into the bore of its supporting end portion and spaced from its inner wall in overlapping relation to an end of the passage through said connecting portion whereby to provide a sediment trap, said axial bore having an enlarged outer end portion, and said reduced portion having a transverse slot extending thereacross throughout its length and intersecting said axial bore.

2,249,399
PASTRY CUTTER
Bernice M. Sajnaj, La Salle, Ill.
Application February 7, 1939, Serial No. 255,143
1 Claim. (Cl. 30—302)

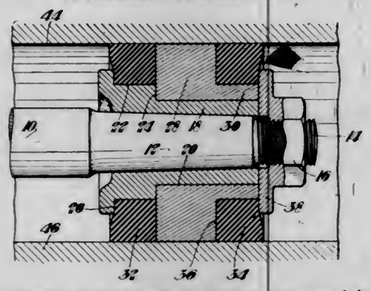
A cutter to produce pastry of flower like design, and comprising concentrically arranged annular blades, radial blades fixed to and bridging the annular blades and arranged in equi-distantly

spaced relation with respect to each other, the radial blades being of the same height as the outer annular blade and having their upper and lower edges flush with the edges of the latter blade, the inner annular blade being of a height approximately half of that of the outer and radial blades and having its upper edge flush with the



upper edges of the latter blades, and a bail type handle for the cutter and including parallel arms transversely curved to follow the shape of the outer annular blade and secured thereto upon diametrically opposite sides thereof, and the arms and bight portion of the handle having beaded edges and the beaded edges of the arms being disposed above the outer annular blade.

2,249,400
PUMP PISTON
John M. Shimer, Dallas, Tex., assignor to Oil Well Supply Company, a corporation of New Jersey
Application December 15, 1939, Serial No. 309,505
11 Claims. (Cl. 309—4)



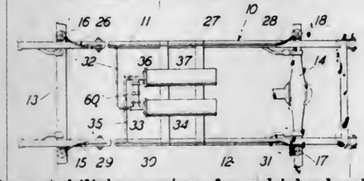
2. A piston rod carrying a piston comprising a metal sleeve shaped in longitudinal section to provide two substantially radial shoulders and two bearing portions, a light-weight core of non-metallic material mounted on one of said bearing portions and engaging one of said shoulders, a ring of resilient material mounted on said other bearing portion and engaging said other shoulder, said core having an annular section, a second ring of resilient material mounted thereon, and means removably secured to said rod effective to compressively hold said resilient rings in assembled relation with respect to said sleeve and said core.

2,249,401
CALKING GUN
Emil H. Sieg, West De Pere, Wis.
Application April 25, 1938, Serial No. 204,163
2 Claims. (Cl. 18—3.5)



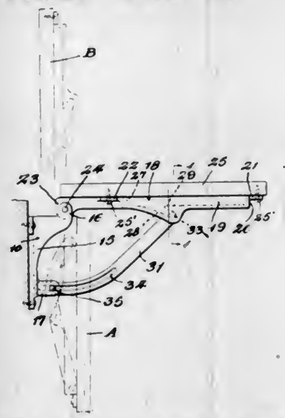
1. A calking gun, comprising a cylinder, a piston therein, a nozzle removably secured to one end of the cylinder and of a flat form having one wall approximately in a plane with the wall of the cylinder, and a beveled wall forming a reduced oblong discharge end provided with a ribbon forming discharge slot extending across the same in a plane with the wall of the cylinder.

2,249,402
STABILIZING DEVICE
Nicholas M. Stefano, Endicott, N. Y.
Application January 13, 1939, Serial No. 250,681
2 Claims. (Cl. 280—104)



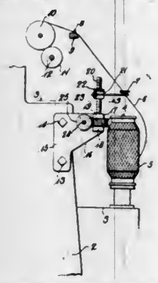
2. In a stabilizing system for vehicles having at least two wheels on either side thereof, a plurality of hydraulic units, one adjacent each of two wheels on each side of said vehicle, a shock absorber having fluid connections with each of said hydraulic units, and a valve in the hydraulic system and normally positioned to afford unrestricted fluid communication between said hydraulic units and said shock absorber but automatically movable to close fluid communication from one side of said vehicle to the other in response to movements of the vehicle, to prevent severe sidesway of said vehicle in rounding a turn or upon being subjected to a tilting force.

2,249,403
TRIPLE ACTION HINGE BRACKET
Frederick J. Stollsteimer, Upper Darby, Pa.
Application December 5, 1940, Serial No. 368,725
4 Claims. (Cl. 248—240)



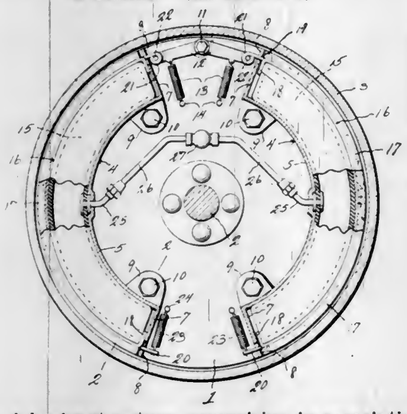
1. A hinged bracket comprising a bracket having means for securement to a supporting surface, an elongated arm pivotally connected to the bracket, said arm having spaced flanges extending longitudinally thereof, the flanges having a downwardly inclined part defining a keeper, a rod pivotally, and slidably mounted on the bracket below the pivot of the elongated arm, said rod having a head positioned between the flanges of the arm, and said head having oppositely disposed members adapted to slidably engage said flanges under swinging movement of the arm and to engage said keeper in operative position of the arm.

2,249,404
CONTROLLING THE DELIVERY OF THREADS DURING TWISTING
Alfred E. Sunderland, Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application January 19, 1939, Serial No. 251,820
3 Claims. (Cl. 57—59)



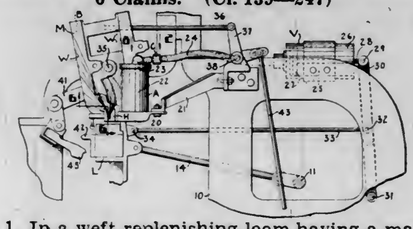
1. In a twisting machine comprising a plurality of rotatable mountings for bobbins each containing a thread to be twisted and a thread guide positioned axially of the mounting and spaced from the position assumed by the adjacent end of the bobbin when the machine is ready for a twisting operation, a device for controlling the degree of ballooning of the thread between the bobbins and the guides comprising a bar extending longitudinally of the machine and supporting a plurality of said guides, revolvable means comprising the support of said bar and means associated with said revolvable means for vertically adjusting said bar to fixed positions above the said bobbins.

2,249,405
VEHICLE BRAKE
William Thompson, Pontiac, Mich., assignor of one-half to Lawson D. Smith, Pontiac, Mich.
Application July 2, 1940, Serial No. 343,654
4 Claims. (Cl. 188—152)



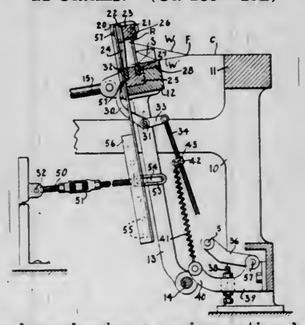
1. A brake structure, comprising in association with an axle carried plate, a pair of arcuate housings secured against one face of said plate, the housings having their convex sides in opposed relation and being disposed concentric with the axle, said housings being open only upon their convex sides, an arcuate fluid cell disposed within each housing, said cell being of substantially the same length as the interior of its housing, a brake shoe of arcuate form disposed in each housing adjacent the open side thereof and against the outer side of the cell, a brake lining strip carried by each shoe, means facilitating the introduction of fluid under pressure into each cell for expanding the latter, and spring means coupling both ends of each of said shoes with said plate and exerting a holding action in a radial direction on each shoe and the adjacent cell.

2,249,406
PNEUMATIC THREAD CONTROL SYSTEM FOR LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 4, 1940, Serial No. 312,393
6 Claims. (Cl. 139—247)



1. In a weft replenishing loom having a magazine containing reserve bobbins from which weft threads extend to a pneumatic thread holder, said thread holder having an intake mouth to receive the weft ends, an air pump operated by the loom to create sub-atmospheric pressures, pneumatic connections between the pump and the intake mouth of the thread holder, and a compensating valve located in the connections between the pump and the intake mouth, said valve normally closed and together with the pump and connections constituting a normally closed pneumatic system, the valve to be opened by atmospheric pressure when the pneumatic pressure within the system created by the pump falls below a given sub-atmospheric pressure due to the resistance offered by the threads in the intake mouth to the passage of air from the atmosphere into said intake mouth and thereby reduce the power required to operate the pump.

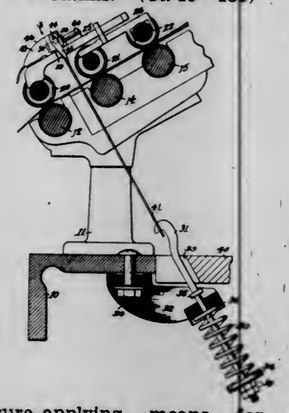
2,249,407
CONTROL FOR LOOM REEDS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 17, 1940, Serial No. 319,511
11 Claims. (Cl. 139—191)



1. In a loom having a reciprocating lay movable through a range having front and back limits

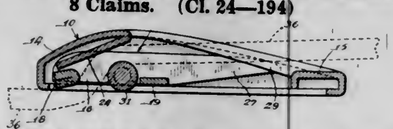
and having a reed pivoted to the lay along an axis vertically displaced from the fell of the cloth, that improvement comprising a stop for the reed independent of the cloth to be brought into action by forward motion of the lay to initiate rearward motion relatively to the lay around said reed axis of that part of the reed which strikes the fell of the cloth before the lay reaches the front limit of its motion.

2,249,408
PRESSURE APPLYING MEANS FOR SPINNING FRAMES
George West, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application October 21, 1938, Serial No. 236,253
2 Claims. (Cl. 19—135)



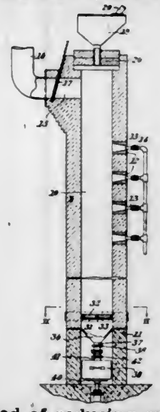
1. Pressure-applying means for spinning frames comprising a stirrup, means to tension said stirrup, a front top roll saddle, a block mounted on said saddle, means to adjust said block longitudinally of said saddle and a tension-applying member having a pivotal lost-motion connection with said block and having a pivotal connection with the upper end of said stirrup, said member resting upon and being supported directly by said block independently of said lost motion connection.

2,249,409
BUCKLE
Paul W. White, Waterbury, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application October 2, 1939, Serial No. 297,462
8 Claims. (Cl. 24—194)



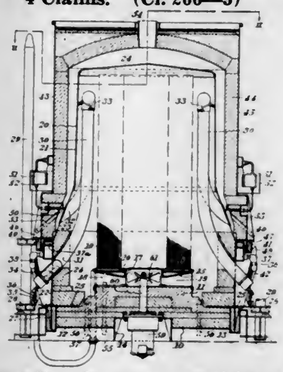
4. A slide buckle for association with a strap, comprising a pair of frames disposed in a face-to-face relation for longitudinally slidable engagement therebetween, said frames having spaced side bars and spaced cross bars connecting said side bars for defining openings therethrough to receive the strap, the side bars of one of said frames having notches and one of said cross bars of said notched frame comprising a roller having reduced ends normally loosely held in position in said notches by the co-operation of both of said frames, means for directing longitudinal movement of said frames, one cross bar of one of said frames having an inclined surface co-operating with said loosely held roller to clamp the strap threaded therebetween in adjusted positions upon relative movement of said frames in one direction.

2,249,410
METHOD AND APPARATUS FOR REDUCING ORE
Lee Wilson, Cleveland, Ohio
Application March 30, 1940, Serial No. 326,986
7 Claims. (Cl. 75—26)



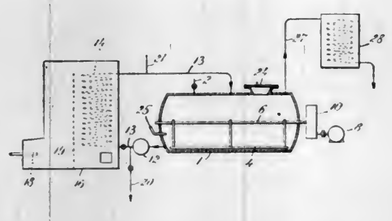
1. In a method of reducing oxides, or the like, the steps including discharging a shower of a finely divided mixture of the oxides and a reducing agent downwardly, in a freely falling shower, through one of a pair of substantially vertical reaction chambers heated to a temperature above 2000° F., thereby effecting a substantially instantaneous reduction of the oxides in suspension, collecting the reduced material adjacent the bottom of the chamber, and delivering the combustible gas formed in said one of said chambers to the other of said chambers for combustion therein to heat the latter for a succeeding reaction.

2,249,411
ANNEALING FURNACE
James C. Woodson, Cleveland, Ohio, assignor to Lee Wilson Sales Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 5, 1940, Serial No. 359,888
4 Claims. (Cl. 266—5)



1. An annealing furnace comprising a refractory base and a refractory lined cover removably disposed thereon, said cover having a roof and side walls, said side walls being composed of separable upper and lower portions, a protective metal cover permanently united with said lower portion and extending inwardly of and upwardly within said upper portion, and heat-exchange tubes mounted inside said protective cover, one end of each tube penetrating the lower portion of said side walls, the other end of each tube penetrating the protective cover above the lower portion of said side walls.

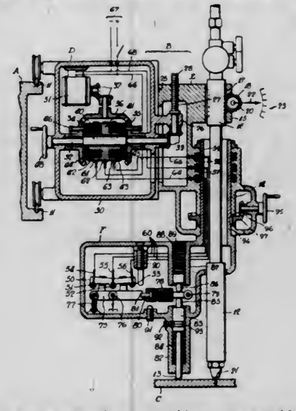
2,249,412
COATING COMPOSITION AND THE METHOD OF PREPARING THE SAME
Frank William Yeager, Cliffside Park, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application April 16, 1938, Serial No. 202,573
8 Claims. (Cl. 106—278)



4. The process of making a substantially non-sedimenting, self-drying bituminous coating composition constituted of coal-digestion pitch of a softening point (ring and ball) of from 180° to 250° F. and from 35 to 55% of solvent the major portion of which boils within the range of 170° to 200° C., comprising heating the pitch to a temperature about 100° F. above its softening point, slowly adding to the molten pitch, while agitating, a major portion of solvent at a temperature not higher than 100° F., cooling the resultant mixture to a temperature below 145° F., adding the remainder of the solvent at a temperature not higher than 100° F. and continuing cooling of the mixture.

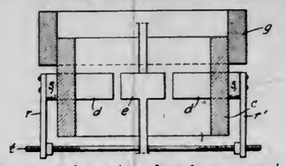
2,249,413
CUTTING TORCH
Richard Bechtle and Erich Habermehl, Frankfort-on-the-Main, Germany, assignors to Messer & Company, G. m. b. H., Frankfort-on-the-Main, Germany, a company of Germany
Application November 27, 1939, Serial No. 306,324
In Germany November 29, 1938
10 Claims. (Cl. 266—23)

1. A torch cutting apparatus including a torch, a gauge adjacent to the tip of said torch and adapted to ride over a work surface, said gauge being yieldably mounted for gauge movement with respect to said torch in accordance with the conformation of said surface, a motor, a transmission between said motor and said torch for moving said torch transversely of said surface, and including a reverse transmission unit, the setting of which determines the direction of transverse movement of said torch, and means operable in accordance with said gauge movement for setting said transmission unit in position to effect corresponding transverse movement of said torch, whereby said torch is spaced a constant predetermined distance from said



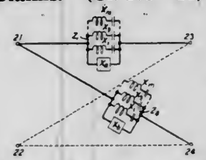
work surface during cutting operations, irrespective of the contour of said surface.

2,249,414
IRON GONIOMETER
Konrad Bihl, Berlin, and Paul Hermanspann, Leipzig, Germany, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 8, 1937, Serial No. 178,694
In Germany September 24, 1936
1 Claim. (Cl. 250—11)



An iron goniometer having a rotatable iron armature, an outer iron ring arranged coaxially with respect to said armature, a plurality of pole pieces substantially surrounding said armature and passing through said outer ring, said pole pieces being movable radially whereby the field distribution in the air gap around said armature may be varied and a second magnetic ring surrounding said outer ring and movable axially thereover whereby the change in inductance occasioned by the variation in field distribution is compensated for.

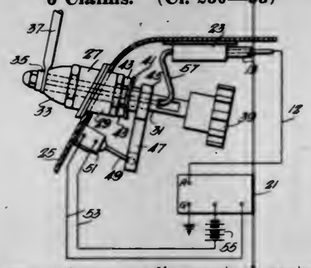
2,249,415
WAVE FILTER
Hendrik W. Bode, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 9, 1939, Serial No. 260,682
19 Claims. (Cl. 178—44)



1. A wave filter in which an image impedance or an image admittance has a plurality of poles

and zeros at real frequencies and the image transfer constant has a pole coincident with each pole of the image impedance or each pole of the image admittance.

2,249,416
ANTENNA SYSTEM
Wendell L. Carlson and William H. Conron, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 29, 1939, Serial No. 287,278
6 Claims. (Cl. 250—33)



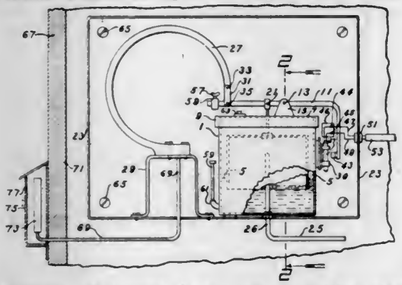
1. In an antenna-radio control system, radio apparatus, a movable antenna member connected to said apparatus and mounted in a normally non-operating downward position, a power source for energizing said apparatus, electromagnetic means responsive to current flow in said apparatus from said power source for erecting said antenna member to an operating position and holding same in said operating position, and spring means for returning said member to said downward position in response to a reduction of said current flow.

2,249,417
COPPER CLAD STEEL
Thomas B. Chace, Winnetka, Ill.
No Drawing. Application July 18, 1938, Serial No. 219,837
6 Claims. (Cl. 148—31)

1. A precipitation hardened composite body of metal comprising a steel backing and a copper facing integrally bonded together, said steel backing and said copper facing containing, respectively, sufficient copper and iron prior to hardening as will subsequently effect the simultaneous precipitation hardening thereof when subjected to the same temperature cycle.

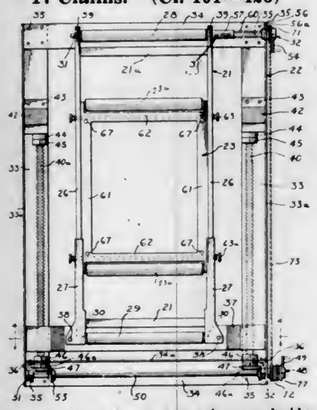
2,249,418
CONTROL APPARATUS
Edward G. Chambers, Toledo, Ohio, assignor to The Indemse Corporation, a corporation of Michigan
Original application February 21, 1938, Serial No. 191,720. Divided and this application October 3, 1938, Serial No. 232,937
6 Claims. (Cl. 200—81)

1. A coordinating instrument comprising, a vessel for receiving and holding a quantity of liquid, a hollow element of bell like conformation disposed in said vessel with its open side directed downwardly, an air pressure conduit connecting from the cavity in the hollow element, a regulating member, stationary support means for rigidly mounting said vessel, means mounting said regulating member movably adjacent said vessel, pivotal means operatively connecting said bell-like element to said regulating member, a Bourdon tube, means for rigidly mounting and stationarily supporting one end of said Bourdon tube adjacent said vessel, flexible means operatively connecting the movable end of said Bourdon tube to said movable regulating member which is operated by the coordinated



influence of forces from the bell-like element and the Bourdon tube, and control means associated with said regulating member for operation thereby.

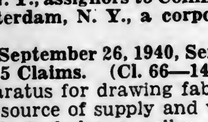
2,249,419
METHOD OF AND MEANS FOR PREPARING NEGATIVE REPRODUCTIONS FOR PHOTOENGRAVING OR ETCHING PROCESSES
Sulby Devore Craine, Glen Ellyn, Ill.
Application June 9, 1939, Serial No. 278,252
17 Claims. (Cl. 101—426)



1. In apparatus for preparing printing plates by a photoengraving process, in combination, a stretching device, said device including a pair of expansible and contractible side elements, a pair of rollers bridging said elements between their ends, a rubber belt, said belt being mounted about said rollers for receiving initial, positive printing impressions on the surface thereof, means for rotating at least one of said rollers about its longitudinal axis, and means for expanding and contracting said side elements uniformly to afford relative movement between said rollers at the ends thereof during the rotation of said rollers.

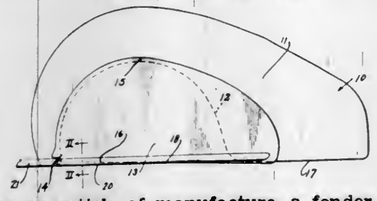
2,249,420
FREQUENCY METER
Willi Engbert and Friedrich Herz, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 31, 1938, Serial No. 227,634
In Germany August 27, 1937
4 Claims. (Cl. 172—245)

4. An arrangement for measuring the frequency of a wave having a fluctuating amplitude including an amplitude limiting arrangement comprising a vacuum tube having an anode, a cathode and a grid, a high resistance having one end connected to said grid, means for applying said wave to said cathode and the other end of said resistance, a rectifier so connected from said grid to said cathode as to dissipate positive



charges on said grid, means for connecting a source of potential in circuit between said anode and said cathode, means connected to said anode for differentiating the limiting amplitude wave and current measuring means connected to said differentiating means, said current measuring means being calibrated in units of frequency whereby an indication proportional to the frequency of said wave is obtained.

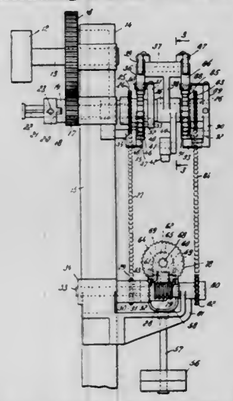
2,249,421
FENDER SHIELD AND ADAPTER
Arthur P. Fergueson, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 24, 1938, Serial No. 247,582
1 Claim. (Cl. 280—153)



As an article of manufacture, a fender shield for disposition over the wheel access opening of a vehicle fender, said fender shield having a curved edge defined by a folded-back marginal portion, a rigid fender adapter strip extending around said curved edge of said fender shield and seated and secured thereon, and a cushioning bead mounted on the opposite edge of said adapter strip for engaging said fender when said fender shield is in mounted position thereon.

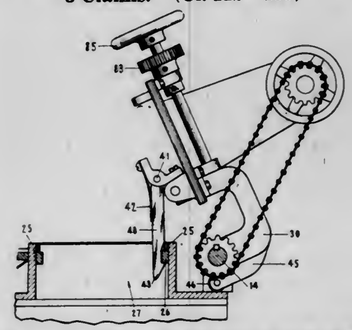
2,249,422
TENSION AND TAKE-UP DEVICE
John Fradenburgh and William D. Kellogg, Amsterdam, N. Y., assignors to Collins Loom Works, Inc., Amsterdam, N. Y., a corporation of New York
Application September 26, 1940, Serial No. 358,388
5 Claims. (Cl. 66—149)

1. In apparatus for drawing fabric under tension from a source of supply and winding it into a roll which includes a roller on which the fabric from the supply is wound, a pair of rotary members, the first of which is connected to the roller to rotate therewith, and a flexible endless element trained about the members, means for exerting a pull on the element which is transmitted to the roller through the first rotary member and is effective to rotate the roller, said means comprising a support, a lever pivoted on a pin on the support, an idler roller mounted on the lever and lying within a bight of the flexible element, a weight depending from the lever and movable inward and outward therealong, and means operating during the winding operation to move the weight outward along the lever, said means including a shaft in axial alignment



with the pin and a support in which the shaft is mounted for rotation.

2,249,423
DOUBLE HEAD HEMMING MACHINE
Joseph Galkin, New York, N. Y.
Application April 14, 1939, Serial No. 267,805
3 Claims. (Cl. 112—155)



1. In a machine of the character described, comprising a table having a slideway and two sewing machines relatively slidable on said slideway and adapted to feed in the same direction, said sewing machines having main shafts above said slideway, a drive-shaft rotatably mounted on said table rearwards of said sewing machines, said drive-shaft having a key lengthwise thereof, a bracket extending from each of said machines, said brackets being respectively fixed to said machines and having means for supporting said drive-shaft, whereby each of said machines may be swung above said slideway for bringing the normally concealed mechanism below the sewing machine base into fully accessible position, a gear operatively associated with said drive-shaft, a gear secured to said sewing machine main shaft, a fabric belt having spaced metallic projections fixed thereto and meshing with the teeth of the gear wheels mounted on said sewing machine shafts and said drive shaft and forming a belt drive externally of said sewing machine, said external belt drive being operatively connected during said swinging motion and one of said machines being slidable relative to said drive-shaft jointly with its coacting belt drive, said sewing machines having work supporting bases, said drive shaft being mounted below the level of

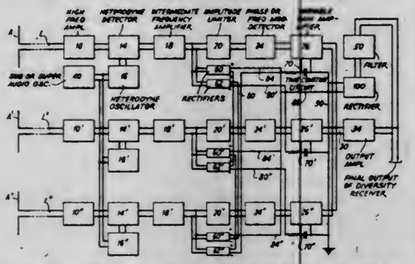
said work supporting bases, said drive shaft being shielded on three sides and comprising a shield superposed over said drive shaft, said shield comprising complementary relatively slidable sections, said sections being shifted automatically with the relative movement between said sewing machines, and a rack-bar fixed to the front face of said slideway with its teeth on its upper side, a shaft rotatably mounted on top of the work supporting base of one of said sewing machines and having a gear secured thereto and in engagement with said teeth, and means for rotating said gear and causing said mentioned sewing machine to travel along said slideway, said slideway having a horizontal surface at the rear thereof, said bracket having a roller rotatably mounted at its lower end and adapted for engagement with said surface in the overhanging position of said sewing machine, for relieving said drive shaft from supporting the weight of said sewing machine and permitting free rotation of said drive shaft.

2,249,424
WEATHER STRIP
Charles A. Hanington, Freeport, N. Y.
Application October 24, 1939, Serial No. 300,902
1 Claim. (Cl. 20—69)



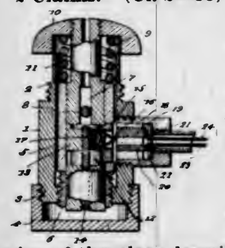
A weather strip comprising an elongated strip of air resistant material presenting sides and edges, reinforcing lines of stitching extending lengthwise of the strip and disposed in the sides thereof adjacent said edges, a relatively narrow zone of pressure sensitive adhesive on one side of the strip extending lengthwise thereof and covering a line of said stitching and impregnating said strip material and stitching, and the non-adhesive portion of said side constituting a draft resisting surface.

2,249,425
PHASE AND FREQUENCY MODULATION DIVERSITY RECEIVING SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 27, 1940, Serial No. 326,129
25 Claims. (Cl. 250—20)



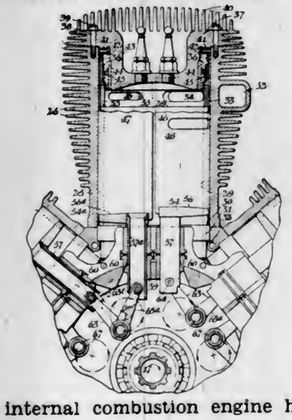
1. In a diversity signalling system for reducing the effects of fading on wave length modulated wave energy being received, a plurality of modulated wave receivers each including signal wave energy pick-up means, wave amplitude limiting means coupled to said pick-up means, and amplifying means of controllable gain connected to said limiting means, an automatic gain control means connected with each of said amplifying means for controlling the output of each of said receivers in accordance with the amplitude of the wave energy picked up by the other of said receivers, and a common output circuit connected with all of said receivers.

2,249,426
TIRE DEFLATION AND INFLATION INDICATOR
Edward C. Jones and Tom B. Seay, San Antonio, Tex.
Application June 5, 1940. Serial No. 339,018
2 Claims. (Cl. 2—58)



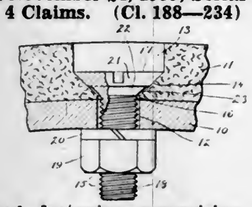
1. In a device of the class described, the combination of a casing, an adjustable bushing in one end of said casing, a slotted sleeve within said casing and resting on said bushing, a sliding plunger within said casing and bushing, said sliding plunger provided with a slot registering with the slot of said sleeve, pins on said casing and extending into the slots of said plunger and said sleeve, a head on the upper end of said plunger, a coil spring resting at one end on one end of said sleeve, and pressing at its other end against said head, a contact holder in said plunger, an adjusting screw extending through a portion of said plunger and supporting said contact holder, said contact holder provided with a spring-pressed contact wiper point, said casing provided with a housing on its side, an insulating filler in said housing, a pair of contacts in said filler and having their inner ends exposed to the inside of said casing, and said contact wiper point being adapted to engage the inner ends of said contacts.

2,249,427
VALVE MECHANISM FOR ENGINES
Walter Kasten, Franklin, Mich., assignor to Skinner Aircraft Engines Incorporated, Washington, N. J., a corporation of Delaware
Application October 26, 1938, Serial No. 236,983
18 Claims. (Cl. 123—75)



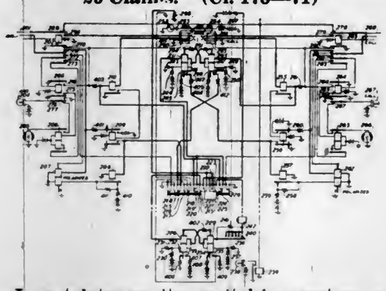
1. An internal combustion engine having an odd numbered plurality of cylinders in a single plane perpendicular to the axis of the crankshaft, valve mechanism having at least two sliding members associated with each cylinder, a plurality of eccentric devices corresponding to the number of cylinders, and means interconnecting each of said eccentric devices to at least two of said sliding members, all of said means being located adjacent to a common plane parallel to but offset from the plane of the cylinders.

2,249,428
BRAKE LINER FASTENING
Arthur B. Kempel, East Brady, Pa., assignor to Rex-Hide, Incorporated, East Brady, Pa., a corporation of Pennsylvania
Application November 24, 1939, Serial No. 305,879
4 Claims. (Cl. 188—234)



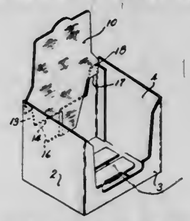
1. A bolted fastening comprising a base, a frangible member thereon formed with a bolt aperture whose inner wall includes a substantially conical bolt-head seat, terminating in an inner mouth wall of tapered section, and a bolt through the base, having a screw stem with a nut thereon and a substantially conical head in said aperture, contacting with said seat only over a relatively-narrow outer marginal clamping zone and annularly spaced from the aperture wall in an inner clearance zone of substantial width around the root of said head, to relieve the mouth wall of clamping pressure.

2,249,429
TELETYPEWRITER SWITCHING SYSTEM
Fullerton S. Kinkead, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 18, 1939, Serial No. 262,681
25 Claims. (Cl. 178—71)



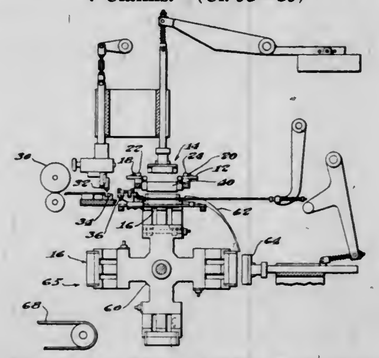
1. In a teletypewriter switching system, a cord circuit, an end in said cord circuit conditioned to connect to a subscriber's loop circuit to form with said loop an operable telegraph path, means in said cord for establishing in said path a current of a first value and in a first direction as the first element of a two-element communication signaling code, and means also in said cord for establishing in said path a current of a second value and in the same direction as said first direction as the second element of said two-element communication signaling code.

2,249,430
DISPLAY BOX
Russell A. Lambert, Springfield, Mass., assignor to Brooks Bank Note Company, Springfield, Mass., a corporation of Massachusetts
Application November 21, 1938, Serial No. 241,532
4 Claims. (Cl. 206—44)



1. A display box comprising a single blank having one decorated and one undecorated surface with portions of the blank interfolded and forming an open-topped receptacle having a rear wall of a single thickness of said blank with the decorated surface on the outside of said wall, an extended portion formed integrally with said rear wall and extending upwardly beyond the open top with the side edges of the extended portion unattached to the adjacent walls, a pair of cuts extending laterally to the side edges of said extended portion from two spaced points lying in the rear wall and on a vertical axis midway between the side edges of the rear wall and of the extended portion, and a fold line in the rear wall lying on said vertical axis and connecting the two spaced points whereby said extension may be rotated around said vertical axis so that the decorated surface faces the front wall to form a display card.

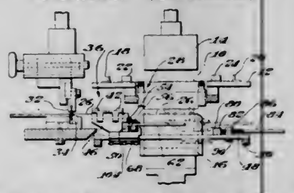
2,249,431
BOX MAKING MACHINE
Carl A. Moeller, Randolph, Mass., assignor to Norfolk Paper Co., Inc., Randolph, Mass., a corporation of Massachusetts
Application February 12, 1940, Serial No. 318,479
7 Claims. (Cl. 93—39)



1. In a box making machine, in combination, mechanism for assembling a body blank provided with corner and end fastening flaps and separately formed end blanks, including a box shaped pocket and a plunger insertable into the pocket to force the blanks therein, said plunger having expansible end members for pressing the end blanks and body blanks together, said end members being of a width such as to engage only portions between and not including the corner fastening flaps whereby to prevent adhesion of

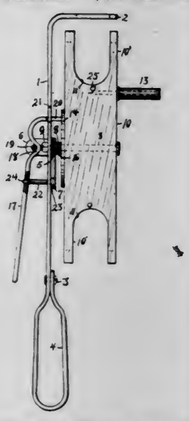
said corner flaps to said end blanks during said pressing operation and to leave said corner flaps free to be moved into alignment with said end blanks during subsequent forming operations.

2,249,432
BOX MAKING MACHINE
Carl A. Moeller, Randolph, Mass., assignor to Norfolk Paper Co., Inc., Randolph, Mass., a corporation of Massachusetts
Application February 12, 1940, Serial No. 318,480
3 Claims. (Cl. 93—39)



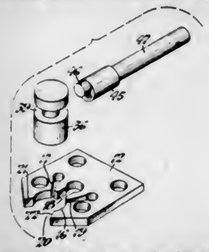
1. In a box making machine of the character described, in combination, a box forming pocket, a reciprocatory plunger member insertable into said pocket to form a box, means for conveying a body blank between the pocket and plunger, means for conveying separate end forming blanks between the pocket and plunger and in box forming relation to said body blank, said last named means including reciprocatory slide members having means for gripping and carrying said end members, resilient stop members for terminating the movement of said slide members when said end blanks are advanced to box forming position, and an adjustable mounting for each of said stop members comprising a threaded rod upon one end of which the stop member is swivelly mounted, a relatively stationary supporting member disposed adjacent said stop and through which said threaded rod extends, and means disposed at the other end of said rod to facilitate rotation thereof whereby to effect adjustment of said stop with relation to its respective slide member.

2,249,433
REEL
John B. Palmer, Fort Wayne, Ind.
Application August 8, 1940, Serial No. 351,860
4 Claims. (Cl. 242—99)



4. A line reeling appliance constituted of a staff provided with a reel-supporting spindle, a reel rotatable on said spindle provided with a crank handle on its outer edge and a disk secured to its inner edge concentric with said spindle, a pivoted lever in connection with said staff engageable with said disk to lock same, a spring tongue mounted in connection with the staff and frictionally engageable with said disk, and a member operatively connecting the spring and lever whereby the lever and tongue are moved selectively into engagement with said disk.

2,249,434
FUEL BURNER
Emil J. Pearson, Edgewater, N. J., assignor to Hammel Oil Burning Equipment Co., Inc., Providence, R. I., a corporation of Rhode Island
Application December 26, 1939, Serial No. 310,871
11 Claims. (Cl. 299—140)



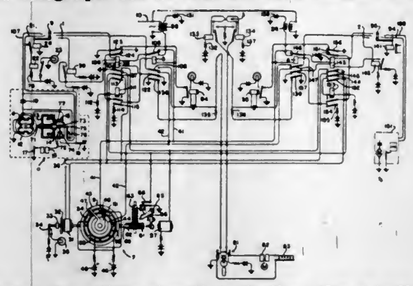
6. A burner of the type indicated comprising a casing having cylindrical bores extending at right-angles to each other, one of said bores having inlet ports for supplying fuel and an atomizing medium and an outlet port for discharging the atomized fuel, a piston-valve movable in one of said bores and having an annular groove intermediate its ends, a plug adjustable in said bore, the ends of the piston-valve and plug forming an atomizing chamber therebetween, a rotary member in the other bore having a crank-pin engaging the groove in the piston-valve, and manually-operable means for actuating the rotary member to slide the piston-valve axially of the bore to vary the area of the inlet and outlet ports.

9. A burner of the type indicated comprising a two-part casing having a bore therein, a plate held between the casing parts and having a circular opening therein with a series of slots at the periphery of the opening, said circular opening in the plate being alined with the bore in one of the casing parts, means in the casing for supplying fuel and an atomizing medium to the circular opening in the plate through the slots, and a piston-valve slidable in the alined bore and circular opening to control the amount of fuel and atomizing medium supplied to and discharged from the burner.

2,249,435
MOTOR CONTROL AND PHASING
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Original application July 3, 1937, Serial No. 151,827. Divided and this application March 17, 1939, Serial No. 262,345
38 Claims. (Cl. 178—69.5)

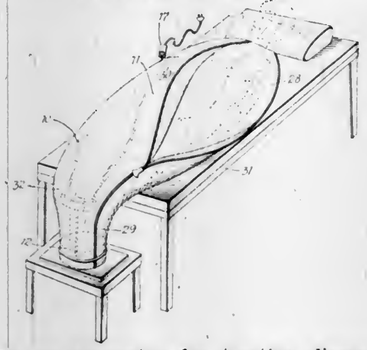
1. In a telegraph switching system, a switching station, remote telegraph stations, lines connecting said remote stations to said switching station, apparatus at said switching station to seize lines for interconnecting said remote stations for intercommunication, telegraph sets and driving motors therefor at said remote stations,

and means for completing over a line to a selected remote station both a communication circuit for the telegraph set at said selected station and a



motor operating circuit including the windings of the motor at said selected station by the act of seizing the line for communication.

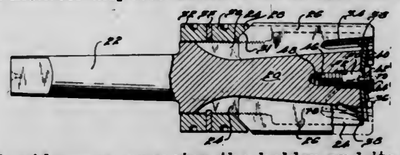
2,249,436
PORTABLE VAPOR BATH
Samuel J. Preston, Newark, N. J.
Application April 25, 1940, Serial No. 331,510
4 Claims. (Cl. 4—163)



1. In an apparatus for treating disease, an elongated pliable and collapsible tubular envelope of a size adapted to inclose the entire body of a patient while exposing the head of the patient, said envelope being sufficiently pliable to permit being placed flat on a bed substantially throughout its entire length, a receptacle for a liquid positioned at the foot end of said envelope, means at the foot end portion of said envelope and being detachably secured to said receptacle for preventing said envelope from collapsing, the head end portion of said pliable envelope being adapted to fit the neck of the patient, said foot end portion having an opening, heating means for vaporizing a liquid and communicating with said opening in said foot end portion, said envelope having electric current regulating means secured thereto and having an opening permitting outward passage of an arm of a patient for adjusting said regulating means and the temperature within said envelope.

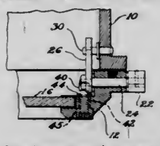
2,249,437
ADJUSTABLE REAMER
Harry C. Satterthwaite, Oakland County, Mich.
Application March 2, 1938, Serial No. 193,388
6 Claims. (Cl. 77—75.5)

4. A reamer comprising a holder having a plurality of slots therein spaced therearound, means forming a communicating groove in said holder which communicates with each of said slots, a cutter disposed in each of said slots, each of said cutters having a recess therein adjacent the forward end thereof and adjacent said means, said means and said recess being arranged at different angles to the longitudinal axis of the cutter, a ball member disposed within each of said recesses



and said means engaging the holder and its respective cutter to wedge the forward end of each cutter radially inwardly, means having yieldable fingers slidably engaging each of said ball members to independently urge each of said ball members into wedging position, and means engaging the rear end of each cutter for adjustably fixing said cutters longitudinally of said holder.

2,249,438
INSTRUMENT CASE LOCK
Norman J. Smith, Medfield, Mass., assignor to Crosby Steam Gage & Valve Company, Boston, Mass., a corporation of Massachusetts
Application March 21, 1939, Serial No. 263,226
1 Claim. (Cl. 70—58)

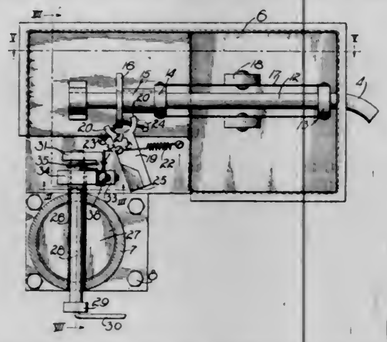


A lock for an instrument case having a stationary housing portion and a swinging front portion, a latch member pivotally mounted on the front portion and having an open-ended camming slot, a stationary latch pin positioned at the inside of the housing portion adjacent the rim, the latch member in the vertical position of the instrument normally seeking a position by gravity in which the open mouth of the camming slot is aligned with the latch pin upon closure of the front portion, a handle mounted exteriorly of the front and connected with the latch member, the handle serving to rotate the latch member after closure of the front portion and entrance of the latch pin into the camming slot, the turning movement of the latch member drawing the front portion into secure relation through the action of the camming slot in drawing the latch pin toward the pivot of the latch member, a locking wedge movable in a plane angularly disposed to the plane of movement of the latch member and engaging behind the latter when in closed position to prevent movement therefrom, and an operating stud for the locking wedge extending flush with the exterior of the case and designed to be engaged by an operating instrumentality of predetermined shape.

2,249,439
GOVERNOR
William H. Stryker, Elmhurst, Ill., assignor, by mesne assignments, to William H. Stryker and Emma G. Stryker, Elmhurst, Ill., as joint tenants
Application August 23, 1937, Serial No. 160,389
13 Claims. (Cl. 123—108)

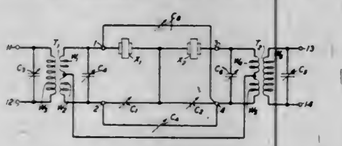
1. In governing mechanism for an internal

combustion engine, manual control means, a throttle valve, and resilient means establishing connection between said manual control means and said valve, and governing means operable upon a predetermined speed to prevent further opening movement of said throttle valve against



the action of said resilient means, said governing means including a member movable with said throttle valve and a speed responsive member movable at an angle to and into the path of movement of said first member and having a cam surface for engaging and moving said first member.

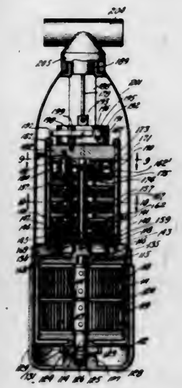
2,249,440
WAVE FILTER
Roger A. Sykes, Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 2, 1939, Serial No. 276,981
20 Claims. (Cl. 178—44)



1. A balanced wave filter comprising a pair of input terminals, a pair of output terminals, a plurality of sections connected in tandem between said pairs of terminals, and means for reducing the capacitive unbalance due to stray capacitance comprising an added capacitor connected between an input terminal and an output terminal whereby the attenuation of the filter outside of the transmission band is increased.

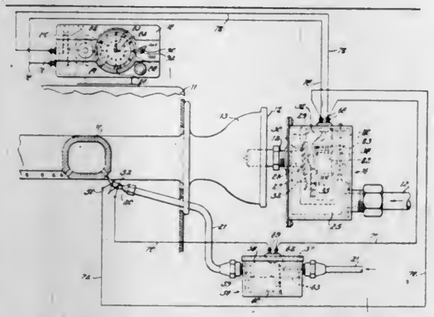
2,249,441
SPRING MOTOR
William S. Sussman, New York, N. Y.
Application October 20, 1939, Serial No. 300,304
4 Claims. (Cl. 185—37)

1. A spring motor comprising a substantially cylindrical housing, a coiled spring positioned within the housing and being secured thereto at its outer terminal, a winding shaft journalled in the center of the housing, the inner end of the spring being secured to said shaft, exteriorly disposed winding means secured to such shaft, a drive shaft carried by the housing, a driven shaft spaced from but in axial alignment with the drive shaft, and a plurality of trains of speed multiplying gears positioned in superimposed relationship between the two shafts to impart higher speed of rotation to the latter than the former, each train comprising an internal gear structure, the lowermost of said structure being carried by the drive shaft, a central driven gear



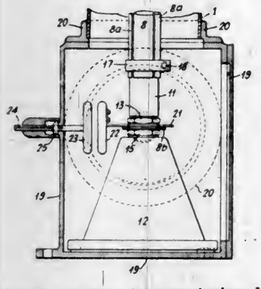
carried by and spaced below each successive internal gear, and an idler gear between the internal gear and the driven gear carried by the next successive internal gear.

2,249,442
BURNER CONTROL APPARATUS
John H. Thornbery, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 31, 1940, Serial No. 354,976
12 Claims. (Cl. 161—9)



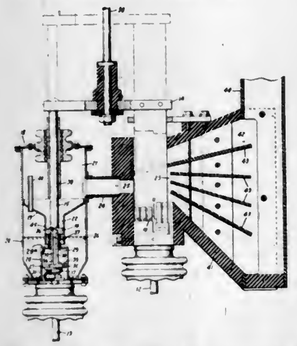
1. In burner control apparatus, the combination with a burner and ignition means for igniting the fuel at said burner, of a thermoelectric circuit having a thermocouple subject to the heat of said ignition means, a thermoelectric responsive valve for governing the flow of fuel to said burner, and thermoelectric responsive control means governing said ignition means, said thermocouple, thermoelectric responsive valve, and said thermoelectric responsive ignition control means being connected in series circuit relation, and a timer controlled shunt circuit provided with a time controlled switch for shunting the thermoelectric responsive valve when the switch is closed, said thermoelectric responsive valve being self-operating to open position by the thermoelectric current when the time controlled switch is opened, and said thermoelectric responsive ignition control means being in series circuit relation with said shunt circuit.

2,249,443
HIGH FREQUENCY CONCENTRIC LINE
William Stuart Leader Tringham, Puttenham, Guildford Surrey, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1937, Serial No. 139,350
Renewed December 6, 1939
In Great Britain April 29, 1936
4 Claims. (Cl. 178—44)



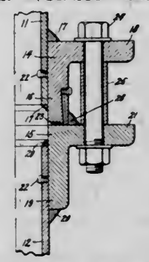
3. A high frequency transmission line comprising an inner and an outer conductor concentrically arranged, said outer conductor having at least one section of enlarged cross-section along its length, a sliding expansion joint located in the run of said outer conductor, a sliding expansion joint for said inner conductor, said inner conductor joint having portions of dimensions differing substantially from the dimensions of said inner conductor and thereby causing a disturbance of the characteristics of said line, said inner conductor joint being located within said section of enlarged cross-section whereby said disturbance is minimized, and means within said section of enlarged cross-section for compensating for the remaining disturbance.

2,249,444
ELECTRIC CIRCUIT BREAKER
Oliver C. Traver, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application May 16, 1940, Serial No. 335,485
14 Claims. (Cl. 200—148)



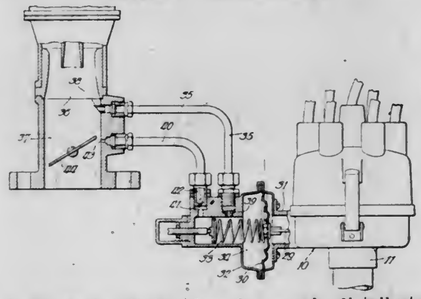
1. An electric circuit breaker including relatively movable contacts, an arc extinguishing liquid, means for forming a pressure generating arc for transforming a portion of said liquid into a gas, said portion being limited to a predetermined part of said liquid, and means for directing said gas through the arc formed upon separation of said contacts to extinguish the arc.

2,249,445
TRANSFORMER CASING
Magnus Unger, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 23, 1939, Serial No. 296,255
1 Claim. (Cl. 285—111)



A separable transformer casing comprising a lower section containing a transformer and an upper section provided with vertically extending bushings, angle strips welded along the adjacent edge portions of said sections, the angle strip of said lower section having a vertical flange welded to said lower section and a horizontal flange extending outwardly above the upper edge thereof presenting a plane surface for clamping a shipping cover thereto, the angle strip of the upper section having a vertical flange welded thereto with the lower edge thereof extending beyond the lower edge of said upper section and a horizontal flange extending outwardly from the upper edge of the vertical flange, the lower edge of said vertical flange of said upper section being adapted to be welded to the upper surface of said angle strip of said lower section.

2,249,446
CIRCUIT BREAKER FOR SPARK DISTRIBUTORS
Albert G. H. Vanderpoel and William Ostling Los Angeles, Calif., assignors to California Machinery and Supply Co., Ltd., Los Angeles Calif., a corporation of Delaware
Application November 29, 1939, Serial No. 306,606
7 Claims. (Cl. 123—117)



1. In a circuit breaker for spark distributors for internal combustion engines, the combination of a cam, a contact carrying breaker arm and a relatively fixed contact, movable supporting means for said breaker arm and said relatively fixed contact, said means being adjustable angularly about said cam, and mechanism connected to said supporting means for adjusting the same angularly about said cam, to advance or retard the spark, said supporting means being operable in its adjustment to decrease the separation of the contacts by said cam during

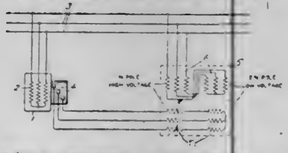
a portion of the angular movement of the supporting means to advance the spark, and said means being operable to maintain the separation of said contacts substantially constant during a further angular movement of the supporting means in a direction to advance the spark, said adjusting mechanism comprising a pressure responsive diaphragm connected with the intake of the carburetor of the engine at two different points therealong with one of the said connections open for flow in either direction and the other open for flow only toward said intake.

2,249,447

ALTERNATING CURRENT COMMUTATOR MOTOR CONTROL

Jack H. Walker and Bernard Adkins, Rugby, England, assignors to General Electric Company, a corporation of New York

Application February 27, 1941, Serial No. 380,924
In Great Britain March 4, 1940
3 Claims. (Cl. 172—274)



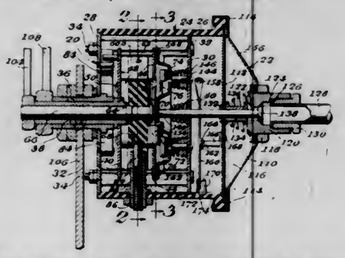
3. A control system comprising a polyphase shunt alternating current commutator motor, a source of supply therefor, and induction regulator apparatus connected between the source of supply and the commutator of said motor, said induction regulator apparatus having two sets of primary and secondary windings and a common core, one primary and secondary winding set having twice the pole number and approximately one-third the voltage transformation ratio as the other set, the secondary windings being connected in reversed phase rotation series relation to the commutator of the motor.

2,249,448

SWITCH-CONTROLLED VACUUM FLASHER

Paul Weien, Marietta, Pa., assignor of one-half to Henry S. Rich, Jr., Marietta, Pa.

Application January 15, 1940, Serial No. 313,863
12 Claims. (Cl. 200—59)



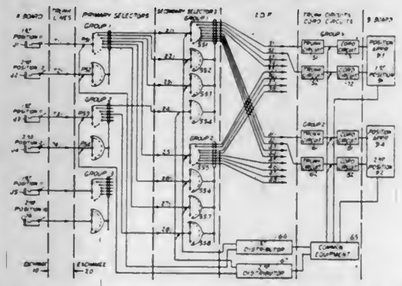
1. The combination with a switch having two movable members for closing different electrical circuits on movement of either member from a neutral position in opposite directions, respectively, and each member having a cam, of a flasher having make-and-break contacts in said circuits and a contractible and normally expanded, vented chamber for causing, on contraction and expansion, engagement and disengagement of said contacts, said chamber having a port providing communication between the former and a partial vacuum and a first valve closing said port on each contraction of said chamber; another valve; a plate spring-urged against said members which are immovable in the direction of movement of the plate, and said plate having depressions registering with said cams when the respective members are in neutral position; and a driving connection between said plate and other valve such that the latter closes said port independently of said first valve when the cams of both members register with said depressions.

2,249,449

TELEPHONE SYSTEM

John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 22, 1940, Serial No. 330,974
18 Claims. (Cl. 179—27)



1. In a telephone system, a B switchboard, a plurality of cord circuits associated with said B switchboard, a plurality of secondary selectors having access to said cord circuits, means for causing idle ones of said secondary selectors to preselect idle ones of said cord circuits, a plurality of primary selectors having access to said secondary selectors, an A switchboard, a plurality of jacks at said A switchboard, a plurality of trunk lines individually associated with said primary selectors and individually terminating in said jacks, means at said A switchboard for routing a call over any one of said trunk lines by way of the corresponding one of said jacks, means controlled when a call is routed over said one trunk line for causing the associated one of said primary selectors to operate and select an idle one of said secondary selectors which has preselected an idle one of said cord circuits, thereby to route the call on said one trunk line straightforward to said B switchboard to be answered, means controlled when a call is routed over said one trunk line for rendering busy said one trunk line, means controlled when said one secondary selector is selected by said one primary selector for rendering busy said one secondary selector and said one cord circuit, and means controlled when all of said secondary selectors are rendered busy for preventing operation of all of said primary selectors and for rendering busy all of said trunk lines.

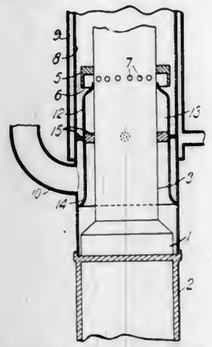
2,249,450

CONDENSATION VACUUM PUMP

Frank Edmund Bancroft, Sale, and Charles Walter Miller, Roundhay, Leeds, England, assignors, by mesne assignments, to General Electric Company, a corporation of New York

Application March 8, 1940, Serial No. 322,936
In Great Britain March 18, 1939
3 Claims. (Cl. 230—101)

1. A diffusion pump including a pump casing providing internal condensing surfaces, a vapor source within the casing, a vapor duct leading upwardly from the said source, a pumping jet supplied with vapor from the said duct and so directed that the discharged vapors are projected downwardly against the condensing surfaces of the pump casing, a fore-vacuum pipe communicating with the interior of the pump casing at a point materially below the said jet and a baffle



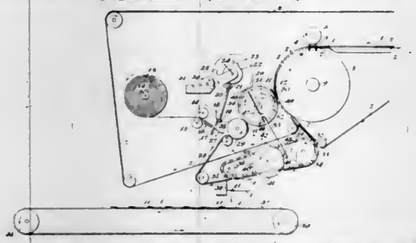
surrounding the said vapor duct and extending generally parallel thereto for a substantial portion of its length, the spacing between the said baffle and the said condensing surfaces being less than about half the spacing between the condensing surfaces and the vapor duct, whereby the passage between the vapor jet and the fore-vacuum pipe is materially restricted by the presence of the baffle.

2,249,451

PATCH APPLYING FOR SATCHEL BOTTOM BAGS

Louis Bischoff, Rupert Loeffler, Jr., and Edward Jaeger, New York, N. Y., assignors to Oneida Paper Products, Inc., New York, N. Y., a corporation of New York

Application March 15, 1938, Serial No. 195,968
6 Claims. (Cl. 93—8)



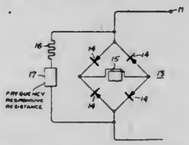
6. An apparatus for applying patches to bag bottoms comprising, in combination, a bag gripper cylinder; means for holding a roll of patch material; means for drawing patch material from said roll of patch material; means for severing said roll of patch material to provide patches comprising a reciprocating knife operated by a cam; means comprising a drum and travelling tape for conveying said patch to a patch gripper cylinder; paste applying means comprising an arcuate section rotating about an axis common to the cam that operates the knife; and a patch gripper cylinder carrying a patch gripper pivoted thereon, said patch gripper terminating in a roller adapted to ride freely upon a cam, said patch gripper being positioned to carry a patch from said drum to said bag gripper cylinder, said patch gripper cylinder being positioned adjacent said bag gripper cylinder whereby said patch gripper cylinder applies a patch to the bag on the bag gripper cylinder; and means for pressing the patch on to the bag and for delivering the bag to a conveyor.

2,249,452

ELECTRICAL MEASURING APPARATUS

Hans Boekels, Berlin-Wannsee, and Adolf Brosch, Berlin-Treptow, Germany, assignors to General Electric Company, a corporation of New York

Application February 16, 1940, Serial No. 319,370
In Germany January 2, 1939
3 Claims. (Cl. 171—95)



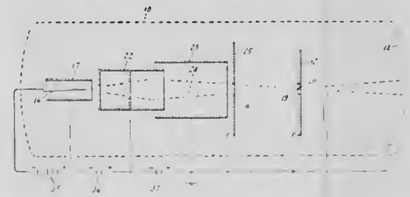
1. In apparatus for measuring alternating current quantities, a rectifier having input terminals for connection to the alternating current quantity to be measured and having the characteristic of decreasing its direct current output in accordance with increases in the frequency of the alternating current quantity connected thereto, a direct current responsive element connected in circuit with the output terminals of said rectifier, and a substantially non-inductive resistance element composed of magnetic material and having a skin effect resistance ratio which increases substantially with frequency connected in shunt with the input terminals of said rectifier for compensating for errors due to variations in the frequency of said alternating current quantity.

2,249,453

ELECTRON MICROSCOPE

Hans Boersch and Hans Mahl, Berlin-Reinickendorf, Germany, assignors to General Electric Company, a corporation of New York

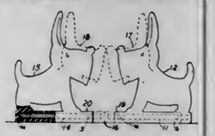
Application April 29, 1940, Serial No. 332,334
In Germany December 2, 1938
4 Claims. (Cl. 250—141)



1. An apparatus for investigating objects of microscopic dimensions by electron optical means comprising means for supporting an object to be investigated, means providing an image-reproducing surface, and means for projecting a beam of electrons through the object toward the surface, said last-named means including a cathode which is materially spaced from the object-supporting means and which has an active emitting surface of essentially point dimensions, and an electron lens system for causing electrons proceeding from said cathode to pass through a region of essentially point dimensions in close proximity to the plane of the object, the space between the object and the image-reproducing surface being substantially devoid of electric and

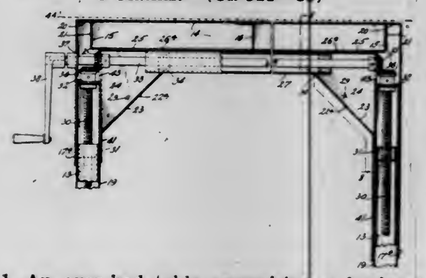
magnetic fields so that electrons are free to proceed along substantially straight divergent paths from the said region to the said surface.

2,249,454
MAGNETIC NOVELTY
Walter J. Brake, Decatur, Ind., assignor to General Electric Company, a corporation of New York
Application June 22, 1939, Serial No. 280,550
3 Claims. (Cl. 46—45)



1. In combination, a pair of cooperating magnetic articles, each of which comprises a miniature figure and a permanent magnet, said miniature figure being secured to said permanent magnet, each of said articles being freely movable in all directions over a horizontal surface, and the magnets being secured to said figures in a manner to produce interacting magnetic fluxes whereby upon manual movement of one of said figures with respect to the other adjacent figure said other figure may be made to assume any one of several different positions on said surface.

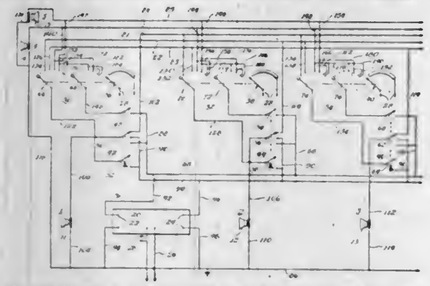
2,249,455
OVER-BED TABLE
John Bigelow Caldwell, Buffalo, N. Y.
Application July 3, 1940, Serial No. 343,815
8 Claims. (Cl. 311—39)



1. An over-bed table comprising a horizontal top frame adapted to extend crosswise over a bed and having vertical end panels rigid with and depending from opposite ends of said horizontal frame and adapted to straddle the bed, each of said end panels comprising a metal plate having its opposite upright edge portions bent to form spaced vertical tubular guide members, separated upright end supports at opposite ends of said frame each having a base and spaced vertical guide members rigid with and rising from said base and telescopically engaging in said tubular guide members of an end panel, said guide members of the end support being connected above the base only by said panel and means for adjusting said frame vertically on said end supports.

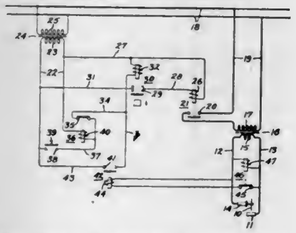
2,249,456
COMMUNICATION SYSTEM
Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application March 25, 1940, Serial No. 325,669
16 Claims. (Cl. 179—1)

1. In an intercommunication system, the combination including, an amplifier having input and output connections, a plurality of stations each including a translating device utilizable as a microphone and a receiver, a multi-position communication control switch and circuits controlled thereby, and interstation circuits individual to



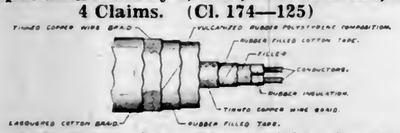
each station, said circuits and switches being so constructed and arranged that the devices at each station are connected to the interstation circuit individual to the station directly through the switch in one position of the switch thereat and to the input and output of the amplifier in other positions of the switch.

2,249,457
ARC WELDING SYSTEM
James T. Catlett, Scotia, N. Y., and Jasper E. Anderson, Saugus, Mass., assignors to General Electric Company, a corporation of New York
Application February 24, 1940, Serial No. 320,594
9 Claims. (Cl. 219—8)



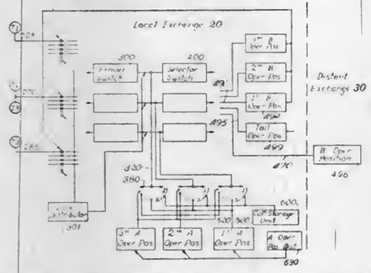
1. An arc welding system comprising a source of supply, an arc welding circuit, and means responsive to the operation of maximum and minimum voltage relays connected to be responsive to the voltage of said arc welding circuit for controlling the connection of said arc welding circuit with said source of supply.

2,249,458
ELECTRICAL INSULATION
Evan T. Croasdale, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 5, 1938, Serial No. 183,474
4 Claims. (Cl. 174—125)



1. A flexible, rubber-like, electrical insulation exhibiting low power factor and low specific inductive capacity at normal and radio frequencies comprising essentially a wax-free vulcanized mixture of rubber and polystyrene, the polystyrene comprising not over 40 per cent by weight of the rubber in the mixture.

2,249,459
TELEPHONE SYSTEM
Thomas F. Crocker, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 29, 1939, Serial No. 311,551
73 Claims. (Cl. 179—27)



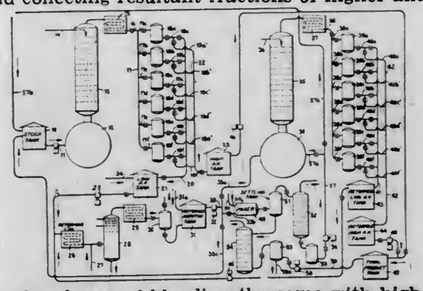
1. In a telephone system, a plurality of subscriber lines, a plurality of A operator positions, a B operator position, means for establishing a connection between a calling one of said subscriber lines and an idle one of said A operator positions, means for establishing a connection between said one A operator position and said B operator position, means under the control of an operator at said one A operator position for establishing a connection between said one subscriber line and said B operator position excluding said one A operator position, aind means under the control of an operator at said B operator position for positively selecting an idle one of said A operator positions to supervise the established connection between said one subscriber line and said B operator position.

2,249,460
RESINOUS COMPOSITION
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application November 23, 1938, Serial No. 242,021
4 Claims. (Cl. 260—19)

1. The method of preparing a light-colored, oil-soluble resinous composition which comprises causing to react to resin formation unsymmetrical para phenol-phenyl ethane and formaldehyde in the ratio of 1 mol of the former to from 1 to 1.5 mols of the latter and in the presence of oxalic acid as a catalyst for the reaction.

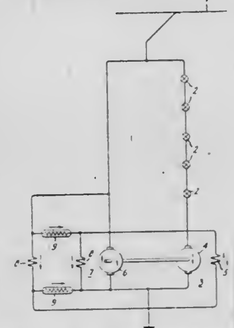
2,249,461
MANUFACTURE OF ANTIKNOCK GASOLINE
Fred F. Diwoky, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 17, 1937, Serial No. 159,473
4 Claims. (Cl. 196—50)

1. In the manufacture of high anti-knock gasoline, the process that comprises primarily subjecting a gasoline stock to fractionation to separate it into a plurality of fractions of different boiling points, collecting from said fractions those fractions having relatively lower anti-knock values, subjecting the fractions thus collected to reforming conditions to effect transformation into products of increased anti-knock value including olefinic constituents, treating resultant liquid products of the reforming to separate out liquid olefinic constituents, subjecting the remaining products to fractionation to form a plurality of fractions of such narrow boiling ranges that each fraction possesses substantially only relatively high or low anti-knock values which, when plotted in relation to boiling points, exhibit an irregular or discontinuous curvilinear function, and collecting resultant fractions of higher anti-



knock values and blending the same with higher anti-knock value fractions separated out in the primary fractionation to form a composite gasoline of high anti-knock value.

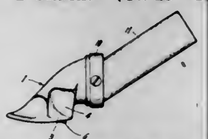
2,249,462
VOLTAGE REGULATING SYSTEM
Ernst Dozler, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York
Application June 24, 1940, Serial No. 342,155
In Germany June 17, 1939
5 Claims. (Cl. 171—225)



1. In combination, a direct-current load for operation at a predetermined voltage, a direct-current source of supply for said load whose voltage may differ from said predetermined voltage, two means for automatically maintaining the voltage of said load at said predetermined value comprising first and second direct-current commutator type dynamo-electric machines whose armatures are mechanically connected together and electrically connected across said source of supply, said load being connected in series with the armature of said first machine, said first machine having a field winding and said second machine having a pair of field coils, and a pair of non-linear resistors interconnected with said pair of field coils to form a Wheatstone bridge having input terminals connected across said source of supply whereby said second machine is effectively a shunt connected machine whose direction of rotation is fixed, said Wheatstone bridge having output terminals connected across said field winding, said Wheatstone bridge circuit being unbalanced in such a direction when the supply voltage is less than said predetermined load voltage that it causes current to flow in said field winding of such magnitude and such direction as to cause said first machine to oper-

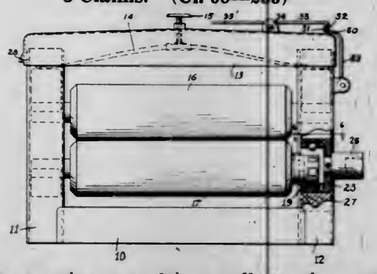
ate as a generator driven by said second machine for equalizing the difference between the supply voltage and said predetermined load voltage.

2,249,463
SUCTION NOZZLE
Ralph E. Dunbar, East Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio, a corporation of New York
Application July 21, 1939, Serial No. 285,709
1 Claim. (Cl. 15—158)



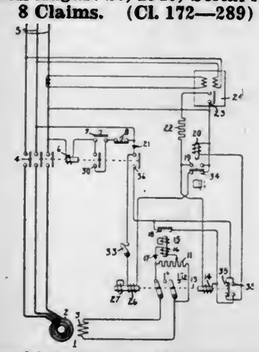
In a vacuum cleaner, a suction nozzle having front and rear surface engaging lips and provisions for connection with a suction tube which serves as a handle for moving the nozzle over the surface being cleaned, shoes at the ends of the nozzle inclined rearwardly and upwardly from the rear nozzle lip, and a brush extending along the nozzle at the rear of the rear nozzle lip opposite the intermediate portions of the shoes and in front of the rear ends of the shoes, said brush projecting below the plane of said intermediate portions of the shoes but not to the plane of the front ends of the shoes whereby the brush engages the surface being cleaned when the nozzle is tilted rearwardly on said shoes to raise the nozzle lips.

2,249,464
WRINGER ROLL STOP MECHANISM
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa
Application June 9, 1934, Serial No. 729,848
Renewed August 17, 1939
3 Claims. (Cl. 68—233)



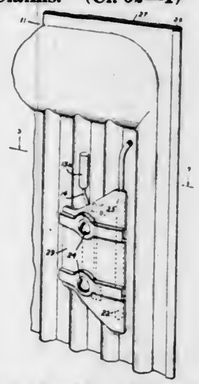
3. In a wringer, a driven roll member and a driving member therefor, one of said members equipped with a hollow cylinder, inwardly projecting rotatable devices mounted in and partially confined in bearings formed in the inner face of the circumferential wall of said cylinder, said devices being equally spaced from each other and from the axis of the cylinder, a shaft rigid with the other member and being of diameter to be rotatable relatively to said cylinder when disposed concentric with the latter, whereby to cause the roll member to remain normally idle, an idle roll associated with said driven roll, spring means manipulable to force said idle roll against said driven roll member to a position eccentric to the driving member, said shaft equipped with recesses in which said rotatable devices engage successively while said shaft is in said eccentric position, thereby driving the latter.

2,249,465
CONTROL SYSTEM FOR SYNCHRONOUS MACHINES
Samuel C. Ewing, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application August 27, 1940, Serial No. 354,375
8 Claims. (Cl. 172—289)



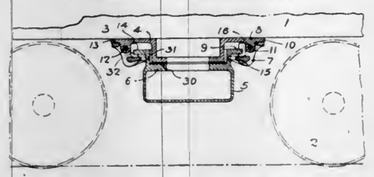
1. In combination, a synchronous machine having a field winding, a source of excitation, a field switch for connecting said source to said winding, means for closing said switch, means for holding said switch in its open position and for effecting the movement of said switch from its closed position to its open position when said closing means is inoperative and said holding means is operative, means for rendering said holding means operative while said machine is not in operation, means for starting said machine and for rendering said holding means inoperative during the starting operation of said machine, means for rendering said closing means operative after said machine is started and said holding means has been rendered inoperative, means responsive to the closing of said field switch for rendering said holding means operative, and means responsive to said machine falling out of step for rendering said closing means inoperative whereby said field switch is opened by said holding means.

2,249,466
FROST MEASURING DEVICE
Ernest J. Fields, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application January 17, 1939, Serial No. 251,341
8 Claims. (Cl. 62—1)



1. In a mechanical refrigerator, a cooling unit, and a frost measuring device so arranged with respect to said cooling unit that an accumulation of frost on said unit of predetermined thickness will conceal said device from the view of the user sighting along the surface of said unit associated with said device whereby the user is apprised of the need for defrosting said unit, at least a portion of said device having relatively low heat conductivity characteristics in order to minimize the accumulation of frost on said measuring device.

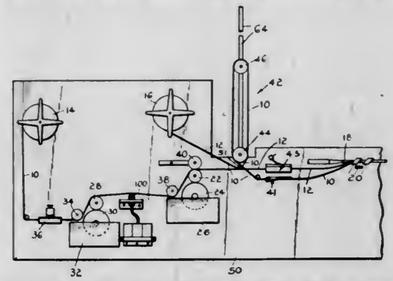
2,249,467
SAFETY HOOK DEVICE FOR RAILWAY VEHICLE TRUCKS
Raymond J. Finch, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application November 12, 1940, Serial No. 365,241
4 Claims. (Cl. 105—200)



1. A railway vehicle comprising a superstructure; a truck; a center pin-plate structure including a center pin element and a center plate element, one of said elements being carried by said superstructure and the other of said elements being carried by said truck; and devices spaced from each other circumferentially about said center pin-plate structure for holding said superstructure and truck together, preventing accidental separation thereof and permitting said truck to be carried by said superstructure when said superstructure is raised or lowered, each of said devices including two members, each provided with a horizontal flange, the flanges overlapping each other for coaction with each other, one of said members having a support secured to said superstructure, a body rigidly supporting its said flange, and a horizontally disposed pin extending through said body and said support detachably securing said body to said support, said body having a portion at each side of said pin engaging said superstructure to prevent rotation of said body about said pin, and the other of said members being secured to said truck, said body supported flange being directed toward said elements and the other of said flanges being directed away from said elements and being disposed above said body supported flange.

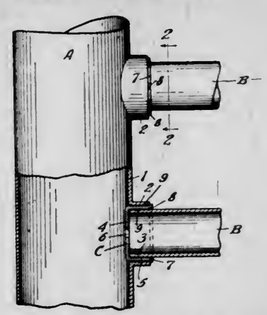
2,249,468
TUBE AND METHOD OF MAKING THE SAME
Albert M. Goldstein, Far Rockaway, and Harry Schoen, Brooklyn, N. Y., assignors to Eagle Straw Corporation, Brooklyn, N. Y., a corporation of New York
Application September 10, 1936, Serial No. 100,096
20 Claims. (Cl. 41—21)

15. The method of making colored transparent drinking "straws" from strips of transparent sheet material capable of being softened by a solvent for said material, according to which method the strips are spirally wound on a mandrel to form the tube, said method comprising passing a plurality of said strips to the mandrel, moistening at least one of said strips, in the course of its travel to the mandrel, with a solvent therefor carrying a coloring agent whereby said strip is simultaneously colored and rendered adhesive, applying to a part only of one surface of one of said strips a coloring agent which contrasts with the color of said strip, and while the solvent



treated strip is still soft winding the same together with another of said strips on said mandrel to form a tube in contrasting colors.

2,249,469
ORIFICE ELEMENT FOR JOINTS
John E. Gray and William M. Parker, Port Huron, Mich., assignors to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan
Application October 4, 1940, Serial No. 359,710
2 Claims. (Cl. 285—106)

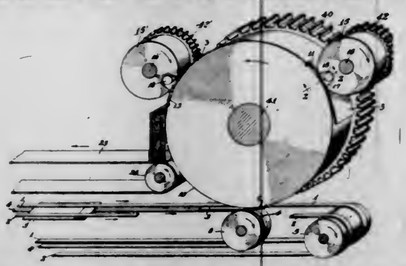


1. In a structure of the class described, the combination of a header having an opening in its wall and a cylindrical flange surrounding the opening to form a communicating passage with said header, a cup-shaped member comprising a cylindrical tubular portion positioned within said flange and having a transverse wall at its inner end provided with an orifice, said cylinder portion having projections outstanding from its outer wall and bearing against the rim of the cylindrical flange, a pipe telescoped with said cylindrical portion with its end seated against the transverse wall, and solder sealing material between the flange and the cylindrical portion and between the cylindrical portion and the pipe.

2,249,470
APPARATUS FOR UNITING WAX COATED PAPER
Harold E. Haliman, Catonsville, Md.
Application August 27, 1938, Serial No. 227,117
7 Claims. (Cl. 93—8)

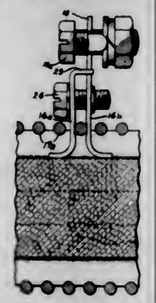
1. An apparatus for sealing bags made from wax coated paper which comprises a drum, means mounted on the drum for holding the bags, a roll mounted adjacent said drum, said roll having a cut-away section, an exposed radiant heater located within said cut-away section, driving means between said roll and said drum adapted to move

said roll and said drum in synchronous movement so that the cut-away section of said roll is



positioned over that portion of the bag to be sealed.

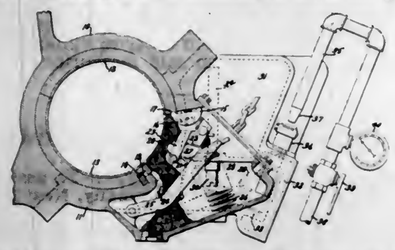
2,249,471
TERMINAL
George H. Hamm and Claude A. Jagger, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 9, 1939, Serial No. 303,641
2 Claims. (Cl. 173—324)



2. A terminal for a substantially rigid resistor wire wound on an insulating support having supporting projections whereby a portion of a turn is in spaced relation with said support, comprising two complementary members provided with registering flat bottom grooves, a screw for clamping said members together with said portion of the resistor wire between them clamped in said grooves, a pair of projections on the lower end of each of said members extending laterally outward in a direction away from the other member and engaging said support so as to secure said terminal against turning movement on the portion of a turn, cooperating projections on the upper ends of said members for securing said members against turning movement with respect to each other about said screw, and spacing means carried by one of said members for spacing said members with the bottoms of said grooves diverging with respect to each other in a direction away from said support thereby to bias slidably said members on the resistor wire toward said support and force said projections against said support.

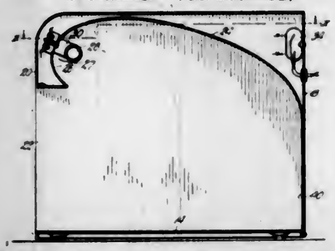
2,249,472
SPLIT BEARING
Max R. Hanna, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 19, 1939, Serial No. 310,026
4 Claims. (Cl. 308—132)

1. A bearing including a split sleeve member and a split bearing lining supported by said sleeve member, a lubricating window in said bearing lining at one of its splits, said sleeve member and said lining being arranged so that the plane of division of said bearing lining is substantially at right angles to the plane of division of said bearing sleeve member so that the point



of maximum bearing pressure will occur on that portion of said bearing lining adjacent the plane of division of said sleeve member and the point of minimum bearing pressure will occur on that portion of said bearing lining adjacent said lubricating window.

2,249,473
ELECTRIC STERILIZER
John P. Jackson and Richmond C. Johnson, Marshall, Mo., assignors to Herbert Wolcott, Columbia, Mo.
Application July 12, 1939, Serial No. 283,940
6 Claims. (Cl. 250—51)

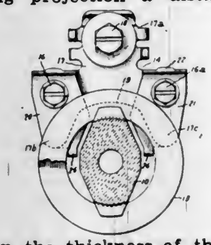


1. A sterilizing apparatus comprising a cabinet having a front opening extending upwardly from the bottom thereof to a line adjacent and spaced apart from the top of the cabinet; a substantially partial elliptical shaped reflector positioned in the upper portion of said cabinet with its major axis extending rearwardly and downwardly to the rear of the cabinet and having a downwardly extending planar section disposed adjacent the rear wall of the cabinet; and an electric ultra-violet ray lamp positioned within said cabinet adjacent the front portion of said reflector and above said front opening whereby all the direct and indirect ultra-violet rays are reflected downwardly toward the bottom of said cabinet.

2,249,474
ELECTRIC TERMINAL
Claude A. Jagger and George H. Hamm, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application October 26, 1939, Serial No. 301,405
2 Claims. (Cl. 173—324)

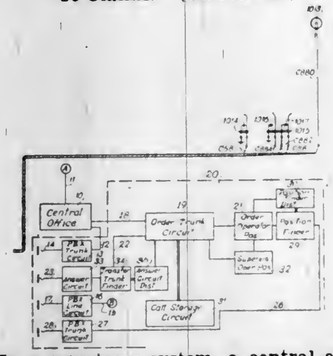
1. An electric terminal for an edge-wound ribbon resistor comprising a body member having a central upstanding portion provided with means for effecting an electric connection therewith, a pair of spaced clamping projections on the lower end of said member for engagement with one side of a turn of a resistor, a separate

clamping member for each of said clamping projections, a screw for securing each of said clamping members to its clamping projection to clamp the sides of the resistor turn between them, said screw forming a stop for engagement with the outer edge of the resistor turn thereby to position said terminal inwardly on the resistor turn, a shoulder on the upper end of each of said clamping members engaging said clamping projection and spacing said clamping member from its clamping projection a distance somewhat



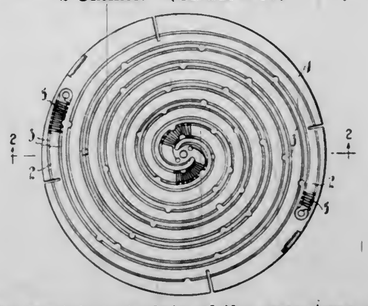
greater than the thickness of the resistor turn so that when said screw is tightened said clamping member is bent somewhat to draw said clamping member flat against substantially the entire side of the resistor turn lying between said clamping member and said clamping projection, and a laterally extending positioning projection on the lower end of each of said clamping members extending across the inner edge of said turn to position said terminal outwardly on the resistor turn.

2,249,475
TELEPHONE SYSTEM
Frank Kessler, Villa Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 29, 1939, Serial No. 311,527
16 Claims. (Cl. 179—27)



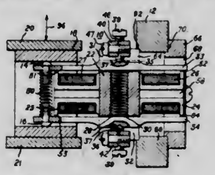
1. In a telephone system, a central exchange, a branch exchange area including a plurality of special operators' positions and branch exchange switching means, regular trunks extending from said central exchange to said switching means, special call trunks extending from said central exchange to said branch exchange area, trunk circuits individual to said special call trunks and including means for routing calls on the associated trunks to idle ones of said special operators' positions, transfer trunks individually associated with said trunk circuits, and automatic switching means having access to said transfer trunks and controllable from said special operators' positions for transferring calls present on said special call trunks over said transfer trunks to said branch exchange switching means.

2,249,476
ELECTRIC HOT PLATE
John A. Knight, Hamilton, Ontario, Canada
Application September 26, 1938, Serial No. 231,630
2 Claims. (Cl. 219—37)



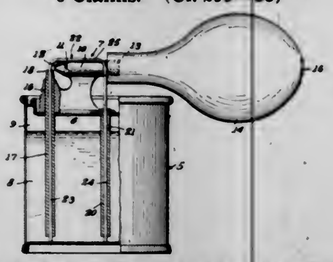
1. An electric hot plate of the open type comprising a grooved refractory disc; a uniplane resistance element positioned in the groove and formed of a zig-zag wire; shoulders formed on the walls of the groove above its bottom on which the edges of the element rest to hold it in spaced relation to the bottom of the groove; and lugs on said walls adapted to hold down the edge of said element, whereby the uniplane resistance element is supported and retained with substantially its entire upper surface in close and unobstructed heat radiating relation to the bottom of a vessel to be heated and positioned on the device, the upper surface of the refractory disc being dished so that it follows a concave surface of revolution.

2,249,477
ELECTRIC GAUGE
Hans P. Kuehni, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 24, 1940, Serial No. 354,103
9 Claims. (Cl. 33—178)



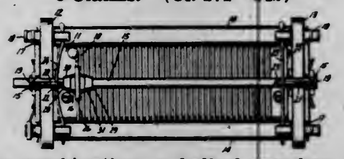
1. In an electric gauge for measuring dimensions of bodies, a support, a pair of spaced members mounted on said support for pivotal movement with respect thereto, said members having portions of magnetic material and contact portions adapted to be spaced apart in accordance with the dimension of the body to be measured, means composed of magnetic material associated with said support and cooperating with the magnetic portions of said members to form air gaps, said air gaps being variable in accordance with relative movements of said members and said magnetic material means, current conducting winding means for exciting the magnetic circuits including said magnetic material means and the magnetic portions of said members, the reactance of said winding means being changed in response to variation of said air gaps, an alternating current bridge circuit including said winding means, and current responsive means energized in accordance with the unbalance of said bridge circuit to measure the relative displacement of said contact portions.

2,249,478
LIQUID SPRAYING CONTAINER
Max Lassmann, New York, N. Y.
Application November 30, 1939, Serial No. 306,775
In France June 10, 1939
6 Claims. (Cl. 299—88)



2. A device of the character described comprising a liquid container having a tightly fitted cover, means carried by said cover for spraying liquid from said container, said means including a tube for passing liquid from said container and an air tube for communicating the space within the container and above the liquid therein with atmosphere, the liquid passing tube terminating at a point above the top end of the air tube, and a member having portions arranged to seal both of said tubes, said member comprising a U-shaped piece of wire having leg portions disposed within said tubes.

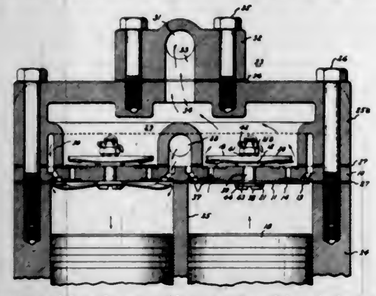
2,249,479
STOP MEANS FOR ROTARY INDUCTANCES
Edward A. Leach, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 28, 1939, Serial No. 306,507
6 Claims. (Cl. 171—242)



1. In combination, a helical member, means to rotate said member, a traveling member in contact with said helical member and adapted to be moved thereby longitudinally thereof, and means to stop said helical member comprising a member arranged to rotate with said helical member and means actuated by said traveling member to engage said third-named member after a predetermined number of revolutions of said helical member.

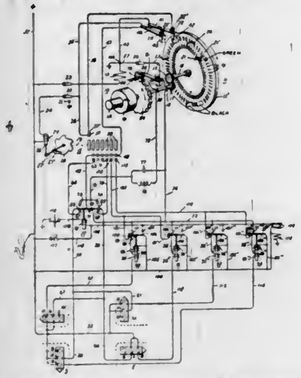
2,249,480
COMPRESSOR VALVE
Clifford W. Leegard, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application July 14, 1939, Serial No. 284,462
5 Claims. (Cl. 251—119)

2. In a valve assembly for compressors or the like, a relatively resilient valve member comprising a clamping portion, a valve portion and a plurality of arms for supporting said valve portion from said clamping portion, and a retainer member for limiting movement of said valve member in one direction, the surface of said retainer member presented to said valve member being so shaped that the part of said valve portion which is intermediate the junctions of said valve portion and said arms contacts said retainer first and the area of contact



between said valve portion and said retainer surface increases progressively from said first point of contact toward said junctions as said valve moves to its open position.

2,249,481
TRAFFIC SIGNAL CONTROLLER
Vincent W. Leonard, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application October 3, 1939, Serial No. 297,703
5 Claims. (Cl. 177—337)

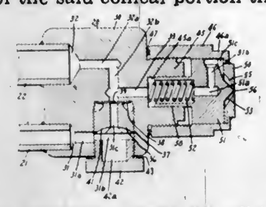


1. In a traffic signal system, the combination of a group of traffic signals, a motor operated switch operable to energize said signals in a predetermined sequence and at predetermined time intervals, a relay responsive to current flowing to said signals and arranged to operate its contacts to closed position upon the failure of one of said signals, a second relay operated to closed contact position only when current is available for operating said signals, signal failure indicating means, and a third relay energized through the contacts of said first two relays upon the failure of said signal, said third relay operating to interrupt said sequence operation of said group of signals and to energize said failure indicating means.

2,249,482
OIL BURNER NOZZLE
Aldo Macchi, Belleville, N. J., assignor to General Electric Company, a corporation of New York
Application February 24, 1940, Serial No. 320,558
6 Claims. (Cl. 299—140)

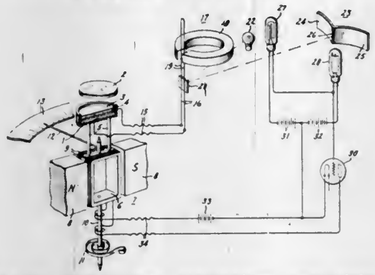
1. In an atomizing nozzle for oil burners, in combination, a body having separate oil and air

inlet passages formed therein with said passages joined together inside said body to form an oil and air mixing chamber in said body, and a pair of cooperating orifice elements removably clamped to said body in spring biased engagement with each other and provided with complementary nested and spaced apart opposing conical portions forming therebetween an annular oil and air mixing chamber communicating with said first mixing chamber in said nozzle body with one of said cooperating orifice elements having a restricted discharge orifice located at the apex of the said conical portion thereof.



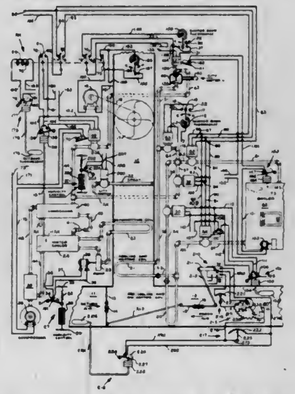
3. In an atomizing nozzle for oil burners, in combination a nozzle tip having a discharge orifice, and oil and air mixing means adjacent said orifice, a connection block having means at one end thereof for removably mounting said nozzle tip, said block having separate oil and air pressure supply pipe sockets formed at the other end thereof and an air pressure supply passage communicating between said air pipe socket and said nozzle tip orifice means, said block having a well formed in a side thereof with the end of the well adjacent to and communicating with said air pressure supply passage and having a passage communicating between the side of said well and said oil pipe socket, an annular plug removably seated within said well and provided with a thin walled sharp edged orifice at the end of said well for controlling the initial mixing of the oil with the air, and a sealing plug removably mounted in the mouth of said well.

2,249,483
LIGHT INDICATING APPARATUS
Jesse L. Michaelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 30, 1939, Serial No. 306,917
2 Claims. (Cl. 88—23)



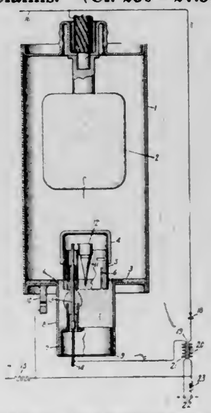
1. Light indicating apparatus comprising a photoelectric device arranged to receive the light to be indicated, a plurality of light polarizing members arranged in the path of light received by said device, a biasing member tending to rotate one of said polarizing members in one direction, electromagnetic means for rotating said one member in the other direction, a light reflecting galvanometer connected to be energized by the output of said device, means responsive to a deflection of the light beam of said galvanometer greater or less than a predetermined amount for controlling the energization of said electromagnetic means and an indicator associated with said one polarizing member.

2,249,484
AIR CONDITIONING SYSTEM
Leo B. Miller and Henry F. Dever, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 17, 1934, Serial No. 757,850
26 Claims. (Cl. 257—3)



1. An air conditioning system of the class described, comprising, in combination, means to pass air to a space, first and second coils over which said air passes in the order named, a source of heating fluid, a source of cooling fluid, piping connections interconnecting said coils and sources of heating and cooling fluids, valve means in control of said connections, and control means controlling said valve means selectively to direct the heating fluid through said coils in parallel or to direct the cooling fluid through said coils in series.

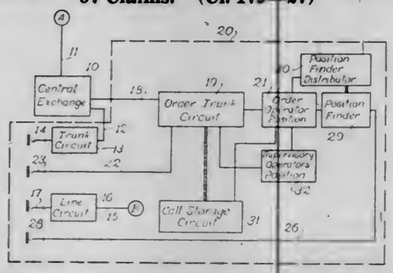
2,249,485
ELECTRIC DISCHARGE APPARATUS
Lawrence D. Miles, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application September 16, 1939, Serial No. 295,325
9 Claims. (Cl. 250—27.5)



1. In combination, an electric valve means hav-

ing an anode, a cathode of the pool type, a control member of the immersion-ignitor type associated with said cathode and a support for maintaining said control member in operative relation with said cathode, means for supplying to said control member a voltage sufficient to initiate an arc discharge between said anode and said cathode, and means for supplying to said support a voltage of a magnitude insufficient in itself to initiate an arc discharge but sufficient to maintain an arc discharge within said electric valve means after an arc discharge has been established by the energization of said control member.

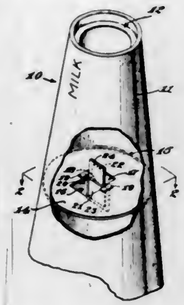
2,249,486
TELEPHONE SYSTEM
Imre Molnar, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 29, 1939, Serial No. 311,546
57 Claims. (Cl. 179—27)



1. In a telephone system comprising a central exchange, a branch exchange including an operator's position and a plurality of trunks extending between said exchanges; additional apparatus for handling calls of a special character routed from said central exchange to the branch exchange area, said apparatus comprising a plurality of special operators' positions, special call trunks extending from said central exchange to said branch exchange area, transfer trunks extending to said branch exchange operator's position, trunk circuits individual to said special call trunks and each including means for routing calls on the associated trunk to idle ones of said special operators' positions, and transfer relays individual to said trunk circuits, each of said transfer relays being controllable from any one of said special operators' positions to split an established talking circuit including the associated trunk and to route the call present on the associated trunk over one of said transfer trunks to said branch exchange operator's position.

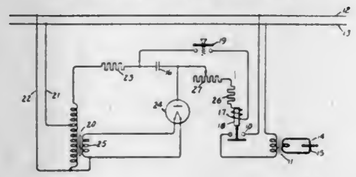
2,249,487
LIQUID SEPARATING CONTAINER
Herbert G. Musolf, Long Beach, Calif.
Application February 13, 1940, Serial No. 318,682
9 Claims. (Cl. 210—51.5)

1. A container for milk and cream having an opening at its upper end, a partition mounted in the container to extend on a predetermined cream line and having an opening therein, and a valve pivoted between its ends on said partition and having the portion thereof on one side of the pivot of greater area than the portion on the other side of the pivot and disposed to move outwardly to seat against the inner side of the partition over a part of said opening while the smaller portion of the valve is disposed to move inwardly to seat on the outer side of the partition over the remainder of said opening, said valve being buoyant and subject to opening and closing



responsive to hydrostatic pressure of the liquid in the container.

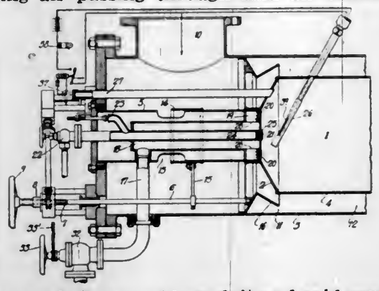
2,249,488
TIMING DEVICE
Clifford A. Nickle, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 10, 1940, Serial No. 328,937
8 Claims. (Cl. 175—320)



1. A timing device including a member biased in one position, a coil for moving said member to a second position, a capacitor, a source of power, means for connecting said source to said capacitor for charging said capacitor, and means including a switch for connecting said coil in series with said capacitor so that said capacitor will discharge through said coil in order to move said member to said second position for instituting the running of a predetermined time, said member being held in said second position until the discharging current decreases to such a value that said member will move to said first position terminating the running of said predetermined time.

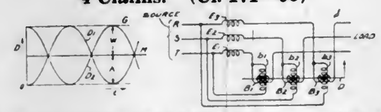
2,249,489
COMBUSTION APPARATUS
Walter Gustav Noack, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application May 25, 1938, Serial No. 209,907
8 Claims. (Cl. 158—1)

1. A high capacity combustion apparatus for the production of pressure gas having moderate temperature comprising, in combination, a pressure resisting air carrying conduit, a heat resisting combustion chamber situated substantially centrally within and shielding said conduit from radiant heat and being externally cooled by air flowing through said conduit, a fuel supply conduit connected with said combustion chamber and disposed within said air conduit and an annular valve member disposed within said air conduit and between said air conduit and said combustion chamber for controlling the amount of cooling air passing through said air conduit in



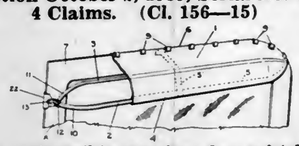
the space between said conduit and said combustion chamber.

2,249,490
CURRENT RESPONSIVE DEVICE
Werner Nürnberg, Berlin-Weissensee, Germany, assignor to General Electric Company, a corporation of New York
Application November 27, 1939, Serial No. 306,393
In Germany December 6, 1938
4 Claims. (Cl. 171—95)



1. A measuring device for low-frequency alternating current circuits comprising a plurality of current responsive units in which double frequency torques are produced varying in peak magnitude in dependence upon variations in the electrical quantity to be measured, all of said units being of the same type and design and connected for measuring the same class of electrical quantity, and connections for applying the electrical quantities to said units with different phase relationships in phase symmetry to neutralize the said double frequency torques, said units each comprising stationary and movable elements, all the latter being mechanically connected to aid each other.

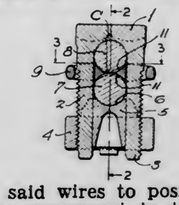
2,249,491
AWNING
Jerry H. O'Brien, Wichita, Kans.
Application October 2, 1939, Serial No. 297,464
4 Claims. (Cl. 156—15)



2. In a collapsible awning for vehicle doors, a frame structure, brackets for pivotally securing the frame structure to the door, a fabric covering on the frame, the lower edge of the covering being secured to the frame, the upper edge of the covering being secured to the upper edge of the door, an eyelet at each end of the covering, and a pin on each bracket for receiving one of said eyelets.

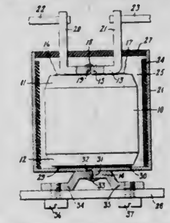
2,249,492
LINE CONNECTOR
Ford Pennell, Webster Groves, Mo.
Application July 10, 1940, Serial No. 344,631
8 Claims. (Cl. 287—78)

8. In a conductor wire connecting device, structure having opposing members, means for applying pressure through said members in opposite directions to adjacent wires between said members, and a washer for insertion between said wires and having elements for engaging said



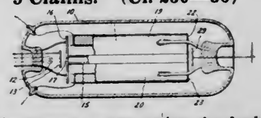
structure and said wires to position the latter against shifting movement in the device, said washer being apertured to accommodate offsetting of said wires through the washer into contact with each other under the thrust of said pressure means.

2,249,493
CONNECTION FOR ELECTRIC CONDENSERS
Wilhelm Pistor, Berlin-Reinickendorf, and Paul Walther, Berlin-Kopenick, Germany, assignors to General Electric Company, a corporation of New York
Application June 22, 1936, Serial No. 86,650
In Germany June 24, 1935
2 Claims. (Cl. 250—16)



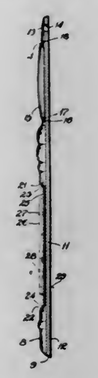
2. In a high frequency circuit, a condenser having an electrode, and a plurality of separate high frequency conductors conductively attached to said electrode at one point.

2,249,494
HIGH FREQUENCY APPARATUS
Simon Ramo, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 22, 1939, Serial No. 310,510
5 Claims. (Cl. 250—36)



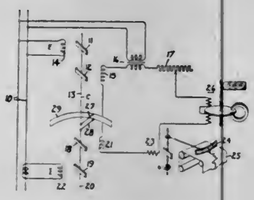
1. High frequency apparatus including means for generating a beam of electrons, means for producing in adjacent regions bounding the beam path static electron-deflecting fields of opposite deflecting effect, whereby the beam is caused to follow a serpentine course as it is affected first by one field and then by the other, an output circuit to be excited by the beam after multiple deflection thereof by the said fields, the circuit being of such character that the effect of the beam thereon is variable with the number of deflection reversals, and means acting on the beam prior to its traversal of the said fields to vary its susceptibility to deflection by the fields and thereby correspondingly to vary the excitation of the output circuit.

2,249,495
SOUVENIR NOVELTY
John Reuter, Brooklyn, N. Y.
Application July 3, 1940, Serial No. 343,688
4 Claims. (Cl. 40—136)



1. A souvenir novelty comprising a relatively flat body one side of which is composed of an embossed shell composed of an inexpensive light weight sheet metal between twenty-two to twenty-five points conformed to the outer contour in relief of one side of a normally solid symbol with the edge of the shell consisting of a flange which terminates in a plane to facilitate suspending the novelty with the edge flat against a supporting wall or surface, and an inexpensive light weight filler composed of cardboard or the like light weight material in said shell partly filling said shell but remote from the inner face of the embossed shell, having a precision fit at its edge with the inner face of the flange of said shell and having a plane outer face in the plane of the free edge of said shell.

2,249,496
MEASUREMENT OF VOLT AMPERES
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 30, 1939, Serial No. 312,673
6 Claims. (Cl. 171—34)



1. The method of measuring volt amperes of an alternating current circuit which consists in measuring the ratio of a current proportional to the voltage of the alternating current circuit and an adjustable current, measuring the ratio of the adjustable current and a current proportional to the current of the alternating current circuit, adjusting the adjustable current until the two ratio measurements are equal and then measuring the adjustable current in terms of the volt amperes of the alternating current circuit.

2,249,497
TANK CLOSURE
Walter Samans, Philadelphia, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application July 19, 1939, Serial No. 285,343
3 Claims. (Cl. 220—55)

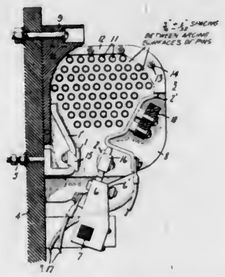


1. In combination, a tank having an opening therein, and having bolt holes surrounding said opening and having also a plurality of openings larger than said bolt holes arranged adjacent said bolt holes, means providing a chamber for receiving bolts inserted through said plurality of openings and for covering said bolt holes and said plurality of openings interiorly of the tank, and a cover plate adapted to be bolted over the first mentioned opening by bolts passing through said bolt holes.

2,249,498
COATING COMPOSITION
Walter Schulze, Neue Muhle - Konigswusterhausen, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application February 23, 1939, Serial No. 258,099. In Germany February 28, 1938
4 Claims. (Cl. 260—83)

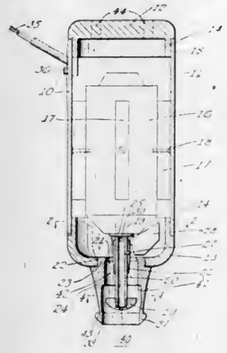
1. The method of preparing a liquid coating composition which consists of the steps of incorporating a small amount of an organic peroxide into a polymerized acrylic compound, heating the resulting product and dissolving the heated product in a volatile solvent therefor to form a liquid mass.

2,249,499
ELECTRIC CIRCUIT INTERRUPTER
Joseph W. Seaman, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application December 2, 1938, Serial No. 243,587
5 Claims. (Cl. 200—144)



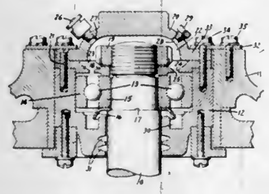
1. An electric circuit interrupter having arc-forming means and an arc chute for receiving the arc comprising spaced insulating side walls and a compactly arranged group of metal pins mounted between said insulating walls transversely of the arc, the adjacent arcing surfaces of said pins throughout said chute being spaced substantially uniformly from each other approximately $\frac{3}{16}$".

2,249,500
SKIN CLEANING DEVICE
Guy B. Shirley, San Antonio, Tex., and George T. Strickel, Oklahoma City, Okla., assignors to La Vair Corp., San Antonio, Tex.
Application February 12, 1940, Serial No. 318,656
8 Claims. (Cl. 128—24.1)



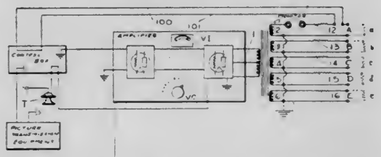
1. A skin cleaning device of the class described including a casing having an open end, a cup connected to the open end of the casing, said cup having an outer edge arranged to engage the skin, an electric motor mounted in said casing, a drive shaft extending from one end of the motor, said shaft having a tubular portion projecting a limited distance into said cup, a suction fan mounted on said tubular portion adjacent the motor, a distributing member mounted on the tubular portion of said shaft so as to be rotatable therewith and positioned within the cup, said distributing member being spaced at all times from the outer edge of the cup so as not to engage the skin, means for controlling the operation of said motor, the parts being constructed and arranged so that in operation when the cup is brought into contact with the surface to be cleaned, the fan creates a suction which acts to remove the dirt from the skin, and means on the distributing member upon the rotation thereof for producing air currents, which impinge the dirt as it is removed from the skin against the inner wall of the cup.

2,249,501
SHAFT SUPPORTING AND LUBRICATING ARRANGEMENT
John W. Teker, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York
Application October 17, 1940, Serial No. 361,548
7 Claims. (Cl. 308—187)



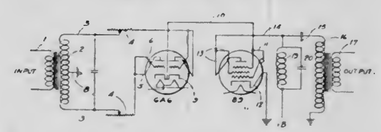
1. A supporting structure for a rotatable shaft including a bearing housing having a lubricant reservoir, anti-friction bearings mounted in said bearing housing, an annular element mounted on said shaft adjacent said bearing, and a second annular element mounted on said bearing housing adjacent said bearing with the inner edge thereof closely adjacent the outer edge of said shaft mounted annular element providing a restricted passage for lubricant from said reservoir to said bearing.

2,249,502
TRANSMISSION CIRCUIT
Louis A. Thompson, Lakewood, Ohio, assignor to Acme Newspictures, Inc., New York, N. Y., a corporation of Delaware
Application October 2, 1939, Serial No. 297,435
4 Claims. (Cl. 178—44)



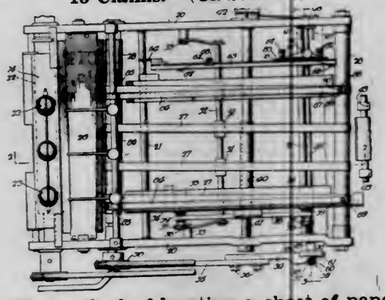
4. A circuit of the class described, a transformer consisting of a primary and a plurality of secondaries, said secondaries being of low impedance with respect to circuits to be fed, matching networks inserted between each low impedance secondary and the circuit fed to provide an impedance match therebetween, and a high impedance ratio between the circuit fed and said secondary.

2,249,503
AUDIO FREQUENCY DOUBLER
Louis A. Thompson, Lakewood, Ohio, assignor to Acme Newspictures, Inc., New York, N. Y., a corporation of Delaware
Application January 29, 1940, Serial No. 316,150
1 Claim. (Cl. 250—36)



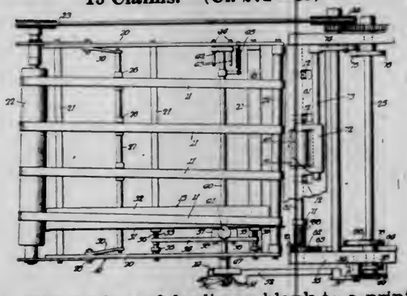
An audio frequency doubler circuit comprising a transformer having a primary for connection to a source of audio frequency, a center tapped secondary for said transformer, a full wave rectifier having plates and a cathode, means connecting the secondary of the transformer between said plates, resistance means inserted in said plate circuit and adjustable to balance the input to said rectifier, an amplifier arranged to have its output current proportional to the amplitude of the input current and having at least a grid and cathode, the grid of said amplifier being connected to the cathode of said rectifier and the center tap being connected to the cathode of said amplifier, said amplifier being controlled by the rectifier to amplify the output thereof, means in the output circuit of the amplifier to supply the other half of an alternating wave to said amplified output comprising an output transformer capacitively coupled to the plate circuit of the amplifier and tuned to the output frequency of the amplifier, means for supplying the plate voltage to the amplifier having a high impedance to the alternating current component of the plate voltage including an impedance coupled to the plate circuit ahead of the capacity coupling to the output amplifier.

2,249,504
CONVEYER BOARD
Nils Trydal, Chicago, Ill., assignor to Davidson Manufacturing Corporation, a corporation of Illinois
Application May 25, 1939, Serial No. 275,706
18 Claims. (Cl. 271—48)



1. The method of locating a sheet of paper in proper registry comprising moving the sheet forwardly and slightly sideways towards locating members one of which is an adjustable normally fixed gauge, to a predetermined release point in readiness for feed purposes, holding the sheet flat and permitting to the sheet universal planar movement, and resiliently jogging the sheet against the locating members approximately the time the sheet reaches its register position.

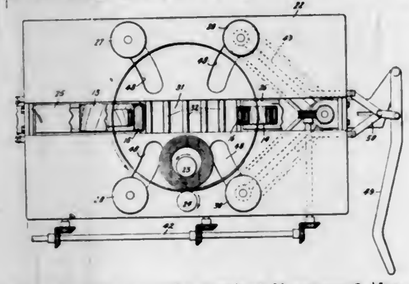
2,249,505
BLANK REGISTERING DEVICE
William Ward Davidson, Evanston, Ill.
Application September 6, 1939, Serial No. 293,553
15 Claims. (Cl. 271—48)



1. The method of feeding a blank to a printing machine or the like comprising moving independent blanks successively laterally in one direction and forwardly against end stops and simultaneously moving the blanks laterally in the opposite direction by side engagement at one side only as one continuous movement of the sheet, clamping each blank in its registered position, and positively removing each and releasing the stops simultaneously in timed relation to the action of the printing machine.

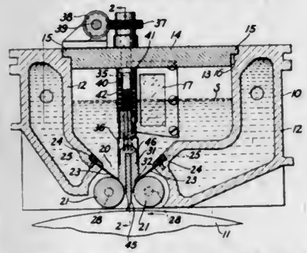
2,249,506
STATIONARY INDUCTION APPARATUS
Paul A. Vance, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 30, 1939, Serial No. 306,916
4 Claims. (Cl. 242—4)

1. A method of assembling a wound strip magnetic core with conductive winding structures including more than one winding unit, which method comprises separating a pair of conductive winding units which are to be linked by a common magnetic core element, separating the end of a wound coil of magnetic strip from the coil, threading the said end through both winding units, securing the end to the outer surface of the coil to form a relatively large loop around sides of both winding units, rotating the coil to unwind



it and simultaneously rewind it around the said winding sides into said loop, progressively bringing said winding units closer together and simultaneously collapsing the said loop upon the winding sides until the surrounded winding sides have been brought into proximity to form a winding leg and a core has been formed closely embracing said winding leg.

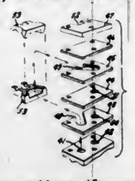
2,249,507
FILM OR SHEET FORMING APPARATUS
Henry E. Van Derhoef, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 6, 1940, Serial No. 322,579
10 Claims. (Cl. 18—15)



2. In a film or sheet forming device the combination with a hopper having an opening through which a film forming solution is adapted to be fed to a moving film forming element located adjacent thereto, of means associated with said opening for directing said solution to the film forming element in the form of a sheet, said means including a pair of rollers each positioned in liquid tight contact with that portion of the hopper forming opposite sides of said opening, and spaced apart to form a slot through which the solution is adapted to flow, and means for rotating each of said rollers in a direction counter to that of the flow of solution through said slot.

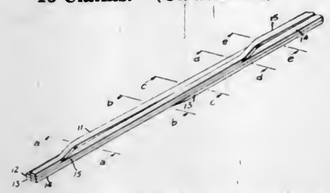
2,249,508
HYDRAULIC GOVERNING MECHANISM
Donald F. Warner, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application April 26, 1939, Serial No. 270,165
5 Claims. (Cl. 121—46.5)

2. A control valve comprising means including a block and forming a feed port and a port of controlled pressure, a movable valve member having a portion controlling the flow of fluid between said ports, means including an eccentric



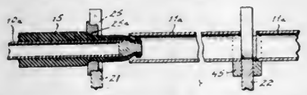
bearing sleeve supporting the valve member on the block and permitting adjustment between them, and a biasing spring between the block and the valve member.

2,249,509
RECTANGULAR CABLE AND METHOD OF MAKING THE SAME
Alanson U. Welch, Jr., and Curtiss M. Cederstrom, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application August 31, 1939, Serial No. 292,904
13 Claims. (Cl. 174—34)



1. Electric cable comprising a plurality of insulated rectangular strands of untwisted wire arranged in a plurality of superposed rows forming a conductor of substantially constant width and thickness, and the strands thereof being progressively transposed in many cycles at spaced intervals longitudinally of a cable.

2,249,510
METHOD OF MAKING RESILIENT ARTICLES
Oscar B. Welker, Cromwell, Conn., assignor to Albert R. Teare, Cleveland, Ohio, as trustee
Application May 6, 1940, Serial No. 333,470
13 Claims. (Cl. 18—59)



1. The method of forming an article having a resilient sleeve therein, comprising stretching a section of elastic stock, releasing the stretched stock, re-stretching the stock, and forcing the stretched stock between a pair of inner and outer members.

2,249,511
APPARATUS AND METHOD FOR CEMENTING WELLS
Edward F. Westall, Alhambra, Calif.
Application September 1, 1936, Serial No. 98,861
30 Claims. (Cl. 166—1)

1. In a well cementing apparatus, a casing having a lateral port therein, a body slidably closing the bore through the casing, means including fluid pressure within said casing at the port supporting the body above the port, said body having a hole therethrough communicating the zone above the body with the area therebelow, a valve normally closing said hole to pressure from be-

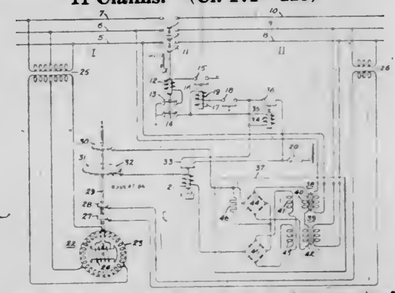


low the body, and a plug to close the hole to presssure from above the body.

2,249,512
MANUFACTURE OF TETRACHLORETHYLENE
Josef Wimmer, Burghausen, and Martin Mugdan, Munich-Grosshesselohe, Germany, assignors to Consortium fur Elektrochemische Industrie G. m. b. H., Munich, Germany, a corporation of Germany
No Drawing. Application August 1, 1938, Serial No. 222,564. In Germany August 10, 1937
2 Claims. (Cl. 260—654)

2. A process for the preparation of tetrachlorethylene which comprises continuously introducing pentachlorethane into a boiling mixture of tetrachlorethylene and aluminum chloride, the evolved tetrachlorethylene and hydrogen chloride being fractionated off directly subsequent to their formation.

2,249,513
ELECTRORESPONSIVE DEVICE
Wilhelm Würth, Berlin-Treptow, Germany, assignor to General Electric Company, a corporation of New York
Application May 21, 1940, Serial No. 336,448
In Germany June 14, 1939
11 Claims. (Cl. 171—118)



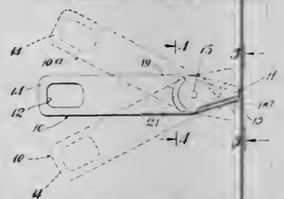
1. In a synchronizing device for controlling the interconnection of two alternating current circuits under predetermined conditions, a motor device connected to be energized responsively to the circuit voltages and comprising a member movable in dependence on the difference between the frequencies of the circuit voltages, an electroresponsive device and means for controlling the

operation of said electroresponsive device comprising circuit controlling means maintained in one circuit controlling position during a predetermined movement of said member, and means for energizing said electroresponsive device in dependence on the difference between two unidirectional voltages respectively dependent on the vector sum of and the vector difference between the circuit voltages.

2,249,514
FRICTION ELEMENT FOR POWER TRANSMISSION
Herbert Berg, Burghausen, Oberbayern, and Bruno von Zychlinski, Munich, Germany, assignors to Chemische Forschungsgesellschaft m. b. H., Munich, Germany, a corporation of Germany
No Drawing. Application December 1, 1937, Serial No. 177,651. In Germany December 17, 1936
9 Claims. (Cl. 74—231)

4. A power transmission belt comprising a hydrophylic polyvinyl compound.

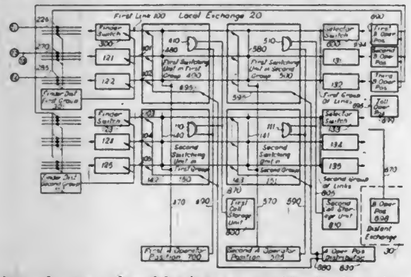
2,249,515
SHEAR
Nina R. Carroll, New York, N. Y.
Application December 10, 1940, Serial No. 369,422
14 Claims. (Cl. 30—244)



1. A shear of the class described comprising two substantially similar parts, means adjacent one end portion of said parts for pivoting the same together to divide each part into a short blade end portion and a longer handle end portion, the handle end portions being disposed one upon the other throughout the length thereof when the shear is in closed position, and the free end portions of the handle members being fashioned to form finger receiving parts facilitating operation of the shear.

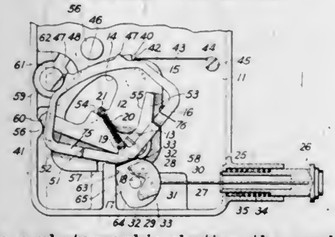
2,249,516
TELEPHONE SYSTEM
Thomas Frederick Crocker, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 29, 1939, Serial No. 311,552
38 Claims. (Cl. 179—27)

1. In a telephone system, a plurality of subscriber lines, a plurality of A operator positions, a B operator position, a plurality of storage units individually associated with said A operator positions, means for assigning said storage units in a predetermined order, means for routing a call upon any one of said subscriber lines to an assigned one of said storage units to be stored, means for routing a call upon said one subscriber line stored in said assigned storage unit to the associated one of said A operator positions to be answered, means for routing a call from said one A operator position to said B operator position, means for establishing a connection between said one subscriber line and said B operator position independent of said one A operator position, thereby to route a call from said one subscriber line to said B operator position, means for routing a recall by an operator at said B operator position upon said established connection to an



assigned one of said storage units to be stored, and means for routing a recall upon said established connection stored in said assigned storage unit to the associated one of said A operator positions to be answered.

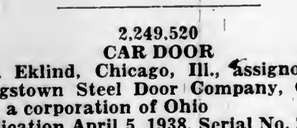
2,249,517
SHUTTER
Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 22, 1939, Serial No. 263,449
12 Claims. (Cl. 95—59)



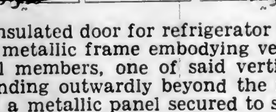
1. In a photographic shutter, the combination with an apertured plate, a shutter pivotally mounted on said plate and adapted to be moved in opposite directions to uncover said aperture to make exposures, of an operating blade pivotally mounted on said plate independently of said shutter, a shutter tension spring connecting said blade and said shutter, means for moving said blade in either of said directions to tension said spring, a leaf spring mounted on said plate and arranged to engage a peripheral shoulder on said shutter to hold the latter against movement until said spring is tensioned, means on said blade arranged to engage said leaf spring to move the latter out of engagement with shoulder to permit the shutter to move under the action of said tensioned spring to make an exposure, and a second shoulder on said shutter engageable by said leaf spring to prevent shutter rebound after an exposure has been made.

2,249,518
PLASTICIZED CELLULOSE DERIVATIVE COMPOSITION
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 16, 1938, Serial No. 246,202
2 Claims. (Cl. 106—176)

1. A composition of matter comprising a cellulose derivative selected from the group consisting of cellulose esters and ethers and 15–80% based on the weight of the cellulose derivative of a morpholine ester having the general formula:



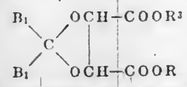
wherein n represents a positive integer greater than one and less than four, R represents a divalent organic group, Z represents a group selected from the group consisting of hydrogen and an organic group of the following general formula:



wherein d represents a positive integer greater than one and less than four.

2,249,519
YARN CONDITIONING PROCESS AND COMPOSITIONS THEREFOR
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 9, 1940, Serial No. 360,452
11 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component a compound selected from the group consisting of the ketals and acetals of tartaric acid having the general formula:



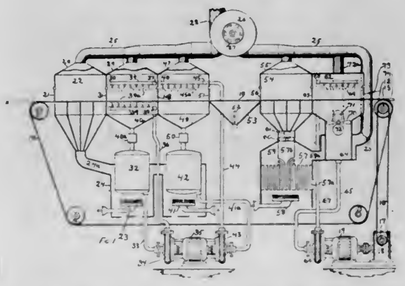
wherein R is a substituent selected from the group consisting of alkyl, cycloalkyl, aryl and heterocyclic groups, wherein R^1 and R^2 are substituents selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl and heterocyclic groups and wherein R^3 is a substituent selected from the group consisting of hydrogen, alkyl, cycloalkyl, aryl and heterocyclic groups.

2,249,520
CAR DOOR
Carl E. Eklind, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application April 5, 1938, Serial No. 200,135
8 Claims. (Cl. 189—46)



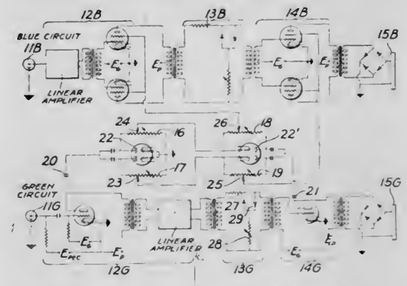
1. An insulated door for refrigerator cars comprising a metallic frame embodying vertical and horizontal members, one of said vertical members extending outwardly beyond the remaining members, a metallic panel secured to said frame and forming a pocket therewith, said panel lying inwardly of and being offset outwardly in laterally spaced relation to said one vertical member for securement to the outer face thereof, stiffening members disposed between and secured to said panel offset and said one vertical member, wooden members fastened to said metallic frame, insulation in said pocket and a wooden panel fastened to said wooden members and closing said pocket.

2,249,521
METHOD FOR THE REHABILITATION OF FILTER UNITS
Duncan Earl Graham and Alfred P. Smith, Denver, and Carl B. Wilson, Wheatridge, Colo.
Application November 7, 1938, Serial No. 239,334
2 Claims. (Cl. 141—1)



1. The method of rehabilitating a filter comprising a shell and filler, which method comprises drawing heated air through said filler, thereafter passing through said filler a heated cleansing solution, passing through said filler a heated rinsing liquid, and impregnating said filler with oil.

2,249,522
ELECTRIC CIRCUIT FOR COLOR CORRECTION
Vincent C. Hall, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 11, 1938, Serial No. 234,422
11 Claims. (Cl. 178—5.2)



1. An electro-optical system for the reproduction of a multi-colored original comprising means for scanning the original in a plurality of colors, photoelectric devices adapted to receive the separate colors from the original for establishing electric energies corresponding thereto, electric amplifying circuits connected to the outputs of the photoelectric devices, at least one of the circuits including in series an amplifier having predetermined non-linear characteristics,

means having input and output sides for modifying one of said energies in accordance with at least one other of the energies, one side of said modifying means being connected to the output of the non-linear amplifier and the other side of said modifying means being connected to another of the amplifying circuits and devices for controlling light intensity connected to the output of said circuits, whereby the responses of the latter devices are modifications of the intensities of said separate colors as determined by the characteristics of the non-linear amplifier.

2,249,523

MEDICAMENT

Gordon D. Hiatt, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Original application March 31, 1939, Serial No. 265,203. Divided and this application May 28, 1940, Serial No. 337,677

10 Claims. (Cl. 167—63)

1. A salve-like composition for coating the skin essentially consisting of a cellulose organic acid ester having an acyl content of at least 50% of the weight of the cellulose ester of which a major portion is fatty acid groups of at least 4 carbon atoms and a miscible animal oil having an iodine number not greater than 125.

2,249,524

PROCESS FOR IMPROVING OILS

Kenneth C. D. Hickman and John C. Hecker, Rochester, N. Y., assignors to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

No Drawing. Application January 27, 1939, Serial No. 253,226

2 Claims. (Cl. 202—52)

1. The process of removing substances which cause undesirable odor and taste from vitamin-containing oils, whereby the odor and taste materials are obtained as a distillate and the purified vitamin oil is obtained as a distillation residue, which process comprises subjecting the oil to short path distillation at a pressure below .1 mm., distilling off from the oil a fraction which contains between .5 and 2% of the vitamin content of the oil, condensing this fraction and withdrawing it from the still and withdrawing the purified oil from the still as undistilled residue.

2,249,525

PURIFICATION OF VITAMIN A ESTERS

Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

No Drawing. Application February 11, 1939, Serial No. 255,928

9 Claims. (Cl. 260—410)

1. The process of purifying a concentrate of a carboxylic acid ester of vitamin A which contains impurities of the kind selected from the group consisting of impurities normally present in a reaction mixture from an esterification of vitamin A alcohol and impurities normally present in a vitamin A concentrate derived from a fish oil which process comprises extracting the impurities from the concentrate by contacting it with an alcohol selected from the group consisting of methyl and ethyl alcohol and separating the alcohol containing the extracted impurities from the concentrate being purified, the impurities present being substantially soluble in methyl or ethyl alcohol.

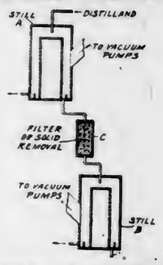
2,249,526

VACUUM DISTILLATION

Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

Application June 9, 1939, Serial No. 278,308

6 Claims. (Cl. 202—52)



1. The process of multi-stage distillation which comprises in combination, subjecting a liquid organic material to high vacuum unobstructed path distillation while in the form of a thin film, treating undistilled liquid residue to mechanically separate and remove solids contained therein and formed by the distillation and then subjecting the treated liquid to high vacuum, unobstructed path distillation while in the form of a thin film.

2,249,527

MANUFACTURE OF ANHYDRIDES OF ALIPHATIC ACIDS

David C. Hull, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 21, 1938, Serial No. 186,141

7 Claims. (Cl. 260—546)

6. A process for the manufacture of acetic anhydride, which comprises producing by the pyrolysis of acetic acid, reaction materials capable of yielding a mixture having more than 45% anhydride therein, partly cooling said materials in a conduit, contacting liquid acetic acid with the materials in such a manner that the liquid acetic acid vaporizes before flowing to the end of the conduit and thereby becomes intimately mixed with the reaction materials, said acetic acid being sufficient to produce a resultant mixture having an acetic anhydride content between 40–45%, and recovering the acetic anhydride from this mixture by vacuum distillation.

2,249,528

COATED GLASS FABRIC

Charles S. Hyatt and John C. Lowman, Columbus, Ohio, assignors to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio

Original application April 8, 1938, Serial No. 200,958. Divided and this application March 31, 1939, Serial No. 265,261

2 Claims. (Cl. 91—68)



1. A new article of manufacture comprising a glass fibrous web having interstices between the glass fibers filled with a flexible plastic cellulose coating film which mechanically interlocks said fibers together forming a reinforced coated fibrous glass web of material, said coating film comprising nitrocellulose, blown castor oil and

butyl acetyl ricinoleate and wherein the nitrocellulose constituent comprises approximately 40% by weight and the blown castor oil about 48% by weight of the coating film composition.

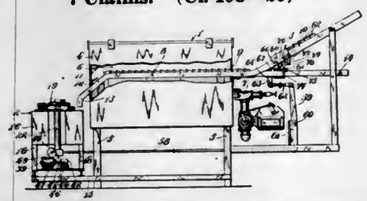
2,249,529

ARTICLE FEEDING MECHANISM

John Russell Knights, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application September 20, 1937, Serial No. 164,626

7 Claims. (Cl. 198—26)



1. An article-feeding mechanism comprising, in combination, a feeding element having an article-engaging portion movable laterally with respect to the direction of feed into and out of operative article-feeding position, said article-engaging portion of said feeding element being out of alinement with the direction of feed of the articles when in its inoperative position, driving means for said feeding element for moving the latter to effect feed when said element is in its operative feeding position, and means for controlling the movement of the articles into feeding relation with respect to said feeding element and embodying means for permitting movement of an article into feeding position when said feeding element is in its laterally located inoperative position and for preventing movement of other articles towards feeding position when said feeding element is in operative feeding position in alinement with the direction of feed.

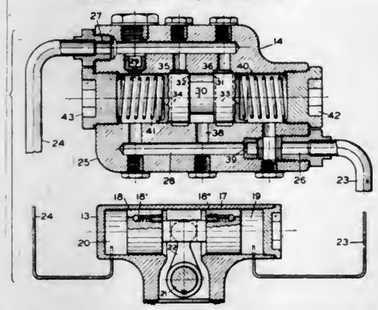
2,249,530

SHOCK ABSORBER

Paul Kolisman, New York, N. Y.

Application July 20, 1939, Serial No. 285,490

26 Claims. (Cl. 267—8)



1. In a shock absorber the combination with a first member; a second member movable relatively thereto and arranged to displace in response to such movement through a passage a body of pressure fluid; and fluid flow restricting means in said passage; of means responsive to the rate of relative movement between said first and second member and connected to vary the flow resistance of said restricting means in response to such rate of movement.

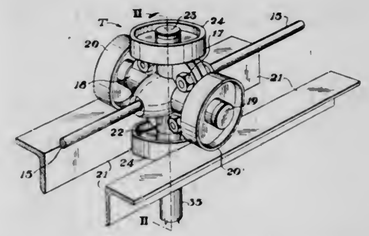
2,249,531

OVERHEAD CONVEYER

Eugene E. Landahl, Columbus, Ohio

Application October 28, 1940, Serial No. 363,133

7 Claims. (Cl. 105—155)



1. A trolley unit for overhead conveyers comprising a casing, a set of rollers carried by said casing for rotation in substantially vertical planes, a second set of rollers carried by said casing for rotation in substantially horizontal planes, a chamber formed in said casing and having spherical apertured end walls, connecting rods extending through the apertures in said end walls and terminating within said chamber, heads carried by said rods, said heads having spherical surfaces for engagement with said end walls, whereby to permit of rocking movement of said connecting rods relative to said casing, and spring means engaging said heads to maintain the engagement thereof with said spherical surfaces.

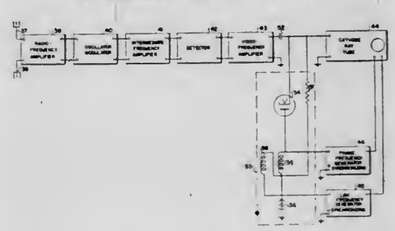
2,249,532

SYNCHRONIZING AND BACKGROUND CONTROL FOR TELEVISION RECEIVERS

Harold M. Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

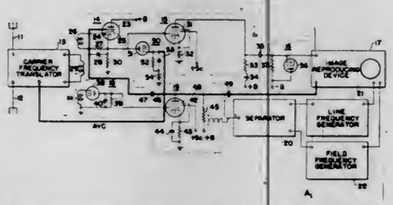
Application December 2, 1937, Serial No. 177,663

4 Claims. (Cl. 178—7.5)



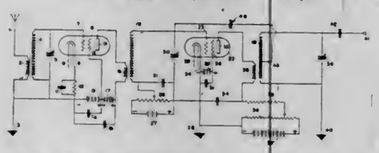
1. A television system for receiving and reproducing a video-frequency signal including combined video-frequency components, background-illumination components, and synchronizing components including line-synchronizing and field-synchronizing impulses having amplitude values outside the amplitude range of the video-frequency components, comprising a single rectifier and associated load circuit for simultaneously deriving from said signal a unidirectional bias voltage representative of background illumination, and effectively separating the line-synchronizing and field-synchronizing impulses from each other, means for utilizing said effectively separated synchronizing impulses for synchronizing separate scanning operations of the system, and means responsive to said bias voltage for controlling only the background illumination of the image reproduced by the system.

2,249,533
TELEVISION RECEIVER INCLUDING BLACK-LEVEL CONTROL
Harold M. Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application July 27, 1938, Serial No. 221,497
9 Claims. (Cl. 178—7.3)



1. A television receiver adapted for the reception of a television signal carrier the amplitude of which may vary at the receiver and modulated during trace periods by light components having a predetermined blanking level, unmodulated by light components and modulated by synchronizing-pulse components outside the amplitude range of said light-modulation components during retrace periods, comprising means for deriving from a received signal its modulation signal stabilized with respect to the peaks of said synchronizing-pulse components, means for blocking out only said synchronizing-pulse components from said derived signal, means for stabilizing the resultant derived signal with respect to said blanking level, and means for utilizing the blanking-level-stabilized signal to reproduce the transmitted light modulation components.

2,249,534
STATIC REDUCING DEVICE
David G. McCaa, Lancaster, Pa.
Application July 6, 1940, Serial No. 344,199
10 claims. (Cl. 250—20)



5. In a radio receiver, a demodulator circuit containing an electron tube; an anode circuit for said tube, an output impedance and storage means for electrical energy, for supplying response energy, in series relation in said anode circuit; a source of energy; and means for supplying said storage means with electrical energy at a limited rate from said source.

2,249,535
ACETYLENIC ACID-POLYHYDRIC ALCOHOL RESINS
Alexander Douglas Macallum, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1938, Serial No. 220,793
7 Claims. (Cl. 260—2)

1. The process for producing a resin which consists in reacting a monobasic acetylenic acid having the general formula RC≡COOH, wherein R represents a member of the group consisting of hydrogen atom and alkyl radicals, with a polyhydric alcohol the reacting mixture consisting of said acid and said polyhydric alcohol as the only reactive ingredients.

2,249,536
REVERSIBLE GEL COMPOSITIONS OF POLYVINYL ALCOHOL AND HYDROXY AROMATIC COMPOUNDS AND THEIR PREPARATION
Wendell H. McDowell and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 12, 1940, Serial No. 318,551. In Great Britain February 14, 1939
9 Claims. (Cl. 252—316)

1. A firm, thermal-reversible gel composed of polyvinyl alcohol mixed with a gelling amount of an unsubstituted hydroxy aromatic compound selected from the group consisting of the unsubstituted polyhydric phenols, unsubstituted α-naphthol and the unsubstituted dihydricnaphthols.

2,249,537
REVERSIBLE GEL COMPOSITIONS OF POLYVINYL ALCOHOLS AND HYDROXYBENZAROMATIC AMIDES AND THEIR PREPARATION
Wendell H. McDowell and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 12, 1940, Serial No. 318,552. In Great Britain February 14, 1939
11 Claims. (Cl. 252—316)

1. A firm, thermal-reversible gel composed of polyvinyl alcohol mixed with a gelling amount of an alkali metal salt of an aromatic amide in which the carbonyl group of the amide is joined to a benzenoid ring to which a hydroxyl group is attached.

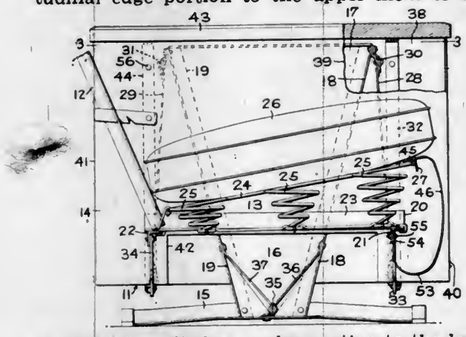
2,249,538
REVERSIBLE GEL COMPOSITIONS OF POLYVINYL ALCOHOL AND SUBSTITUTED HYDROXY AROMATIC COMPOUNDS AND THEIR PREPARATION
Wendell H. McDowell and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 12, 1940, Serial No. 318,553. In Great Britain February 14, 1939
7 Claims. (Cl. 252—316)

1. A firm, thermal-reversible gel composed of polyvinyl alcohol mixed with a gelling amount of a substituted hydroxy aromatic compound selected from the group consisting of orcinol, 2-4 dihydroxy benzoic acid, 4-chlor resorcinol, gallic acid and the substituted monohydric naphthols.

2,249,539
SEAT UNIT
Carl H. Oermann, York, Pa.
Application March 16, 1940, Serial No. 324,311
4 Claims. (Cl. 5—124)

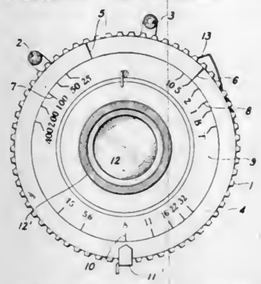
1. A seat unit comprising a coil spring cushion supporting assembly including upper and lower members and a plurality of coil spring elements secured within said members for supporting upon

the top thereof one or more cushions, the upper member being movable towards the lower member when the spring elements are compressed, and a flexible metal sheet secured along its upper longitudinal edge portion to the upper member and



secured along its lower edge portion to the lower member, said metal sheet extending across the seat unit so as to conceal the spring elements and being so rolled or shaped that it will be depressed or lowered downward when the seat is occupied.

2,249,540
FOCUSING STOP FOR SHUTTERS
William A. Riddell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 18, 1940, Serial No. 336,063
8 Claims. (Cl. 95—63)



1. In a camera shutter, a trigger, shutter mechanism releasable by the trigger for making an exposure including shutter leaves and a blade ring, having, in combination, a shutter setting lever movable with the blade ring when the latter moves in a direction to make an instantaneous exposure, a spring time stop carried by the shutter for manual operation, a latch element projecting from said spring and movable therewith into a position to engage and stop movement of the shutter setting lever when said blade ring has moved therewith to open the shutter blades, and means for releasing the spring time stop by manually moving the setting lever.

2,249,541
PRODUCTION OF NATURAL COLOR PHOTOGRAPHS BY INTERMEDIATE DYE COUPLING
Karl Schinzel, Silesia, Czechoslovakia, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 2, 1937, Serial No. 177,738. In Austria December 3, 1936
9 Claims. (Cl. 95—6)

9. The method of forming a colored photographic image in a silver halide layer which comprises condensing a vat dye with a phenolic component to form a coupling derivative soluble in strong alkali of the vat dye, incorporating said coupling derivative in the silver halide layer, exposing the layer and treating it in a silver halide developer whose oxidation product couples with the coupling derivative to form a dye image insoluble in strong alkali, treating the layer in a strongly alkaline solution to remove the undeveloped coupling derivative, and treating the layer in a solution which splits off the developed phenolic component and regenerates the original vat dye in the layer.

2,249,542
REHALOGENATION PROCESS OF COLOR PHOTOGRAPHY
Karl Schinzel, Zurich, Switzerland, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application July 3, 1937, Serial No. 151,811. Divided and this application December 5, 1940, Serial No. 368,667. In Austria July 7, 1936
5 Claims. (Cl. 95—2)

1. A method of processing a photographic material comprising a plurality of superposed silver halide emulsion layers containing color-forming components to produce differently colored images in the different layers comprising developing the latent image in all of said layers with a developer incapable of affecting the said color-formers, removing the unaffected silver halide from said layers, converting the developed silver images into silver salt images which are capable of redevelopment and developing said silver salt images with a developer, the oxidation products of which are capable of reacting with the said color-formers to produce differently colored images in the layers.

2,249,543
PROCESS OF PRODUCING KETENE
Johann Sixt and Martin Mugdan, Munich, Germany, assignors, by mesne assignments, to Tennessee Eastman Corporation, Kingsport, Tenn.
Application November 27, 1937, Serial No. 176,808
In Germany September 16, 1933
10 Claims. (Cl. 260—550)

5. A catalytic process for producing ketene, which comprises subjecting acetic acid vapors to heating under a partial vacuum at a temperature between 400° C.—900° C. in the presence of an acetic anhydride-forming catalyst, to form materials containing ketene, water, acetic acid and acetic anhydride, and separating at least a part of the ketene by cooling said materials to temperatures below 100° C. in a cooler having an elongated cooling chamber of a capacity less than one-half litre per 600 grams of acetic acid feed per hour.

2,249,544
DEXTRAN RESINOUS PRODUCT
Grant L. Stahly and Warner W. Carlson, Columbus, Ohio, assignors to Commonwealth Engineering Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Original application July 29, 1937, Serial No. 156,426. Divided and this application November 4, 1938, Serial No. 238,854
1 Claim. (Cl. 260—209)

A method of making mixed benzyl ether-butyl ethers of dextran, comprising adding benzyl

chloride and sodium hydroxide to a water solution of dextran butyl ether in the proportion of 30 gms. of dextran butyl ether, 90 gms. of benzyl chloride and 40 gms. of sodium hydroxide, heating the mixture at 80 to 85° C. for a period of about 5 hours, and removing the excess benzyl chloride and benzyl alcohol by heating.

2,249,545

POLYVINYL ACETAL RESIN SHEETS CONTAINING A MIXTURE OF DIBUTYL SULPHONE AND DIBUTYL PHTHALATE

Donald R. Swan, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 13, 1939, Serial No. 294,752

1 Claim. (Cl. 260—36)

A transparent, rubbery sheet comprising 100 parts of a polyvinyl acetaldehyde acetal resin and, as an elasticizer therefor, at least 40 parts, approximately, of a mixture consisting of 30–70% of dibutyl sulphone and 70–30% of dibutyl phthalate.

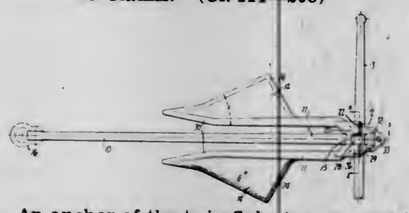
2,249,546

TWIN-FLUKE ANCHOR

Richard S. Danforth, Berkeley, Calif.

Application March 12, 1941. Serial No. 382,943

15 Claims. (Cl. 114—208)



1. An anchor of the twin fluke type comprising a shank having a forward and an after end, a stock, a pair of flukes pivoted on said shank at said after end with said shank between said flukes, said flukes having faces thereon substantially simultaneously engaging the ground when in operative position, and a crown at the after ends of said flukes having ground engaging portions thereon sloping rearwardly from the flukes at an angle thereto of between 25° and 45° and terminating at a point raised above the fluke faces to slide along the ground and rotate the flukes when the anchor is on the ground with the flukes and shank in substantially the same plane, the resistance area of said anchor, as herein defined, being less than 25% of the square of the shank length.

2,249,547

WINDSHIELD

George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Company, Detroit, Mich., a corporation of Michigan

Application September 23, 1939, Serial No. 296,297

5 Claims. (Cl. 296—84)



2. An elastic, stretchable sealing strip for sealing a glass edge, comprising partially vulcanized rubber and a filler, said strip having the property of return when stretched, flexibility, compression and rebound, and a tacky surface.

2,249,548

DIVIDER MEANS FOR FILING TRAYS OR DRAWERS

Albert Theodore Swimmer, Youngstown, Ohio, assignor to The General Fireproofing Co., Youngstown, Ohio, a corporation of Ohio

Application October 21, 1949, Serial No. 362,160

2 Claims. (Cl. 129—16)



2. A filing tray or drawer including a bottom wall, a channel member of inverted U-shape in cross section seated upon the bottom wall of said drawer and including a top wall spaced above the bottom wall of said drawer and having narrow slots therein extending transversely thereof at points spaced along its length, a plurality of divider plates tiltably supported at their lower edges on the top wall of said channel member and each having a tongue extending downwardly through a related slot in the top wall of said channel member, and stop elements constituted by portions of the bottom wall of said tray or drawer upstruck from said bottom wall for cooperation with said tongues to limit tilting movements of said divider plates.

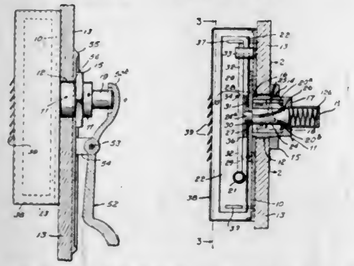
2,249,549

SIGNALING APPARATUS

Chester West, Brooklyn, N. Y.

Application April 29, 1939, Serial No. 270,734

20 Claims. (Cl. 116—160)



1. A signaling apparatus comprising a main base plate adapted to rest against the inside face of a panel or like support, the latter having a hole therethrough, and said base plate having connected thereto a sleeve-like member extending through said hole to the other side of said panel, said sleeve member being externally threaded and having projecting from its free end a hollow spring opposed push button with means limiting movement of said push button outwardly of said sleeve member, means holding said push button against rotation as it is moved against or by its spring, a drum shaft extending into said hollow push button and rotatably supported thereby, said drum shaft having a cam slot therein and said push button having a pin coacting with said slot, said main plate supporting vibratable sounding means, striker means for said sounding means, and connections between said drum shaft and said striker means for causing the rotary movement transmitted to said drum shaft through said pin and slot connection as said push button moves for impacting said striker means against sounding means, and means in threaded connection with the threaded portion of said sleeve for clamping said panel between said base plate and said last-mentioned means, thereby to support said signaling apparatus in position to receive manual thrusts on said push button.

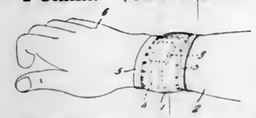
2,249,550

WRIST WATCH PROTECTOR

Lisle C. Williams, Memphis, Tenn.

Application July 26, 1939, Serial No. 286,731

1 Claim. (Cl. 58—105)



As a new article of manufacture, a wrist watch protector comprising a resilient substantially transparent rubber tube of preformed substantially bulbous construction such that it will not be in a stretched condition when it is in position on a wrist and enclosing a watch thereon, and flat, resilient bands of substantial width extending longitudinally from and integral with the ends of the tube and adapted to encircle the wrist under tension for closing and sealing said ends of said tube.

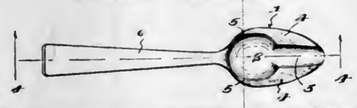
2,249,551

BABY NURSING INSTRUMENT

Ludwig Alvine Zohe, Syracuse, N. Y.

Application August 5, 1939, Serial No. 288,661

1 Claim. (Cl. 30—324)



A feeding spoon comprising an oval spatulate body formed with a substantially spherical bowl in the wider end of the oval body and extending below the plane of the spatulate body, and a channel leading from the bowl through the point of the oval body and located below the plane of the body, there being flat flanges between the rim of the bowl and the side walls of the channel and the side edges of the oval body.

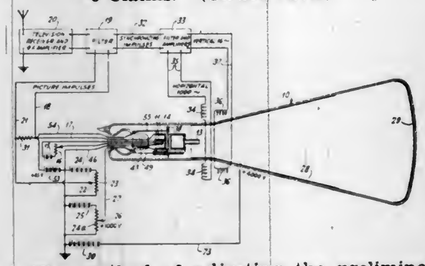
2,249,552

ELECTRON TUBE

Vladimir K. Zworykin, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Original application December 24, 1930, Serial No. 504,559. Divided and this application June 21, 1937, Serial No. 149,463

6 Claims. (Cl. 250—27.5)



6. The method of adjusting the preliminary concentration of an accelerated bundle of cathode rays to be afterwards focussed to produce an electron image in a receiving plane, more particularly in a television tube, by adjusting independently from the subsequent focussing, the speed to which the electrons forming the bundle are first accelerated.

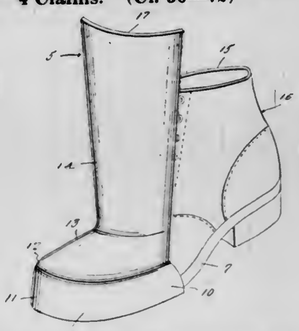
2,249,553

FOOT AND ANKLE PROTECTOR

Domenick Cataffo, Mullens, W. Va.

Application May 27, 1940, Serial No. 337,519

4 Claims. (Cl. 36—72)



1. In combination, a shoe having a sole and a toe portion and an instep portion, a protector comprising a relatively rigid shell comprising a base plate secured to the bottom of the sole of the shoe around said toe portion, a hood rising around and over said toe portion and having its lower edges secured to said base plate, a shield rising from the rear part of said hood in forwardly spaced relation from said instep portion and upper of the shoe, said shield being thereby substantially forwardly spaced from the upper of the shoe.

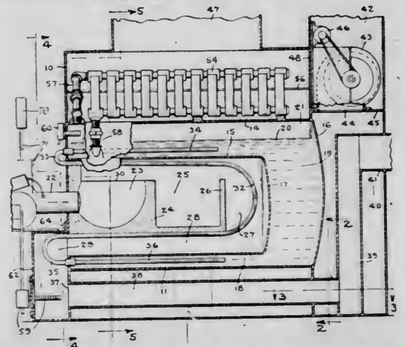
2,249,554

ALL-WEATHER HOT AIR FURNACE

Francis R. Daly, Minneapolis, Minn.

Application February 24, 1939, Serial No. 258,233

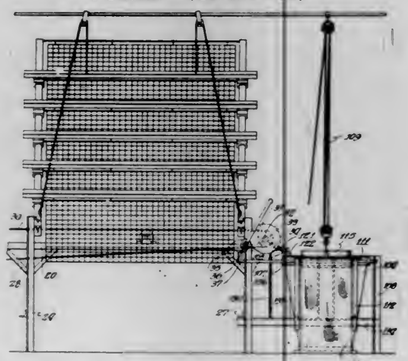
3 Claims. (Cl. 237—2)



3. In a heating plant having a casing and conduits leading therefrom to the rooms and from the rooms back to the casing, means for causing a continuously moving and uninterrupted current of air to move through said casing and conduits to and from said rooms, a boiler having all of its outside walls within the casing and exposed to the aforesaid current of air, said walls constituting a direct acting heat-exchanger, a steam radiator in the casing having connection with the

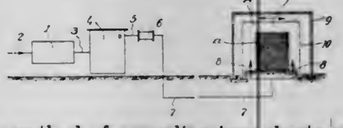
steam chamber of the boiler forming a second heat exchanger, a burner, and a thermostat in the rooms for controlling operation of the burner according to room temperature, the said burner and thermostat being controlled by heat demands within the room so that when said heat demands are little the burner will continue to operate only long enough to heat the water in the boiler without generating steam until the heat requirements of the room are satisfied by heat exchange with the outer walls of the boiler and the burner will be caused to be heated to operate longer as the heat demands increase and will remain in operation long enough to generate steam and cause the steam radiator to act as a second heat exchanger when the heat demands of the room require it because of lowered outside temperature.

2,249,555
FERTILIZER COLLECTING APPARATUS
Hugo M. Danker, Berwyn, Ill.
Original application July 20, 1939, Serial No. 285,608. Divided and this application March 28, 1940, Serial No. 326,511
1 Claim. (Cl. 214—91)



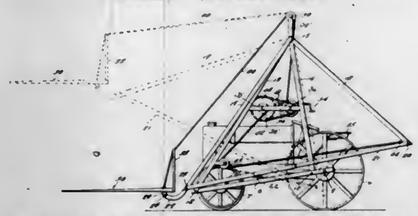
A material delivery from the end of a conveyor into a receptacle adjacent such end comprising a shaft below the conveyor, an apron extending inclinedly from the conveyor to a position over the interior of the receptacle, the apron having a hub fast on said shaft, a drum mounted on the shaft beyond one end of the apron, a spring attached over the periphery of the drum and having a tendency to rotate the same in a direction to raise the apron from its inclined position, said receptacle being movable between a raised and a lowered position, said receptacle including an extension, a second extension fixedly associated with said apron, said extension of said receptacle being engageable with said extension of said apron to move said apron to the inclined position as said receptacle is moved to the lowered position.

2,249,556
METHOD OF ANNEALING IRON SHEETS OR STRIPS
Walter Fackert, Neuwied-on-the-Rhine, Germany
Application March 22, 1939, Serial No. 263,533
In Germany April 6, 1938
3 Claims. (Cl. 148—16)



1. A method of annealing iron sheets and the like, more particularly before applying a coating of another metal, for example tin, in a closed annealing chamber, comprising heating the sheets to a temperature of from 250° C. to 400° C. in the presence of a substantially inert scavenging gas containing about 0.5% oxygen, maintaining the temperature until the sheets have been completely degasified in order to prevent carbon separation and finally increasing the temperature to about 600° C. for annealing the sheets.

2,249,557
COMBINED STACKER AND BUCK RAKE
Luke B. Gardner, Moore, Mont., assignor of one-half to Charles E. Gardner, Moore, Mont.
Application May 9, 1939, Serial No. 272,691
1 Claim. (Cl. 214—140)



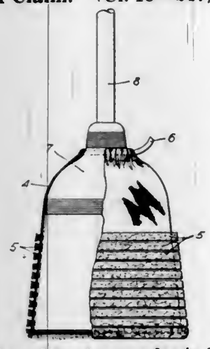
In an attachment for a tractor, a pair of upright frames, one at each side of the tractor, means for connecting the lower ends of said frames to the tractor, a pair of swingable frames, one at each side of the tractor, means for pivotally connecting the upper ends of said swingable frames to the upper ends of the first-mentioned frames, a rake carried by the front lower ends of the swingable frames, a shaft carried by the upright frames, drums on the shaft, cables connected with the drums and with the swingable frames for swinging such frames when the shaft is rotated to raise the rake, a second shaft carried by the upright frames, means for rotating the second shaft, a sectional tubular shaft mounted on the second shaft, means for connecting one of the sections with the first-mentioned shaft to rotate the same when said section is rotated, a drum on the second section of the tubular shaft, a cable connected with the drum and with a part of the rake and tilting a rake when the drum is rotated, a combined clutch and brake disk on the inner end of each section of the tubular shaft, a spool-like member carried by the second shaft and having its ends forming clutch disks, manually operated means for moving the spool-like member into engagement with either one of the first-mentioned clutch disks, brake members engaging the first-mentioned clutch disks, spring means for normally holding the brake members in engagement with the clutch disks and means for moving a brake member out of engagement with the clutch disks when an end of the spool-like member is moved against such disks.

2,249,558
BILLFOLD
Clarence Leslie Green, Albuquerque, N. Mex.
Application February 28, 1940, Serial No. 321,319
6 Claims. (Cl. 150—38)



1. A billfold having a front wall and a back wall secured together to form a pocket to receive bills of different denominations, coextensive partition means in said pocket to provide a plurality of walled compartments, whereby when the bills are arranged in groups with all of the bills of the same denomination in a single group they may be disposed in the pocket with each group in a separate compartment, said billfold having an opening in one of said walls disposed at the end thereof, certain of said partition means extending across said opening and having an outer end releasably fastened to the other of said walls, end flaps to permit access to each of said compartments, at least one of said flaps being formed of said extending portion of said partition means.

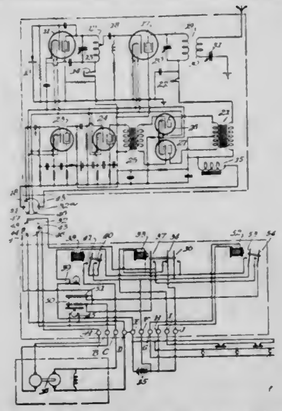
2,249,559
MOP
Celia M. Hilty, Pittsburgh, Pa.
Application April 8, 1939, Serial No. 266,785
1 Claim. (Cl. 15—247)



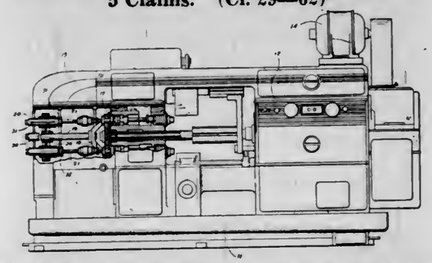
A mop of bag-like form adapted to be placed over a broom or the like, comprising a body portion of cloth having a fibrous nap facing secured to the outer side faces of said body portion along lines extending crosswise of the body portion and of the broom straws, the facing being in the form of narrow laterally-spaced bands, with the nap of each band normally in non-overlapping relation to the nap of adjacent bands.

2,249,560
RADIO ALARM SYSTEM
James O. Howton, Freewater, Oreg., assignor to Howton Radio Alarm Company, Seattle, Wash.
Application February 21, 1938, Serial No. 191,788
6 Claims. (Cl. 177—314)

6. An alarm system comprising a transmitter, a pair of record portions having reproducible sound recorded thereon, a pair of pick-up devices of which one is associable with one of said portions and of which the other is associable with the other of said portions, each of said portions being formed with alternate active and inactive sections, a motor for driving said portions, a burglar circuit and a fire circuit, means controlled by each of said circuits for rendering said motor effective to drive said portions, means controlled by one of said circuits for placing one of said devices in operative connection with said transmitter whereby to broadcast a certain signal, and means controlled by the other of said circuits for placing the other of said devices in operative connection with said transmitter whereby to broadcast a signal distinguishable from the first, one of said devices being operatively associable with an active section of one of said portions when the other of said devices is operatively associated with an inactive section of the other of said portions whereby with said devices in continuous association with the respective portions and both in operative connection with said transmitter, sound is reproduced alternately from the two portions.



2,249,561
FEED TUBE SUPPORT
Alfred F. Jelinek and Walter E. Gross, Cleveland, Ohio, assignors to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application July 20, 1940, Serial No. 346,597
5 Claims. (Cl. 29—62)

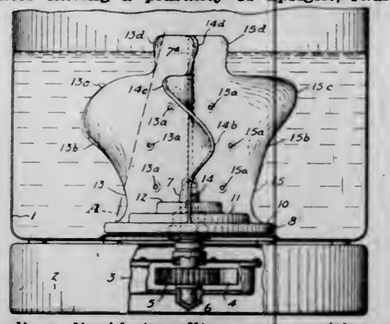


5. A multi-spindle screw machine embodying a housing having a plurality of rotatable spindles therein, an indexable spindle supporting cage, a spider affixed to said spindle cage, a shaft extending therefrom, a ring secured to said shaft, rollers mounted in said housing supporting said ring, sleeves having grooves therein slidably mounted in said ring, stock feed tubes affixed in said sleeves and slidably mounted in the spindles, a rotating cam in said housing, a rod in said housing, a slide thereon, a split ring in said housing, constituting a track engaged with the grooves in the sleeves, a segmental arm on said slide completing the annulus of said split ring within a portion of the indexed cycle of the machine, said cam and slide advancing one of the sleeves out of the path of the annular track.

2,249,562
WASHING MACHINE
James B. Kirby, West Richfield, Ohio, assignor to The Apex Electrical Manufacturing Company, as trustee, Cleveland, Ohio, a corporation of Ohio
Application May 17, 1938, Serial No. 208,374
4 Claims. (Cl. 68—54)

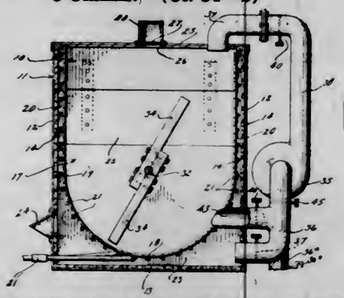
1. A washing machine comprising a tub, an

agitator mounted in said tub for movement about a vertical axis and means for driving said agitator with a reversely rotary movement, said agitator having a plurality of upright, radially



extending, liquid impelling vanes with outer portions inclined with respect to the horizontal and reversely inclined with respect to the portions of the blade radially inward thereof.

2,249,563
FEATHER DRYING MACHINE
Theodore M. Knox, Chicago, Ill.
Application August 3, 1939, Serial No. 288,248
5 Claims. (Cl. 34—2)



1. A machine for drying feathers or the like comprising a housing, a receptacle within the housing spaced therefrom, a steam coil in the space between the housing and the receptacle, said housing having an air inlet in communication with the space defined by the housing and receptacle, an agitator revolubly mounted within the receptacle, a blower exteriorly of the housing, a damper-controlled duct leading from the suction side of the blower to the space defined by the receptacle and housing, a laterally extended damper-controlled duct opening upon the first named duct and the receptacle, said blower having a discharge duct opening into the receptacle at an upper part thereof, said last named duct having a damper for controlling passage of air therethrough, a damper-controlled extension on said discharge duct above the last named duct, and an air discharge vent in the housing.

2,249,564
ADDITION AGENT FOR LUBRICATING OILS
Eugene Lieber, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 15, 1938, Serial No. 219,354
15 Claims. (Cl. 252—51)

1. An improved lubricant comprising mineral lubricating oil and a ketone of the following formula:

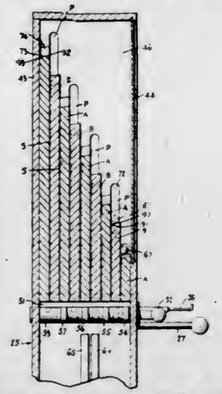
$$R-\overset{\overset{O}{\|}}{C}-R'$$

where R is a naphthenic radical having a molecular weight at least as high as that of the naphthenic radicals obtainable from kerosene and R′ is a closed ring radical selected from the group consisting of poly-nuclear aromatic hydrocarbons and alkyl, hydrogenated, oxy- and nitrogen derivatives of aromatic hydrocarbons.

2,249,565
LUBRICATING OIL INGREDIENTS AND A METHOD OF PRODUCING THEM
Eugene Lieber, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 21, 1939, Serial No. 280,262
14 Claims. (Cl. 260—586)

10. Improved lubricating oil ingredients consisting essentially of naphthenic ketones in which poly-cyclic hydrocarbon radicals are combined with naphthenic acyl radicals of petroleum naphthenic acids.

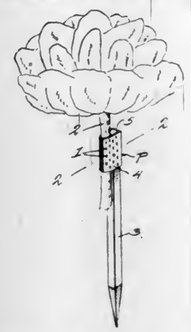
2,249,566
BALL GAME APPARATUS
Oscar Lowenherz, New York, N. Y., assignor to Richard Groetchen, Chicago, Ill.
Application July 16, 1940, Serial No. 345,692
10 Claims. (Cl. 273—118)



6. A ball game apparatus of the character described comprising substantially vertically extending blocks, said blocks being laterally arranged with respect to one another and having each an upper edge, each of said upper edges being sloping with respect to each other, said upper edges being adapted to receive a ball thereon and to guide said ball therealong, and means engageable with said blocks and adapted to move in substantially vertical direction one of said blocks with its upper edge relatively to another of said blocks with its upper edge whereby said ball when received on said one edge may be transferred to said other edge at a predetermined position of said one of said blocks relatively to said other of said blocks.

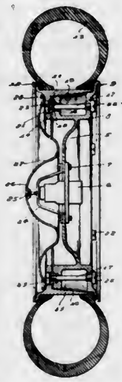
2,249,567
DEVICE FOR STEMMING LEAVES AND FLOWERS
Frederick William Reichelt, Ansonia, Conn.
Application August 25, 1938, Serial No. 226,830
2 Claims. (Cl. 47—55)

1. In combination, a wooden stick having its side faces substantially flat and each of a material width, a member for clamping the stem of a flower or leaf to one of said flat faces of the stick, said member being of metal and having side arms contacting with other side faces of the stick and extending beyond said faces, said arms being bendable to permit the same to be



forced one toward the other to clamp the stem to the stick, the arms of said member having prongs to penetrate the stick and also to penetrate the stem, said prongs being arranged in rows extending across the member, the prongs of one row being staggered with respect to the prongs of an adjacent row, adjacent prongs being in close relation.

2,249,568
DEMOUNTABLE RIM
Willie C. Shinliver, Blue Diamond, Ky.
Application March 9, 1940, Serial No. 323,185
1 Claim. (Cl. 152—405)

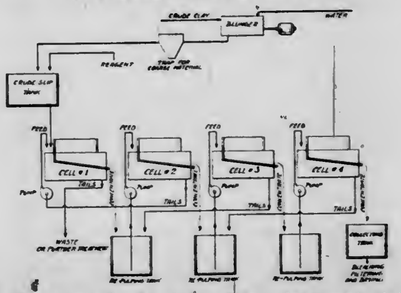


A vehicle wheel including a felly having a bottom and sides at right angles to said bottom whereby said felly is transversely U-shaped, and an outwardly extending tire retaining flange on one side, a rim portion positioned on the felly radially outwardly thereof and having one edge adapted to abut the tire retaining flange of the felly, said rim portion supporting a tire entirely thereon, a tire retaining flange on the other edge of the rim portion and cooperating with the first named flange to retain the tire on the rim portion, said rim portion having an inwardly extending flange adapted for bearing against one side of the felly, conical recesses in the said one side of the felly, conical protuberances on the abutting side of the last named flange adapted to conformably seat in said recesses said recesses and protuberances having bores therein and bolts removably received in said bores for securing said last named flange to the felly, said protuberances serving to aline the bores.

2,249,569
TREATMENT OF CLAY BY FLOTATION
Donald S. Phelps, Harvard, Mass., assignor to Edgar Brothers Company, Metuchen, N. J., a corporation of New Jersey
No Drawing. Application July 29, 1940, Serial No. 348,288
6 Claims. (Cl. 209—166)

1. In the treatment of clay material, the steps comprising establishing a clay pulp containing sulfite waste liquor and blowing air into the pulp to produce a clay-selecting froth.

2,249,570
FRACTIONATION OF CLAY
George J. Lane, Metuchen, N. J., and Donald S. Phelps, Harvard, Mass., assignors to Edgar Brothers Company, Metuchen, N. J., a corporation of New Jersey
Application July 29, 1940, Serial No. 348,174
6 Claims. (Cl. 209—166)

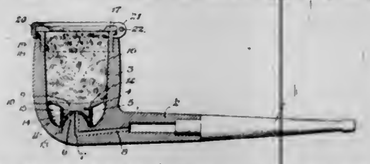


1. In a method of treating clay material to fractionate the same in particle size to obtain a clay fraction having a maximum particle size which is smaller than 20 microns, and wherein the clay material includes a substantial content of clay particles at least as small as about 20 microns and larger than the maximum of the desired fraction, the steps of establishing a pulp of the clay material and subjecting the same to froth flotation treatment in the presence of sulfite waste liquor, including aerating the pulp to produce a moving, clay-carrying froth and collecting the froth at the end of its travel, while maintaining a sufficiently low solids content in the pulp, sufficient fragility of froth bubbles and sufficient time of travel of the froth, in correlation to inhibit support by the collected froth of clay particles larger than the aforesaid maximum.

2,249,571
SMOKING PIPE
John Lang, New York, N. Y.
Application February 15, 1940, Serial No. 319,092
3 Claims. (Cl. 131—181)

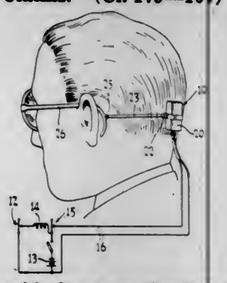
1. A smoking pipe including a bowl having an entrance end and a smoke outlet end, a rotatable tobacco adjusting ring on said entrance end and extending inwardly from the inner wall of the bowl so as to constrict said entrance end and stir the tobacco in said bowl, a fixed flange on the entrance end of said bowl, and a hand-actuated clamping ring into which said adjusting ring and

flange project and which clamps the adjusting ring only so as to hold the adjusting ring in place



and to serve as a handle to impart rotary movement to the adjusting ring.

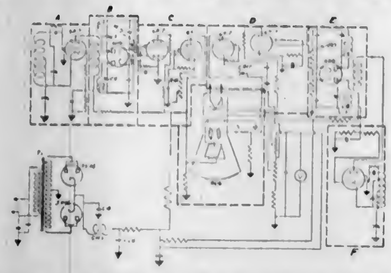
2,249,572
WEARABLE BONE-CONDUCTION HEARING AID
Hugo Lieber, deceased, late of New York, N. Y., by Dora Lieber, executrix, New York, N. Y., assignor to Lieber Patents Corporation, a corporation of New York
Original application July 18, 1933, Serial No. 681,002. Divided and this application March 22, 1939, Serial No. 263,340
2 Claims. (Cl. 179—107)



1. In a wearable bone-conduction hearing-aid device designed and arranged for inconspicuous wear on the head of the user, a small light bone conduction receiver having a vibration transmitting contact surface arranged to be held pressed and coupled to a hearing-inducing bone of the user, supporting means encircling the head of the user for supporting said receiver thereon and pressing its vibration transmitting contact surface against said bone, said supporting means comprising a spectacle structure engaging the front of the head, and a strip-like connector of soft, self-aligning, flexible, material connected to the side portions of said spectacle structure and extending along the occipital bone below the greater occipital protuberance on the rear of the head, said spectacle structure and said connector being so designed and interconnected with said receiver as to maintain said connector in stretched condition required to press said contact surface against said bone with a pressing force sufficient for transmitting thereto the vibratory forces required to induce hearing by bone conduction while maintaining said front member and said connector in a stable equilibrium position on the head and distributing over the front and rear portions of the head a substantial portion of the forces required in order to balance said pressing forces.

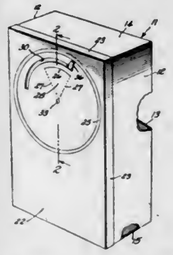
2,249,573
ENGINE INDICATOR
Robert H. Morse, Jr., Chicago, Ill.
Application August 8, 1938, Serial No. 223,582
7 Claims. (Cl. 73—30)

6. An indicator for an engine cylinder comprising two oscillating circuits, means responsive to the pressure within the engine cylinder to vary the frequency of one of said circuits, means related to the position of the engine crankshaft to vary the frequency of the other oscillating circuit, a pair of tuned circuits coupled to each oscillating circuit, a rectifier for each tuned circuit, each pair of tuned circuits being connected to have the rectified output of each tuned circuit of the pair oppose the other tuned circuit of the pair, an amplifier coupled to



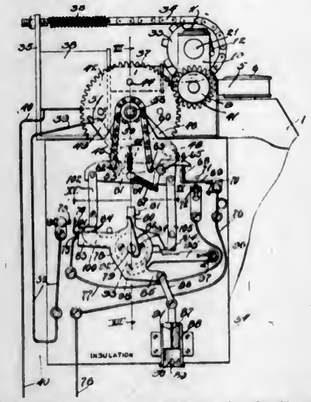
the combined output of each pair of tuned circuits, an electrical indicating means having its horizontal movement controlled by the output of one amplifier and its vertical movement controlled by the output of the other amplifier, means to set the indicating means to bring its horizontal beam to a reference point when the outputs of the tuned circuits of one of the pairs is equal and means to set the vertical beam at a reference point when the outputs of the tuned circuits of the other pair of tuned circuits are equal.

2,249,574
CLOSURE AND SPOUT FOR CONTAINERS
James H. Morrison, Los Angeles, Calif., assignor to The McCass Company, Los Angeles, Calif., a corporation of California
Application November 17, 1939, Serial No. 304,961
5 Claims. (Cl. 221—11)



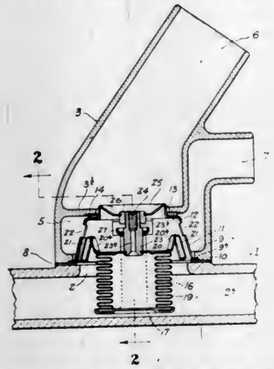
4. In a container for pourable material, the combination of: an element rotatably mounted on a given wall of said container, said wall having an outlet opening formed therethrough, said element being rotatable in a plane parallel with the plane of said wall and adapted to cover and uncover said outlet opening; and a foldable pouring spout associated with said given wall and said rotatable element, said spout, when inoperative, being normally folded flat against said wall and unfolded into pouring relation with said outlet opening when said outlet opening is uncovered by said rotatable element, said spout being folded into said inoperative position when said outlet opening is covered by said rotatable element.

2,249,575
TICKET CUTTING MACHINE
James J. O'Brien and James Strad, Chicago, Ill.
Application March 1, 1939, Serial No. 259,158
10 Claims. (Cl. 164—68)



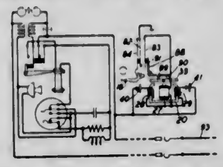
10. Ticket issuing apparatus, including feeding means to extrude a stock ribbon, cutting mechanism arranged to respond to a feeding movement of said means to sever a ticket from said ribbon, and retarding mechanism arranged to delay the cutting action of the cutting mechanism until all feeding movement has ceased.

2,249,576
BY-PASS THERMOSTAT VALVE MECHANISM
Lambert M. Payne, Detroit, Mich.
Application August 13, 1938, Serial No. 224,807
3 Claims. (Cl. 236—34)



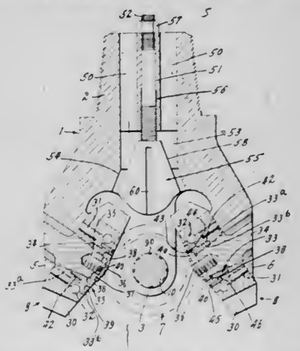
3. In a by-pass thermostat valve mechanism for controlling the flow of cooling liquid for an internal combustion engine, the combination of a casing comprising a frusto-conical skirt, a substantially cylindrical neck extending from the smaller end of said skirt and provided at its outer end with a seat for a valve, the said skirt being provided with openings through the side wall thereof for the passage of cooling liquid to a by-pass connection, a thermostatic bellows, a stirrup for supporting the bottom of said bellows and for suspending the said bellows from said casing, a plate secured to the upper end of said bellows, a stud connected with the upper end of said bellows and extending through the said plate, a valve mounted on said stud and adapted to cooperate with the seat formed on the end of said neck, and valve members carried by said plate, said members each comprising a frusto-conical segment the outer surface of which is similarly shaped with the inner frusto-conical surface of said skirt and adapted to contact with said surface only when the valve members shall have substantially closed the said openings.

2,249,577
POLARIZED RELAY
Robert L. Peek, Jr., Townley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 16, 1938, Serial No. 240,687
8 Claims. (Cl. 175—320)



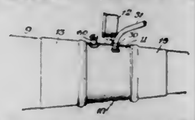
1. A polarized electromagnet comprising an E-shaped core, an armature pivoted adjacent the free end of the center limb of said core for rotative movement in a direction depending upon the polarity of the voltage applied to said electromagnet, a main winding on the center limb of said core, an auxiliary winding on each of the side limbs of said core and connected in circuit with said main winding, means for preventing current from traversing one of said auxiliary windings when the applied voltage is of one polarity, and means for preventing current from traversing the second of said auxiliary windings when the applied voltage is of the opposite polarity.

2,249,578
ROLLER BIT
John T. Phipps, Huntington Park, Calif.
Application November 18, 1939, Serial No. 305,118
4 Claims. (Cl. 255—71)



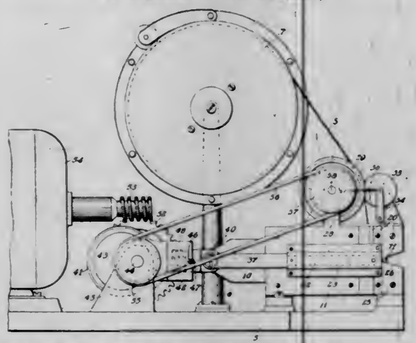
1. A roller bit comprising a body member attachable at its upper end to a hollow drill stem and having adjacent its lower end a plurality of diverging arms supporting cutting rollers, said body member having a longitudinal fluid passage therethrough, the lower portion of said passage being of substantially circular cross section, a baffle member supported from said body member and positioned within said lower portion of said passage and defining therewith an annular nozzle for the discharge of fluid.

2,249,579
CIRCULATION PROMOTION DEVICE
John G. Rea, Union City, N. J.
Application August 5, 1939, Serial No. 288,538
3 Claims. (Cl. 128—299)



1. A circulation promotion device including a rigid casing, a flexible boot fastened intermediate its ends to said rigid casing, means for pumping air in and out of the compartment formed between said flexible boot and said rigid casing, and a flap valve to allow air to be pumped from the interior of the boot into the compartment formed between the boot and the casing but to prevent air from being pumped from the compartment into the interior of the boot.

2,249,580
TAGGING MACHINE
Charles A. Schwerin, Newark, and Ernest H. Albertson, Hackettstown, N. J.; said Albertson assignor, by mesne assignments, to said Schwerin
Application April 7, 1939, Serial No. 266,658
6 Claims. (Cl. 153—1)

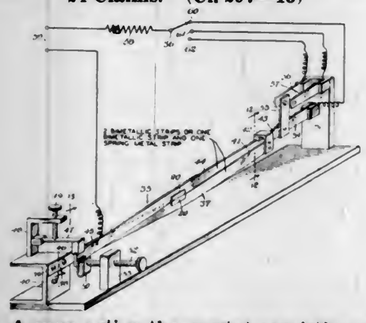


1. In a tagging machine, a reciprocating member, a pair of opposed jaws carried by said member, means yieldingly holding said jaws in normal spaced apart relation, a movable anvil normally positioned in the path of movement of said jaws, said jaws in the movement of said member in one direction adapted to engage and bend a metallic fastening element around said anvil, means for retracting said movable anvil, and relatively stationary means thereafter coacting with each of said jaws in the further movement of said member to move the jaws towards each other and further bend the spaced parts of said fastening element to clinch the same upon an interposed tagged article.

2,249,581
NONPOISONOUS CARBURIZING LIQUID BATH
Haig Solakian, New Haven, Conn., assignor to Artemas F. Holden, New Haven, Conn.
No Drawing. Application November 30, 1938, Serial No. 243,119
6 Claims. (Cl. 148—30)

1. A heat treating liquid bath for ferrous work comprising in substantial amounts silicon carbide not in excess of 5% of the total weight of the bath and a basic salt which reacts with the silicon carbide to decompose the same and liberate the carbon therefrom at temperatures ranging substantially from 1400° F. to 1800° F.

2,249,582
THERMOSTAT
Howard M. Strobel, Allegany, N. Y.
Application October 27, 1939, Serial No. 301,543
24 Claims. (Cl. 297—15)



10. A snap action thermostat consisting of two bimetallic strips of flat stock having each pair of adjacent ends restrained from spreading while permitting limited rotatory movement of at least one of the ends, said strips being provided with a suitable centrally located edgewise pivotal point.

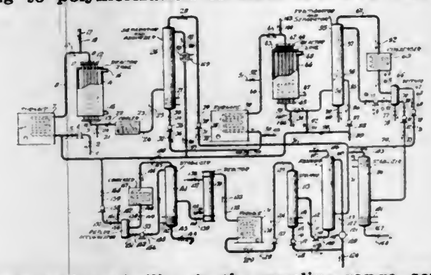
17. A snap action thermostat consisting of two bimetallic strips of flat stock having two adjacent ends restrained from spreading while permitting limited rotatory movement of at least one end and being crossed edgewise and the remaining adjacent ends of the strips having cooperative means for restraining said last ends against spreading translational movement relative to each other while permitting rotatory movement of at least one of said last ends, the combination then being stressed or buckled by inserting centrally between the edges a separating bearing surface.

2,249,583
POLYMERIZATION OF HYDROCARBONS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 30, 1938, Serial No. 243,262
8 Claims. (Cl. 196—10)

1. A process for polymerizing olefins which comprises subjecting the same to polymerizing conditions in the presence of a polymerizing catalyst consisting essentially of a mixture of silica, alumina and zirconia.

2,249,584
CATALYTIC TREATMENT OF HYDROCARBONS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 30, 1939, Serial No. 253,630
16 Claims. (Cl. 196—10)

14. A hydrocarbon oil conversion process which comprises subjecting the oil, together with normally gaseous paraffins of at least 3 carbon atoms to the molecule, to catalytic dehydrogenation to produce normally gaseous and normally liquid olefins, separating from the resultant products an olefinic gas and an olefinic liquid, cracking the latter in the presence of a cracking catalyst to produce gasoline and additional gaseous olefins therefrom, subjecting said olefinic gas and additional gaseous olefins produced by the cracking to polymerization to form normally liquid



hydrocarbons boiling in the gasoline range, separating the last-named hydrocarbons from residual gases, and supplying at least a portion of the residual gases to the dehydrogenation step as said normally gaseous paraffins.

2,249,585
DEVICE FOR PULLING PIPES AND THE LIKE
Paul W. Thomure, Prairie du Rocher, Ill.
Application April 22, 1940, Serial No. 330,949
3 Claims. (Cl. 294—96)



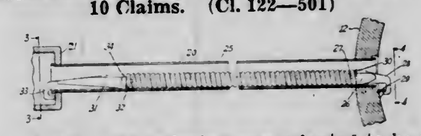
1. A device of the class described comprising a pair of members having inner contacting wedge faces adapted on relative longitudinal movement of said members to move said members outwardly in opposite directions, gripping portions formed on said members, an end portion formed on one of said members which is adapted to underlie and embrace an end portion of the other member, said underlying and embracing portion of said one member being provided with a recess in which a correspondingly shaped part of the end portion of the other member is adapted to be seated, guiding means for guiding movement of said member provided with said underlying and embracing portion with respect to said other member, said guiding means comprising an elongated element which is fixed to and extended from said member provided with said underlying and embracing portion, and elements extended from said other member which engage said elongated element for sliding movement with respect to said elements, means comprising an operating element fixed to said elongated element for moving and controlling movement of said guided member relative to said other member, and means for imparting movement to said other member.

2,249,586
CONSTANT FLOW VALVE OR SPILLWAY
James Scott Thompson, Hackensack, N. J.
Application November 29, 1938, Serial No. 242,901
4 Claims. (Cl. 61—18)



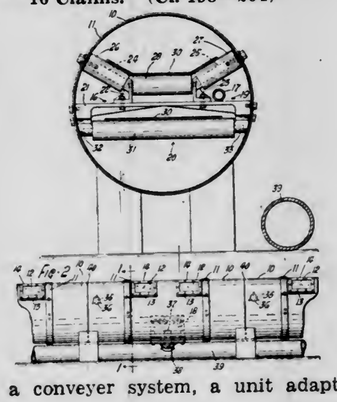
1. A flow valve for a reservoir having a variable head comprising a tubular outlet from said reservoir having a converging outlet, a Venturi tube having a throat flaring from one end to the other and merging into a cone-shaped outlet member, said throat being foraminous from one end to the other, means forming a discharge well at the end of said outlet member for receiving fluid therefrom, said well having an outlet opening, a siphon well, means for directing fluid from said discharge well to the siphon well, and a tubular member extending upwardly from the bottom of said siphon well to said throat, said tubular member surrounding said throat but spaced therefrom whereby liquid from said tubular member will enter said throat and throttle the fluid passing therethrough.

2,249,587
TUBE DISPLACER
Richard H. Tilghman, East Orange, N. J., and Ervin G. Bailey, Easton, Pa., assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application January 28, 1939, Serial No. 253,240
10 Claims. (Cl. 122—501)



1. A flow area reducing core adapted to be inserted in a fluid conduit comprising a hollow elongated elastic body member and means mounted on each end of said body member for detachably holding the core under tension in position in the conduit.

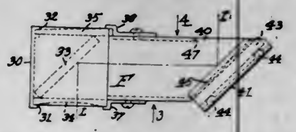
2,249,588
CONVEYER
George A. Waddle, Akron, Ohio
Application March 7, 1940, Serial No. 322,731
16 Claims. (Cl. 198—204)



1. In a conveyer system, a unit adapted to

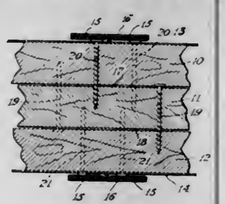
be joined with similar units to comprise a conveyer system, said unit comprising a conduit having a tubular section, a cross-beam removably secured to said conduit and enclosed therein, a trunnion supported by said cross-beam, an idler roller carried by said trunnion and a return idler roller supported in said conduit, and an endless conveyer supported by said idler roller and said return idler roller.

2,249,589
RANGE FINDER
John E. Woodbury, Worcester, Mass.
Application October 30, 1939, Serial No. 301,908
1 Claim. (Cl. 95—44)



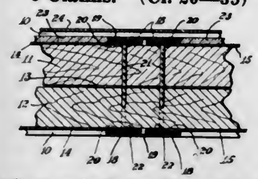
In a camera rangefinder, the combination of an eye-piece lens having three adjacent fields of view, means located in part of the total field of the lens producing in said eye-piece a direct image of a given object from a given viewpoint to provide one field, means including a prism located in another part of the total field and producing in said eye-piece a closely adjacent and direct but laterally deflected image of the same object from the same viewpoint to provide a second field, and means including a pair of substantially parallel but oppositely inclined mirrors located in still another part of the field and producing in said eye-piece a closely adjacent reflected image of the same object from a point of observation substantially displaced laterally from the viewpoint of the direct and deflected images to provide a third field, the correct focal adjustment of the camera for the object distance being indicated by the lateral displacement of the reflected image relative to the direct image and to the deflected image.

2,249,590
FIRE RETARDANT BUILDING MATERIAL
Arthur A. Allen, Bellerose, N. Y., assignor to The Peele Company, Brooklyn, N. Y., a corporation of New York
Application April 2, 1940, Serial No. 327,507
11 Claims. (Cl. 20—91)



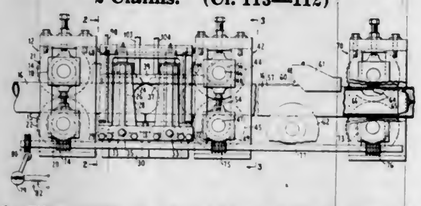
1. Fire retardant building material embodying therein a filler or core of low heat conductivity, metal sheathing upon opposite faces of said filler or core, and means securing the sheathing upon opposite faces of said filler or core together so as to prevent bulging or distortion thereof, comprising a metal sheet imbedded in said filler or core intermediate and spaced from the opposite faces of said sheathing, and fasteners passing through the material of said sheathing, said filler or core and said intermediate metal sheet.

2,249,591
FIRE DOOR
Arthur A. Allen, Bellerose, N. Y., assignor to The Peele Company, Brooklyn, N. Y., a corporation of New York
Application February 11, 1941, Serial No. 378,460
9 Claims. (Cl. 20—35)



1. A fire door embodying therein a panel closing a door opening, said panel comprising a plurality of plies of inflammable material, a metal strip imbedded therein, a metal sheathing enclosing said core composed of a plurality of parallel strips of metal having a turned edge and a vent opening therethrough adjacent said edge, metal fasteners passing through said sheathing strips adjacent the edges thereof and an adjacent metal strip imbedded in the core, and a flanged cap the flanges of which form a lap joint with the inturned edges of adjacent sheathing strips, said cap being of a width to cover the seam between adjacent sheathing strips and a vent opening adjacent said seam.

2,249,592
TUBE WELDING
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1937, Serial No. 152,957
2 Claims. (Cl. 113—112)

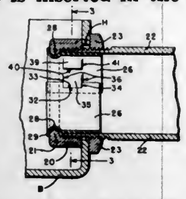


1. The method of making welded pipes and tubes by locally heating the spaced longitudinal edges of a traveling tube blank and progressively bringing the edges into contact immediately beyond the region of heating, and effecting the heating by projecting flame jets diagonally and directly against the spaced faces of the edges during most of the heating step, and projecting flame jets diagonally against each other in position to deflect a flat flame of high intensity into the space between said edges during the latter part of the heating step and while the edge faces are moving into contact.

2,249,593
INSERTABLE INSULATING BUSHING
Carroll A. Badeau, Highland Park, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application April 6, 1939, Serial No. 266,298
9 Claims. (Cl. 174—83)

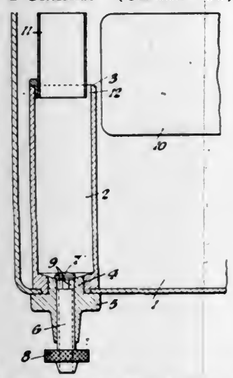
1. An insulating bushing for insertion into a wiring raceway assembly comprising a sleeve of flexible insulating material having a slot extending lengthwise from end to end thereof so that wires may be inserted therethrough and so that

the sleeve may be contracted circumferentially with its edges at the slot initially overlapping for insertion in the raceway and then expanded, the slot defining longitudinal edges of the sleeve, abutting edges adjacent the longitudinal edges of the sleeve which come into abutting relation when the sleeve is inserted in the raceway and



expanded therein, and an inwardly directed circumferential groove in the sleeve forming a bead upon the inner surface thereof, the edges of the bead upon each side of the slot interengaging, when the abutting edges abut each other, for holding the adjacent longitudinal edges of the sleeve against relative longitudinal movement.

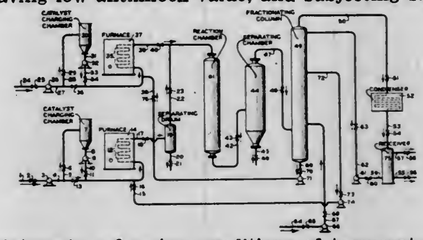
2,249,594
LIQUID MEASURING AND DELIVERING APPARATUS
Harold Holmyard Beasley, Bristol, England
Application February 11, 1941, Serial No. 378,386
In Great Britain September 19, 1939
4 Claims. (Cl. 221—95)



1. In liquid measuring and delivering apparatus a reservoir, a measuring chamber freely communicating at its upper end with the interior of the reservoir, means to displace liquid from the reservoir into the measuring chamber by a level raising operation, a valve device at the lower end of the measuring chamber adapted to be operated to discharge the liquid from the chamber, and a substantially tubular baffle depending into the upper end of the measuring chamber and preventing convergence of the inflowing liquid in the upper part of the chamber to obviate a liquid seal or air pocket.

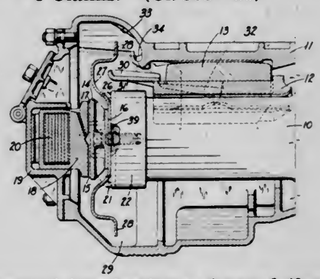
2,249,595
CATALYTIC TREATMENT OF HYDROCARBONS
Wayne L. Benedict, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 20, 1940, Serial No. 346,499
7 Claims. (Cl. 196—48)

1. In a catalytic cracking process for the treatment of higher boiling hydrocarbons in the presence of cracking catalyst powders to produce substantial yields of high antiknock gasoline, the improvement which comprises mixing a reforming catalyst powder with a hydrocarbon oil consisting of a major proportion of hydrocarbons boiling within the gasoline boiling point range having low antiknock value, and subjecting said



mixture to reforming conditions of temperature and pressure, separating the reaction products into a non-vaporous residue containing spent reforming catalyst and vaporous products, withdrawing said non-vaporous residue containing spent catalyst from the process and mixing said vaporous reaction products with said higher boiling hydrocarbons and catalyst powder undergoing said catalytic cracking treatment.

2,249,596
JOURNAL BOX
William Blackmore, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application June 8, 1939, Serial No. 278,102
5 Claims. (Cl. 308—86)

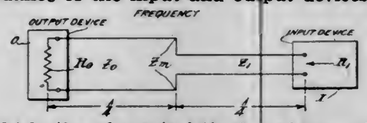


1. A journal box having a journal therein, a thrust member on the end of said journal, said member having a flat inner surface facing the end of the journal, an oil conveying member having a widened central portion between said surface and the end of said journal, means on said thrust member on each side of said widened portion for positioning said thrust member transversely of said journal, and retaining means passing through said members for securing the latter to said journal.

2,249,597
COUPLING DEVICE
George H. Brown, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1939, Serial No. 259,069
8 Claims. (Cl. 178—44)

6. A coupling transformer having a wide band frequency characteristic for coupling an output device and an input device, said transformer comprising n serially connected circuits whose

characteristic impedances are such that the mid-impedance is equal to the geometric mean of the impedance of the input and output devices, and



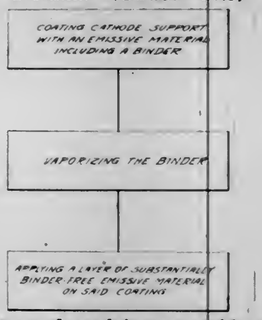
in which the characteristic impedance of any circuit is equal to the geometric mean of the impedances of the adjacent circuits, where n is any even number.

2,249,598

PROCESS FOR COATING OXIDE CATHODES

Erwin Borchardt, Berlin, and Herbert Pietsch, Berlin-Siemensstadt, Germany, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H.," Berlin, Germany, a corporation of Germany

Application October 19, 1939, Serial No. 300,170
In Germany October 31, 1938
1 Claim. (Cl. 250—27.5)



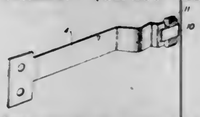
The process of applying an oxide coating on a cathode support which comprises coating the support with an emissive material including a binder, vaporizing the binder and then applying a layer of substantially binder-free emissive material on said coating.

2,249,599

ELECTRICAL CONTACT DEVICE

Robert M. Burns and Edward M. Tolman, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 18, 1939, Serial No. 268,486
11 Claims. (Cl. 200—166)



1. An electrical contact material comprising a body of contact metal having dispersed therethrough between about .1 and about .5 per cent of particles of a harder material with a particle size between about 100 and 500 mesh, said particles being bonded to the adjacent contact metal.

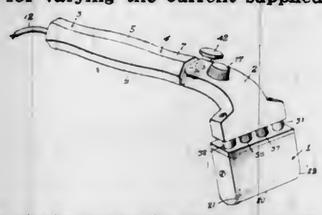
2,249,600

SKI WAXER

Joseph H. Bryan, Missoula, Mont., assignor of forty per cent to Anthony D. Mincoff, Missoula, Mont.

Application March 23, 1940, Serial No. 325,504
3 Claims. (Cl. 219—21)

1. A ski waxer including a substantially rectangular ski-engaging head having one rounded ski-engaging edge, an electric heater in said head, means for varying the current supplied to said



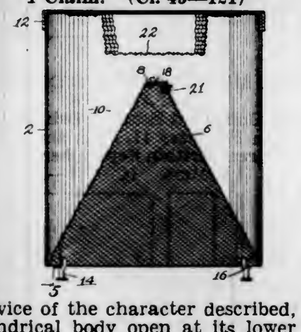
head, a stock, screws for securing said stock to said head, spacing sleeves surrounding said screws for spacing the stock from said head, and a handle secured to said stock.

2,249,601

ROACH TRAP

Frank N. Chapman, Kansas City, Mo.

Application May 21, 1940, Serial No. 336,381
1 Claim. (Cl. 43—121)



In a device of the character described, an upright cylindrical body open at its lower end, a conical screen having its base snugly fitted in the lower portion of the body and provided at its apex with an aperture, said body and conical screen constituting a captivity chamber, and a trap-door hingedly mounted at the upper portion of the conical screen to partially close the aperture, the rear portion of said trap-door extending below the hinge to coact with the conical screen in partially closing the trap-door after the same has been opened.

2,249,602

SUPPRESSION OF METAL CATALYSIS

Joseph A. Chenicek, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 28, 1939, Serial No. 311,316
12 Claims. (Cl. 44—9)

1. A method for treating gum-forming hydrocarbon distillates containing metal compounds having a catalytic effect on gum formation, which comprises incorporating into the distillate a relatively small but sufficient quantity of an ortho-hydroxybenzal-aminophenol to suppress said catalytic effect of the metal compounds.

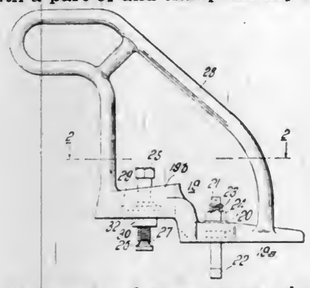
2,249,603

KEY FOR REMOVING MANHOLE COVERS AND THE LIKE FROM THEIR FRAMES

Vivian Elkington, Dover, England

Application December 12, 1939, Serial No. 308,863
In Great Britain December 15, 1938
6 Claims. (Cl. 254—126)

1. A key for breaking the joint between a manhole cover and its frame comprising in combination a key body, opening means carried by said key body and adapted to make lifting engagement with a part of and clamp the key body rigidly to the cover, and screw means also carried by the key body which are spaced from the opening means to react against the frame and break the joint by the screw action.

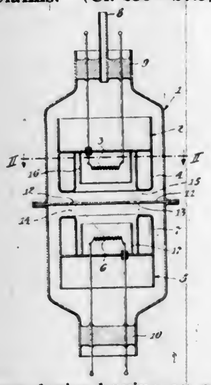


2,249,604

CONTROLLABLE ELECTRIC DISCHARGE DEVICE

Adalbert Etzrodt, Berlin-Siemensstadt, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany

Application May 2, 1941, Serial No. 391,498
In Germany August 21, 1939
6 Claims. (Cl. 250—27.5)



1. A discharge device having an envelope containing two composite main electrodes, each having an anode portion and a cathode portion, the cathode portion having a central position and the anode portion in annular relation with said cathode portion, and a single control electrode intermediate said main electrodes.

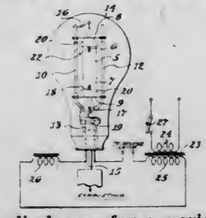
2,249,605

METHOD OF EXHAUST

George A. Freeman, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 8, 1940, Serial No. 360,219
5 Claims. (Cl. 176—2)

1. The method of seasoning high pressure mercury vapor lamps which comprises sealing off the quartz envelope containing the electrodes, mounting the sealed envelope in an outer envelope, energizing the lamp to initiate and sustain an arc discharge between the electrodes to heat the latter to a temperature sufficient to drive off occluded gas and cause the latter to diffuse through the heated quartz envelope, exhausting the outer envelope during the continuance of the discharge for a period of time sufficient to remove the gas therefrom, and sealing off the outer envelope.

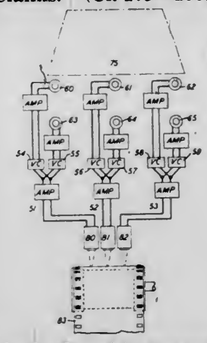


2,249,606

STEREOPHONIC SOUND RECORDING SYSTEM

Reginald T. Friebus, Montclair, N. J., assignor to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware

Application March 22, 1938, Serial No. 197,323
8 Claims. (Cl. 179—100.3)



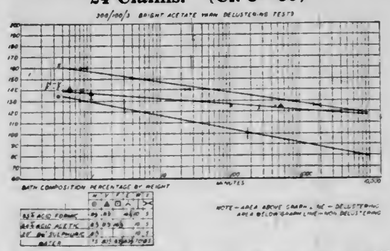
1. The method of making sound records for the production of stereophonic stage effects which comprises generating currents representing sound waves close to an actual sound source, generating currents representing sound waves at a distance from the source, mixing the currents in different proportions according to the desired spacial distribution of the sounds when reproduced, and separately recording said different proportions of mixed currents.

2,249,607

METHOD OF DYEING CELLULOSE ACETATE AND DYE BATH COMPOSITIONS

Luigi C. Galatioto, Providence, R. I., assignor to Atlantic Rayon Corporation, Providence, R. I., a corporation of Rhode Island

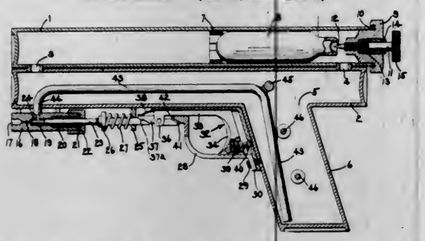
Application April 24, 1939, Serial No 269,661
24 Claims. (Cl. 8—59)



1. Method of dyeing cellulose acetate with an

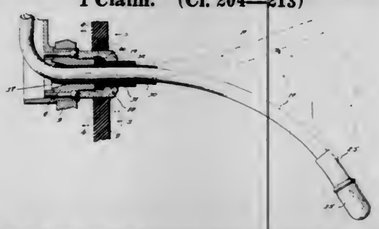
acid dye, comprising the step of treating the acetate with an acid dye and with an aqueous solution of an organic solvent thereof having a concentration between its threshold value and its critical point, with reference to the absorption of the material treated, and an inorganic acid.

2,249,608
FLUID GAS GUN
Fred E. Greene, Bellville, Ohio
Application July 3, 1939, Serial No. 282,610
15 Claims. (Cl. 221—31.5)



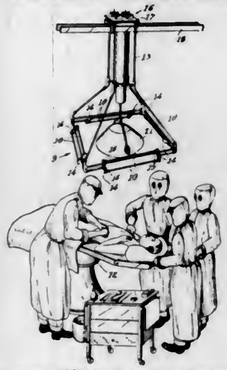
1. A device of the character described comprising adjacent communicating compartments adapted to be substantially filled with a liquid, pressure producing means located in one of said compartments, a nozzle, means for conveying liquid under pressure from one of said compartments to said nozzle, retractible valve means normally closing said nozzle, manually operable means for retracting said valve a predetermined distance, and means for automatically releasing said retracting means.

2,249,609
CONTACT FOR ELECTROPLATING MACHINES
William Henry Jackson, Birmingham, Mich., assignor, by mesne assignments, to The Udylite Corporation, a corporation of Delaware
Application September 7, 1937, Serial No. 162,574
1 Claim. (Cl. 204—213)



In an electroplating machine comprising a stationary support, a rotating cylinder rotatably mounted on said stationary support and having an opening in an end wall at the axis of rotation and adapted to receive the work to be plated, and a contact comprising a flexible member fixed at one end to the stationary part of the machine and passing through the said opening and into the said cylinder adapted to contact the work in the cylinder, the combination with said cylinder and contact of a cantilever support for the contact at the said opening comprising a plurality of resilient tubes of different diameters mounted one within the other and over the said flexible contact, each tube of lesser diameter having a greater length and extending within the cylinder beyond the tube of the greater diameter, the contact having a slip fit with the innermost of said tubes whereby the bending stresses to which the flexible contact is subjected during the rotation of the cylinder are distributed along a portion of the said contact.

2,249,610
METHOD AND APPARATUS FOR MEDICAL PURPOSES
Robert F. James, Mahwah, N. J., and Deryl Hart, Durham, N. C., assignors, by direct and mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 13, 1936, Serial No. 85,692
9 Claims. (Cl. 128—396)



3. In an operating room, apparatus mounted for movement over an operating table, said apparatus comprising a movably mounted supporting element, a transformer carried thereby, supporting rods depending from said element, each of said rods extending downwardly therefrom and then flaring diagonally outward, a straight sided frame having each corner connected to one of said rods, each side of said frame carrying contacts, an elongated ultraviolet generator paralleling each side of the frame between said contacts, and means electrically connecting said contacts to said transformer.

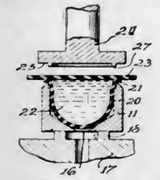
2,249,611
INTERNAL THREAD GAUGE
Stanley G. Johnson, Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application February 8, 1939, Serial No. 255,281
4 Claims. (Cl. 33—199)



1. A gauge for internal screw threads com-

prising in combination, a two-part telescoping rod having a thread engaging member at the outer end of each part, spring means normally forcing said parts to engage said members with the threads being measured, and an abutment on each of said parts of said rod spaced apart when said parts are in gauging position, whereby the adjustment of said members when in engaging positions may be determined.

2,249,612
METHOD OF MAKING GOLF BALL CORES
Phillip Kalowski, Chicago, Ill., assignor, by mesne assignments, to Golf Ball, Inc., Chicago, Ill., a corporation of Illinois
Application November 12, 1938, Serial No. 239,997
5 Claims. (Cl. 154—18)

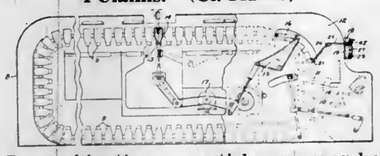


1. The method of making golf ball cores which comprises enclosing a normally mobile material in a cup-shaped member of vulcanizable rubber, then capping said cup-shaped member with a sheet of vulcanizable rubber to completely seal the mobile material therein to the exclusion of any undissolved gases and then re-shaping said capped member to a perfect sphere in an appropriate vulcanizing and curing mold.

2,249,613
TREATMENT OF HYDROCARBON OILS
Ivar H. Kinneberg, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 31, 1938, Serial No. 238,029
3 Claims. (Cl. 196—52)

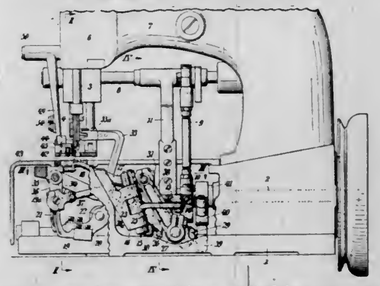
1. A process for converting hydrocarbon oils into substantial yields of motor fuel of high antiknock value, which comprises subjecting said oil at an elevated temperature above 500° F. to contact with a catalyst produced by precipitating a hydrous silica, washing and treating to substantially remove alkali metal ions, depositing metallic aluminum thereupon and drying, forming into granules and calcining.

2,249,614
BOTTLE WASHER STOP
Archie E. Ladewig, Waukesha, Wis.
Application February 5, 1940, Serial No. 317,242
4 Claims. (Cl. 141—7)



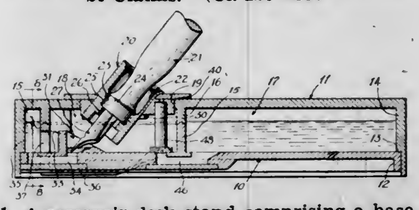
1. In combination. an article conveyor having a loading zone and adjustable devices cooperable with articles transported by said conveyor when said articles are remote from said zone, means for intermittently advancing said conveyor, a lever controlling operation of said conveyor advancing means, a series of fixed pins intermittently revolvable about an axis by said conveyor advancing means, and elements removably associable with selected pins of said series for operative successive engagement with said lever for stopping the movement of said conveyor at predetermined future intervals.

2,249,615
SEWING MACHINE
Frederick Lutz, Stuttgart, Wurttemberg, Germany, assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 26, 1940, Serial No. 342,520
In Germany December 30, 1938
34 Claims. (Cl. 112—162)



1. In a sewing machine, stitching means for forming a seam to join two superposed fabric edges; another stitching means to form an overedge seam concurrently with the formation of the joining seam; and auxiliary means operative to interlock the threads of the two seams incident to their concurrent formation, in such manner that rupture or failure of the one will not affect the integrity of the other.

2,249,616
RESERVOIR DESK STAND
Lynn P. Martin, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application April 1, 1940, Serial No. 327,239
20 Claims. (Cl. 120—59)

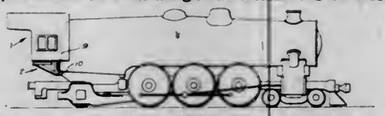


1. A reservoir desk stand comprising a base, a walled compartment in said base forming a closed reservoir for writing fluid, a receptacle for receiving the writing point end of a penholder, a well in said base into which a nib of the penholder is received, a restricted passage for supplying writing fluid from said reservoir to said well, and a slot of capillary dimensions in one of said compartment walls for predetermining the level of fluid in said well.

2,249,617
LOCOMOTIVE CAB SUPPORT
Lawrence L. Neebe, Woodbury, and William A. Bardsley, Oaklyn, N. J.
Application December 30, 1938, Serial No. 248,538
2 Claims. (Cl. 105—456)

1. A locomotive cab support comprising, in

combination, a plurality of vertically extending flanged structural members of substantially uniform cross-section throughout their length, said flanged members being laterally spaced and separate from each other and each having provision for being removably supported at their upper end to a fire box structure which has a substantially vertical surface terminating at its lower end in a water space frame, rearwardly extending cantilever structural members respectively secured to said vertical members, flanged structural members respectively extending diagonally from the respective outer ends of said cantilever members to the lower ends of said vertical members, said diagonal members being of substantially uniform cross-section throughout their length; the vertical, cantilever and diagonal members of the re-



spective groups thereof forming individual integral removable units which by being supported at the upper ends of said vertical members are biased horizontally inwardly at their lower portions into abutting engagement with said vertical surface of the fire box structure adjacent said water space frame and said units constituting substantially the sole support for the underside of the cab, means for supporting the upper portion of said vertical members in spaced relation to the fire box while the lower portion of said vertical members have provision for being supported in abutting engagement with the lower portion of the fire box, bolts for securing the upper ends of said vertical members to said fire box, and a deck plate supported on the upper edges of said cantilever members.

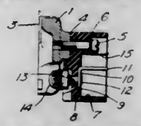
2,249,618

ELECTRICAL CONNECTOR

Kenneth Perkins, Scotch Plains, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application September 30, 1939, Serial No. 297,268

1 Claim. (Cl. 173—332)



An electrical connector comprising a body of insulating material formed with a plug-receiving cavity having side and bottom end walls, a portion of said side wall having a lateral recess therein, a fastening screw having a head in said side wall recess, a plurality of prong contacts mounted on said bottom end wall and spaced from the side wall portions of said cavity, and a ground contact blade set in said side wall recess and having a foot bent to lie at an angle to said blade and extend into said recess and under the head of said fastening screw.

2,249,619

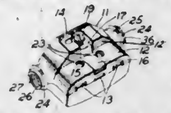
ELECTRICAL PLUG CONNECTOR

Kenneth Perkins, Scotch Plains, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Original application September 30, 1939, Serial No. 297,268. Divided and this application April 12, 1940, Serial No. 329,262

4 Claims. (Cl. 173—332)

3. A connector comprising a hollow casing having a penetrant end-portion and a thicker opposite end-portion, a stepped ground-contact spring blade having two treads and an intermediate riser portion secured by one of said treads to the thicker end portion of said casing, externally of



the latter, the other tread extending onto and toward the free end of said penetrant portion externally of the latter, and live contact elements mounted within the penetrant portion of said hollow casing.

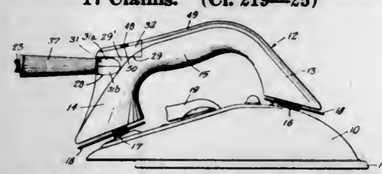
2,249,620

LEAD-IN DEVICE FOR ELECTRIC SADIRON

Abe O. Samuels, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application July 3, 1940, Serial No. 343,686

17 Claims. (Cl. 219—25)



1. In an electric sadiron having a flexible cord for connecting the iron to an electric power supply, a rotatably adjustable lead-in member through which said cord extends mounted at the rear end of said iron whereby the cord may be disposed to project outwardly from either side of the iron or from the rear end thereof; and means for retaining said lead-in member against rotation.

2,249,621

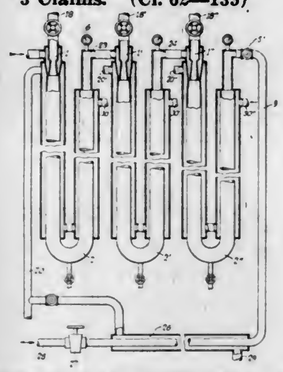
METHOD OF AND APPARATUS FOR AIR CONDITIONING

Peter Schlumbohm, New York, N. Y.

Application April 12, 1939, Serial No. 267,410

In Germany April 13, 1938

3 Claims. (Cl. 62—135)



1. The method of air-conditioning, comprising the step of compressing the air by means of propellant live steam into a tubular condensing space, the step of utilizing the air as pressure-equalizing gas to maintain throughout the tubular condensing space the pressure created at the inlet zone of the condensing space by said steam, the step of lowering the partial pressure of the water vapor at the end-zone of the condensing space by means of fresh cooling water substantially to the saturation pressure corresponding to the temperature of said fresh cooling water and the step of withdrawing air from said end-zone while maintaining said pressure-equalizing partial pressure of air by fresh air compressed by said steam.

2,249,622

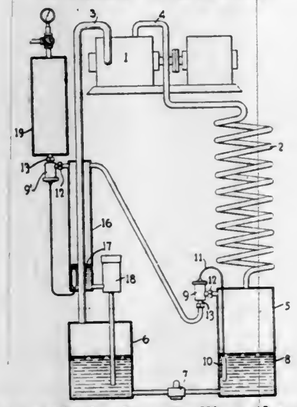
REFRIGERATION CONDENSER CONTROL

Peter Schlumbohm, New York, N. Y.

Application April 22, 1939, Serial No. 269,383

In Germany April 22, 1938

10 Claims. (Cl. 62—170)



1. The method of controlling the condenser pressure of a refrigerating system by operating a valve, comprising regulating the flow of condenser gas by a differential pressure valve system—which is actuated by the difference of the pressures in two spaces separated by a diaphragm, one of the two spaces being an enclosed space filled with a substance having substantially the same thermodynamic properties as the refrigerant used in the condenser—with its one space exposed to the pressure of the condenser while exposing said substance to the temperature of the condenser.

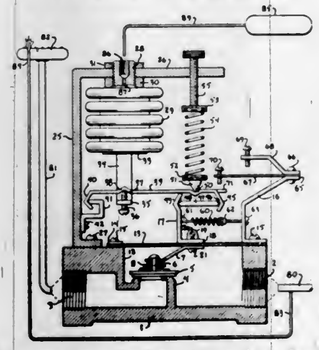
2,249,623

CONTROL VALVE

Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 30, 1938, Serial No. 205,307

13 Claims. (Cl. 137—139)



1. In a valve of the character described, in combination, valve actuating means comprising snap mechanism which is substantially in dead center position when the valve is closed, a condition responsive element for moving said snap mechanism whereby the valve snaps open, and resilient means for resisting further opening movement of the valve actuating means whereby modulating action may take place in response to the conditicn responsive element.

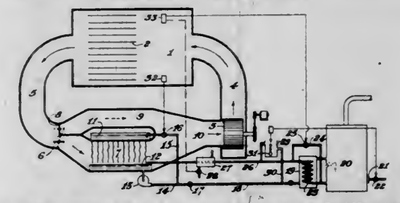
2,249,624

METHOD FOR DRYING

Francis R. Bichowsky, Ann Arbor, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application July 26, 1939, Serial No. 286,536

2 Claims. (Cl. 34—27)



1. The method of removing a volatile liquid from a material wet therewith which comprises: circulating a body of an inert gas in a closed system through a drying zone wherein it is contacted with the wet material and removes part of the volatile liquid therefrom as vapor, then at least in part through a reconditioning zone wherein it is contacted with an absorbent liquor which removes part of the vapor of the volatile liquid and reconditions the gas for re-use, and finally back to the drying zone; circulating the absorbent liquor employed in the reconditioning zone into re-use in said zone; and withdrawing absorbent liquor from the liquor circulatory system, reconcentrating the same to an extent sufficient to maintain the concentration of the entire body of absorbent liquor substantially constant, adjusting the temperature of the reconcentrated liquor to a degree sufficient to compensate for small heat exchange effects between the gas and liquor circulatory systems and the surrounding atmosphere and thus to maintain both the said systems at substantially constant total heat content, and returning the reconcentrated liquor to the liquor circulatory system.

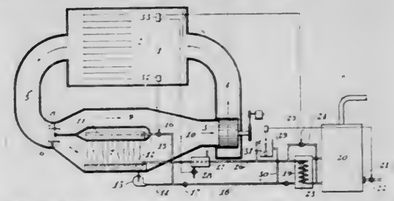
2,249,625

APPARATUS FOR DRYING

Francis R. Bichowsky, Ann Arbor, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Original application July 26, 1939, Serial No. 286,536. Divided and this application November 10, 1939, Serial No. 303,920

8 Claims. (Cl. 34—50)



1. A system for drying materials comprising: a closed thermally insulated circulatory system

for a body of air comprising a drying zone including means for bringing the air into contact with materials to be dried, a reconditioning zone including means for contacting the air with a hygroscopic liquid so as to dehumidify and warm the air, and circulating means for passing the air successively through said drying and reconditioning zones; a closed thermally insulated liquid circulatory system for the hygroscopic liquid including means for circulating the liquid through the aforesaid air-reconditioning zone; a liquid concentrating system including means for withdrawing the liquid from the liquid circulation system, means for concentrating the liquid withdrawn, heat-exchange means for controlling the temperature of the concentrated liquid, and means for returning the concentrated liquid to the liquid circulatory system; and a control system including means responsive to both the humidity and the temperature of the air entering the aforesaid drying zone, the said means controlling both the aforesaid heat-exchange means and the quantity of moisture removed from the air during the passage through the air-reconditioning zone.

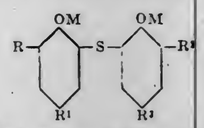
2,249,626

LUBRICATING COMPOSITION

Elmer William Cook, New York, N. Y., and William David Thomas, Jr., Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 13, 1941, Serial No. 383,167
16 Claims. (Cl. 252—48)

1. A lubricating oil composition containing a 2,4-dialkylphenol sulfide having the following formula:



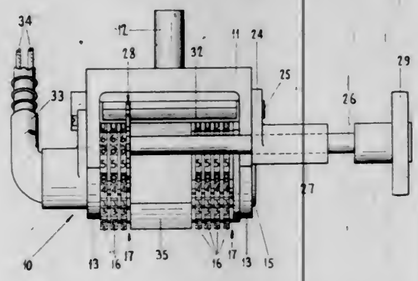
in which R, R^1, R^2 and R^3 are alkyl radicals and M is a metal, in amounts sufficient to exert sludge dispersing properties under heavy duty service without increasing bearing corrosion.

2,249,627

MECHANISM FOR HOT STAMPING

Abraham Drucker, New York, and Patsy La Penna, Brooklyn, N. Y.; said La Penna assignor to said Drucker

Application June 5, 1940, Serial No. 338,882
2 Claims. (Cl. 101—110)



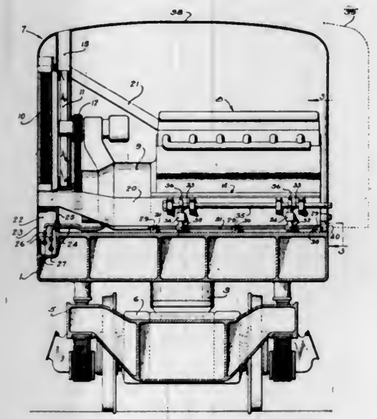
1. In a mechanism for hot stamping, the combination with a housing, a hollow spindle carried by said housing, said mechanism comprising at least two sets of toothed number stamping disks and a non-toothed annular intermediate name plate stamping member rotatably mounted on said spindle, each of said stamping disks having a sideways extension comprising gear teeth in alignment with said number members, springs intermediate said number disks, each of said springs being fixed to said housing and being in engagement with said gear teeth in said sideways extensions for individually locking said disks to said housing, a crank pivotally mounted on said housing, an elongated spindle rotatably mounted at the free end of said crank and having a disk setting gear secured thereto, said spindle and said setting gear being movable into engagement with said gear teeth, whereby said number stamping disks may be selectively engaged by said setting gear to cause rotation thereof by rotating said setting gear, said pivotally mounted setting gear being movable generally radially into a position clear of said name plate member to permit axial movement of said spindle for bringing said setting gear past said name plate member and then movement generally radially into engagement with the teeth of said disks on the opposite side of said non-toothed name plate member, all of said stamping devices being individually resiliently held during said movements.

2,249,628

INTERNAL COMBUSTION ENGINE LOCOMOTIVE

Max Essl, Norwood, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application February 27, 1939, Serial No. 258,689
20 Claims. (Cl. 105—35)



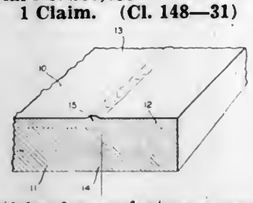
1. A Diesel-electric locomotive for producing large power in a given length of locomotive comprising, in combination, a bed frame mounted upon driving wheels, and a plurality of individual power units each having a Diesel engine and an electric generator disposed at one end thereof, said power units being supported on top of said bed frame in relatively close side by side relation to each other with the engines disposed so that the crankshaft axis of each engine extends transversely of said bed frame thereby forming a longitudinally compact bank of transverse power units.

2,249,629

ARMORED ARTICLE

Robert K. Hopkins, West New Brighton, Staten Island, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

Original application March 2, 1938, Serial No. 193,411. Divided and this application April 11, 1939, Serial No. 267,233
1 Claim. (Cl. 148—31)



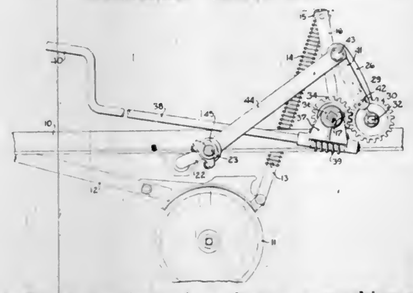
As an article of manufacture a composite steel body including a plurality of superimposed zones united into the integral structure by fusion, one of said zones being of an alloy steel containing from 3% to 20% chromium, molybdenum in effective amounts not exceeding 3%, carbon in effective amounts not exceeding 1.5% and the remainder substantially all iron, another of said zones being of an alloy steel containing about 4.0% nickel, about 1.5% chromium, about 0.15% carbon and the remainder substantially all iron.

2,249,630

LIFT MECHANISM FOR IMPLEMENTS

Howell N. James, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey

Application July 10, 1940, Serial No. 344,753
14 Claims. (Cl. 97—244)



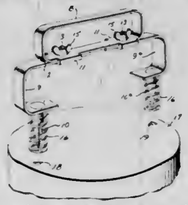
1. In an implement, a frame, a working element, a first means for raising the element from any one of a number of low positions to a single high position, said first means comprising a rockable part pivotally mounted on the frame, a second means connecting the rockable part and the element, and a third means connected with the rockable part for rocking the part and lifting the element by bodily movement from one extreme position to another extreme position of the third means, there being an adjustment of the connection of the rockable part with one of the last two mentioned means, the adjustment of the connection in one extreme position of the second means being ineffective to change the position of the working element, the combination therewith of a fourth means for effecting the said adjustment of the connection of the rockable part with one of the said last two mentioned means, said fourth means comprising a first gear rotatably mounted on the rockable part on an axis spaced from the pivot axis of the rockable part, a link connecting a point on the first gear spaced from its axis of rotation and the one of the said last two mentioned means having the adjustable connection with the rockable part, and a second gear meshing with the first gear and rotatably mounted on the pivot axis of the rockable part.

2,249,631

CAN PUNCTURING DEVICE

William J. Kershenstein, Detroit, Mich.

Application March 11, 1940, Serial No. 323,373
3 Claims. (Cl. 30—16)



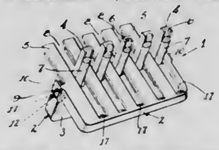
1. A can punching device consisting of a strip of metal bent to form a loop, there being ears formed on one portion of said strip, said ears being bent and re-bent to form tunnel like members beneath said loop, J-shaped members adapted to engage said tunnel members and punches secured to said J-shaped members.

2,249,632

CIGARETTE CASE AND SERVER

Max Levy and Robert I. Shank, New York, N. Y., assignors to Shanley Products Corp., New York, N. Y., a corporation of New York

Application August 29, 1940, Serial No. 354,655
6 Claims. (Cl. 206—41.2)



1. A cigarette case and server having the combination of a pair of receptacles, each of said receptacles having integral therewith a series of projecting individual cigarette retainers disposed in the plane of the receptacle, said receptacles being hinged to each other to swing the back of one toward the back of the other from a common plane for causing disposal of each series of said retainers angular and alternately to those of the other series for insertion and removal of individual cigarettes into and out of said retainers and receptacles, said receptacles being swingable about their said hinging to a position in alignment with each other for closure of the case, and said receptacles when in said alignment disposing all of their said retainers in a common plane for enclosure of the cigarettes.

2,249,633

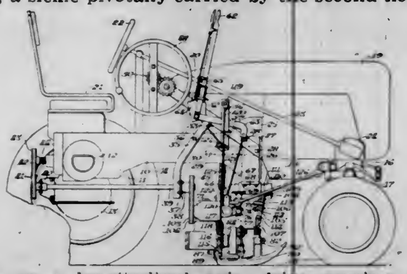
TRACTOR MOWER

Raymore D. MacDonald, Western Springs, and Samuel E. Hilblom, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey

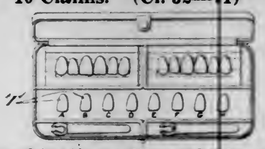
Application May 16, 1940, Serial No. 335,436
18 Claims. (Cl. 56—25)

1. In a tractor-mounted mower wherein the tractor includes a longitudinal body carried on front and rear wheels and having a power take-

off means, the combination with the body of a unitary frame structure detachably carried by the body between the front and rear wheels of the tractor, a mower carried by said frame and including a coupling bar movably connected to the frame for vertical movement and extending at one side of the body, a housing carried by said bar, a second housing pivoted on the first housing on a vertical axis, a cutter-bar including a sickle pivotally carried by the second housing on a longitudinal axis, drive gearing arranged in said housings and including a shaft having its axis coincident with the aforesaid vertical axis, means operatively connecting the gearing and the power take-off means, means carried by the frame for lifting and lowering the coupling bar about its connection on the frame, and means carried by the frame for lifting and lowering the cutter-bar about its axis on the second housing.



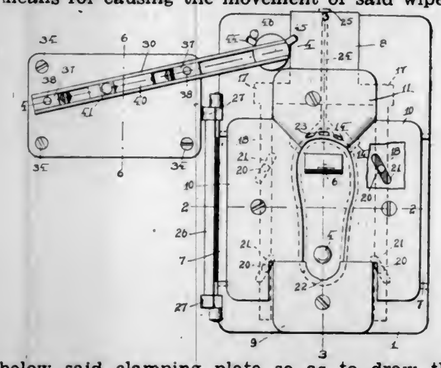
2,249,634
SHADE GUIDE HOLDER
Simon Myerson, Brookline, Mass.
Application May 26, 1939, Serial No. 275,829
10 Claims. (Cl. 32—71)



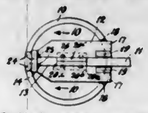
1. The combination with a shade guide tooth having a protuberance extending rearwardly from its lingual side, of a holder having a forked end, said forked end comprising spaced fingers having relatively wide faces and narrow edges, the fingers being so constructed and arranged that the wide faces adjacent the tips of the fingers constitute gripping elements which are normally spaced apart a lesser distance than the thickest portion of said tooth protuberance whereby the fingers coact to engage and resiliently but removably to hold said tooth protuberance introduced between said gripping elements, while the narrow edges of the fingers are extended forwardly toward the lingual side of the tooth so held in the holder, whereby the influence of the material of the holder upon the color of the tooth is minimized.

2,249,635
MEANS FOR MAKING STITCHDOWN SHOES
Thomas S. Newcomb, Rochester, N. Y.
Application August 24, 1939, Serial No. 291,727
14 Claims. (Cl. 12—1)

1. In a combined lasting and shoe applying machine the combination with a toe lasting wiper movable lengthwise and a side lasting wiper movable widthwise of the upper and the last in the machine, of a rigid clamping plate with a fixed opening therethru having substantially the outline and size of the sole to be applied and an operative movement against the top of said wipers so as to hold the edges of the upper outturned from the opening in the plate between the wipers and the clamping plate, and means for causing the movement of said wipers below said clamping plate so as to draw the upper against the last and provide for the placement of the sole against the exposed edge portion of the upper within the opening in said clamping plate.

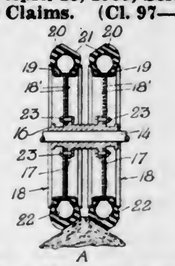


2,249,636
AXLE FOR DOLL EYES
Lazurus W. Pollack, New York, N. Y.
Application May 29, 1940, Serial No. 337,761
7 Claims. (Cl. 46—169)



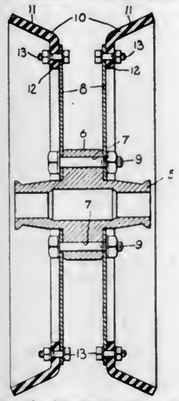
1. An axle for dolls' eyes, comprising a semi-spherical doll eye shell, a plate mounted across the back of said shell and having a narrow elongated slot, a sheet metal member having a wide tubular bent central portion forming a socket for an axle rod and positioned beneath and along the length of said slot and having side walls continuing through said slot, elements on said side walls for engaging the top face of said plate for slidably mounting said sheet metal member on said plate, and an axle rod forced into said socket and projecting from an opening in the side of said eye shell.

2,249,637
WHEEL
Edward L. Rietz, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 15, 1939, Serial No. 268,113
9 Claims. (Cl. 97—56)



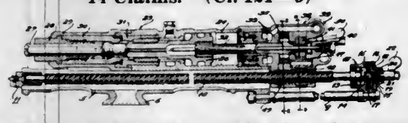
1. A planter press-wheel comprising a wheel having a unitary hub structure, a pair of wheel members carried by the hub in axially spaced relation, each member including an annular tire-carrying rim, and a pair of rubber tires carried respectively by the rims, each tire having an annular, sloping tread portion the section of a cone, said tires being respectively carried on the wheel members with the tread portions sloping radially inwardly toward each other to adapt the treads for pressing opposite sides of planted hills.

2,249,638
WHEEL
Edward L. Rietz, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 8, 1939, Serial No. 283,404
20 Claims. (Cl. 97—56)



1. A press-wheel structure comprising a central wheel part and an annular tread part, said tread part being secured to the wheel part and formed to adapt the wheel for operation over ground wherein ground surfaces and the wheel axis are non-parallel, said tread part comprising a pair of axially spaced inclined tread portions, each in the form of a strip of flexible material of substantially uniform thickness, and each having an outer tread surface the section of a cone having the wheel axis as its axis.

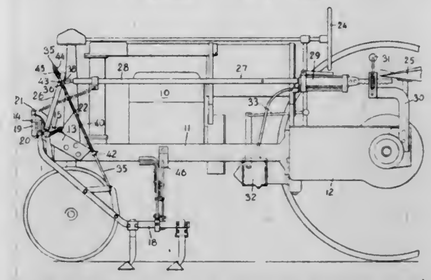
2,249,639
FEEDING MECHANISM FOR ROCK DRILLS
Barton R. Sheets, Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill., a corporation of Delaware
Application September 26, 1940, Serial No. 358,400
14 Claims. (Cl. 121—5)



1. In a rock drill, the combination of a support having slidable thereon a cylinder and a reciprocating piston hammer within the cylinder for delivering impact blows to the shank of a drill steel, a member supporting the steel in line with the piston and having interlocking relation therewith, selective means for rotating the piston on either of its alternate strokes, and means actuated by the first said means on the non-rotating strokes of the piston to move the drill longitudinally of the support.

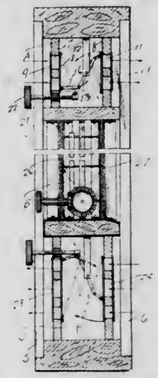
7. In a drilling apparatus, the combination of a guide shell and a drilling motor slidable thereon, a feed screw supported in the shell for free rotation, means carried by the motor and operating on the feed screw for moving the drill on the shell, and means on the guide shell and engageable with the screw for determining the speed at which the motor moves.

2,249,640
LIFTING CONNECTION FOR TRACTOR IMPLEMENTS
Hiram P. Smith, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 26, 1940, Serial No. 326,064
8 Claims. (Cl. 97—50)



1. In combination, a tractor having a body portion, a set of soil-tilling rigs, each of which is connected to the tractor for independent vertical movement but one of the same having portions which extend under the body portion of the tractor to engage the same upon being moved to a lifted position, means for vertically moving all of the rigs of the set together to a lifted position, said moving means including connections with each of the rigs but the connections to the rig having portions which extend under the tractor including yieldable means to permit interruption of movement of the rig upon engaging the tractor and to allow continued movement of the other rig of the set.

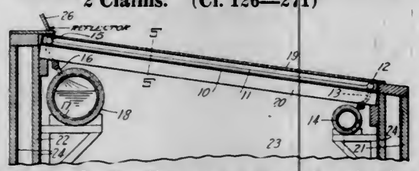
2,249,641
WINDOW
Clarence G. Stucki, Logan, Utah
Application March 13, 1939, Serial No. 261,588
4 Claims. (Cl. 98—88)



1. In a window frame of the character described having an inner and outer surface provided with horizontal slots forming a dead air space between

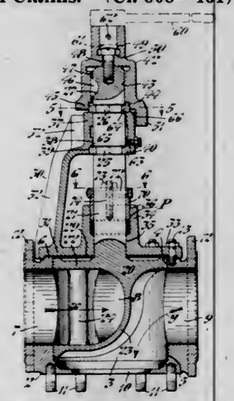
the same, a damper pivoted to one surface above the slots within the dead air space and swinging inwardly, a damper pivoted to the other surface below the slots within the dead air space and swinging inwardly, and a shaft extending from the outside of the frame for simultaneously moving the dampers to or from said slots forming an obliquely arranged air passage within the dead air space.

2,249,642
SOLAR POWER APPARATUS
Edward T. Turner, Dayton, Ohio
Application January 27, 1938, Serial No. 187,253
2 Claims. (Cl. 126—271)



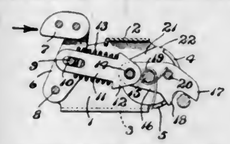
1. In a solar heating apparatus, a housing having upright walls closing the sides and ends thereof, a heater comprising a base of heat absorbing material, a plurality of tubes supported in heat receiving relation to said base, and a transparent closure above said base, said heat absorbing base extending across and closing the top of the housing, means for supplying water to said tubes at one end of said base, an insulated storage receptacle arranged within said housing, and means for connecting said receptacle with said tubes at the other end of said base.

2,249,643
VALVE
John M. Wood, Cranston, R. I., assignor to Franklin Process Company, Providence, R. I., a corporation of Rhode Island
Application August 11, 1938, Serial No. 224,330
4 Claims. (Cl. 308—161)



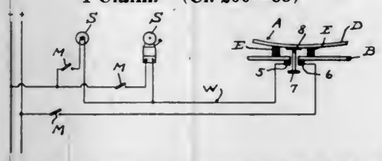
1. A device comprising a casing open at one end, and mechanism mounted on the casing for removal therefrom as a unit, said mechanism comprising a frame having a cover for closing the open end of the casing and arms projecting upwardly therefrom, spaced bearings on the frame, a stem extending through the inner and outer bearings on the frame, said stem having peripheral grooves at the opposite sides of the outer bearing, removable segments in the grooves cooperating to form thrust collars engaging the opposite sides of the outer bearing to restrain the stem against axial movement, and a two-part gland embracing the stem and cooperating with the inner bearing to compress a packing therein.

2,249,644
REFRIGERATOR LATCH
Lloyd L. Anderson, Grandville, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application December 30, 1940, Serial No. 372,222
12 Claims. (Cl. 292—122)



8. A latch comprising, a housing, a latch bolt movably mounted on said housing, a pair of toggle levers connected to said latch bolt and said housing, a spring acting to extend said latch bolt, means for manually moving the toggle levers to retract the latch bolt and a brake connected with one of said toggle levers to retard movement of the latch bolt.

2,249,645
ELECTRIC SWITCH
John Applegarth, Sr., Martins Ferry, Ohio, assignor of one-third to H. K. Sterling and one-third to H. A. Sterling, Martins Ferry, Ohio
Application June 14, 1940, Serial No. 340,593
1 Claim. (Cl. 200—85)

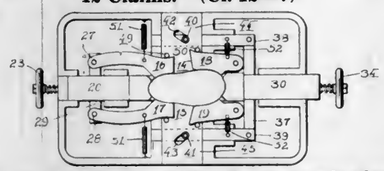


In an electric switch for controlling a bed alarm circuit, a base member having an opening therein, an insulating block secured to the underside of the base member having a boss filling said opening and having an opening therein coaxial with the first mentioned opening, a pair of spaced contact members secured to the insulating block on opposite sides of said openings, a stem extending through said openings and guided by the opening in said block, a contact head on the lower end of said stem adapted to close a circuit between the pair of contacts, a plate spaced above the base member, a securing head on the upper end of said stem and fixed to the under side of said plate, and a pair of coiled compression springs extending between the base member and plate and spaced on opposite sides of and equidistant from said stem.

2,249,646
BLEACHING CELLULOSE WITH TITANIUM COMPOUNDS
Alfred O. Bragg, Valley Stream, N. Y., assignor to Diamond Alkali Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application June 28, 1940, Serial No. 342,976
17 Claims. (Cl. 8—105)

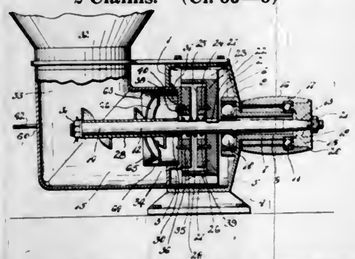
1. In a method of bleaching cellulose in an aqueous suspension containing an oxidizing bleaching agent capable of exerting a chlorinating action and in which bleaching is assisted by addition of a titanium compound in which the titanium has a valence less than four, the step comprising adding said titanium compound only after said chlorination action has been substantially completed.

2,249,647
LASTING MACHINE FOR PREWELT SHOES
Alfred W. Dunn, Rochester, N. Y., assignor of one-half to Frederick S. Elam, Rochester, N. Y.
Original application September 10, 1938, Serial No. 163,213. Divided and this application March 11, 1939, Serial No. 261,394
12 Claims. (Cl. 12—7)



1. In a lasting machine for pre-welt shoes, a normally fixed end wiper, a longitudinally movable opposed end wiper, opposed laterally movable side wipers between said end wipers, a pair of complementary wipers operatively mounted one on each side of said normally fixed end wiper, an additional pair of complementary wipers operatively mounted one on each side of said movable end wiper, driving means for moving said side wipers and movable end wiper inwardly, each side wiper being operatively connected with two of said complementary wipers so as to impart lateral closing movement thereto.

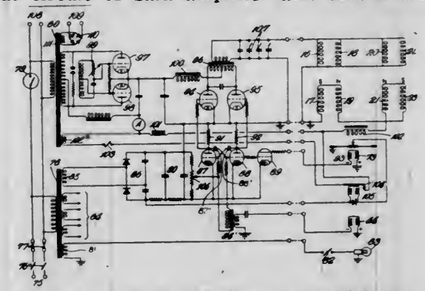
2,249,648
FEED CRUSHER
David D. Fehr, Haskett, Manitoba, Canada
Application March 1, 1940, Serial No. 321,781
2 Claims. (Cl. 83—8)



1. In a feed crusher utilizing a screw conveyor to feed material from a hopper to a pair of grinding discs at the end of said conveyor, a pair of hingedly mounted, spring closed trap doors between said hopper and said discs, said trap doors being positioned vertically upon either side of said conveyor, the free edges of said trap doors being semicircular to embrace said conveyor but being slightly spaced from the flight of said conveyor, said doors being yieldable during the feeding of material by said conveyor from said hopper to said discs.

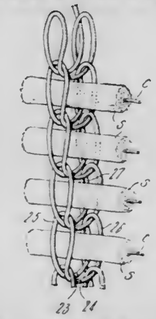
2,249,649
FATIGUE TESTING APPARATUS
Edward Armitage Fielding, Oldham, England
Application November 20, 1937, Serial No. 175,559
5 Claims. (Cl. 73—51)

1. In apparatus for testing the resistance to fatigue of a specimen by causing it to be maintained in vibration, the combination of a test unit, comprising nodal supports for the specimen, electro-magnets adapted to produce the vibration, a pick-up coil in which a current is induced by the vibration of said specimen; a generator of electrical oscillations, an amplifier for said oscillations, a connection between the output circuit of said amplifier and said electro-



magnets, a connection between said pick-up coil and the circuit of said generator; a power supply for said amplifier comprising a grid controlled gas filled rectifier, a circuit breaker, having a trip coil, connected with the input to said rectifier; a frequency responsive device connected with said generator, a relay controlled by said frequency responsive device said relay being connected with said circuit breaker.

2,249,650
ASBESTOS FABRIC
Boutwell H. Foster, Maplewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application July 27, 1940, Serial No. 347,872
11 Claims. (Cl. 66—193)

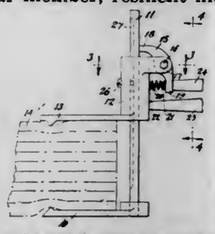


1. A knitted fire-repellant asbestos fabric which is much softer and more pliable than a woven asbestos fabric of the same weight per square yard, comprising a central layer of laid-in asbestos strands, and knitted loops of yarns interlocked about said strands and forming a soft knitted surface upon both faces of the fabric, said knitted loops being formed of asbestos yarns not heavier than a 20 cut/1 yarn and knitted with at least 12 wales to the inch upon each face of the fabric.

2,249,651
CLOTH CLAMP
Herman Walter Gilbert, Kew Gardens, N. Y., assignor to Cutting Room Appliances Corp., New York, N. Y., a corporation of New York
Application November 7, 1940, Serial No. 364,663
2 Claims. (Cl. 164—79)

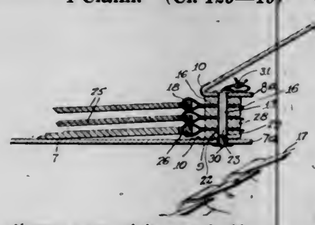
1. In a cloth clamp having a rod and a jaw

adapted to move along said rod, a thick tubular member slidably mounted on said rod, said jaw projecting from said tubular member, an inverted L-shaped finger pivotally mounted intermediate of its ends on one side of said tubular member and having its top end abutting said rod and its bottom side portion extending along the side of said tubular member, resilient means urging the



top portion of said finger against said rod, a handle projecting from said tubular member, and a handle disposed parallel to said handle and projecting from said finger, said tubular member being provided with a pair of spaced lugs, said side portion of the L-shaped finger passing between said lugs, and a pivotal bolt mounted on the lugs and through said side portion for comprising the pivotal mounting of said finger.

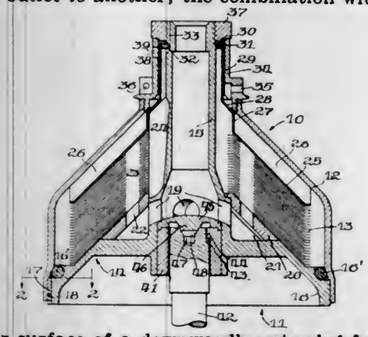
2,249,652
ALBUM
Don M. Harris, Alhambra, Calif.
Application February 13, 1940, Serial No. 318,675
1 Claim. (Cl. 129—19)



An album comprising a bottom cover, a top cover, each said cover having a binding portion at one side, the remainder of each said cover being movable relative to said binding portion from closed to open position, said binding portions having holes therein, leaves between said covers each having slots at a side portion thereof, a plurality of leaf holding members between said covers, each embodying a supporting portion lying between said binding portions, and having a hole therein, tabs extending from said flat supporting portion into said slots in said leaves and being turned back upon themselves and having free ends that extend to said supporting portion, one of said free ends having a hole therein, spacer members between said leaf holding members having holes therein, said holes in said binding portions, supporting portions spacer members and free end being so positioned that they are in alinement with each other, means extending through said holes and holding said covers, leaf holding members and spacer members in assembled relationship.

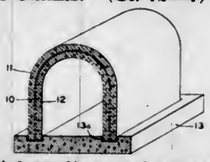
2,249,653
CREAM SEPARATOR BOWL
William H. Harstick, Milwaukee, Wis., assignor to International Harvester Company, a corporation of New Jersey
Application August 13, 1937, Serial No. 158,901
2 Claims. (Cl. 233—29)

2. In a separator structure comprising a bowl having a base and a stack of separator disks supported on the base, a central tubular portion extending upwardly from the base through the disks and having peripheral outlets directly opposite the lowest disk of the stack, the inner surface of the base within the tubular portion being disposed at a level to allow direct access through and across the tubular portion from one peripheral outlet to another; the combination with said



inner surface of a downwardly extended frustro-conical projection on the under side of the base, and a spindle extending within said recess for supporting and driving the bowl and having a frustro-conical recess engaging the projection, the engaging portions of the projection and recess being substantially tangent to an imaginary sphere having its center coincident with the center of gravity of the bowl.

2,249,654
BURIAL VAULT
Verne L. Harris, Shaker Heights, Ohio
Application May 16, 1938, Serial No. 208,101
8 Claims. (Cl. 72—7)

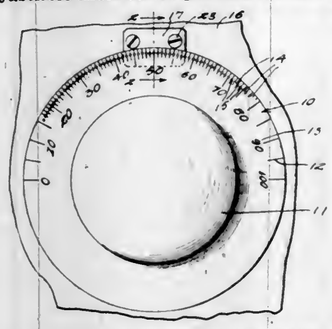


1. In a burial vault, a casket-receiving chamber of imperforate sheet metal having good corrosion resistant properties, said chamber being closed at the top and sides and open at the bottom, a base adapted to close said bottom, a non-metallic protective covering for said metal chamber, said protective covering being adapted for molding in a form, and metal projections rigidly secured to said imperforate sheet metal and embedded in said covering, said projections being coextensive with the thickness of said protective covering, whereby said projections will properly position said sheet metal in a form for molding said protective covering and said projections and said sheet metal reinforce the protective covering molded over them.

2,249,655
VERNIER DEVICE
Ross Ney Hayes, Abilene, Tex.
Application June 2, 1939, Serial No. 277,099
3 Claims. (Cl. 116—130)

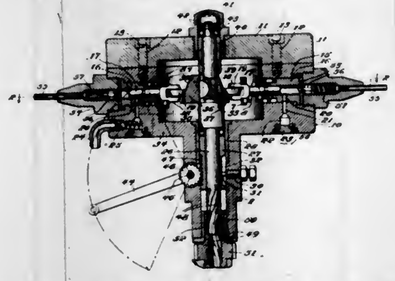
1. A vernier means comprising an adjustable opaque member provided on its outer face with spaced marginal graduations, said member being formed therein with spaced light emitting

passages each correlated with one of said graduations, a transparent means in each of said passages, a stationary opaque member having at least one light emitting passage, the said adjustable member overlapping and positioned in front of the stationary member, means for adjusting the adjustable member to provide for the selected



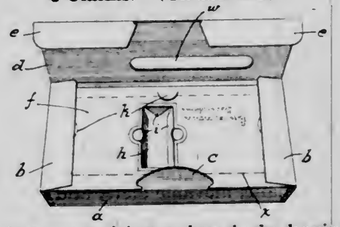
registry of the axial centers of its light emitting passages with the axial center of the passage of the stationary member, transparent means in the passage of said stationary member, and means for reflecting light rays in a direction for illuminating the transparent means of the axially aligned light emitting passages.

2,249,656
FUEL INJECTION PUMP FOR DIESEL ENGINES
Fred Huband, Detroit, Mich.
Application April 18, 1939, Serial No. 268,623
1 Claim. (Cl. 74—568)



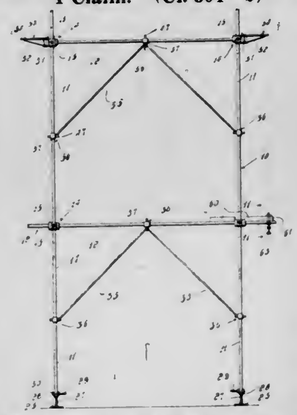
In a device of the class described, a cam structure and adjustment comprising a tubular bearing, a bushing in the bearing, a sleeve slidably fitted in the bushing, a stop screw threaded into the side of the bearing and provided with a lug at the inner end, there being a slot formed longitudinally in one side of the sleeve the ends of which engage the lug to limit sliding movement of the sleeve in either direction, a rotary shaft disposed axially in the sleeve, the shaft having a uniformly enlarged shoulder disposed in the bushing, a thrust bearing interposed between the sleeve and the shoulder, a tapered cam keyed to the shaft beyond the shoulder having a wide base portion contiguous to the shoulder and seated on the shoulder, rack teeth formed longitudinally on the sleeve opposite the slot, a shaft mounted transversely in the tubular bearing, a gear keyed to the last named shaft and projecting through openings in the bearing and in the sleeve to mesh with the rack teeth, and an adjusting lever fixed to the last named shaft for rotating the gear to move the sleeve, the thrust bearing, the shoulder, the rotary shaft and the cam endwise relative to the tubular bearings.

2,249,657
BOX FOR MAILING A PLURALITY OF CLASSES OF MERCHANDISE
Malcolm P. Junkin, Lansdowne, Pa., assignor to Louis Wolf, Elkins Park, Elias Wolf, Dresher, Howard A. Wolf, Jenkintown, and Walter L. Wolf, Rydal, Pa., copartners, trading and doing business as National Metal Edge Box Company
Application September 26, 1939, Serial No. 296,541
3 Claims. (Cl. 229—15)



1. A box comprising a box body having end flanges and a central tab hinged to the center of one side edge, a lid hinged to the box body and having along its free edge end tabs adapted to interlock with said tab and hold the lid closed, an inside cover having flanges of less depth than the box body, so as to leave between the inside cover and the outside lid a shallow space for the reception of first class mailing matter, the cover having a small opening and tabs, hinged to the edges thereof, adapted to be bent down to form a container to receive and hold a separate small article insertable through said opening.

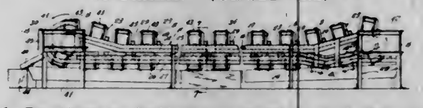
2,249,658
SCAFFOLD
Theodore B. Kemner, Quincy, Ill.
Application June 7, 1940, Serial No. 339,365
1 Claim. (Cl. 304—2)



A scaffold comprising vertical and horizontal tubular frame members, cruciform connectors for the frame members, each connector comprising a cruciform block having a central opening, tubular extensions projecting axially of said block, said cruciform block having axially extending slots formed in the wings thereof for receiving the horizontal scaffold pipe members, pins ex-

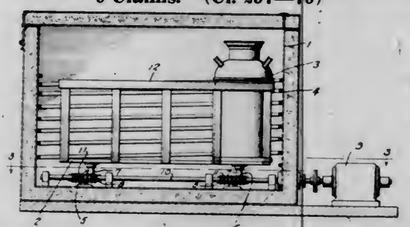
tending through the pipe having one end permanently secured in the floor of the above mentioned slots and a locking key for securing the pipe against displacement having a projection on one end extending through a keyhold slot in one wall of the cruciform wing.

2,249,659
BATTERY CONVEYING AND DUMPING APPARATUS
Fred R. Kerns and Arthur O. Codney, Cleveland Heights, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application January 25, 1940, Serial No. 315,566
13 Claims. (Cl. 214—1.1)



1. In storage battery conveying and dumping apparatus, an elongated support having a pair of longitudinally extending laterally spaced rails, conveyor chains movable along and supported by said rails, a battery carrier comprising a container adapted to receive a battery therein and to retain the battery therein when the container is inverted, means adjacent one edge of the container for pivotally connecting the same with the chains for propulsion thereby and permitting relative separation between the chains and opposite edge of the container, means including a second pair of laterally spaced rails cooperating with said opposite edge of the container for supporting and guiding the same, and sprockets on said support around which said container is propelled by said chains for inverting the battery.

2,249,660
MILK COOLER
Cornelius Peeples Lee, Atlanta, Ga., assignor to Larkin Coils, Inc., Atlanta, Ga., a corporation of Georgia
Application March 25, 1940, Serial No. 325,863
9 Claims. (Cl. 257—75)



8. A cooler for milk and the like comprising, an insulated chamber, a platform to support cans of milk within the chamber, a plurality of pedestals supporting the platform in a horizontal plane, each pedestal rotatable on a vertical axis and being disposed eccentric to its axis, cooling coils disposed within the chamber around the platform, and driving mechanism to rotate the several pedestals in unison.

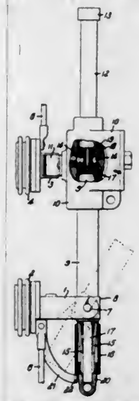
2,249,661
HOLDING ATTACHMENT FOR PLIERS
Stanley E. Littlefield, Rockport, Mass.
Application March 28, 1940, Serial No. 326,481
4 Claims. (Cl. 81—49)

1. In combination with a pair of pliers, including a pair of plier members each comprising a jaw and a handle portion, said plier members being pivotally connected intermediate of their ends, the outer edge of one of said plier members having an arcuately shaped portion concentric with said pivot and provided with a series of notches, the handle portion of the other plier member being provided with an opening, an arm



having a shank projecting laterally therefrom for slidably and swivelly engaging said opening, spring means for yieldably retaining the shank in the opening for yieldably mounting the arm relatively to said handle portion, and said arm having a tapered end for selectively engaging said notches for setting the plier members relatively to each other.

2,249,662
INTERLOCKING CIRCUIT BREAKER
George A. Matthews, Detroit, Mich., assignor to The Detroit Edison Company, Detroit, Mich., a corporation of New York
Original application November 5, 1934, Serial No. 751,511, now Patent No. 2,167,665, dated August 1, 1939. Divided and this application May 18, 1939, Serial No. 274,462
8 Claims. (Cl. 200—50)

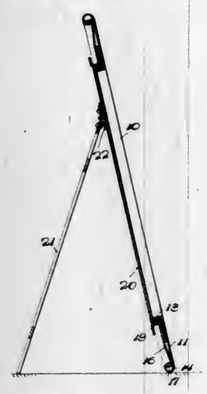


1. A multiple break circuit breaker comprising a switch of the type including a blade telescoped within a tubular member to close the switch, a circuit member having a pair of spaced contacts, pivot pins carried by one of said contacts, spaced terminal members for engagement by said contacts, one of said terminal members being a hinge terminal upon which said circuit member is removably and pivotally supported by said pivot pins, and means at the end of said tubular member and cooperating with said blade when the latter is telescoped within the tubular member to prevent the separation of said circuit member contacts from said terminal members.

2,249,663
PICTURE FRAME
Charles E. Minnick, Union Bridge, Md.
Application October 26, 1939, Serial No. 301,499
6 Claims. (Cl. 40—154)

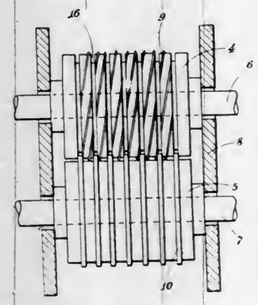
5. A picture frame including channel shaped

side and end rails connected to form a display opening, certain of said rails being provided at their inner margins with means forming yieldable flanges and at their outer margins with stop means, and channel shaped clamping strips engaged within said certain channel shaped rails



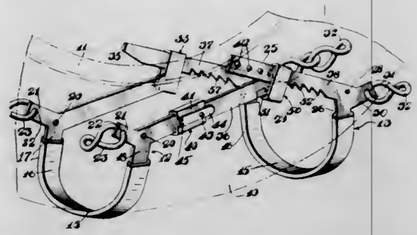
to coact with said stop means and provided at their inner margins with means forming yieldable flanges limited by said stop means to cooperate with the former flanges and wedge interposed margins of a sheet between the yieldable flanges of the rails and the clamping strips.

2,249,664
PRODUCTION OF STAPLE FIBER
Eric Andrew Morton, Coventry, Harold Ashton, Slattocks, Rochdale, and William Hardacre, Bradley, near Keighley, England, assignors to Courtaulds Limited, London, England, a British company
Application December 11, 1940, Serial No. 369,656
In Great Britain January 3, 1940
1 Claim. (Cl. 164—60)



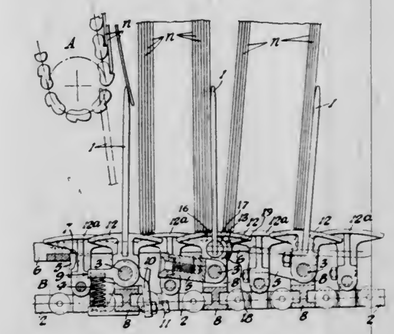
Apparatus for the production of an even, coherent and draftable sliver of cut filaments of equal length which comprises two hardened, nonresilient rigidly mounted rollers one of which has a smooth surface and the other a number of helical V-shaped cutting ridges arranged at an angle of between 5° and 15° to a plane perpendicular to the axis of the roller, the two rollers being so disposed that the said ridges touch the surface of the other roller in the nip and circumferential ridges on one roller fitting into corresponding circumferential slots on the other roller and means for guiding each tow within the limited space in the nip between adjacent circumferential ridges.

2,249,665
REMOVABLE TIRE CHAIN
George W. Oakes, Crystal City, Mo.
Application March 12, 1941, Serial No. 383,015
5 Claims. (Cl. 152—213)



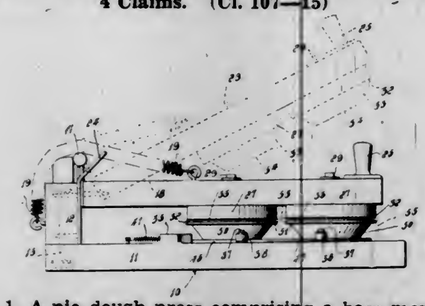
1. A tire chain connector comprising a pair of U-shaped members adapted to engage around a tire, lugs projecting from the upper ends of the legs of the U-shaped members and inclined to a plane passing through the adjacent edges of the legs, said lugs having means for connecting the ends of the chain thereto, rods projecting from the opposite edges of each of the legs, the arms on one U-shaped member extending towards the arms projecting from the legs of the other U-shaped member and cooperating means on the arms for connecting the arms together.

2,249,666
DELIVERING MECHANISM FOR NEWSPAPERS OR THE LIKE
Harold Herbert Rapley, Bedford, and George Henry Rawlins, Kempston, England
Application November 17, 1939, Serial No. 304,899
In Great Britain October 31, 1938
18 Claims. (Cl. 198—134)



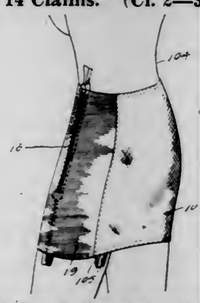
1. Delivery mechanism for articles such as newspapers, comprising means for feeding a stream of the articles, in imbricated relation, a delivery conveyor moving transversely to the direction of movement of said articles, a plurality of upstanding dividers carried thereby and spaced in relation to each other for receiving a predetermined number of such articles and adapted successively to engage the stream and divide the articles into batches to be carried away, between said dividers, on said delivery conveyor, and means whereby certain of said partitions or dividers can be adjusted to and from an operative and a non-operative position, whereby the space between succeeding dividers may be predetermined and the number or thickness of articles in said batches may be varied.

2,249,667
PIE DOUGH PRESS
Alice Richardson, Phoenix, Ariz.
Application February 29, 1940, Serial No. 321,576
4 Claims. (Cl. 107—15)



1. A pie dough press comprising a base member for receiving a multiple pie tin, means on said base member for limiting the lengthwise movement of the pie tin in one direction relatively to the base member and for moving it laterally thereof in one direction for directing the multiple pie tin to a certain position relatively thereto, a cover member hingedly connected to the base member, and forms depending from said cover member for engaging portions of a sheet of dough disposed over said multiple pie tin for pressing said portions into the individual tins to form a bottom layer of dough.

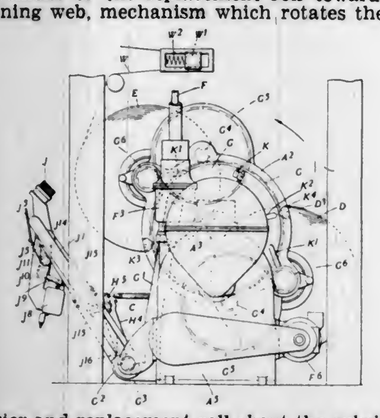
2,249,668
FOUNDATION GARMENT OR THE LIKE
Philip H. Robbins, New York, N. Y., assignor to Poirette Corsets, Inc., New York, N. Y.
Application April 16, 1940, Serial No. 329,948
14 Claims. (Cl. 2—37)



1. In a garment for women's wear a body structure of girdle-like form including a pair of sides each formed of a fashioned elastic outer section, a fashioned elastic inner section and an elastic carrier means disposed inwardly of said inner section and connected at its sides and top with said sections, said carrier means being of less length than said sections, and spaced elastic resistance means disposed on one face of said elastic carrier means.

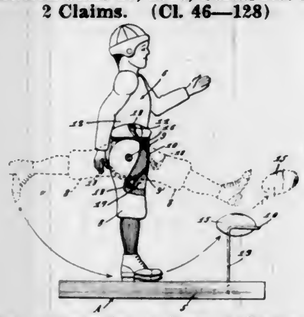
2,249,669
WEB-JOINING MECHANISM
Alexander Thornton Robertson, Newcastle-on-Tyne, England, assignor to J. H. Holmes & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application May 1, 1939, Serial No. 271,223
In Great Britain May 4, 1938
16 Claims. (Cl. 242—58)

16. In web-feeding and joining mechanism for printing presses and the like, in combination, means whereby the running web is supplied from a supply roll to the press, a roll support rotatable about a main axis, a replacement roll carrier rotatable about a subsidiary axis on the roll support, mechanism which turns the support about the main axis thereby causing translational movement of the replacement roll towards the running web, mechanism which rotates the said



carrier and replacement roll about the subsidiary axis, a device which backs the running web in a definite predetermined position in the path of translational movement of the replacement roll, and mechanism, operated by the rotational movement of the support about the main axis, which operates the backing device in timed relation with the translational movement of the replacement roll.

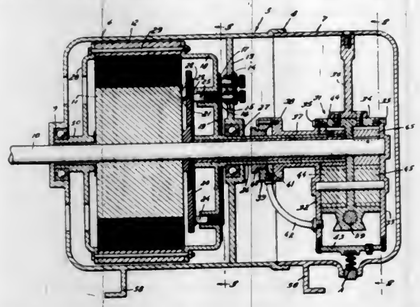
2,249,670
TOY
Bertha May Sidle, Des Moines, Iowa
Application June 10, 1940, Serial No. 339,775
2 Claims. (Cl. 46—128)



1. A toy, comprising a base, a figure mounted on the base, a pivoted leg mounted on the figure and having a rounded upper end forming the greater portion of a circle and arranged concentric to the pivot of the leg, and an elastic band fastened to the body directly above the pivot and the opposite end thereof secured to the rounded portion directly below the pivot, whereby the leg may travel approximately 180 degrees.

2,249,671
ELECTRIC MOTOR
Carl Skowron, Salem, Ohio
Application December 20, 1940, Serial No. 371,025
2 Claims. (Cl. 172—36)

1. In an electric motor, rotary armature and field units, and means for regulating a slippage between the units, said means consisting of a pair of fluid pump units each consisting of a



fluid inlet and a fluid outlet and a common valve element operative into the fluid outlets for uniformly and differentially controlling the outlet of fluid from the gear units.

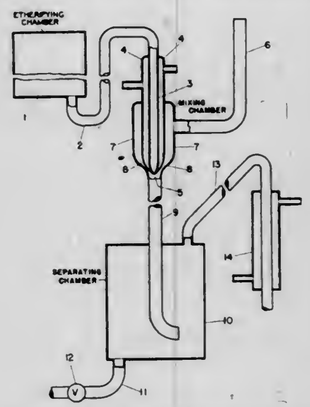
2,249,672
DISCHARGE DEVICE
Hans J. Spanner, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application March 15, 1937, Serial No. 130,872
In Germany December 10, 1936
1 Claim. (Cl. 176—126)



The method of activating a refractory electrode for use as an arc heated cathode in a radiant electrical discharge device which comprises the steps of placing in contact with the surface of the refractory cathode an activating material including an oxide of an activating metal, placing the electrode and activating material in an envelope adapted to exclude air therefrom, heating the electrode and activating material to a temperature of at least about 1200° C., removing impurities, including any oxygen, released up to such temperature, then subjecting said electrode to an intense impact of a discharge until the activating material is converted so as to exhibit a dull metallic appearance at the surface, and, during the progress of and after this final conversion step, exhausting the envelope to remove any remaining impurities and oxygen, and also evaporating vaporizable metal in the envelope during the heating and exhausting treatment.

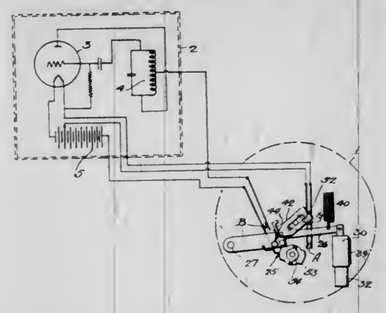
2,249,673
CELLULOSE ETHER RECOVERY
Harold M. Spurlin, Wilmington, Del., assignor, by mesne assignments, of one-half to Hercules Powder Company, Wilmington, Del., a corporation of Delaware, and one-half to Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 28, 1937, Serial No. 166,197
31 Claims. (Cl. 260—232)

1. In a method of separating a lower alkyl ether of cellulose from the product obtained by reacting alkali cellulose with an etherifying agent at elevated temperatures, the step which consists in discharging the cellulose ether-containing reaction product from the etherifying chamber into water maintained at a temperature above



about 100° C. under superatmospheric pressures to precipitate the cellulose ether.

2,249,674
CIRCUIT CONTROLLING AND IMPULSE SENDING DEVICE
Elmer O. Thompson, Grasmere, N. Y., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Original application July 20, 1938, Serial No. 220,367. Divided and this application March 28, 1941, Serial No. 385,751
8 Claims. (Cl. 177—380)



1. In a device for controllably generating electrical signal energy, means for generating signal energy, said generating means requiring preconditioning for a short interval prior to signal generation, an impulse sender for controlling said generating means, normally disengaged contacts on said impulse sender for controlling the operation of said generating means, means including an energy storing element for operating said contacts when energy is stored in said element, normally disengaged contacts on said impulse sender for preconditioning said generating means, manual means on said impulse sender for storing energy in said element and for closing said last-mentioned contacts, and means for delaying operation of said first-mentioned contacts by said energy storing element for a predetermined interval following the closing of said last-mentioned contacts, to permit proper conditioning of said generating means for operation.

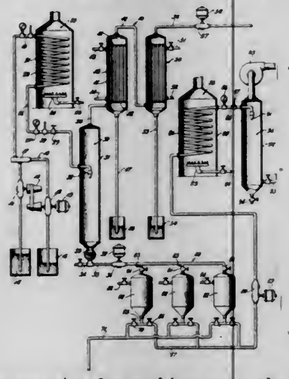
2,249,675

APPARATUS FOR MAKING SOAP AND REMOVING GLYCERIN THEREFROM

Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Original application May 21, 1935, Serial No. 22,555. Divided and this application December 29, 1938, Serial No. 248,354

1 Claim. (Cl. 252—371)



In an apparatus for making soap, the combination of: a receptacle for receiving a mixture of soap and glycerin and means for maintaining heat sufficient to vaporize said glycerin and to produce an anhydrous molten soap; means for withdrawing a stream of said soap from said receptacle; a plurality of purifying devices; means selectively delivering the soap from said separating means to said purifying devices to form a plurality of batches; means for adding a purifying agent to said purifying devices to purify said batches; heating means; means selectively withdrawing soap from said purifying devices and delivering this purified soap as a continuous stream to said heating means; and finishing means receiving the heated soap from said heating means for controlling the moisture content of said soap.

2,249,676

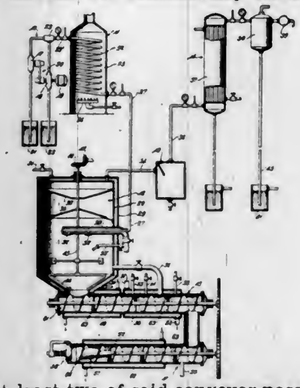
APPARATUS FOR MAKING SOAP

Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Original application January 29, 1936, Serial No. 61,410, now Patent No. 2,142,983, dated January 3, 1939. Divided and this application December 29, 1938, Serial No. 248,358

2 Claims. (Cl. 252—371)

1. In an apparatus for continuously making soap from a saponifiable material by reaction therewith of an aqueous solution of saponifying material, the combination of: a heating means providing an elongated reaction zone closed from the atmosphere; means delivering to said reaction zone proportioned quantities of said saponifiable material and aqueous solution of said saponifying material whereby saponification takes place in said reaction zone to form reaction products including soap; a separating means including a vapor separating chamber receiving said reaction products; means for heating said separating chamber; means for continuously removing vapor from said separating chamber at such a rate as to maintain a vacuum therein; means for continuously withdrawing a stream of soap from said separating chamber without impairing said vacuum, said means including a screw conveyor system with a plurality of conveyor passages and screws therein for continuously advancing said



soap, at least two of said conveyor passages being angularly disposed relative to each other to intersect at an angle; and means for cooling said soap in said conveyor system.

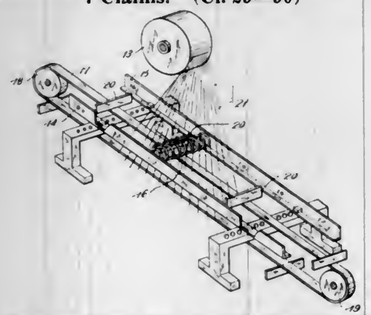
2,249,677

APPARATUS FOR TREATING COIL SPRINGS

William H. Wallace, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application July 11, 1940, Serial No. 345,019

7 Claims. (Cl. 29—90)



1. In apparatus for shot-blasting the interior and exterior surfaces of coil springs, the combination of a track on which the springs are adapted to be rolled, the axes of the springs being at right angles to the direction of movement along said track, and means for discharging a stream of relatively fine shot at high velocity into the path of the springs as they roll along said track, said stream having a width axially of the springs of not less than the length of the springs and being fan-shaped longitudinally of said track so as to cover a space along said track having a length not less than the distance traveled by the springs in making one revolution.

2,249,678

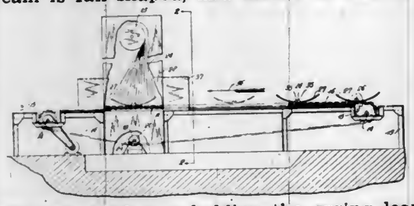
APPARATUS FOR SHOT-BLASTING LEAF SPRINGS

William H. Wallace, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application August 28, 1940, Serial No. 354,578

4 Claims. (Cl. 29—90)

1. In apparatus for shot-blasting cambered spring leaves, the combination of means for discharging shot in a fan-shaped stream, conveying means for moving the spring leaves endwise through said stream in the plane in which the stream is fan-shaped, and means on said con-



veying means for so holding the spring leaves that they are permitted to rock as they pass through the shot stream whereby the different portions of the leaf surface to be shot-blasted will be substantially uniformly acted upon by the shot stream.

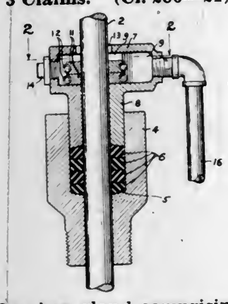
2,249,679

STUFFING BOX GLAND

Henry J. Basham, Wichita Falls, Tex.

Application December 18, 1939, Serial No. 309,903

3 Claims. (Cl. 286—21)



1. A stuffing box gland comprising a structure having a chamber therein adapted to receive a reciprocating rod therethrough, and means in the chamber for applying a wiping action to the periphery of the rod, said wiping means being of substantially less total thickness than the depth of the chamber providing a substantial degree of freedom of movement of the wiping means with the rod axially of the chamber sufficient to produce agitation in the chamber.

2,249,680

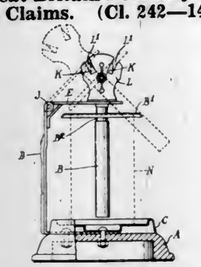
HOLDER FOR REELS OF TAPE OR TWINE

Bradford Burton Bishop, Nottingham, England

Application February 6, 1939, Serial No. 254,966

In Great Britain February 10, 1938

5 Claims. (Cl. 242—142)



3. A holder for a reel of tape or twine or a cop of the latter, comprising a base member, an approximately vertical axle, a frame member extending from one side of said base member to a point substantially level with the upper end of said axle, a member hinged to the free end of said frame member for carrying said axle in a position so that it extends centrally toward said base member with its lower end disposed a short distance above said base member whereby the tape or twine may be pulled off under the axle and the reel or cop disposed thereon, and a disc carried by said axle below said hinged member and adapted to bear against the upper end of a cop for preventing coils from being pulled therefrom around the said axle.

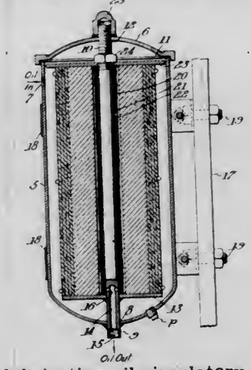
2,249,681

POROUS BLOCK FILTER IN LUBRICATING SYSTEM OF INTERNAL COMBUSTION ENGINES

Southwick W. Briggs and Chester G. Gilbert, Washington, D. C.; said Gilbert assignor to Briggs Clarifier Company, Washington, D. C., a corporation of Delaware

Application April 1, 1936, Serial No. 72,172

4 Claims. (Cl. 210—112)



1. In a lubricating oil circulatory system of an internal combustion engine including a filter and means for forcing lubricating oil into the filter and for returning filtered oil to the engine parts, a replaceable porous filter block of molded mineral adsorbent consisting essentially of a unitary mass of activated mineral adsorbent particles bonded together by means of a porous solid binding matrix produced in situ, in which latter pores largely communicate with pores of the mineral adsorbent particles, the mass containing at least one part by weight of the binding matrix to each 4 parts by weight of the mineral adsorbent.

2,249,682

CONTROL SYSTEM

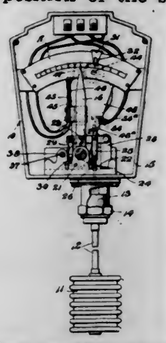
James K. Clark, Utica, N. Y., assignor to The Partlow Corporation, New Hartford, N. Y.

Application April 29, 1940, Serial No. 332,339

7 Claims. (Cl. 236—46)

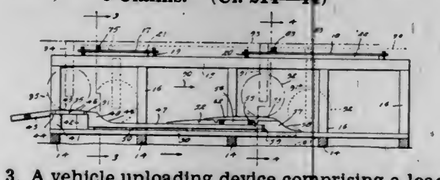
1. In an electric control system, a graduated scale on which conditions of the system may be indicated, a settable member cooperating with the scale and movable with respect thereto to any predetermined stationary position along the scale, an indicator cooperating with the scale to indicate the condition in the system, means for moving the indicator along the scale in accordance with the conditions of the system, a circuit for controlling the conditions in the system including a switch carried by the indicator nor-

mally closed while the indicator is cooperating with the low side of the scale with respect to the predetermined condition of the system determined by the position of the settable member,



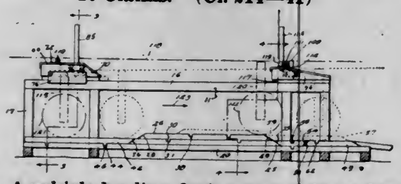
a switch opening member associated with the settable member, and means for actuating said switch opening member so as to periodically open said switch when the indicator is adjacent to the settable member.

2,249,683
TRUCK TRAILER UNLOADING DEVICE
Coy I. Crow, Zwolle, La.
Application July 23, 1940, Serial No. 347,059
8 Claims. (Cl. 214—44)



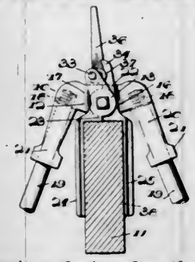
3. A vehicle unloading device comprising a load supporting device comprising a load supporting frame including a pair of vertical side frame members, each side member comprising a horizontal upper rail and upright rail supporting posts, transverse base members secured to said posts, and a pair of tracks between said side frame members each track being formed of a pair of rear vertically offset track sections, and a pair of removable track sections forwardly of said rear sections and means correlating with said track sections engageable with the load and with said upper rails to remove the load upon movement of the vehicle between said side frame members.

2,249,684
TRUCK TRAILER LOADING DEVICE
Coy I. Crow, Zwolle, La.
Application July 23, 1940, Serial No. 347,060
10 Claims. (Cl. 214—41)



3. A vehicle loading device comprising a frame, pairs of spaced apart combined load supporting and load delivering members carried by said frame, said members having flat horizontal upper faces merging into downwardly and forwardly inclined forward portions, means engageable with said members supporting the load from said members, said means being movable relative to said members during the delivery of the load to the vehicle, and a track in said frame over which the vehicle wheels are adapted to move, said track including means intermediate the ends of the frame for elevating a portion of the vehicle to substantially load contacting relation whereby further movement of the vehicle relative to the frame will effect movement of the load relative to said supporting members to thereby lower the load onto the vehicle.

2,249,685
HIGHWAY BARRICADE SUPPORT
Stephen L. Dearing, Palmyra, Mo.
Application July 10, 1939, Serial No. 283,698
6 Claims. (Cl. 256—64)



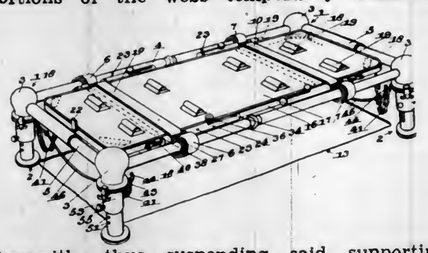
1. A clamping device for the uses described consisting of opposed fingers pivoted at their bases and adapted to coengage against opposite sides of a board or the like interposed, the pivot of the fingers including integral knuckle parts positioned side by side and each having a part extended beyond the pivot opposite the fingers, the knuckle parts being recessed in their lateral abutting faces to form a chamber, a spring set in said chamber having oppositely acting arms bearing against sides of respective recesses tending to move the parts in opposite directions for release action of the fingers, said extensions having a revoluble cam device interposed therebetween and having an operating handle exposed for manipulation, and being constructed and operative to move the fingers in opposition to the spring for clamping action.

2,249,686
POLYMERIC MATERIAL
Harry B. Dykstra, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 29, 1938. Serial No. 232,465
4 Claims. (Cl. 260—3)

2. A composition of matter comprising a synthetic linear polymeric amide and from 1% to equal parts by weight of said polymeric amide of a rubbery material selected from the class consisting of rubber, gutta percha, balata, polymerized isobutylene, polymeric butadiene and polymerized chloroprene.

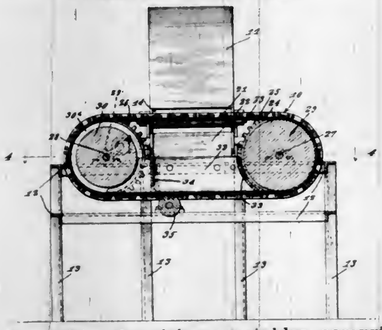
2,249,687
CASKET LOWERING DEVICE
Earl E. Eshleman, Covington, Ohio
Application January 26, 1939, Serial No. 252,996
9 Claims. (Cl. 27—32)

1. In casket lowering apparatus, casket supporting means on which a casket is rested during lowering by means of lowering webs, and spring retractible latch means attached to the sides of said supporting means, said latch means having portions of the webs temporarily connected



therewith, thus suspending said supporting means under the webs and immediately adjacent thereto leaving the entire sub-casket portions of said webs unobstructed for direct contact by the casket bottom.

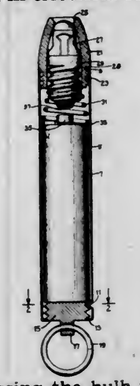
2,249,688
VEGETABLE RICING MACHINE
Orville Gano, Burley, Idaho
Application March 11, 1940, Serial No. 323,466
2 Claims. (Cl. 146—174)



1. A machine for ricing vegetables, comprising a frame, a pair of spaced parallel rotating rollers, one of said rollers having a peripheral groove adjacent each end, means for rotating the rollers, an endless screen passing around said rollers, means for discharging vegetables on the upper face of the lower flight of the endless conveyor between the rollers, side guard plates between the rollers adjacent the edges of the endless screen and having their ends entering the grooves in the roller, a leveler plate extending transversely between the guard plate adjacent the roller having the grooves and spaced above the screen, and a curved partition extending transversely between the guard plates adjacent the other roller.

2,249,689
FLASHLIGHT
Albert Gelardin, New York, N. Y.
Application July 5, 1935, Serial No. 29,841
5 Claims. (Cl. 240—10.68)

2. In a flashlight having a battery, a translucid light discharging head formed to produce a direct beam surrounded at its source by a corona of diffused light, said head comprising a light transmitting tapered globe that diffuses light from a source within the globe in all directions except axially of substantially uniform intensity, said globe having a restricted tapered throat narrowing to a diameter less than that of a bulb, a bulb, and conductive spring means engaging the base of the lamp and in electrical connection with the



battery for pressing the bulb into the narrowed portion of the throat which provides annular contact and support for the bulb.

2,249,690
FLASHLIGHT
Albert Gelardin, New York, N. Y.
Application March 26, 1937, Serial No. 133,104
4 Claims. (Cl. 240—10.68)

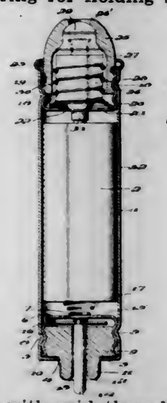


2. A flashlight comprising a housing including a globe-like head carried by one end thereof, said head having an annular seat within the head, a battery carried by said housing, an annular, apertured adaptor in said housing at the head end thereof, and engaging said annular seat, the adaptor being transversely disposed in said housing, a lamp positioned in said head, a portion of said lamp passing through said aperture in said adaptor for support thereby, a spring positioned in said casing between said battery and the head and normally serving to urge said battery away from said head, said spring also pressing the outer edge of said adaptor into seating engagement with said annular seat in said head for positioning the adaptor and lamp in said head.

2,249,691
FLASHLIGHT
Albert Gelardin, New York, N. Y.
Application June 14, 1938, Serial No. 213,661
5 Claims. (Cl. 240—10.66)

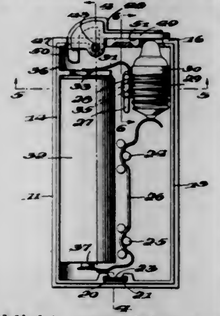
5. A switch for a flashlight, comprising in

combination with the flashlight casing, a threaded member in engagement with the casing, an annular plug threadably engaged with said member, a push button contained within said annular plug, a spring for holding said push button



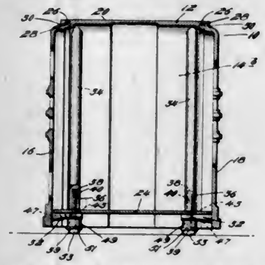
out of contact with said threaded member, said plug being operable, upon rotation, to move the push button into electrical contact with said threaded member, said annular plug being serrated at one end to facilitate manipulation thereof by the user.

2,249,692
POCKET FLASHLIGHT
Albert Gelardin, New York, N. Y.
Application March 18, 1939, Serial No. 262,718
4 Claims. (Cl. 240—10.65)



1. A flashlight comprising a separable, bipartite, molded casing formed of insulating material, securing means for the separate parts being molded on the parts and adapted to lock the parts together in operative position, apertures formed in one end of said casing, a lamp secured inside the casing adjacent one aperture and a circuit operating member formed of material similar to said casing arranged adjacent another of the apertures and having a portion projecting therethrough, molded trunnions and bearings provided on said operating member and on said casing adjacent said second aperture and pivotally supporting said member in said second aperture, circuit connectors in said casing, a battery, supporting means for said circuit connectors and battery molded to said casing, one of said connectors being mounted to connect a pair of terminals of said battery and lamp, and a second connector comprising a combined lamp base support and connector adapted to connect the other terminals of said lamp and battery, said operating member, when manipulated, serving to force one of said connectors into circuit closing position to light said lamp, the other connector being in constant circuit connection, said circuit operating member being also formed with a projection extending therefrom defining a finger engaging means on said member, said projection extending along the outer side of one end of the casing and covering the first aperture to protect the lamp therein when said operating member is in circuit disengaging position.

2,249,693
CABINET ASSEMBLY
Knut E. Birger Stenberg, Attleboro, Mass., assignor to Associated Attleboro Manufacturers, Inc., Attleboro, Mass., a corporation of Massachusetts
Application December 2, 1937, Serial No. 177,724
5 Claims. (Cl. 312—7)



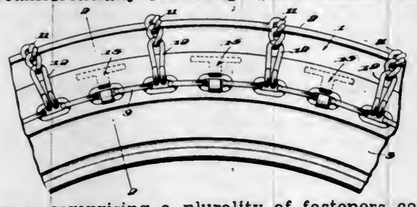
5. A cabinet assembly comprising a chassis base, molded composition top and end panels and removable front and rear panels, the front and rear edges of said end panels and the end edges of said front and rear panels having cooperating interlocking tongue and groove means, said end panels having clamping means projecting inwardly thereof adjacent the lower ends thereof immediately overlying said chassis base, and said front and rear panels having clamping means projecting inwardly thereof adjacent the lower ends thereof immediately underlying said chassis base, and means to secure all of said inwardly projecting clamping means to said chassis base to clamp said chassis base between said overlying and underlying inwardly projecting clamping means to assemble said panels on said chassis base.

2,249,694
MATERIAL FOR TAKING IMPRESSIONS FOR DENTAL OR OTHER PURPOSES
Sidney William Wilding, London, England, assignor to The Amalgamated Dental Co., Limited, London, England
No Drawing. Application September 18, 1939, Serial No. 295,538. In Great Britain September 26, 1938
16 Claims. (Cl. 18—47)

1. Method of forming a material for taking impressions which comprises mixing calcium sulphate with an aqueous solution of an alginate to form a stiff elastic gel.

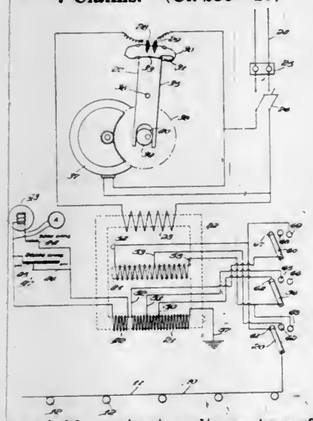
2,249,695
TIRE PROTECTOR
Thomas Raymond Elliott, Wilmington, Del.; Mary Elizabeth Dyer administratrix of said Thomas R. Elliott, deceased
Application June 21, 1940, Serial No. 341,752
6 Claims. (Cl. 152—239)

3. A tire protector comprising a strip of material interposed between the tire casing and an anti-skid chain mounted on said casing to protect said casing from contact with said anti-skid chain, said anti-skid chain including a plurality of spaced cross chains connected to a pair of circumferentially-extending side chains and means for attaching said strip to one of said circumferentially-extending side chains, said



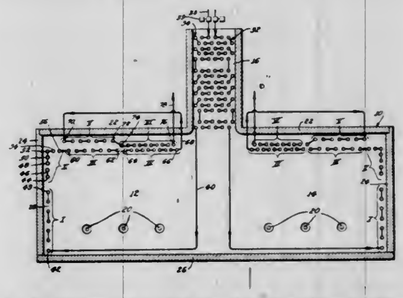
means comprising a plurality of fasteners connected to the strip and each including a body portion disposed transversely of the strip, lateral portions extending from the body portion and longitudinally of the strip, and a hook-like portion at the end of the body portion which engages the said circumferentially-extending side chain.

2,249,696
ELECTRIC FENCE
Carl Pfanstiehl, Highland Park, Ill., assignor to Babson Bros. Co., a corporation of Illinois
Application November 4, 1938, Serial No. 238,914
7 Claims. (Cl. 256—10)



1. A variable output voltage transformer of the character described adapted to limit the maximum current deliverable thereby to a fixed value at different voltages, including: a core providing a principal magnetic circuit and a shunt path, the shunt path being provided by a portion of the core having an air gap therein and of such cross-section as to be unsaturated at all operative conditions; a primary winding on one portion of the core; a tapped secondary winding on another portion of the core; a shunt winding on the shunt portion of the core; and means for connecting at least a portion of the shunt winding in series with at least a portion of the secondary, the connecting means being so arranged that the flux density in the shunt portion of the core is high when a small number of secondary turns are in the output circuit and low when a large number of turns are in circuit, whereby the current delivered by the transformer on short circuit is maintained constant despite variations in the open circuit voltage thereof.

2,249,697
HEATING HYDROCARBON FLUID
John Herman Rickerman, River Edge, N. J., assignor to Gasoline Products Company, Inc., Jersey City, N. J., a corporation of Delaware
Application October 14, 1939, Serial No. 299,536
3 Claims. (Cl. 196—116)

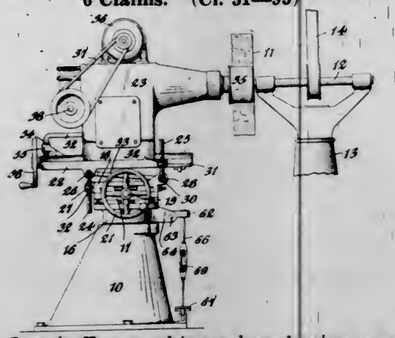


1. A heating apparatus for heating hydrocarbon fluids to conversion temperature including a radiant heating section, means for supplying radiant heat thereto, groups of heater tubes arranged adjacent boundary surfaces of said radiant heating section, certain of said heater tubes being arranged in a double row comprising an exposed row and a shielded row, means for passing hydrocarbon fluid to be heated through said groups of heater tubes in succession, the first groups of tubes being arranged in a single row, the tubes in each of said first groups being substantially equidistantly spaced and the tubes in said first group being spaced apart at greater distances than the tubes in another group, the remaining groups of tubes forming the double row of tubes, certain groups forming the exposed row and certain other groups forming the shielded row, the tubes in each of the groups of said double row being substantially equidistantly spaced and the tubes in certain groups being spaced at greater distances apart than the tubes in other groups of tubes, to control the rate of heating of the hydrocarbon-fluid passing through said tubes, the last group of tubes in said shielded row being spaced further from the boundary surface than the adjacent group of tubes in said shielded row, the last group of tubes in said shielded row forming a soaking section, the rate of heating the hydrocarbon fluid passing through said tubes in the groups decreasing from the first to the last group.

2,249,698
ROOFING AND THE LIKE
Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application March 28, 1941, Serial No. 385,681
3 Claims. (Cl. 108—13)

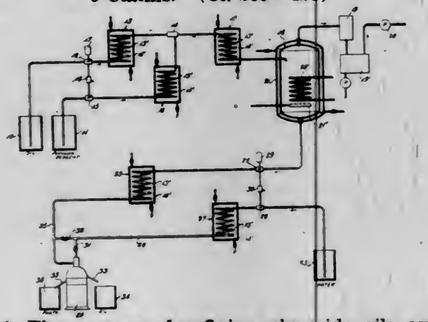
1. Roofing comprising sheet copper presenting an extensive external roofing surface, the copper being alloyed with such amount of phosphorus between 0.1 and 1% as will cause the formation on said surface when exposed to atmospheric corrosion of a self-healing, adherent, protective film composed predominantly of phosphorus content compound, while rendering the sheet copper less sensitive to failure by reason of notch effect than sheet copper without the phosphorus when subjected to the cyclic stresses caused by expansion and contraction of the roofing.

2,249,699
BUFFING MACHINE
Walter De F. Abbott, Buffalo, N. Y., assignor to Vanott Machine Corporation, Buffalo, N. Y., a corporation of New York
Application November 9, 1939, Serial No. 303,604
6 Claims. (Cl. 51—95)



5. In a buffing machine, a base having a guide track thereon, a work-spindle carriage guided on said track for longitudinal reciprocating adjustment relative to a buffing wheel, a drive spindle journaled in said carriage, a driven stroke-governing member applied to the carriage and operatively connected to said drive spindle, and having a radial guideway therein, a cross-head adjustably fitted in said guideway to assume one or another of a plurality of positions along the same, a bracket in guiding engagement with said track for adjustment lengthwise thereof; and a connection between said cross-head and said bracket for controlling the reciprocation of the carriage relative thereto over a predetermined stroke-movement.

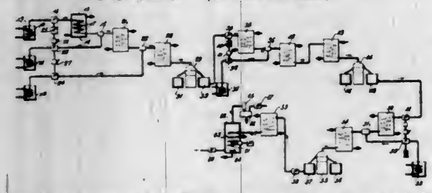
2,249,700
REFINING OF VEGETABLE OILS
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application October 31, 1938, Serial No. 237,999
9 Claims. (Cl. 260—425)



1. The process of refining glyceride oils and fats, which comprises, mixing an aqueous refining reagent with said oils to form a mixture of oil and foots containing water, subjecting said mixture to a dehydration treatment at a temperature between approximately 220° and 500° F. to remove the major portion of said water, and thereafter rehydrating said mixture and separating said foots from said oil.

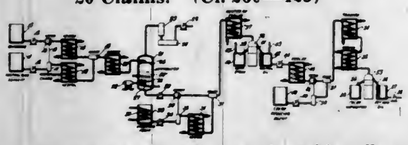
6. The process of refining degummed glyceride oils and fats containing free fatty acids, which comprises, mixing an alkaline neutralizing agent with said oil to neutralize said free fatty acids in the presence of moisture to form a mixture of oil and soap stock, subjecting said mixture to a vacuum treatment at a temperature between 220° and 500° F. to remove a substantial portion of said moisture, and thereafter adding to said mixture a rehydrating agent to condition the soap stock for separation and separating the thus conditioned soap stock from said oil.

2,249,701
REFINING OF ANIMAL AND VEGETABLE OILS
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application September 26, 1939, Serial No. 296,685
8 Claims. (Cl. 260—425)



The process of refining animal and vegetable oils which comprises: mixing a refining reagent with said oils to precipitate the foots therein, pumping a stream of a substantially uniform mixture of said oil and foots into a vapor separating zone, heating said stream during said pumping to a temperature sufficient to separate gaseous and vaporizable materials from said mixture in said zone in order to produce a substantially dehydrated mixture of oil and foots and thereafter separating the dehydrated foots from said oil.

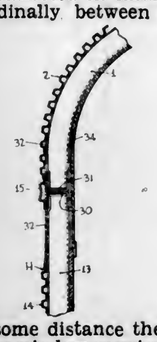
2,249,702
PROCESS OF REFINING GLYCERIDE OILS AND FATS
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application December 16, 1939, Serial No. 309,674
20 Claims. (Cl. 260—425)



1. The process of refining glyceride oils and fats, which comprises, mixing a refining agent with said glyceride to precipitate foots, and separating said foots from said glyceride by difference in specific gravity at a temperature in excess of 200° F. and below 500° F.

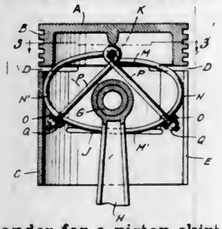
2,249,703
ROOF AND SIDE WALL CONNECTION FOR RAILWAY OR OTHER VEHICLES
Walter B. Dean, Paris, France, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application March 17, 1939, Serial No. 262,407
In France April 25, 1938
1 Claim. (Cl. 105—397)

A joint between sheet metal side and roof units of a passenger-type vehicle body in which the side unit has door or window openings spaced by shear panels formed by angular cross section uprights flanking adjacent openings and interconnected by paneling and said uprights connected at their upper ends by an angular cross section longitudinal member, and in which the roof unit has transverse angular cross section arches corresponding in longitudinal location to the side unit uprights and interconnected by paneling and at their ends by an angular cross section longitudinal member arranged to overlap and be secured to the longitudinal member at the top of a side unit in final assembly, the units being additionally interconnected in final assembly in the region longitudinally between door or window



openings and some distance therebeyond on each side of a door or window opening by a continuous extensive stay plate overlapping the outer faces of the uprights and arches in said region and also the longitudinal members connecting them, and secured thereto and forming outer face paneling throughout a large portion of its extent, and further overlapping and secured throughout the overlaps both to the roof and side wall paneling, the overlap and securement with the roof paneling extending over a substantial area, the ends of the stay plate defining the corner portions of the margins of the adjacent openings.

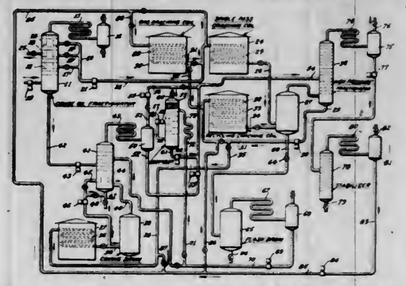
2,249,704
PISTON EXPANDER
Albert W. Detjen, Glendale, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application January 6, 1940, Serial No. 312,769
11 Claims. (Cl. 309—12)



1. An expander for a piston skirt comprising a member formed of spring wire and having portions bowed relative to one another and also having portions adapted to engage the piston skirt at opposed points, and means for moving said bowed portions away from or toward one another whereby the expansive force exerted by said end portions against said skirt may be adjusted.

2,249,705
CONVERSION OF HYDROCARBONS
Du Bois Eastman and Charles Richker, Port Arthur, Tex., assignors to The Texas Company, New York, N Y., a corporation of Delaware
Application November 1, 1939, Serial No. 302,300
8 Claims. (Cl. 196—49)

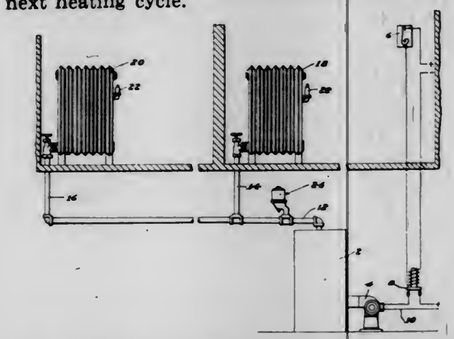
1. The process of cracking hydrocarbons that comprises fractionating a crude petroleum stock in a first fractionating zone to separate residual constituents from lighter constituents, passing such residual constituents to a coking zone wherein the residual constituents are subjected to a coking temperature and reduced to coke, passing such lighter constituents to a cracking zone wherein they are heated to a cracking temperature under superatmospheric pressure and subjected to conversion, separating the resultant cracked products in a separating zone distinct from the coking zone into vapors and residue, passing the separated vapors to a second fractionating zone wherein fractionation takes place to separate a reflux condensate from lighter fractions, directing a portion of said reflux condensate to a cracking zone wherein it is heated to a cracking temperature under superatmospheric pressure and subjected to conversion, separating the resultant cracked products of the latter cracking operation in a separating zone distinct from the coking zone into vapors and residue and passing the separated vapors to the second fractionating zone, directing another portion of said reflux condensate to a heating zone wherein it is heated to a cracking temperature and combining the resultant heated products with the aforesaid residual constituents to raise the temperature thereof and aid in reducing the same to coke, passing constituents vaporized in the coking operation to a cracking zone wherein such constituents are heated to a cracking temperature under superatmospheric pressure and subjected to conversion, separating the resultant cracked products of the latter cracking operation in a separating zone distinct from the coking zone into vapors and residue and passing the separated vapors to the second fractionating zone.



2,249,706
HEATING SYSTEM
Warren T. Ferguson, Waban, Mass., assignor to Anderson Products, Inc., Cambridge, Mass., a corporation of Massachusetts
Application August 2, 1938, Serial No. 222,604
18 Claims. (Cl. 237—9)

4. A method of heating enclosed spaces by steam, utilizing a steam boiler, a source of heat, a plurality of radiators positioned in said enclosed spaces, and pipes for conducting steam from said boiler to said radiators, in which each cycle comprises the following steps, setting said source of heat in operation at a predetermined falling enclosed space temperature, supplying said radiators with steam, venting air from said radiators through air vents thereon, sealing the system, discontinuing the supply of steam, then allowing the steam to condense to create a negative pressure in said system, maintaining the system sealed until the pressure within has fallen below a substantial predetermined negative degree, then positively opening the system at a point re-

mote from said radiators to recharge the system with air, said opening arranged to take place after the negative pressure has receded to a degree slightly less negative than said predetermined negative degree, and thereafter closing said system at said remote point at a predetermined rising temperature less than the temperature of the water in said boiler at that time, whereby each heating cycle will comprise the provision of a positive pressure in the system while steam is being supplied, a negative pressure in the system after the supply of steam is discontinued until the system is opened for recharging, and a return to atmospheric pressure prior to delivery of steam to said radiators during the next heating cycle.



14. A heating system for heating enclosed spaces, including a steam boiler and a source of heat, comprising radiators with vents thereon, pipes connecting said boiler to said radiators; means for closing said vents when the pressure within said radiators is less than atmospheric, and a valve remote from said radiators and connected to one of said pipes to open and close said system to the atmosphere, said valve comprising a vacuum-packed bellows arranged to expand at a predetermined valve temperature substantially in excess of the temperature of said enclosed spaces, but less than the boiler water temperature, to close said valve, and arranged to contract at substantially said predetermined valve temperature substantially in excess of the temperature of said enclosed spaces but less than the boiler water temperature, at which falling temperature the resultant effect of the pressure within and without the bellows is insufficient to hold the bellows elongated, said bellows also arranged to contract at a substantial determinable negative system pressure when the system pressure is decreasing, at which pressure the resultant effect of the pressure within the bellows as determined by the bellows temperature at the time and the said negative system pressure is insufficient to hold said bellows elongated, thereby to open said system to the atmosphere.

2,249,707

LEVELING ROD

Chesiyn H. Frost, Tulsa, Okla., assignor of one-half to Engineering Laboratories, Inc., Tulsa, Okla.

Application May 18, 1940, Serial No. 335,999
5 Claims. (Cl. 33—74)

1. A leveling rod of the class described comprising, an elongated rod, there being a guideway extending longitudinally of said rod, a tape reel mounted on said rod, a flexible tape windable on said reel and carrying a target member thereon slidably mounted in said guideway, said tape having one end free and the other attached to said reel, and friction drive means engaging said



tape and driven by said reel for moving said tape in said guideway.

2,249,708

METHOD OF OXIDATION OF PARAFFIN

Mildred M. Hicks-Bruun, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application January 18, 1939, Serial No. 251,549
3 Claims. (Cl. 260—451)

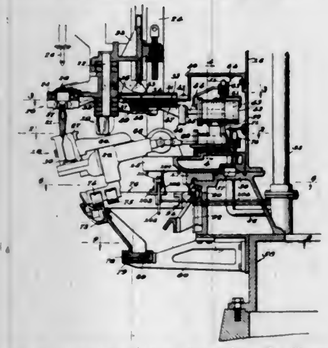
1. The method of oxidizing paraffin for the production of fatty acids which comprises mixing said paraffin to be oxidized with 0.4% to 5% of a cobalt salt of an organic acid, heating said mixture to a temperature substantially within the range of 80° C. to 130° C. and passing oxygen through said mixture while maintaining it within said temperature range to produce a product having a ratio of saponification number to acid number not greater than 1.9.

2,249,709

MACHINE FOR FORMING HOLLOW GLASS ARTICLES

John Ralph Hoge, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application July 29, 1936, Serial No. 93,211
6 Claims. (Cl. 49—5)



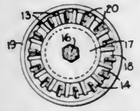
1. In a machine for forming hollow glass articles, a mold carriage, a series of parison forming molds each having a capacity less than that of the preceding mold mounted on the carriage, means for continuously rotating said carriage about a vertical axis, means for charging the molds in succession from a supply body of molten glass, adjustable means individual to the molds for automatically opening the latter at predetermined intervals according to the capacity thereof to expose the formed parisons, carriers mounted for vertical swinging movement on the carriage beneath the parison molds, finishing molds on said carriers, a track for supporting the carriers during rotation of the machine, a movable inclined section forming a part of said track and positioned to raise the finishing molds into cooperating position with the exposed parison, means normally urging said section into one of a number of selected positions, means individual to each finishing mold and operable by rotation of the carriage for automatically determining the selected position of the movable track section.

2,249,710

APPARATUS FOR CONTINUOUSLY PROCESSING THREAD OR THE LIKE

Walter F. Knebusch, Rocky River, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Original application February 18, 1935, Serial No. 7,113. Divided and this application January 25, 1938, Serial No. 186,801
3 Claims. (Cl. 18—8)



1. Apparatus for stretching thread or the like comprising a frame structure having power means associated therewith; a first thread-advancing reel of cantilever construction rotatably mounted on said frame structure and driven by said power means, said thread-advancing reel being progressively flared from a thread-receiving zone adjacent its supported end to a thread-discharge zone adjacent its unsupported end with a view to gradually stretching a considerable length of thread or the like over a relatively long period of time; a second thread-advancing reel of like character rotatably mounted on said frame structure, driven by said power means and arranged with its small end in juxtaposition to the large end of said first thread-advancing reel, whereby thread or the like discharged from said first thread-advancing reel may be subjected to a further stretching operation on said second thread-advancing reel; and take-up means to which the thread or the like proceeds from said second thread-advancing reel.

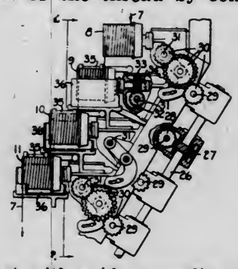
2,249,711

METHOD OF MANIPULATING THREAD OR THE LIKE

Walter F. Knebusch, Rocky River, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application January 25, 1938, Serial No. 186,802
3 Claims. (Cl. 18—54)

1. The method of transferring wet thread from a preceding to a succeeding thread-advancing reel each of which continuously advances the thread lengthwise thereof in a plurality of generally helical turns comprising advancing the leading portion of the thread along said preceding reel into the discharge zone thereof, meanwhile rotating said reel at an angular speed, which, taking into account the diameter of the reel, is sufficient to fling the leading portion of the thread by centrifugal force



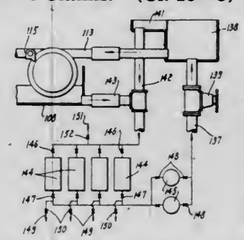
into contact with said succeeding reel, whereby the thread is transferred between said reels.

2,249,712

APPARATUS FOR PROCESSING THREAD

Walter F. Knebusch, Rocky River, and Alden H. Burkholder, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application October 24, 1938, Serial No. 236,722
6 Claims. (Cl. 18—8)



6. Apparatus for the continuous processing of thread comprising a bank of thread-advancing, thread-storage devices which includes at least one descending series of such devices adapted to process at least one thread; means for applying processing liquid to the thread stored thereon associated with each of a plurality of thread-advancing, thread-storage devices in said series; supply means disposed in stacked relation at one end of the bank for supplying processing liquid at a constant pressure to each of said processing liquid applying means, each of said supply means including means directing upward an amount of processing liquid in excess of the amount which passes to said processing liquid applying means and a surface positioned at a predetermined height above said processing liquid applying means and associated with said processing liquid directing means over which surface the excess processing liquid flows; means for collecting the processing liquid which has been applied to each thread-advancing, thread-storage device; means for combining the collected processing liquid with the processing liquid which overflows said surface; and means for passing the combined processing liquid to one of said processing liquid supplying means.

2,249,713

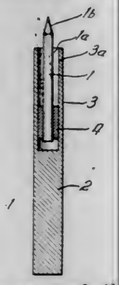
PHONOGRAPH NEEDLE

Henry Louis Imelmann, Chicago, Ill., assignor to Permo Products Corporation, Chicago, Ill., a corporation of Illinois

Application November 4, 1940, Serial No. 364,210
5 Claims. (Cl. 274—38)

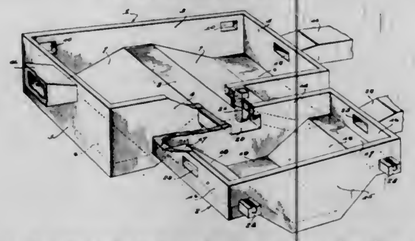
1. In a phonograph stylus, a playing portion

having a point at one end, a shank portion, said shank having a substantially concentric bore longitudinal of the shank thereof, said playing portion extending substantially concentrically into



said bore and being secured therein with its point protruding therebeyond in spaced relation to the inside wall of said shank at the lower end.

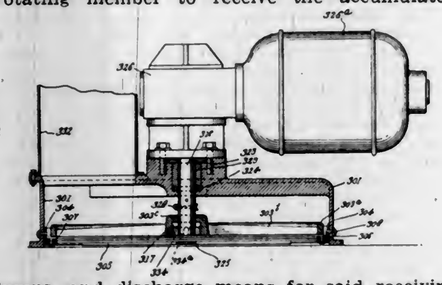
2,249,714
GLASS MELTING FURNACE
James E. McBurney, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application February 27, 1940, Serial No. 321,073
7 Claims. (Cl. 49—54)



1. A melting tank including a floor having end sections at a low level, an intermediate section at a higher level, inclined sections connecting said end sections with the intermediate section, means for introducing batch downward into the tank adjacent the ends thereof, means for supplying melting heat directly to the portions of the batch directly over said low level floor sections, and means for discharging the melted material from the intermediate shallow portion of the tank.

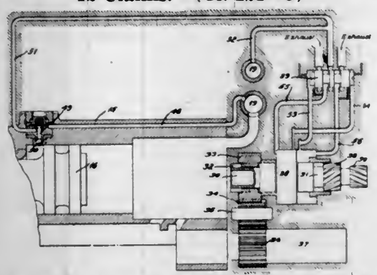
2,249,715
SCREENING DEVICE FOR BAG FILLING MACHINES
Jacob J. Neuman, South Salem, N. Y., assignor to United States Patent Development and Royalty Company, South Salem, N. Y., a company of New York
Application May 20, 1939, Serial No. 274,688
4 Claims. (Cl. 209—358)

2. In a device of the character described, a screen for receiving and sizing material, a rotating spider member having a continuous rim positioned above said screen and adapted to cause rotation of lumps of material on the screen to reduce the same to screen size by wedging and agitating, said rim being of uniform depth around the entire circumference, the bottom surfaces of said spider member and rim being flat and in the same plane and adapted at a predetermined depth of accumulated lumps of material choking the screen to discharge same from above the screen by centrifugal force, receiving means positioned upon the outer limits of said screen and rotating member to receive the accumulated



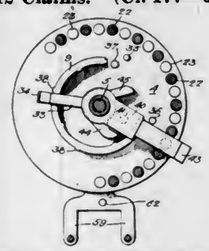
lumps, and discharge means for said receiving means.

2,249,716
ROCK DRILL FEED MECHANISM
Gustav C. Pearson, Denver, Colo., assignor to Gardner-Denver Company, Quincy, Ill., a corporation of Delaware
Application June 14, 1940, Serial No. 340,521
12 Claims. (Cl. 121—9)



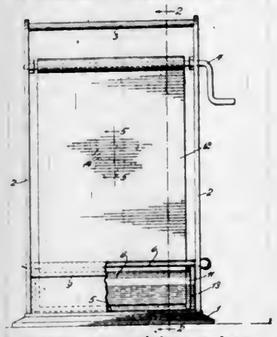
1. In a feed mechanism for rock drills, the combination of a support having movable thereon a drill, a reciprocating hammer piston within the drill, a motor including a reciprocating piston for moving the drill on the support, an automatic valve controlling the flow of operating fluid to the motor piston, a conduit leading from a fluid supply to the automatic valve, a valve within the conduit, and said valve being held open by the hammer piston during a part of its movement in both directions.

2,249,717
IMPULSE SENDING DEVICE
Elmer O. Thompson, Grasmere, N. Y., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 20, 1938, Serial No. 220,368
12 Claims. (Cl. 177—380)



1. In a circuit controlling device, a plurality of spaced stationary contacts permanently connected together, a movable contact member normally out of engagement with said contacts and arranged to successively engage said contacts, means including an energy storing element for normally maintaining said member in a rest position and for operating said member to said position whenever it is moved therefrom, manually operable means for moving said member from said position and for simultaneously storing energy in said element, to thereby cause said member to successively engage said contacts under the influence of said element after release of said manual means, means for preventing closure of the circuit including said contacts during the manual movement of said member, additional contacts operable by said manual means before the release thereof, to effect a circuit-closing function, and means for delaying the return movement of said contact member for a time interval after the release of said manual means.

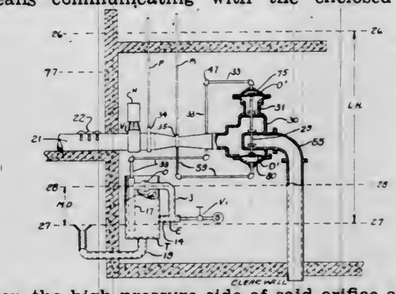
2,249,718
FLYCATCHER
Frank Travnicek, East St. Louis, Ill., now by change of name Frank Griness
Application February 23, 1940, Serial No. 320,339
2 Claims. (Cl. 43—116)



1. A fly catcher comprising a base, a pair of uprights secured to the base, a crank shaft journalled on the upper portion of the uprights, a receptacle adapted to contain a fluid seated upon the base, a spool in the receptacle, a web of paper on the spool having an end connected to the crank, and a removable bar passing through the uprights in a position to engage the top of the receptacle and the spool.

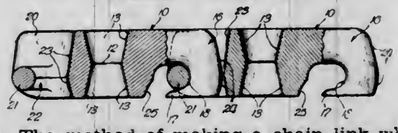
2,249,719
FLUID FLOW CONTROL SYSTEM
Charles Arthur Brown, Lorain, Ohio, assignor, by mesne assignments, to Virginia R. Brown, Lorain, Ohio
Application February 3, 1937, Serial No. 123,783
6 Claims. (Cl. 137—68)

1. In a device of the class described, with relation to a fixed datum level for liquid, an orifice having a high pressure and a low pressure side arranged at the fixed datum level; an evacuator means for establishing subatmospheric pressures upon the low pressure side of said orifice; a support for said orifice including means extending above and below said orifice for hermetically enclosing a body of liquid at the fixed datum level and for enclosing a body of gas above said enclosed liquid in communication with the high pressure side of said orifice; said liquid and gas-enclosing means having an opening below the plane of the liquid datum level adapted to be hermetically sealed by a supply of liquid; and means communicating with the enclosed gas



upon the high pressure side of said orifice above the fixed datum level for transmitting the pressure thereof to pressure responsive mechanism.

2,249,720
CONVEYER LINK
Robert J. Ernst, Chicago, Ill., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation
Application April 28, 1941, Serial No. 390,640
7 Claims. (Cl. 59—35)



1. The method of making a chain link which comprises the steps of die-forging a link body having a hook portion at one end and a hook engaging portion at the opposite end, said die-forged link body having said hook and hook engaging portions in parallel planes, and deforming said hook portion until it is angularly arranged with respect to the plane of said hook engaging portion.

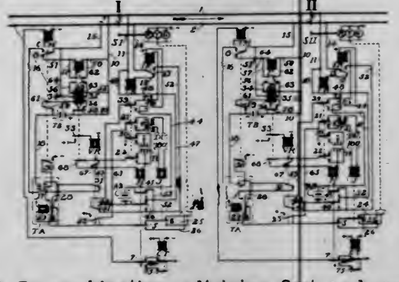
2,249,721
TOOTH AND GUM EXERCISER
John H. Morris, Cleveland, Ohio
Application May 4, 1939, Serial No. 271,779
2 Claims. (Cl. 128—62)



1. A gum massaging and dentifrice applying device comprising a body of H-shaped cross section formed of resilient rubber having teeth and gum receiving grooves on the top and bottom sides thereof to receive a portion of the teeth and gums from the front of the mouth on one side of the mouth to the rear of the mouth, the body being wide at one end to receive the large teeth at the rear of the mouth and being narrow at the opposite end and curved at said opposite end to receive the smaller teeth and gums at the front of the mouth, the bottom walls of the grooves being provided with circular concave suction cups of gradually decreasing diameter from the wide rear end of the body to the narrow front end of the body, the side walls of the grooves being substantially perpendicular to the bottom walls of the grooves, longitudinal ribs formed

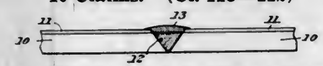
integral with the walls of the grooves along the entire upper and lower edges of the walls disposed perpendicular to the walls of the grooves and projecting from the inner faces of the walls to overlie the bottom walls of the grooves, said ribs being adapted to contact with the gums and provide dams for providing a better vacuum around the gums and teeth to coact with the suction cups in jetting dentifrice into the orifices of the teeth and gums while simultaneously mildly rubbing the gums and urging the gums toward the teeth when the teeth bite down upon the bottom walls of the grooves, and a handle projecting from the smaller end of the body substantially in alignment with the body and disposed exteriorly of the outer walls of the grooves.

2,249,722
APPROACH CONTROL APPARATUS FOR RAILWAY SIGNALING SYSTEMS
Frank H. Nicholson, Wilkinsburg, Pa., assignor to the Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 9, 1940, Serial No. 318,122
19 Claims. (Cl. 246—38)



1. In combination, adjoining first and second sections of railway track, means at the remote end of said second section for supplying the rails thereof with master code energy in the form of recurring pulses that are separated by "off" periods, means at the junction of said first and second sections which distinguish between vacant and occupied conditions of said first section, normally inactive means at said junction which are controlled by said distinguishing means and rendered active thereby when said first section is occupied and which when so rendered active further supply the second section rails with pulses of feed back energy that are timed by said master code pulses to recur in step with the master code "off" periods, and traffic governing apparatus controlled by the said pulses of feed back energy which are transmitted over the second section rails.

2,249,723
WELDING NONCORROSIVE METAL MEMBER
John B. Orr, Jr., Sewickley, Pa.
Application May 16, 1938, Serial No. 208,171
10 Claims. (Cl. 113—112)

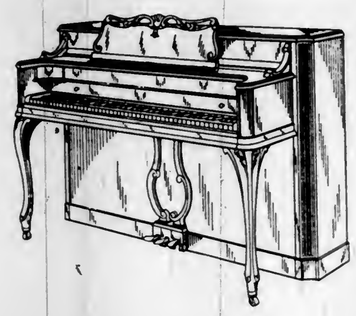


1. In a method of metal uniting a pair of metal members having a carbon steel side and a stainless steel side, the step of placing the members with the portions thereof to be welded in a juncture relationship with respect to each other, the members of the pair being placed with their carbon steel sides facing on the same side of the pair and their stainless steel sides on an opposite side of the pair, welding juncture portions of the pair together from the carbon steel side with carbon steel weld metal while permitting the carbon steel weld metal to flow up to the stainless steel side of the pair, and impact applying minute globules of molten noncorrosive weld metal upon the juncture portions of the pair from the noncorrosive sides thereof to at least substantially the thickness of the noncorrosive layer thereof, the above-mentioned steps being accomplished while maintaining the temperature of the stainless steel sides and the noncorrosive weld metal at temperature values inhibiting loss of their corrosion-resisting properties.

DESIGNS

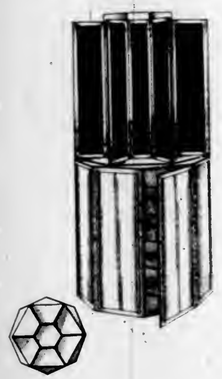
JULY 15, 1941

128,240
DESIGN FOR A PIANO CASE
Wilbur M. Day, Norwood, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application May 21, 1941, Serial No. 101,076
Term of patent 7 years



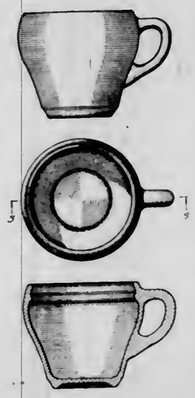
The ornamental design for a piano case, substantially as shown.

128,241
DESIGN FOR A COMBINATION DISPLAY RACK AND STOCK CABINET
Fred E. Deschauer, Lake Zurich, Ill.
Application August 7, 1940, Serial No. 94,287
Term of patent 14 years



The ornamental design for a combination display rack and stock cabinet, as shown and described.

128,242
DESIGN FOR A CUP
William Dolphin, Chicago, Ill.
Application December 16, 1939, Serial No. 88,935
Term of patent 14 years



The ornamental design for a cup, as shown.

128,243
DESIGN FOR A LACE TRIMMING OR SIMILAR ARTICLE
Otto Hallbauer, West Englewood, N. J., assignor to Stein-Tobler Co. Inc., Union City, N. J., a corporation of New Jersey
Application April 28, 1941, Serial No. 100,652
Term of patent 3½ years



The ornamental design for a lace trimming or similar article, substantially as shown.

128,244
DESIGN FOR A LACE TRIMMING OR SIMILAR ARTICLE
Otto Hallbauer, West Englewood, N. J., assignor to Stein-Tobler Co. Inc., Union City, N. J., a corporation of New Jersey
Application April 28, 1941, Serial No. 100,653
Term of patent 3½ years



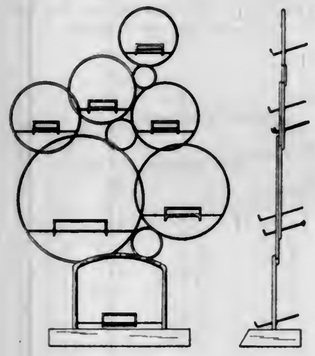
The ornamental design for a lace trimming or similar article, substantially as shown.

128,245
DESIGN FOR A LACE TRIMMING OR SIMILAR ARTICLE
Otto Hallbauer, West Englewood, N. J., assignor to Stein-Tobler Co. Inc., Union City, N. J., a corporation of New Jersey
Application April 28, 1941, Serial No. 100,654
Term of patent 3½ years



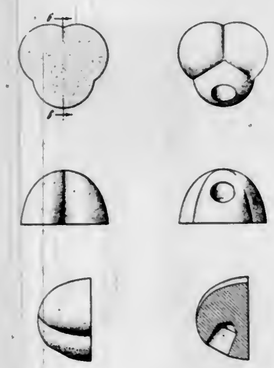
The ornamental design for a lace trimming or similar article, substantially as shown.

128,246
DESIGN FOR A DISPLAY STAND
Elliott Loew, Jamaica, N. Y., assignor to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J., a corporation of New Jersey
Application April 23, 1941, Serial No. 100,585
Term of patent 3½ years



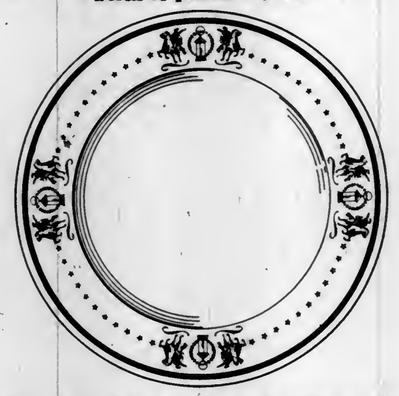
The ornamental design for a display stand, as shown.

128,247
DESIGN FOR A TAP KNOB
Clark C. Merritt, Passaic, N. J.
Application April 9, 1941, Serial No. 100,254
Term of patent 14 years



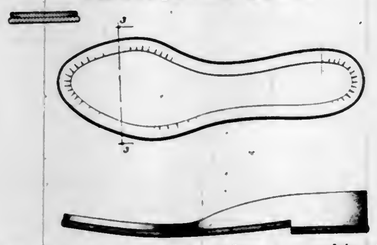
The ornamental design for a tap knob, as shown.

128,248
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Thomas W. Obert, Syracuse, N. Y., assignor to Iroquois China Company, Syracuse, N. Y.
Application May 7, 1941, Serial No. 100,822
Term of patent 7 years



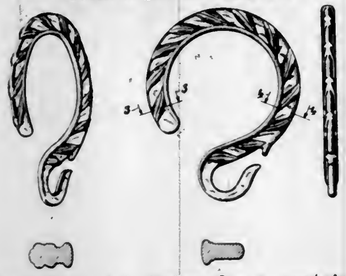
The ornamental design for a plate or similar article, as shown.

128,249
DESIGN FOR A COMBINED SOLE AND HEEL
Charles C. Abbott, Auburn, Maine, assignor to Charles Cushman Company, Auburn, Maine, a corporation of Maine
Application January 27, 1941, Serial No. 98,405
Term of patent 3½ years



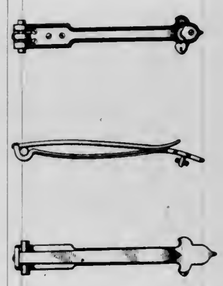
The ornamental design for a combined sole and heel, as shown.

128,250
DESIGN FOR A CURTAIN HOOK
Samuel J. Brandstein, Brooklyn, N. Y.
Application May 19, 1941, Serial No. 101,007
Term of patent 3½ years



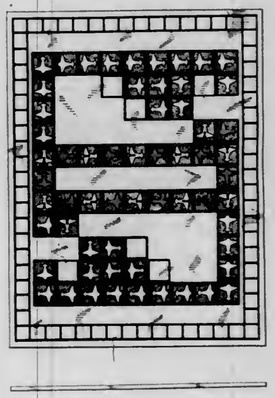
The ornamental design for a curtain hook, substantially as shown.

128,251
DESIGN FOR A TIE CLASP
Michael Chernow, New York, N. Y.
Application April 11, 1941, Serial No. 100,316
Term of patent 7 years



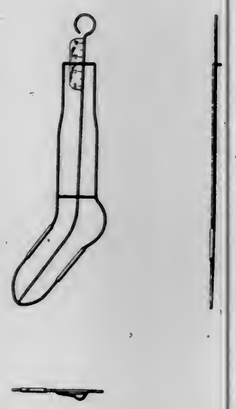
The ornamental design for a tie clasp, substantially as shown.

128,252
DESIGN FOR A GAME BOARD
John J. Davala, Passaic, N. J.
Application March 8, 1941, Serial No. 99,441
Term of patent 14 years



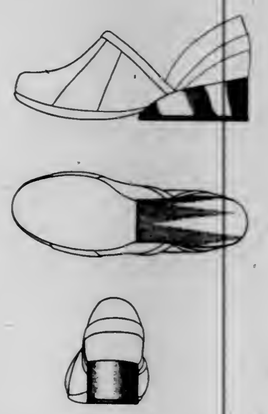
The ornamental design for a game board, as shown.

128,253
DESIGN FOR AN ADJUSTABLE HOSIERY BLOCKER AND DRIER
John L. Devaney, Oak Park, Ill., assignor to Frank J. Bolek, Chicago, Ill.
Application December 9, 1940, Serial No. 97,205
Term of patent 7 years



The ornamental design for an adjustable hosiery blocker and drier, as shown.

128,254
DESIGN FOR A SLIPPER
Marvin Fox, New York, N. Y.
Application April 20, 1940, Serial No. 91,822
Term of patent 3½ years



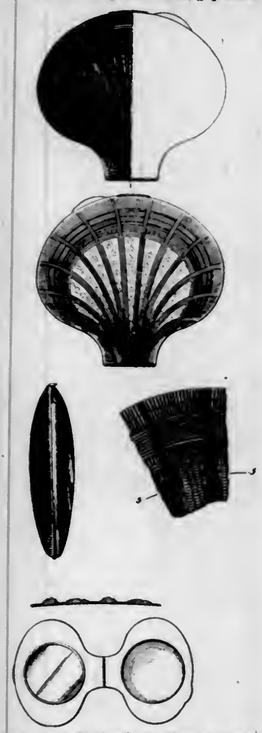
The ornamental design for a slipper, substantially as shown and described.

128,255
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Emanuel J. Gerli, New York, N. Y.
Application April 14, 1941, Serial No. 100,375
Term of patent 3½ years



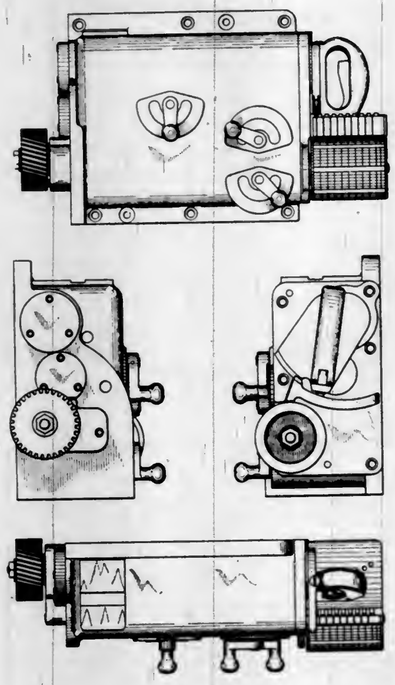
The ornamental design for a vanity case or similar article, substantially as shown.

128,256
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Emanuel J. Gerli, New York, N. Y.
Application April 22, 1941, Serial No. 100,563
Term of patent 3½ years



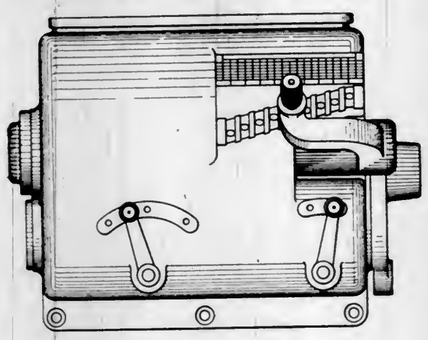
The ornamental design for a vanity case or similar article, substantially as shown.

128,257
DESIGN FOR A FEED BOX FOR LATHES
William F. Groene and Harry C. Kemper, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application March 24, 1941, Serial No. 99,822
Term of patent 14 years

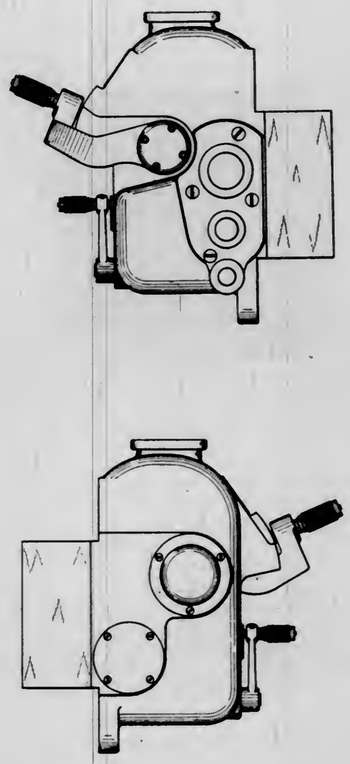


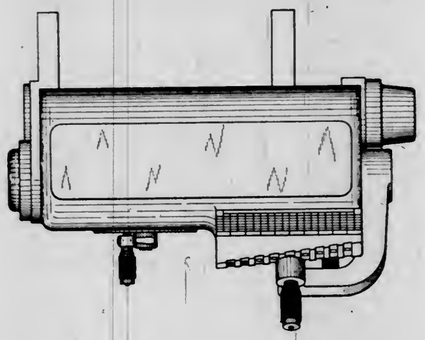
The ornamental design for a feed box for lathes, substantially as shown.

128,258
DESIGN FOR A FEED BOX FOR LATHES
William F. Groene and George W. Luning, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application April 10, 1941, Serial No. 100,309
Term of patent 14 years



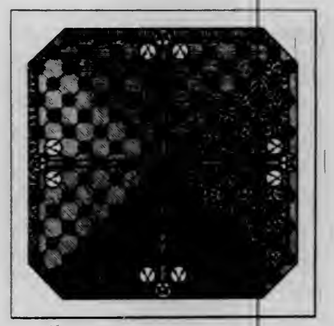
128,258—Continued





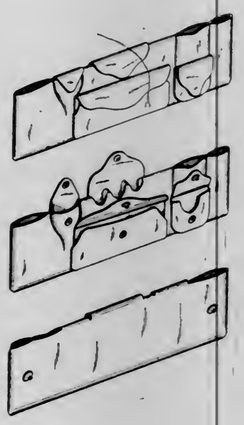
The ornamental design for a feed box for lathes, substantially as shown.

128,259
DESIGN FOR A GAME BOARD
James E. Hawkins, Spokane, Wash.
Application April 12, 1941, Serial No. 100,359
Term of patent 14 years



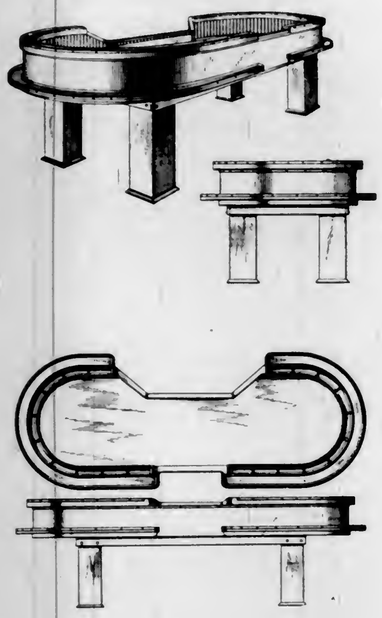
The ornamental design for a game board, as shown.

128,260
DESIGN FOR A POCKET ATTACHMENT FOR LADIES' HANDBAGS
Sarah P. Hennings, St. Louis, Mo.
Application March 3, 1941, Serial No. 99,303
Term of patent 3½ years



The ornamental design for a pocket attachment for ladies' handbags, substantially as shown.

128,261
DESIGN FOR A GAME TABLE
Hoffman Kasey, Henderson, Ky.
Application March 1, 1941, Serial No. 99,273
Term of patent 14 years



The ornamental design for a game table, as shown.

128,262
DESIGN FOR A COMBINATION MEMO PAD AND PENCIL HOLDER
Mary Lodico, Brooklyn, N. Y.
Application May 31, 1941, Serial No. 161,252
Term of patent 3½ years



128,262—Continued



The ornamental design for a combination memo pad and pencil holder, substantially as shown.

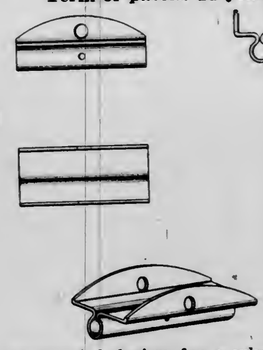
128,263
DESIGN FOR A DOLL
Josephine Ranney, Chicago, Ill.
Application March 10, 1941, Serial No. 99,451
Term of patent 7 years





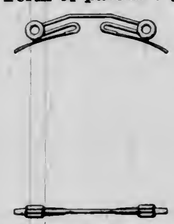
The ornamental design for a doll, substantially as shown.

128,264
DESIGN FOR A WHEEL SUPPORTING TRUCK FOR SCOOTER CARS
Joseph M. Rodriguez, Brooklyn, N. Y.
Application January 2, 1941, Serial No. 97,785
Term of patent 14 years



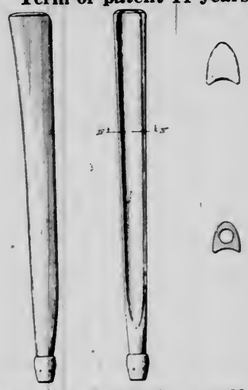
The ornamental design for a wheel supporting truck for scooter cars, as shown.

128,265
DESIGN FOR A COLLAR HOLDER
Joseph Shaulson, Providence, R. I.
Application April 10, 1941, Serial No. 100,287
Term of patent 7 years



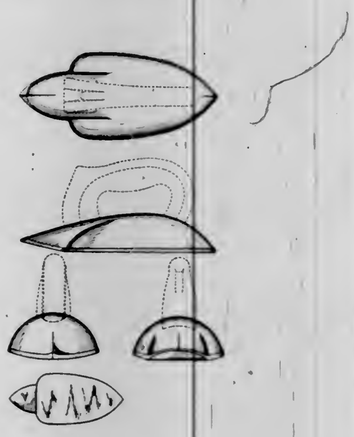
The ornamental design for a collar holder, substantially as shown.

128,266
DESIGN FOR A GOLF CLUB HANDLE
Kenneth Smith, Lenexa, Kans.
Application April 26, 1941, Serial No. 100,629
Term of patent 14 years



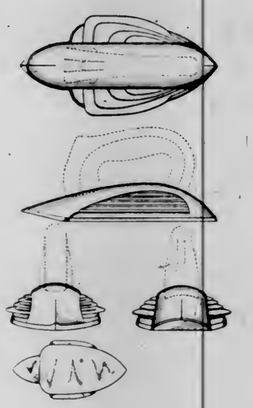
The ornamental design for a golf club handle, as shown.

128,267
DESIGN FOR A PRESSING IRON
Clifford Brooks Stevens, Fox Point, and Edward P. Schreyer, Milwaukee, Wis.; said Stevens assignor to said Schreyer
Application May 19, 1941, Serial No. 101,014
Term of patent 14 years



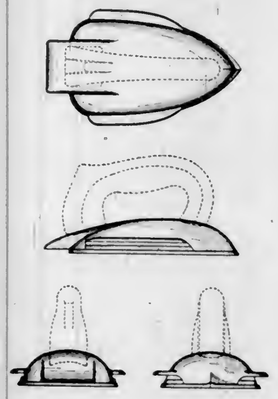
The ornamental design for a pressing iron, substantially as shown and described.

128,268
DESIGN FOR A PRESSING IRON
Clifford Brooks Stevens, Fox Point, and Edward P. Schreyer, Milwaukee, Wis.; said Stevens assignor to said Schreyer
Application May 19, 1941, Serial No. 101,015
Term of patent 14 years



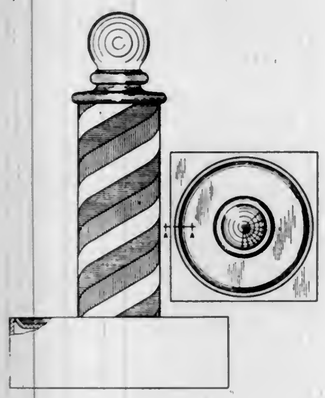
The ornamental design for a pressing iron, substantially as shown and described.

128,269
DESIGN FOR A PRESSING IRON
Clifford Brooks Stevens, Fox Point, and Edward P. Schreyer, Milwaukee, Wis.; said Stevens assignor to said Schreyer
Application May 19, 1941, Serial No. 101,016
Term of patent 14 years



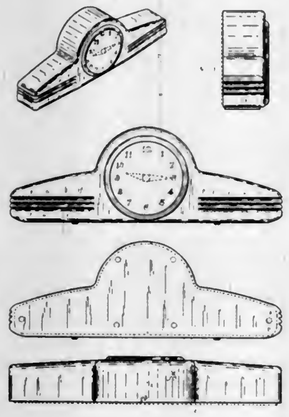
The ornamental design for a pressing iron, substantially as shown and described.

128,270
DESIGN FOR A DISPLAY DEVICE
Edward H. Torbeck and Warren Dunn, Altamont, Ill.; said Dunn assignor to said Torbeck
Application April 21, 1941, Serial No. 100,545
Term of patent 14 years



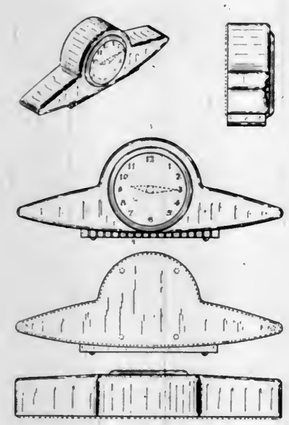
The ornamental design for a display device, as shown.

128,271
DESIGN FOR A CLOCK
George W. Walker, Pleasant Ridge, Mich., assignor to The Standard Products Company, Detroit, Mich., a corporation of Ohio
Application May 21, 1941, Serial No. 101,055
Term of patent 7 years



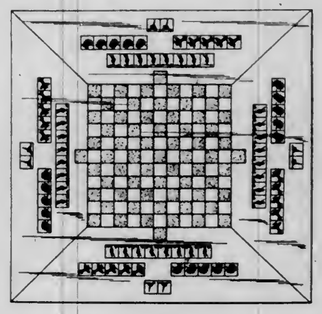
The ornamental design for a clock, substantially as shown and described.

128,272
DESIGN FOR A CLOCK
George W. Walker, Pleasant Ridge, Mich., assignor to The Standard Products Company, Detroit, Mich., a corporation of Ohio
Application May 26, 1941, Serial No. 101,152
Term of patent 7 years



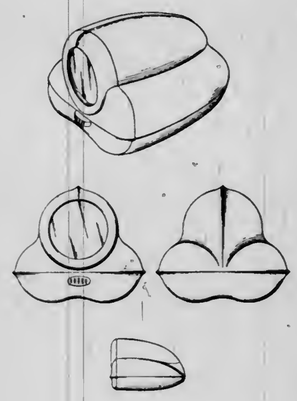
The ornamental design for a clock, substantially as shown and described.

128,273
DESIGN FOR A GAME BOARD
Gerald O. Zimmerman, Klamath Falls, Oreg.
Application April 29, 1941, Serial No. 100,701
Term of patent 7 years



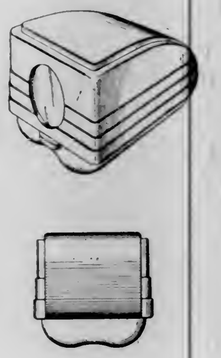
The ornamental design for a game board, as shown.

128,274
DESIGN FOR A FLASHLIGHT OR SIMILAR ARTICLE
Lynn Brodton, Collingswood, N. J.
Application April 28, 1941, Serial No. 100,659
Term of patent 14 years



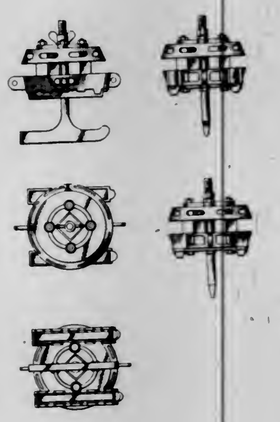
The ornamental design for a flashlight or similar article, as shown.

128,275
DESIGN FOR A FLASHLIGHT OR SIMILAR ARTICLE
Lynn Brodton, Collingswood, N. J.
Application April 28, 1941, Serial No. 100,660
Term of patent 7 years



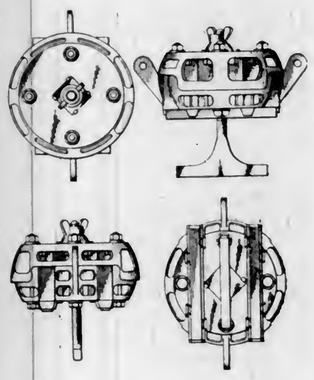
The ornamental design for a flashlight or similar article, as shown.

128,276
DESIGN FOR AN ELECTROLYTIC WATER CORRECTION DEVICE
Edgar M. Butler, New Orleans, La.
Application March 5, 1941, Serial No. 99,370
Term of patent 14 years



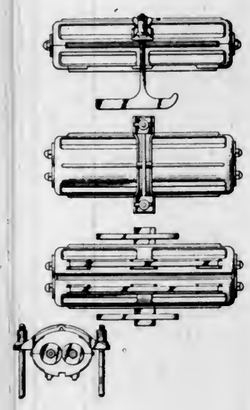
The ornamental design for an electrolytic water correction device, substantially as shown.

128,277
DESIGN FOR AN ELECTROLYTIC WATER CORRECTION DEVICE
Edgar M. Butler, New Orleans, La.
Application March 5, 1941, Serial No. 99,371
Term of patent 14 years



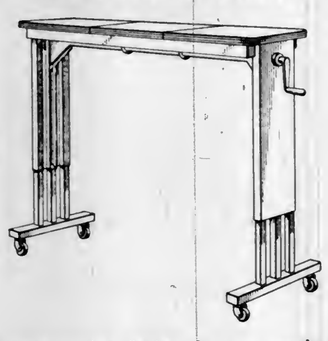
The ornamental design for an electrolytic water correction device, substantially as shown.

128,278
DESIGN FOR AN ELECTROLYTIC WATER CORRECTION DEVICE
Edgar M. Butler, New Orleans, La.
Application March 5, 1941, Serial No. 99,372
Term of patent 14 years



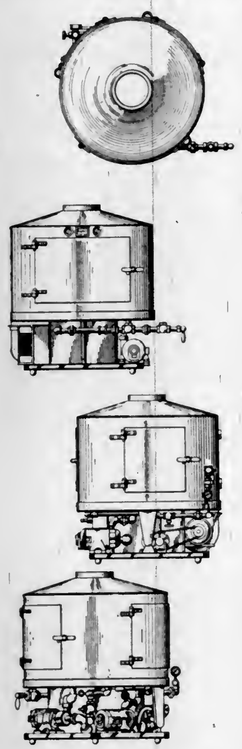
The ornamental design for an electrolytic water correction device, substantially as shown.

128,279
DESIGN FOR AN OVERBED TABLE
John Bigelow Caldwell, Buffalo, N. Y.
Application August 2, 1940, Serial No. 94,136
Term of patent 14 years



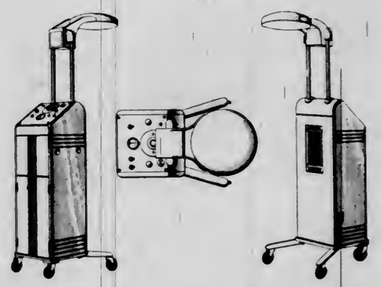
The ornamental design for an overbed table, as shown and described.

128,280
DESIGN FOR A ROTARY CAN WASHER
Willard S. Campbell, Hampshire, Ill., assignor, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware
Application August 9, 1940, Serial No. 94,338
Term of patent 3½ years



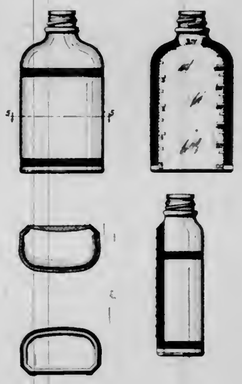
The ornamental design for a rotary can washer, substantially as shown.

128,281
DESIGN FOR A HAIR WAVING MACHINE
Jack P. Fischer, Scarsdale, and Maximilian Ehrlich, Woodmere, N. Y.
Application May 8, 1941, Serial No. 100,851
Term of patent 7 years



The ornamental design for a hair waving machine, as shown.

128,282
DESIGN FOR A PRESCRIPTION BOTTLE
Ralph J. Gelinas, South Weymouth, and Charles J. Conley, Wellesley Hills, Mass., assignors to United Drug Company, Boston, Mass., a corporation of Delaware
Application March 31, 1941, Serial No. 100,044
Term of patent 14 years



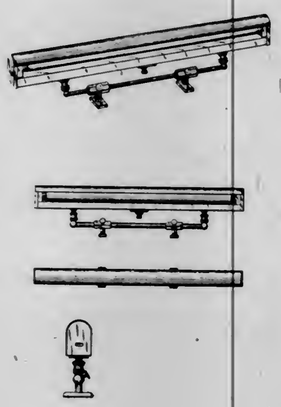
The ornamental design for a prescription bottle, substantially as shown and described.

128,283
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Emanuel J. Gerli, New York, N. Y.
Application April 14, 1941, Serial No. 100,374
Term of patent 3½ years



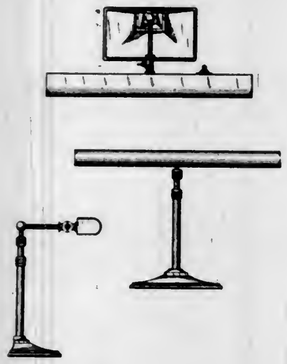
The ornamental design for a vanity case or similar article, substantially as shown.

128,284
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Max Herr, Chicago, Ill.
Application March 12, 1941, Serial No. 99,507
Term of patent 7 years



The ornamental design for a fluorescent lighting fixture, as shown.

128,285
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Max Herr. Chicago, Ill.
Application April 5, 1941, Serial No. 100,174
Term of patent 7 years



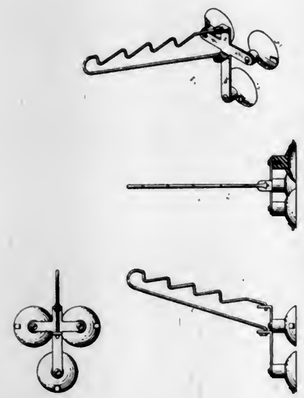
The ornamental design for a fluorescent lighting fixture, as shown.

128,286
DESIGN FOR A COMBINED MIRROR, LIPSTICK HOLDERS, AND CARRYING CHAIN
Martine Kane, New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application November 8, 1940, Serial No. 96,440
Term of patent 7 years



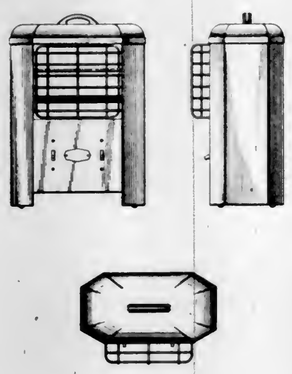
The ornamental design for a combined mirror, lipstick holders, and carrying chain, as shown.

128,287
DESIGN FOR A CLOTHES HANGER FOR AUTOMOBILE WINDOWS
Elmer J. Lauronen, Oakland, Calif.
Application May 14, 1941, Serial No. 100,940
Term of patent 14 years



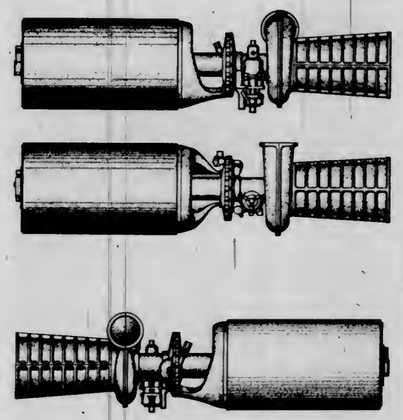
The ornamental design for a clothes hanger for automobile windows, as shown.

128,288
DESIGN FOR A PORTABLE ELECTRIC HEATER
Albert J. D. Ohm, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application March 29, 1941, Serial No. 99,998
Term of patent 14 years



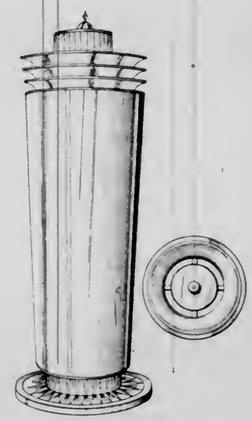
The ornamental design for a portable electric heater, substantially as shown.

128,289
DESIGN FOR A TURBOSUPERCHARGER
Nathan C. Price, Hollywood, Calif.
Application November 8, 1940, Serial No. 96,441
Term of patent 7 years



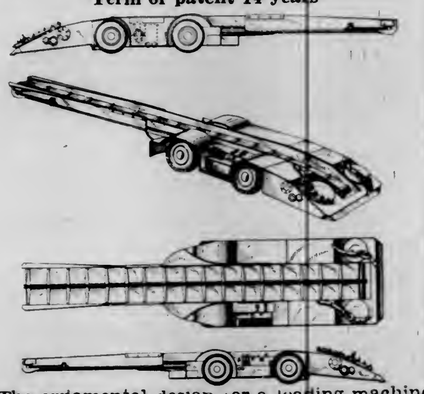
The ornamental design for a turbosupercharger, as shown.

128,290
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,744
Term of patent 3½ years



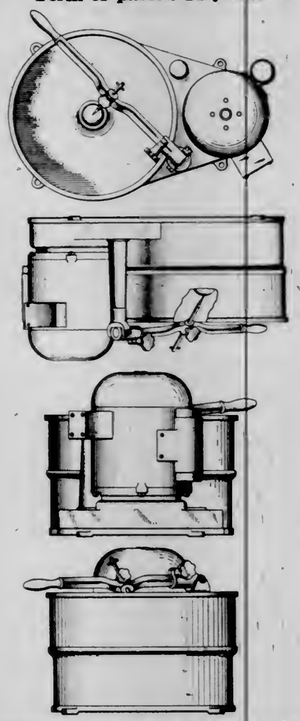
The ornamental design for a casing for sound apparatus, as shown and described.

128,291
DESIGN FOR A LOADING MACHINE
John D. Russell, Sugar Creek Township, Venango County, Pa., assignor to Joy Manufacturing Company, Franklin, Pa., a corporation of Pennsylvania
Application January 17, 1941, Serial No. 98,156
Term of patent 14 years



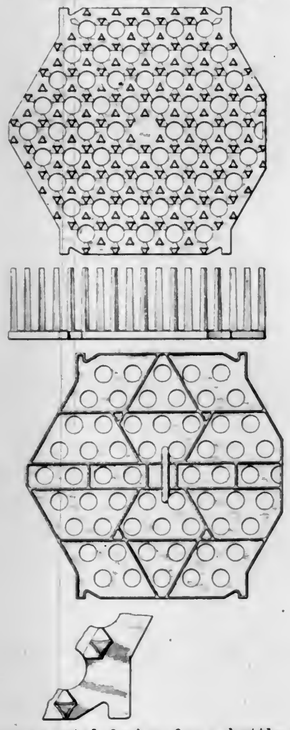
The ornamental design for a loading machine, as shown.

128,292
DESIGN FOR A LENS SURFACING MACHINE
Albert L. Simonds, Southbridge, Mass.
Application March 10, 1941, Serial No. 99,462
Term of patent 14 years



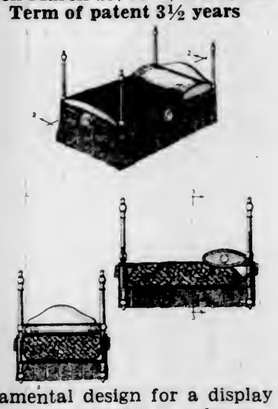
The ornamental design for a lens surfacing machine, as shown.

128,293
DESIGN FOR A BOTTLE HOLDER
Drexel T. Carlson, Kansas City, Mo., assignor to C. Earl Hovey, Kansas City, Mo., as trustee
Application April 2, 1941, Serial No. 100,097
Term of patent 7 years



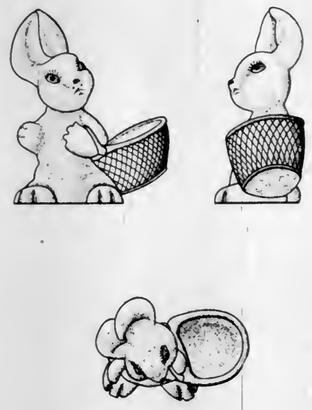
The ornamental design for a bottle holder, as shown.

128,294
DESIGN FOR A DISPLAY UNIT FOR PERFUME, SACHET, OR THE LIKE
William B. Cohen, St. Paul, Minn., assignor to Stuart Products, Inc., St. Paul, Minn., a corporation of Minnesota
Application March 29, 1941, Serial No. 99,994
Term of patent 3½ years



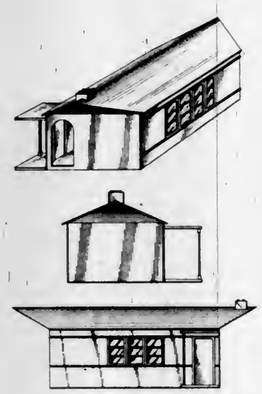
The ornamental design for a display unit for perfume, sachet, or the like, as shown.

128,295
DESIGN FOR A HOLDER FOR PERFUME BOTTLES OR THE LIKE
Sydney Corwin and Jerome Braun, New York, N. Y.
Application April 25, 1941, Serial No. 100,613
Term of patent 3½ years



The ornamental design for a holder for perfume bottles or the like, as shown.

128,296
DESIGN FOR A BUILDING
Ernest Merrell Ellis, Portland, Oreg.
Application March 25, 1939, Serial No. 83,821
Term of patent 3½ years



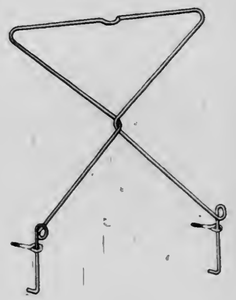
The ornamental design for a building, as shown.

128,297
DESIGN FOR A MUSICAL BRACELET
Catherine L. Healy, Attleboro, Mass.
Application February 19, 1941, Serial No. 99,094
Term of patent 3½ years



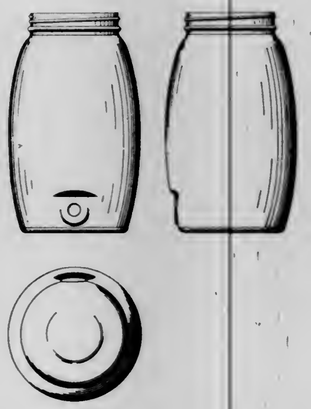
The ornamental design for a musical bracelet, substantially as shown.

128,298
DESIGN FOR A PAPER CLAMP
Lawrence L. Houser, Mishawaka, Ind.
Application April 15, 1940, Serial No. 91,683
Term of patent 7 years



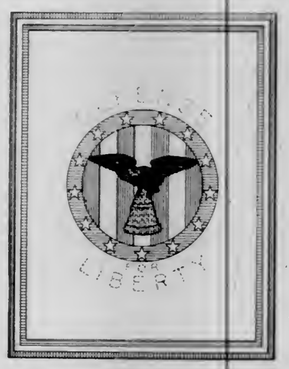
The ornamental design for a paper clamp, as shown and described.

128,299
DESIGN FOR A GLASS BOTTLE
William J. Lundy, Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application April 9, 1940, Serial No. 91,557
Term of patent 7 years



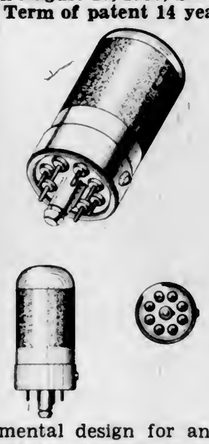
The ornamental design for a glass bottle, substantially as shown.

128,300
DESIGN FOR A FLAG OR THE LIKE
John G. McDonald, Newport News, Va.
Application April 24, 1941, Serial No. 100,610
Term of patent 3½ years



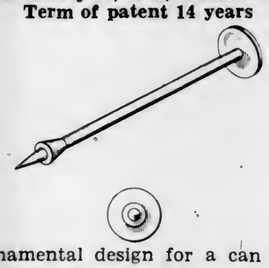
The ornamental design for a flag or the like, as shown.

128,301
DESIGN FOR AN ELECTRON TUBE OR SIMILAR ARTICLE
Carl F. Miller, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application August 10, 1938, Serial No. 79,210
Term of patent 14 years



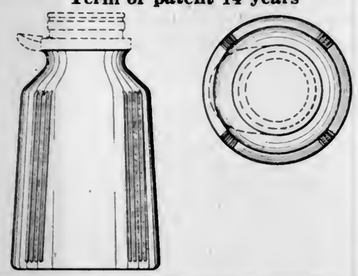
The ornamental design for an electron tube or similar article, substantially as shown.

128,302
DESIGN FOR A CAN PUNCH
Adolph Henry Albert Mitzlaff, Omaha, Nebr.
Application May 17, 1941, Serial No. 100,992
Term of patent 14 years



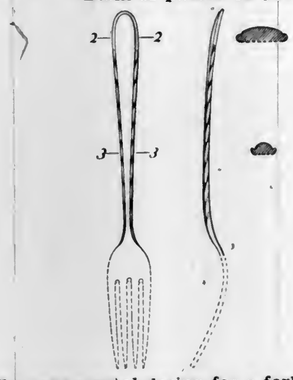
The ornamental design for a can punch, as shown.

128,303
DESIGN FOR A DECANTER BOTTLE
Charles W. Neusbaum and Charles E. Marchino, Vincennes, Ind., assignors to Vincennes Packing Corporation, Vincennes, Ind., a corporation
Application June 22, 1940, Serial No. 93,200
Term of patent 14 years



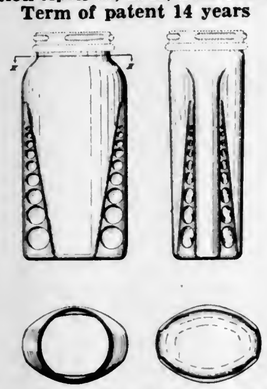
The ornamental design for a decanter bottle, substantially as shown and described.

128,304
DESIGN FOR A FORK OR ANALOGOUS ARTICLE
Harold E. Nock, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application March 21, 1941, Serial No. 99,753
Term of patent 14 years



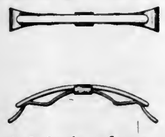
The ornamental design for a fork or analogous article, substantially as shown and described.

128,305
DESIGN FOR A JAR OR SIMILAR ARTICLE
Victor J. Schlitzer, Boston, Mass., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 29, 1941, Serial No. 100,686
Term of patent 14 years



The ornamental design for a jar or similar article, substantially as shown and described.

128,306
DESIGN FOR A COLLAR HOLDER
Charles Silverman, Providence, R. I.
Application March 26, 1941, Serial No. 99,901
Term of patent 14 years



The ornamental design for a collar holder, substantially as shown.

128,307
DESIGN FOR A COLLAR HOLDLER
Charles Silverman, Providence, R. I.
Application March 28, 1941, Serial No. 99,949
Term of patent 14 years





The ornamental design for a collar holder, substantially as shown.

128,308
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application June 23, 1941, Serial No. 101,613
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,309
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application June 26, 1941, Serial No. 101,667
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,310
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application June 26, 1941, Serial No. 101,668
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,311
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application June 26, 1941, Serial No. 101,669
Term of patent 3½ years



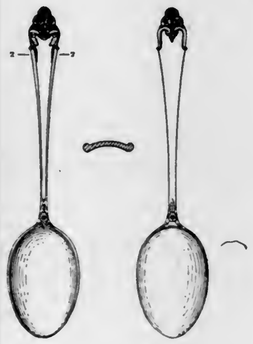
The ornamental design for a dress, substantially as shown.

128,312
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application June 26, 1941, Serial No. 101,670
Term of patent 3½ years



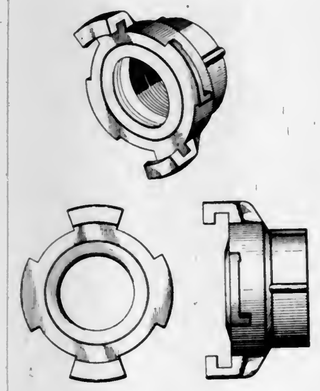
The ornamental design for a dress, substantially as shown.

128,313
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Theodore E. Cayer, Taunton, Mass.
Application May 21, 1941, Serial No. 101,077
Term of patent 14 years



The ornamental design for a spoon or similar article, as shown.

128,314
DESIGN FOR A COUPLING OR ANALOGOUS ARTICLE
John T. Kelly, Chicago, Ill.
Application March 1, 1941, Serial No. 99,277
Term of patent 14 years



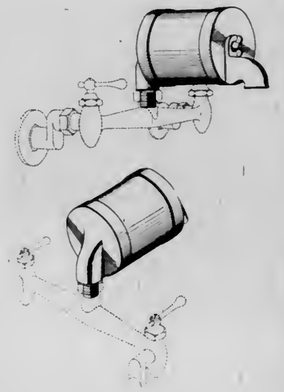
The ornamental design for a coupling or analogous article, as shown.

128,315
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application June 4, 1941, Serial No. 101,283
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

128,316
DESIGN FOR A COMBINED WATER FILTER AND FAUCET
Joseph T. Roffy, Los Angeles, Calif., assignor of one-half to Abraham Rothenberg, Los Angeles, Calif.
Application March 4, 1941, Serial No. 99,342
Term of patent 14 years



The ornamental design for a combined water filter and faucet, as shown and described.

128,317
DESIGN FOR A LAPEL BUTTON OR SIMILAR ARTICLE
Rose M. Rudde, St. Louis, Mo., assignor to Eisenstadt Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application November 2, 1940, Serial No. 96,269
Term of patent 14 years



The ornamental design for a lapel button or similar article, substantially as shown and described.

128,318
DESIGN FOR A DRESS
Frieda B. Saloff, New York, N. Y.
Application June 23, 1941, Serial No. 101,611
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,319
DESIGN FOR A DRESS
Frieda B. Saloff, New York, N. Y.
Application June 23, 1941, Serial No. 101,612
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,320
DESIGN FOR A HOUSE COAT
Nini Turcotte, New York, N. Y.
Application June 26, 1941, Serial No. 101,687
Term of patent 3½ years



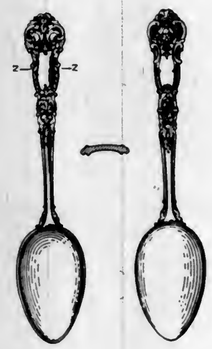
The ornamental design for a house coat, substantially as shown.

128,321
DESIGN FOR A SPOON OR SIMILAR ARTICLE
George L. Turner, Taunton, Mass.
Application May 21, 1941, Serial No. 101,078
Term of patent 14 years



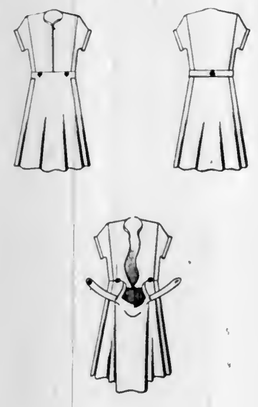
The ornamental design for a spoon or similar article, as shown.

128,322
DESIGN FOR A SPOON OR SIMILAR ARTICLE
George L. Turner, Taunton, Mass.
Application May 21, 1941, Serial No. 101,079
Term of patent 14 years



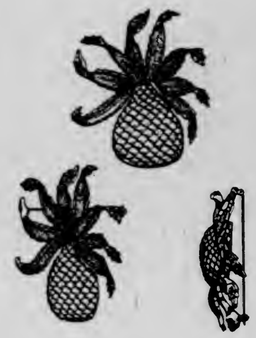
The ornamental design for a spoon or similar article, as shown.

128,323
DESIGN FOR A DRESS
Perkins H. Bailey, New York, N. Y.
Application October 17, 1940, Serial No. 95,904
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,324
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application April 8, 1941, Serial No. 100,249
Term of patent 3½ years



The ornamental design for a pin or similar article, substantially as shown.

128,325
DESIGN FOR A FUR SCARF OR SIMILAR ARTICLE
Samuel H. Dick, Brooklyn, N. Y.
Application June 4, 1941, Serial No. 101,273
Term of patent 3½ years



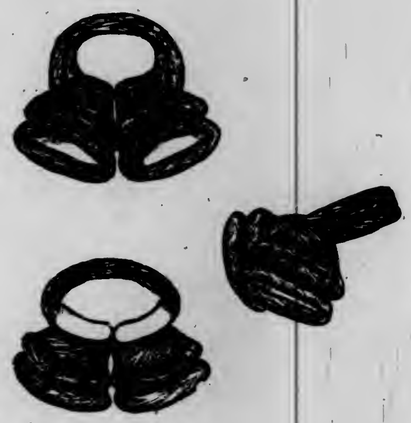
The ornamental design for a fur scarf or similar article, substantially as shown.

128,326
DESIGN FOR A COAT
Albert Rauch, New York, N. Y.
Application June 26, 1941, Serial No. 101,671
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,327
DESIGN FOR A COLLAR
Albert Rauch, New York, N. Y.
Application June 26, 1941, Serial No. 101,672
Term of patent 3½ years



The ornamental design for a collar, substantially as shown.

128,328
DESIGN FOR A COLLAR
Albert Rauch, New York, N. Y.
Application June 26, 1941, Serial No. 101,673
Term of patent 3½ years



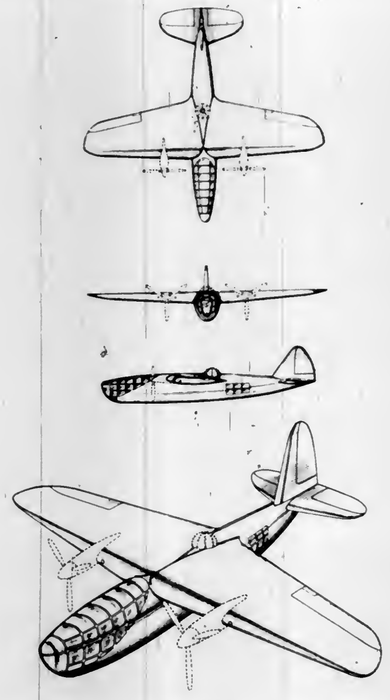
The ornamental design for a collar, substantially as shown.

128,329
DESIGN FOR A COAT
Charles Salerno, New York, N. Y.
Application June 21, 1941, Serial No. 101,586
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,330
DESIGN FOR AN AIRPLANE
Harold W. Case, Dayton, Ohio
Application October 18, 1939, Serial No. 87,713
Term of patent 7 years



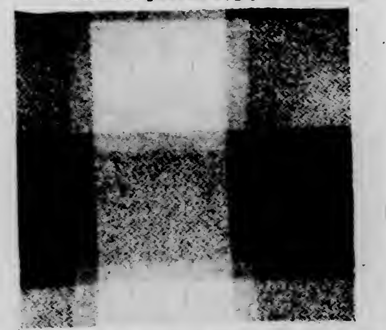
The ornamental design for an airplane, as shown and described.

128,331
DESIGN FOR A DRESS
H. Thomas Langbert, New York, N. Y.
Application June 21, 1941, Serial No. 101,588
Term of patent 3½ years



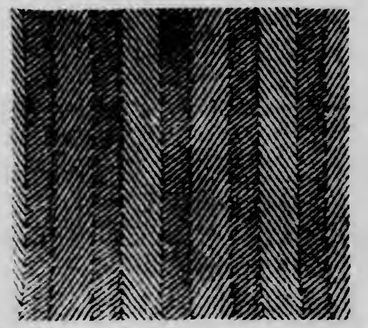
The ornamental design for a dress, substantially as shown.

128,332
DESIGN FOR A WOVEN TEXTILE FABRIC
George A. Niedner, New York, N. Y.
Application June 14, 1941, Serial No. 101,458
Term of patent 3½ years



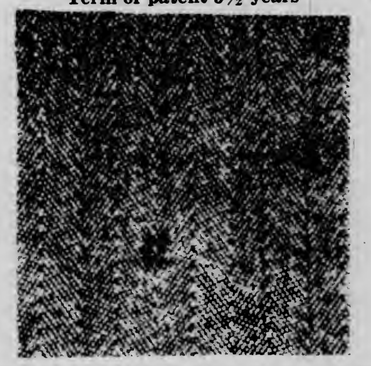
The ornamental design for a woven textile fabric, substantially as shown.

128,333
DESIGN FOR A WOVEN TEXTILE FABRIC
George A. Niedner, New York, N. Y.
Application June 14, 1941, Serial No. 101,459
Term of patent 3½ years



The ornamental design for a woven textile fabric, substantially as shown.

128,334
DESIGN FOR A WOVEN TEXTILE FABRIC
George A. Niedner, New York, N. Y.
Application June 14, 1941, Serial No. 101,460
Term of patent 3½ years



The ornamental design for a woven textile fabric, substantially as shown.

128,335
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application June 26, 1941, Serial No. 101,680
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,336
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application June 25, 1941, Serial No. 101,654
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,337
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application June 25, 1941, Serial No. 101,655
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,338
DESIGN FOR A DRESS ENSEMBLE
Helen Berry, New York, N. Y.
Application June 26, 1941, Serial No. 101,685
Term of patent 3½ years



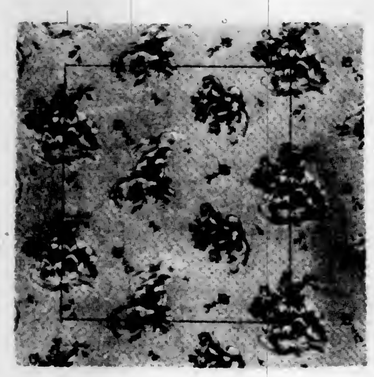
The ornamental design for a dress ensemble, substantially as shown.

128,339
DESIGN FOR A DRESS
Samuel Bloom, New York, N. Y.
Application June 23, 1941, Serial No. 101,618
Term of patent 3½ years



The ornamental design for a dress, as shown.

128,340
DESIGN FOR A TEXTILE FABRIC
Edward Frankel, New York, N. Y.
Application June 24, 1941, Serial No. 101,647
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

128,341
DESIGN FOR A DRESS ENSEMBLE
Winifred Hermann, Chicago, Ill.
Application June 26, 1941, Serial No. 101,682
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,342
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application June 26, 1941, Serial No. 101,684
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,343
DESIGN FOR A DRESS
Linda Iannicelli, New York, N. Y.
Application June 24, 1941, Serial No. 101,634
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,344
DESIGN FOR A DRESS
H. Thomas Langbert, New York, N. Y.
Application June 21, 1941, Serial No. 101,587
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,345
DESIGN FOR A DRESS
H. Thomas Langbert, New York, N. Y.
Application June 21, 1941, Serial No. 101,589
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,346
DESIGN FOR A DRESS
H. Thomas Langbert, New York, N. Y.
Application June 21, 1941, Serial No. 101,590
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,347
DESIGN FOR A DRESS ENSEMBLE
Jane Marchesa, Flushing, N. Y.
Application June 26, 1941, Serial No. 101,677
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,348
DESIGN FOR A DRESS ENSEMBLE
Murray Marve, New York, N. Y.
Application June 26, 1941, Serial No. 101,674
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,349
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application June 19, 1941, Serial No. 101,553
Term of patent 3½ years



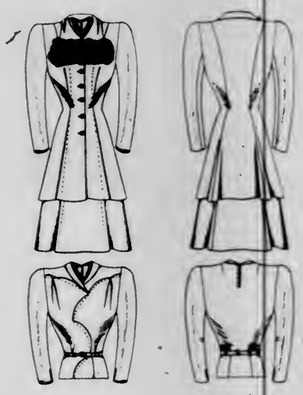
The ornamental design for a dress, substantially as shown.

128,350
DESIGN FOR A PIN OR SIMILAR ARTICLE
Maurice B. Peikin, New York, N. Y.
Application June 3, 1941, Serial No. 101,268
Term of patent 3½ years



The ornamental design for a pin or similar article, substantially as shown.

128,351
DESIGN FOR A DRESS ENSEMBLE
Mae Ponzio, Atlantic Beach, N. Y.
Application June 25, 1941, Serial No. 101,658
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,352
DESIGN FOR A DRESS
Mae Ponzio, Atlantic Beach, N. Y.
Application June 25, 1941, Serial No. 101,659
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,353
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application June 26, 1941, Serial No. 101,678
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,354
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application June 26, 1941, Serial No. 101,679
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,355
DESIGN FOR A DRESS
Samuel Salsky, Brooklyn, N. Y.
Application June 21, 1941, Serial No. 101,583
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,356
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application June 25, 1941, Serial No. 101,656
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,357
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application June 25, 1941, Serial No. 101,657
Term of patent 3½ years



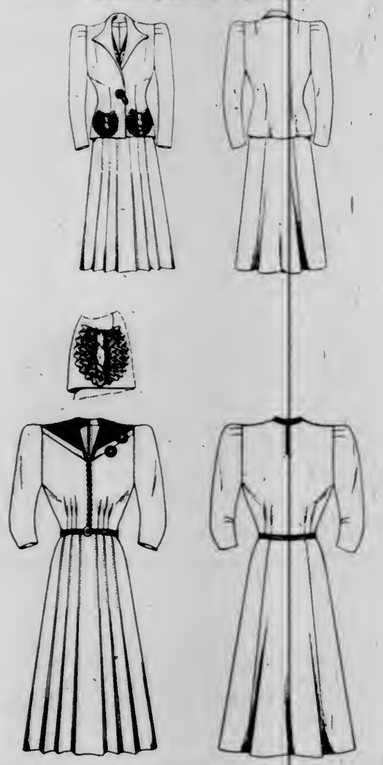
The ornamental design for a dress, substantially as shown.

128,358
DESIGN FOR A DRESS ENSEMBLE
Emmelia Wener, Chicago, Ill.
Application June 26, 1941, Serial No. 101,683
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,359
DESIGN FOR A DRESS ENSEMBLE
Malvina Wolff, New York, N. Y.
Application June 23, 1941, Serial No. 101,614
Term of patent 3½ years



The ornamental design for a dress ensemble substantially as shown.

128,360
DESIGN FOR A DRESS ENSEMBLE
Malvina Wolff, New York, N. Y.
Application June 23, 1941, Serial No. 101,615
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,360—Continued



The ornamental design for a dress ensemble, substantially as shown.

128,361
DESIGN FOR A DRESS ENSEMBLE
Winifred Hermann, Chicago, Ill.
Application June 26, 1941, Serial No. 101,681
Term of patent 3½ years



Patents Nos. 2,249,724 to 2,250,441

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 528—No. 4 TUESDAY, JULY 22, 1941 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF JULY 22, 1941	783
DRAWINGS	783
ADJUDICATED PATENTS	783
ADVERSE DECISIONS IN INTERFERENCE	783
DISCLAIMER	783
APPLICATIONS UNDER EXAMINATION	784
DECISIONS OF THE U. S. COURTS—	
Saunders *v.* Browne	785
In re Dowty	795
PATENT SUITS	797
TRADE-MARKS PUBLISHED (181 APPLICATIONS)	799
TRADE-MARK REGISTRATIONS GRANTED	820
TRADE-MARK REGISTRATIONS RENEWED	827
REISSUES	831
PLANT PATENTS	832
PATENTS GRANTED	833
DESIGNS	1003

JULY 22, 1941

Trade-marks	180	No. 388,958 to No. 389,137, inclusive.
T. M. Renewals	79	
Reissues	5	No. 21,860 to No. 21,864, inclusive.
Plant Patents	1	No. 479
Patents	718	No. 2,249,724 to No. 2,250,441, inclusive.
Designs	107	No. 128,362 to No. 128,468, inclusive.
Total	1,090	

Drawings

PRECAUTIONS TO BE OBSERVED IN FORWARDING DRAWINGS TO THE UNITED STATES PATENT OFFICE

Where drawings are to be filed in connection with an application for Letters Patent in the United States Patent Office, each sheet, before it can be accepted by the Office as a part of the application, must be signed in the name of the inventor at the lower right-hand corner, either by him or by an attorney whose written authorization from the applicant is filed in connection with the application. The signatures should never be written on a line parallel with the longer edges of the sheet, one of the shorter edges being always regarded, for the purpose of locating the signatures, as the lower edge of the sheet. The signatures must all be within the margin of the sheet and below the lines of the drawing. The title of the invention should be written with pencil on the back of each sheet of drawings.

When there are filed on the same day two or more applications by the same inventor, each of the documents and drawings belonging to the same application, should have placed thereon the same letter or number, which should be different from the letter or number placed upon those of any other of the applications.

It is desirable that all parts of the complete application, including the drawings, be deposited in the Office at the same time. Should, however, the other parts of the application be filed before the drawings are sent, the latter when forwarded should be accompanied by a letter stating the number of sheets inclosed, and that the drawings are to be filed with the other parts of the application, giving the date at which such other parts were filed in the Office, the name of the inventor, and title of the invention. If the application has received a serial number, that should also be given, and it should be indorsed with pencil on the back of each sheet of drawings. The letter should also state, if such be the case, that the new drawings are to be substituted for those previously filed.

Adjudicated Patents

(D. C. N. Y.) Ajello patent, No. 1,545,808, for safety device for aircraft, claim 8 *Held* not infringed. *Ajello v. Pan American Airways Corporation,* 38 F. Supp. 673.

(D. C. Calif.) Connelly patent, No. 1,579,518, for pneumatic-tire mold, claims 2 and 3 *Held* valid but not infringed. *Super Mold Corporation of California* v. *Bacon,* 38 F. Supp. 594.

(D. C. Calif.) Smith, Caulfield, and Peterson patent, No. 1,662,035, for retread mold for tires, claims 1, 5 to 7, and 13 *Held* valid but not infringed. *Id.*

(Ct. Cl.) Mauterer patent, No. 1,689,678, for method of making piles, claims 1 to 5 *Held* invalid. *Steel Union-Sheet Piling* v. *U. S.,* 38 F. Supp. 713.

(D. C. Calif.) Woock patent, No. 1,764,378, for tire retreading mold, claims 1 and 2 *Held* invalid. *Super Mold Corporation of California* v. *Bacon,* 38 F. Supp. 594.

(D. C. Calif.) Thorsen patent, No. 1,876,100, for tire vulcanizing machine, claims 19 and 20 *Held* invalid. *Id.*

(D. C. Calif.) Thorsen patent, No. 1,903,538, for tire vulcanizing machine, claim 9 *Held* invalid. *Id.*

(D. C. N. Y.) Haas patent, No. 1,964,911, for catamenial device, claim 1 *Held* valid but not infringed. *Tampax, Inc.,* v. *Personal Products Corporation,* 38 F. Supp. 663.

(D. C. N. Y.) Haas patent, No. 2,024,218, for catamenial device, claims 1, 2, and 3 *Held* invalid, and even if valid, not infringed. *Id.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,104,028, F. W. Dunmore, Aircraft blind landing beam system, decided April 28, 1941, claims 9, 10, 11, 12, and 29.

Pat. 2,222,182, W. D. Mounce and W. M. Rust, Jr., Earth impedance measuring device, decided June 27, 1941, claim 3.

Disclaimer

1,693,389.—*Dewey M. Kennedy* and *Benjamin H. Kennedy,* Rochester, N. Y. INFANT'S BATHTUB. Patent dated November 27, 1928. Disclaimer filed June 26, 1941, by the inventors, and the assignee, *Ann M. Kennedy.*

Hereby enter this disclaimer to claim 5.

Condition of Applications Under Examination at Close of Business July 5, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,172; Trade-Mark Division, 1,267. Oldest new case, Oct. 5, 1940; oldest amended, Oct. 11, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 9	Jan. 22	667
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Jan. 30	Jan. 27	535
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	May 5	May 5	440
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Mar. 31	Feb. 24	593
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 17	Mar. 10	400
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	†Dec. 12	†Dec. 16	1157
5725	7. JARBOE, C. G., Optics; Photography	Jan. 8	Jan. 16	942
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Jan. 6	Jan. 6	850
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Feb. 6	Feb. 21	662
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Feb. 15	Feb. 21	485
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 11	Mar. 6	389
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Jan. 9	Jan. 8	569
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 6	Jan. 3	469
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Mar. 15	Mar. 13	536
4807	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Jan. 8	Jan. 15	1090
5716	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 21	Feb. 8	546
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 18	Feb. 18	579
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 7	Feb. 13	469
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 19	Mar. 1	719
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 6	Feb. 14	466
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 5	Apr. 5	305
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Oct. 14	†Oct. 15	1542
7624	23. BUTTNER, W. J., Registers (part)	†Oct. 24	†Oct. 19	272
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 31	Jan. 21	873
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 10	Mar. 17	467
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Feb. 28	Mar. 4	428
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Jan. 30	Jan. 30	543
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Jan. 25	Feb. 1	389
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Jan. 4	Jan. 22	691
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 7	Mar. 5	517
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Jan. 27	Jan. 27	1343
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 10	Feb. 12	983
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Feb. 10	Feb. 14	1009
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	†Dec. 20	†Dec. 26	500
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Jan. 10	Jan. 4	1006
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Jan. 24	Feb. 6	524
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 15	Mar. 4	592
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Oct. 5	†Oct. 11	1230
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 25	Feb. 28	568
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	†Dec. 19	†Dec. 19	1766
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Feb. 3	Feb. 1	469
5882	42. CUTTING, H. O., Electric Signaling	Mar. 22	Mar. 27	357
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Jan. 6	Jan. 2	631
4087 B	44. HARVEY, L. P., Refrigeration	Jan. 9	Jan. 2	641
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Apr. 21	Mar. 31	322
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Feb. 11	Feb. 17	700
6082	47. KANOF, W. J., Clutches; Brakes	Mar. 7	Mar. 1	360
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Mar. 13	Mar. 14	506
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Jan. 10	Jan. 17	736
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Jan. 11	Jan. 11	1132
5628	51. RACKUS, C. D., Radiant Energy (part)	Apr. 15	Apr. 16	470
7709	52. KNOTTS, M. K., Supports; Chucks, Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Mar. 8	Mar. 20	635
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	†Dec. 16	†Dec. 11	865
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Jan. 15	Jan. 14	362
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Feb. 10	Feb. 5	326
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	†Dec. 6	†Dec. 6	1212
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	†Nov. 20	Mar. 15	155
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	†Dec. 12	Jan. 17	506
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Jan. 18	Jan. 13	975
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Feb. 7	Apr. 15	362
3724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 17	Mar. 24	295
5621	62. PUGH, E. C., Games; Geometrical Instruments	Apr. 11	Mar. 20	486
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	†Dec. 30	†Dec. 30	1049
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Apr. 12	Apr. 5	532
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Apr. 14	Apr. 10	328
99 B	Trade-Marks: F. A. RICHMOND	June 2	June 16	1267
2605	Designs: H. H. KALUPY	May 26	June 18	649

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

SAUNDERS *v.* BROWNE

No. 4,374. Decided February 17, 1941

[117 F.(2d) 547]

1. INTERFERENCE—ESTOPPEL.

Where in a three party interference, S *v.* B *v.* C. in which C the senior party took no testimony and priority was awarded to the juniormost party S, and no motions were brought, and a second interference between the same parties and a fourth party was declared before the final hearing in the first interference, and S moved for dissolution of the second interference as to B and C on the ground of estoppel for failure to move in the first interference under rule 109 to add the claim constituting the issue of the second interference, and the fourth party to the second interference was eliminated and the award of priority in the first interference was vacated and the two interferences consolidated, *Held* that since the award of priority to S in the first interference was vacated, S was not the winning party, and *Held* that his motion to dissolve was properly denied.

2. SAME—PRIORITY.

Evidence on priority reviewed and *Held* that the senior party B although the first to conceive the invention in issue, was the last to reduce it to practice and was not diligent during the critical period, and *Held* that priority should have been awarded to the junior party S.

APPEAL from Patent Office. Reversed.

Mr. George Rex Frye (*Messrs. Swan, Frye and Hardesty* of counsel for Saunders.

Mr. Joseph W. Milburn for Browne.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office reversing the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in the two counts in issue to appellant, Walter S. Saunders.

The interference is between appellant's application No. 2,249, filed January 17, 1935, and appellee's application No. 756,296, filed December 6, 1934.

Appellant is the junior party, and the burden was upon him to establish priority of invention by a preponderance of the evidence.

The invention in issue relates to adjustable sliding seat mountings, referred to in the record as "seat adjusters," for use on automobiles. Such seat adjusters are commonly used in association with the front seats of automobiles to permit ready adjustment of the seat to a position convenient for the driver.

The invention in issue is sufficiently defined in the involved counts which read:

1. In an adjustable seat including a supporting structure and a seat structure, means movably mounting said seat structure on said supporting structure including spaced downwardly opening channel-shaped members secured to said seat structure, each having registering openings in the opposite side walls thereof, and spaced rails secured to said supporting structure and having portions thereof projecting into a respective channel member, said portions having latch engaging means therein, anti-friction means for slidably supporting said channel shaped members on said rails, and latch mechanism extending across the space between said channel members and mounted in said registering openings for movement transversely of said seat structure to engage with the latch engaging means of said rails for latching said seat in selected positions of relative sliding adjustment.

2. A sliding seat mounting comprising a track member adapted to be secured to a floor and a slide member adapted to be secured to the bottom of a seat, said track being formed at its top with oppositely directed longitudinal flanges providing a bearing and guiding surface, one of said flanges having a longitudinal row of notches, said slide being of inverted channel-shaped cross-section and having inturned guide portions on the side walls engaging the flanges of said track, bearing means between said track and slide spacing the same from each other, a pair of registering openings in the side walls of said slide aligned transversely of the space between said track and said slide, a latch bar extending across the space and movably supported in said openings and manually operated means for moving said latch bar into and out of engagement with selected ones of said notches.

It will be observed that count 2 defines an adjustable sliding seat mounting comprising a track member adapted to be secured to the floor of the automobile, a slide member adapted to be secured to the bottom of the seat, bearing means between the track member and the slide member, latching means for releasably latching the seat in adjusted positions, and manually operated means for actuating the latch mechanism; whereas, count 1 includes two track members secured to the floor, two channel-shaped members secured to the seat, and "latch mechanism extending across the space between" the channel-shaped members. It will also be observed that count 2 is narrower than count 1 in that it more specifically defines the track member, slide member, and latch mechanism, and also calls for an element—manually operable means for actuating the latch mechanism—not specified in count 1.

The involved interference is a consolidation of two interferences—Nos. 72,345 and 73,947. Count 1 of the involved interference was the single count in issue in interference No. 73,947, and involved count 2 was the single count in issue in interference No. 72,345.

Interference No. 72,345 was declared March 12, 1936, between the applications of the parties here involved—Saunders and Browne—and a third party, Donald E. Crabb. No motions were presented during the motion period by any of the parties. Evidence was submitted by the parties Saunders and Browne, but the party Crabb submitted no evidence. Crabb, therefore, was confined to the filing date of his application there involved—November 7, 1934—for conception and constructive reduction to practice.

On July 21, 1937, the Examiner of Interferences held on the evidence submitted that the party Saunders had established that he conceived the invention defined by the count there in issue (count 2 of the involved interference) on August 12, 1933, and had actually reduced it to practice on February 15, 1934; that the party Browne had established that he conceived the invention "at least as early as May 31, 1933," and had actually reduced it to practice on March 24, 1934; and that, although the party Browne was the first to conceive the invention, he was the last to reduce it to practice,

and as he had failed to establish that he was diligent in reducing the invention to practice from immediately prior to the time the party Saunders entered the field—August 12, 1933—until he, Browne, had reduced the invention to practice—March 24, 1934—the party Saunders was entitled to an award of priority of invention.

On February 18, 1937, after the submission of the evidence in interference No. 72,345, but before the final hearing before the Examiner of Interferences in that case, another interference—No. 73,947—was declared between the applications of the parties, Saunders, Browne, and Crabb, involved in interference No. 72,345, and Arthur A. Buchner. On July 30, 1937, before the time had expired for the taking of an appeal by the party Browne from the decision of the Examiner of Interferences in interference No. 72,345, the party Saunders moved to dissolve the newly declared interference—No. 73,947—as to the parties Browne and Crabb, claiming that the count in that interference (involved count 1) was broader than the count in interference No. 72,345 (involved count 2), and that as he, Saunders, was the "winning party" in interference No. 72,345, and as none of the parties to that interference had moved during the motion period to include as an issue therein the broad subject matter defined in the count in interference No. 73,947, the parties Browne and Crabb were estopped from making a claim in interference No. 73,947 corresponding to the broad count there in issue.

On August 10, 1937, the party Browne appealed to the Board of Appeals from the decision of the Examiner of Interferences in interference No. 72,345 awarding priority of invention to the party Saunders. Whether the party Crabb appealed from the Examiner's decision in that interference does not appear from the record.

On August 11, 1937, the party Browne filed a motion in the Patent Office addressed to the Commissioner of Patents requesting that interference No. 72,345 be reopened for the submission of additional evidence, particularly the testimony of the party Crabb, who had not theretofore testified in the case. Among other things, it was stated in the motion that

> "Inasmuch as the same applications of the same parties to this interference are involved in another interference, No. 73,947, declared March 22, 1937 [the record, as hereinbefore noted, shows that that interference was declared February 18, 1937], including in addition the party Buchner and covering a single count containing subject matter akin to that of the count of the instant interference, the additional testimony requested by Browne could be taken at that time";

that is, at the time of the taking of testimony in the newly declared interference—No. 73,947.

In his decision of September 30, 1937, denying Browne's motion to take additional testimony, the Assistant Commissioner of Patents made no reference to the newly declared interference—No. 73,947. He stated, however, among other things, that—

> It is deemed obvious that if Crabb's omission to take testimony afforded a ground for permitting petitioner to take additional testimony he should have moved promptly for permission to do so. Instead, however, *he waited until his own testimony had been adjudged insufficient to support an award of priority and then, at the expiration of the limit of appeal,* filed the present motion. Such procedure on the part of petitioner is deemed in the nature of experimental prosecution which cannot be permitted in view of the unnecessary burden which it places on this Office and the other parties to the interference. [Italics not quoted.]

On November 5, 1937, the party Browne filed a request for reconsideration of the decision of the Assistant Commissioner denying his motion to reopen interference No. 72,345 and again called the Assistant Commissioner's attention to the fact that a new interference—No. 73,947—had theretofore been declared between the applications of the parties in interference No. 72,345 and that of Arthur A. Buchner, and stated that as it would be necessary to submit evidence in the newly declared interference, the reopening of interference No. 72,345 for the submission of additional evidence would not impose any unnecessary burden on the parties or on the tribunals of the Patent Office. The Assistant Commissioner's attention was there called to the fact that the party Buchner had "filed a formal abandonment of the subject matter in" interference No. 73,947.

It may be stated at this point that on October 13, 1937, the Examiner of Interferences, in accordance with rules 107 and 125 of the Rules of Practice in the United States Patent Office, entered judgment against the party Buchner, who had theretofore filed in the Patent Office a written abandonment of the invention defined by the single count in issue in interference No. 73,947—count 1 of the involved interference.

On November 22, 1937, the Primary Examiner denied the party Saunders' motion to dissolve interference No. 73,947, stating in his decision that, although the Examiner of Interferences had decided interference No. 72,345 in favor of the party Saunders, his decision was not final and in fact an appeal had then been taken therefrom to the Board of Appeals by the party Browne; that none of the parties in interference No. 72,345 had moved to add additional counts to that interference; that, therefore, "under normal circumstances" each would have been estopped "from moving for an additional contest on any issue which could have been decided in such interference"; that interference No. 73,947 was declared by the Primary Examiner owing to the fact that the party Buchner could make a claim corresponding to the count there in issue; that such action (the declaration of the interference) on the part of the Primary Examiner "removed any estoppel which might otherwise have existed as to that count" (citing *In re Chase*, 21 C. C. P. A. (Patents) 1183, 447 O. G. 997, 71 F.(2d) 178); and that the fact that the party Buchner had theretofore been eliminated did not "warrant the dissolution of the interference without a consideration by the Examiner of Interferences."

On December 18, 1937, the Assistant Commissioner of Patents granted the motion of the party Browne to reopen interference No. 72,345 for the purpose of taking additional testimony, vacated the decision of the Examiner of Interferences awarding priority of invention to the party Saunders, and ordered that the interference be consolidated with interference No. 73,947. The Assistant Commissioner stated in his decision that neither Saunders nor Crabb opposed the party Browne's motion to reopen; that the party Browne has pointed out

> "that the applications here involved are also involved in companion interference No. 73,947 which originally *included a fourth party* [the party Buchner] *who has now been eliminated,* and that the times for taking testimony in that interference have not yet been reached";

that the reopening of the case would not impose any unnecessary burden on either the parties to the interference or the Patent Office; and that the request of the party Browne to reopen the interference appeared to be reasonable, owing to the fact that that interference "would as a matter of course be consolidated with interference No. 73,947." [Italics ours.]

Thereafter on December 31, 1937, the party Browne's appeal in interference No. 72,345 was dismissed by the Board of Appeals, the Board stating that its action was taken

> "in view of the decision of the First Assistant Commissioner, of December 18, 1937, vacating the decision from which appeal was taken."

On January 5, 1938, the Examiner of Interferences consolidated interferences Nos. 72,345 and 73,947, and stated that the consolidated interference should bear the number 73,947.

It appears from the record, therefore, that at the time (December 18, 1937) the Assistant Commissioner of Patents reopened interference No. 72,345, vacated the decision of the Examiner of Interferences awarding priority of invention of the subject matter defined in the single count there in issue (count 2 of the involved interference) to the party Saunders, and ordered that that interference be consolidated with interference No. 73,947, the party Buchner had been eliminated from interference No. 73,947, and that the parties and the applications involved in the latter interference were the same as those involved in interference No. 72,345.

The record in the involved consolidated interference contains the evidence introduced by the parties Browne and Saunders in interference No. 72,345, as well as additional evidence introduced by each of them. No evidence was submitted by the party Crabb, and he was, therefore, confined to the filing date of his application (November 7, 1934) for conception and constructive reduction to practice.

In his decision in the involved consolidated interference, the Examiner of Interferences stated that since there was no new evidence introduced relative to the party Saunders' motion to dissolve interference No. 73,947 on the ground of estoppel, he was precluded by rule 130 of the Rules of Practice in the United States Patent Office then in force from passing on that issue. The Examiner reviewed the evidence in the case, and held that the party Saunders had established that he conceived the invention defined by the counts here in issue as early as August, 1933, and had successfully reduced it to practice as early as December, 1933; that the party Browne had established that he conceived the invention on May 31, 1933, and had successfully reduced it to practice on March 24, 1934; that the party Browne had failed to establish diligence in reducing the invention to practice during the critical period, and, accordingly, awarded priority of invention to the party Saunders.

The party Browne appealed to the Board of Appeals from the decision of the Examiner of Interferences. The party Crabb, however, took no appeal from that decision.

Relative to the doctrine of estoppel invoked by the party Saunders in his motion to dissolve interference No. 73,947, the Board of Appeals, in its decision, stated that none of the parties to the original interference, No. 72,345, had moved in that interference to include therein the subject matter of count 1 of the consolidated interference; that none of those parties was responsible for the declaration of interference No. 73,947; that the Primary Examiner had suggested to the parties the claim corresponding to involved count 1 (the single count in interference No. 73,947) after finding it allowable in the party Buchner's application, and declared interference No. 73,947; that the principles announced in the decisions of this court in the cases of *Avery* v. *Chase*, 26 C. C. P. A. (Patents) 823, 101 F.(2d) 205, 502 O. G. 875, and *Dirkes et al* v. *Eitzen*, 26 C. C. P. A. (Patents) 1198, 103 F.(2d) 520, 507 O. G. 507, (apparently relied upon by counsel for the party Saunders) were not applicable to the issues raised by the motion to dissolve, and held that the party Browne was not estopped to contest with the party Saunders priority of the invention defined in that count. The Board reviewed the evidence submitted by the parties, and sustained the findings of the Examiner of Interferences that the party Saunders had established conception of the invention as early as August, 1933, and successful reduction to practice as early as December of that year, and that the party Browne had established conception on May 31, 1933. The Board held, however, that the party Browne had established that he reduced the invention to practice at least as early as September 21, 1933; that he was the first to conceive and the first to reduce to practice, and was, therefore, entitled to an award of priority of invention. The Board also stated in its decision that, for the purpose of appeal, it had considered the question of diligence on the part of the party Browne and found that he was diligent in reducing the invention to practice "from August, 1933, to March, 1934," and, accordingly, awarded priority of invention to Browne.

That the practical utility of a seat adjuster embodying the involved invention could be ascertained only by attaching it to the front seat of an automobile and testing it under actual operating conditions of the automobile in order to ascertain whether it would withstand the strains and stresses incident to its use thereon, is not questioned here by either of the parties. Nor does either party to this interference question the correctness of the holdings of the tribunals of the Patent Office that appellant conceived the invention as early as August, 1933, and successfully reduced it to practice in December

of that year, and that appellee conceived the invention on May 31, 1933.

[1] It is contended, however, by counsel for appellant, as it was before the tribunals of the Patent Office, that appellee is estopped from contesting in this interference the issue of priority of the invention defined in count 1, because, it is argued, none of the parties in interference No. 72,345, in which involved count 2 was the single count in issue, moved, during the motion period, in accordance with rule 109 of the Rules of Practice in the United States Patent Office, to include in that interference the broad subject matter of involved count 1; that appellant was the "winning party" in interference No. 72,345; and that, therefore, he was the only party involved in that interference who was entitled to contest the issue of priority of the invention defined in count 1 with the party Buchner in interference No. 73,947.

As hereinbefore stated, at the time appellant filed his motion to dissolve interference No. 73,947 he had received a favorable decision from the Examiner of Interferences in interference No. 72,345, but the time for filing an appeal by appellee in that interference had not expired. Thereafter, appellee appealed from the Examiner's decision to the Board of Appeals. Subsequently, the Assistant Commissioner of Patents, without objection by appellant, reopened interference No. 72,345 for the purpose of taking additional testimony, vacated the decision of the Examiner of Interferences, and ordered that that interference be consolidated with interference No. 73,947. It is evident, therefore, that appellant was not the "winning party" in interference No. 72,345. Furthermore, at the time the Primary Examiner declared interference No. 73,947, each of the parties in interference No. 72,345 was in precisely the same situation, each by failing to move during the motion period, in accordance with rule 109, supra, to bring into interference No. 72,345 the subject matter involved in interference No. 73,947, was thereafter estopped from bringing into the former interference the subject matter involved in the latter [*In re Austin*, 17 C. C. P. A. (Patents) 1202, 40 F.(2d) 756, 399 O. G. 625; *In re Shimer*, 21 C. C. P. A. (Patents) 979, 69 F.(2d) 556, 446 O. G. 5], and each, by failing to act in accordance with the provisions of rule 109, elected to abide by the final decision in interference No. 72,345, not only as to the subject matter there directly involved but also as to all common subject matter disclosed in their respective applications which might have been presented and the rights of the parties thereto determined in that interference. Accordingly, a final decision in interference No. 72,345 would have determined the rights of the parties both as to the subject matter there directly involved and the subject matter involved in interference No. 73,947. *Blackford* v. *Wilder*, 28 App. D. C. 535, 127 O. G. 1255; *Horine* v. *Wende*, 29 App. D. C. 415, 129 O. G. 2858; *Carroll* v. *Hallwood*, 31 App. D. C. 165, 135 O. G. 896; *In re Marconi*, 38 App. D. C. 286, 179 O. G. 577; *The New Departure Manufacturing Company* v. *Robinson*, 39 App. D. C. 504, 188 O. G. 1055; *Cross* v. *Rusby*, 42 App. D. C. 341, 204 O. G. 321; *In re Cutler*, 48 App. D. C. 444, 261 O. G. 801; *In re Dement*, 49 App. D. C. 261, 263 Fed. 813, 274 O. G. 203; *In re Wasserfallen*, 54 App. D. C. 367, 298 Fed. 826, 328 O. G. 7; *In re Ellis et al.*, 18 C. C. P. A. (Patents) 1060, 47 F.(2d) 963, 409 O. G. 559; *In re Brasheres*, 22 C. C. P. A. (Patents) 873, 74 F.(2d) 751, 455 O. G. 264; *E. I. Du Pont De Nemours & Co.* v. *Coe*, 67 App. D. C. 42, 89 F.(2d) 679, 476 O. G. 243; *Anderson* v. *Shaw*, 24 C. C. P. A. (Patents) 951, 87 F.(2d) 903, 483 O. G. 466; *Avery* v. *Chase*, supra. The Primary Examiner's declaration of interference No. 73,947 on his own motion does not make inapplicable the principles hereinbefore stated. *Avery* v. *Chase*, supra. However, as hereinbefore noted, there had been no final decision in interference No. 72,345 while Arthur A. Buchner was a party to interference No. 73,947. Accordingly, both Saunders and Browne were proper parties to interference No. 73,947, and each was entitled to contest with the party Buchner the issue of priority of invention of the subject matter of the count there involved. Had the party Buchner won interference No. 73,947, that would have ended the matter so far as the count there involved was concerned, but as he was eliminated from that interference prior to the time interference No. 72,345 was reopened and the decision of the Examiner of Interferences vacated, it would seem that instead of reopening the latter interference and consolidating it with interference No. 73,947, for the reasons assigned by the Assistant Commissioner of Patents, it would have been more in conformity with proper procedure had interference No. 73,947 been dissolved as to all of the parties remaining in the interference, in which event priority of invention of the subject matter there involved would have been determined by a final decision in interference No. 72,345. However, as that question was not raised in appellant's motion to dissolve interference No. 73,947 and as it has not been raised in this court by appellant's reasons of appeal, it is not before us for consideration.

We hold, therefore, that appellant's motion to dissolve for the reasons stated therein was properly denied.

[2] The evidence which the Board of Appeals held established that appellee had reduced the invention to practice as early as September 21, 1933, and upon which counsel for appellee here rely as being sufficient to warrant the Board's decision in that regard, consists of the testimony of appellee's witnesses Luther A. Menges and Donald E. Crabb (formerly a party in the interference), certain letters (Exhibits K, K—1, K—2, K—4, K—5, K—6, K—7, K—8, K—9, K—10, O, P, P—4, P—5, P—6, P—7, P—8, P—9, P—10, P—11, P—12, and P—13) written by Crabb to appellee's assignee (the Mechanical Devices Corporation of America, located at Buffalo, N. Y.), copies of so-called "report sheets" of the Chrysler Corporation (identified in the record as Exhibits M, M—1, and M—2), and Exhibit J, a physical exhibit, which, it was held by each of the tribunals of the Patent Office, embodies the invention here in issue.

It appears from the record that six devices corresponding to Exhibit J were produced for appellee by the McCauley Metal Products Company in May, 1933, and it is claimed here by counsel for appellee that Exhibit J was tested and found to be successful by employees of the Chrysler Corporation during the summer and fall of 1933, and that a device similar thereto was tested and found to be successful by the witness Donald E. Crabb.

The witness Menges testified that he was employed in the engineering department of the Chrysler Corporation; that during the years 1933 and 1934 he was working in an experimental department where various devices were developed and tested; that a device similar to Exhibit J was submitted to the department in which he was working by the Mechanical Devices Corporation; that he supervised the installation of such device on one of the Chrysler test cars, identified on Exhibit M as car No. 468; that immediately after the device was installed and before the car was turned over to the driver for test purposes, he tested the device and that it operated to adjust and lock the seat in different positions of adjustment; and that he again tested "the seat on which this seat adjuster was mounted after it had been through *some milcage test*." [Italics ours.]

"And will you tell us, did the seat perform properly in *so far as the adjustment of it to different positions was concerned?*" he said, "To the best of my knowledge, yes." [Italics ours.]

The witness identified Exhibit M as being a copy of a record sheet in the experimental department of the Chrysler Corporation of body work performed on car No. 468 during the period from May 25, 1933, to August 3, 1933, and Exhibits M—1 and M—2 as being similar records for car No. 478 from June 26, 1933, to August 1, 1933, as indicated on Exhibit M—1, and from December 20, 1933, to January 5, 1934, as indicated on Exhibit M—2. The witness also stated that Exhibits M, M—1, and M—2 showed the speedometer readings when devices were installed and when they were removed. His attention was called to the statement on Exhibit M that, under date of July 8, 1933, appellee's seat adjuster was removed from car No. 468 "(To give the Experimental Adjuster by Mechanical Devices Corporation more mileage) (Pullar)," and was asked how that seat adjuster compared with appellee's Exhibit J, and he replied: "*I do not recall.*" [Italics ours.]

It may be stated at this point that it appears from Exhibit M—1 that the seat adjuster removed from car No. 468 on July 8, 1933, was, on that date, installed on car No. 478.

On cross-examination the witness Menges stated that he did not know who had driven cars Nos. 468 and 478 while appellee's seat adjuster was being tested, and that the names appearing immediately below the items of interest here on Exhibits M, M—1, and M—2 identified the men who had done the work mentioned or who were in charge of such work; that Mr. Pullar, whose name appears on those exhibits was a representative of the engineering department; that Mr. Thomas, whose name appears under the item dated December 21, 1933, "Removed special Seat Adjuster installed as per Mr. Menges" on Exhibit M—2, was one of the Chrsyer Corporation workmen; that tests were made on appellee's seat adjusters after September 21, 1933; that, although he had not seen them, the report sheets of those tests were at the Chrysler Corporation's "plant" (those report sheets were not introduced in evidence); that he could not recall the number of appellee's seat adjusters tested by the Chrysler Corporation, nor how they differed, if at all, in construction; that he was not in charge of the testing of appellee's seat adjusters prior to December, 1933, but that he was in charge of the testing of appellee's Exhibit J during the month of December; and that the "special Seat Adjuster," referred to on Exhibit M—2 as having been removed on December 21, 1933, was the seat adjuster installed on car No. 478 on July 8, 1933.

It is a strange circumstance that, although the witness Menges testified that he was in charge of the testing of appellee's Exhibit J during the month of December, 1933, and that the exhibit was removed from the test car on the 21st day of that month, he was not asked to describe the condition of that seat adjuster at the time of its removal, nor was he asked to state whether or not it operated successfully.

It appears from the testimony of the witness Menges and from Exhibits M and M—1 that a device similar in construction to Exhibit J was installed on experimental car No. 468 on May 29, 1933; that it was removed on July 8, 1933, and, as stated on Exhibit M over the name "Pullar," was placed on car No. 478 "to give the device more mileage"; and that at the time of its removal from car No. 468, according to the speedometer readings, it had been given a "mileage test" of 1,166 miles. So, it would seem that at that time Mr. Pullar, an engineer and apparently in charge of the test, who was not called as a witness, was not entirely satisfied with appellee's seat adjuster.

The only information to be obtained from Exhibit M—1 is that appellee's seat adjuster formerly on car No. 468 was installed on car No. 478, at which time the speedometer mileage reading was 12,679, and that it was removed from that car at a speedometer mileage reading of 24,266. The date of its removal is not stated on that exhibit.

It appears from Exhibit M—2 that, under date of December 21, 1933, over the name "Thomas," a "special Seat Adjuster installed as per Mr. Menges" was removed from car No. 478.

It will be recalled that the special seat adjuster removed from car No. 478 on December 21, 1933, was stated by the witness Menges to be Exhibit J, *although according to notation appearing on a paper tag attached to the exhibit*, in handwriting unfamiliar to appellee and his witnesses Menges and Crabb, *Exhibit J was "Removed from car #478 8/12/33. To be replaced."* [Italics ours.] (Appellee testified that the tag had probably been attached to the exhibit by an employee of the Chrysler Corporation.)

There is nothing on Exhibits M—1 and M—2 to indicate that Exhibit J was ever again installed on car No. 478, nor is there anything of record, except the uncorroborated statement of the witness Menges, to indicate that it was removed from that car on December 21, 1933. Furthermore, it appears from Exhibit M—2 that the seat adjuster removed on that date was apparently removed at a speedometer mileage reading of 12,634, and there is nothing on the exhibit to indicate the mileage reading at the time it was installed. How Exhibit J, which was removed from car No. 478 at a speedometer reading of 24,266 could have been thereafter installed on the same car at a mileage reading of 12,634 is not explained, nor is it explained why the paper tag bearing the notation "Removed from car, #478" on August 12, 1933, is now attached to Exhibit J if that exhibit was again attached to car No. 478 and tested thereon in December of that year.

In view of the fact that the witness Menges testified that, although he supervised the installation of appellee's seat adjuster which was similar to Exhibit J on car No. 468, he could not recall how the seat adjuster which was removed from car No. 468 and installed on car No. 478 on July 8, 1933, compared with Exhibit J, and in view of the other related circumstances, we are unable to hold that the uncorroborated testimony of that witness is sufficient to establish that the seat adjuster removed from car No. 478 on December 21, 1933, was either Exhibit J or a device embodying the invention here involved.

It will be recalled that the witness Menges testified that after a device similar to Exhibit J was installed on the front seat of car No. 468, and before the car was turned over to the driver for test purposes, he tested the device and found that it operated to adjust and lock the seat in different positions of adjustment. It is *not* contended here that that testimony of the witness Menges is sufficient to warrant a holding that the device was successfully reduced to practice. It *is contended* by counsel for appellee, however, that the testimony of the witness that he tested the seat adjuster "after it had been through *some mileage test*," and that "*to the best*" of *his* "*knowledge*" (he probably meant to the best of his recollection) the device performed properly "in so far as the adjustment of it to different positions was concerned" is sufficient to establish a successful reduction to practice. [Italics ours.]

The witness Menges did not state positively that the seat adjuster performed properly after it had been "through some mileage test," nor did he refer to the condition of the device at that time. When asked to state how far the car had been driven when he tested the device, the witness said that he did not recall the mileage, but that it was probably over a thousand miles "because they run a thousand miles in a day or two." Apparently the witness meant to be understood as saying that he operated the seat adjuster within a day or two after it was installed on car No. 468. It appears, however, from Exhibit M that that seat adjuster had not been given any "mileage test" for at least two days after it was installed on car No. 468. It further appears from that exhibit that on June 12, two weeks after the seat adjuster was installed on car No. 468, it had received a "mileage test" of only 317 miles; that on June 16 it had received a "mileage test" of 943 miles; that on July 8, five weeks after it was installed, it had received a "mileage test" of only 1,166 miles; and that during the five-weeks' period from May 29 to July 8, it had received an average daily mileage test of approximately 41 miles. It is evident, therefore, that the witness was merely guessing when he stated that the car had probably been driven over a thousand miles when he tested the seat adjuster within a day or two after it was installed on car No. 468. Furthermore, it clearly appears from Exhibit M that on July 8, 1933, after the seat adjuster had been given a mileage test of 1,166 miles on car No. 468, it was removed from that car and installed on car No. 478 for the purpose of giving it "more mileage," and it is evident that at that time Mr. Pullar, who apparently was in charge of testing the device, was not entirely satisfied with its performance. Accordingly, we are unable to hold that the uncorroborated testimony of the witness Menges is sufficient to establish a successful reduction to practice of either Exhibit J or a device similar thereto.

It further appears from the record that appellee is a sales engineer in the employ of his assignee the Mechanical Devices Corporation of America, located at Buffalo, N. Y., and that the witness Donald E. Crabb, formerly a party to this interference, was also associated with appellee's assignee as a "commission salesman" during the year 1933 and until July, 1934.

The witness Crabb testified that he submitted several of appellee's seat adjusters to the Chrysler Corporation for testing purposes during the year 1933, and that he assisted in the installation of one of those devices in the spring of that year. However, he was unable to recall the structure of the device he helped to install. He did not testify that any of appellee's seat adjusters submitted by him to the Chrysler Corporation for testing purposes embodied the invention defined in the appealed counts. The witness identified the letters written by him to appellee's assignee during the period from May, 1933, to February, 1934. It is unnecessary that the contents of those letters be here fully set forth. It is sufficient to say that some of the letters refer to tests being made of seat adjusters by the Chrysler Corporation during the months of June, September, and November, 1933. There is no statement in any of those letters that tests were being performed during the months of July, August, October, and December of that year.

In a letter, dated June 5, 1933 (Exhibit K—1), Crabb wrote to appelee's assignee that the "outfit [not described]" then being tested by the Chrysler Corporation was "working pretty well." He further stated that

"they [the Chrysler employees] only had about 800 miles on the job and want to run out a couple of thousand, which will be this week end, before making a further examination";

whereas, it appears from Exhibit M that on June 12, 1933, seven days after Exhibit K—1 was written, the seat adjuster on car No. 468 had apparently been tested for a distance of only 317 miles. In a letter dated June 30, 1933 (Exhibit K—2), Crabb wrote to appellee's assignee that

"Jack Pullar reports our seat adjuster [not described] still performing perfectly on the test job."

In a letter dated September 21, 1933 (Exhibit K—8), the date awarded appellee for successful reduction to practice by the Board of Appeals, Crabb wrote to appellee's assignee that the seat adjuster (not described) then being tested by the Chrysler Corporation was not satisfactory to Hottell, who apparently was in charge of the testing of that device. We quote from that exhibit as follows:

"Regarding the ¾" ball tracks, he [Hottell] has not taken them off the job, but I insisted that we should have an opportunity to repair them with heavier top sections. • • • Hottell says he can't experiment further at this time, but he is far from the final authority."

There is no reference in any of the Crabb letters to any other tests being made during September or October, 1933. On November 6, 1933, Crabb stated in Exhibit P that

"The job [not described] is installed and is working beautifully. Menges is satisfied and will go to bat for us in the morning."

(It will be recalled that the witness Menges testified that the adjuster removed from car No. 478 on December 21, 1933, was the one installed on that car on July 8 of that year. He did not refer in his testimony to the installation of any device on a test car in November, 1933.)

It appears from Exhibit P—1 that on October 16, 1933, Crabb wrote the Chrysler Corporation quoting prices on "variations of seat adjusting units." When asked whether the device referred to in that exhibit operated like the seat adjuster which was installed on a Chrysler car in May 1933—Exhibit J—he said, "I couldn't say." He also stated that he could not be positive that it was not similar to Exhibit J because "various samples" had been "submitted" to the Chrysler Corporation (for what purpose, he did not state). It further appears from the Crabb letters dated June 5, June 30, September 21, and November 6, 1933, Exhibits K—1, K—2, K—8, and P, respectively, that some type or types of seat adjusters of appellee's assignee were being tested by the Chrysler Corporation. However, Crabb testified that he did not recall what type or types were referred to therein, and there is nothing of record to establish that they embodied the invention here involved.

Although the statements contained in the letters written by Crabb to appellee's assignee relative to reports alleged to have been made to Crabb regarding the operation of appellee's seat adjusters are clearly hearsay, their competency is not challenged here either in the reasons of appeal or in the brief of counsel for appellant. Accordingly, we have considered them as though properly admissible in evidence. See *United States* v. *Toledo Museum of Art*, 25 C. C. P. A. (Customs) 373, 381, and the cases of *Diaz* v. *United States*, 223 U. S. 442, and *Spiller* v. *Atchison, Topeka & Sante Fe Railway Company*, 253 U. S. 117 therein cited.

In view of the fact that the Chrysler Corporation kept records of the installation and removal of appellee's seat adjuster—Exhibit J—in their test cars—Nos. 468 and 478—during May, June, and July, 1933, it is fair to presume that had any of appellee's seat adjusters been installed in any of the Chrysler Corporation cars for test purposes during the months of September, October, November, and December, 1933, the Chrysler Corporation records would have disclosed such fact. However, with the exception of a report sheet from December showing the removal of a special seat adjuster "installed as per Mr. Menges," which seat adjuster the witness Menges stated, as hereinbefore noted, was Exhibit J, no such report sheets were introduced in evidence. Nor does the witness Menges or any other of appellee's witnesses corroborate any of the statements contained in the Crabb letters that any of appellee's assignee's seat adjusters were being tested by the Chrysler Corporation after the removal of Exhibit J from car No. 478 on August 12, 1933, except the testimony of the witness Menges regarding the removal of what he stated was Exhibit J on December 21, 1933.

The witness Crabb testified that, with the exception of some changes made by him in the "latch construction," he installed a seat adjuster similar to Exhibit J on the front seat of his own car sometime in June, 1933, and that he operated the device on his car several times a day over a period of about three months. We quote from the testimony of the witness regarding the performance of that seat adjuster as follows:

Q. 82. How did it perform from the standpoint of operation?

A. It required a lot of repair work to keep the tracks on my own car in operating condition.

Q. 83. Would it adjust the seat as required of it at such times as you wanted to adjust the seat?

A. As I recall, the tracks were very loose, and required quite a bit of tinkering to get them to remain in locked position.

Obviously, that testimony, which is not inconsistent with the statements contained in the Crabb letters, is insufficient to warrant a holding that a seat adjuster embodying the involved invention was successfully reduced to practice.

In his letters of October 28, October 31, November 6, November 8, and November 10, 1933, Exhibits P—5, P—6, P, P—7, and P—8, respectively, Crabb referred to seat adjusters for the Ford Motor Company. When asked as to whether those seat adjusters were similar in construction to appellee's Exhibit J—3, a device embodying the involved invention and similar to a seat adjuster sold to the Ford Motor Company on March 24, 1934 (the date awarded appellee by the Examiner of Interferences for reduction to practice), the witness stated that he did not recall the precise construction of the devices referred to in those letters, but that to the best of his recollection it was in the early part of January, 1934, when he submitted a seat adjuster to the Ford Motor Com-

pany similar in construction to appellee's Exhibit J—3.

There is no evidence of record as to what tests, if any, were given the seat adjusters sold to the Ford Motor Company in March, 1934, except the testimony of appellee Browne that he tested such a device in the Ford Motor Company's factory at Buffalo, N. Y., sometime, apparently in the winter of 1934, although he did not state when.

It is evident from what has been said that the evidence of record is wholly insufficient to establish that appellee reduced the involved invention to practice prior to March, 1934, or that he was diligent in reducing the invention to practice during the critical period from August to the date awarded appellant for successful reduction to practice—December, 1933.

We must hold, therefore, that although appellee was the first to conceive the involved invention, he was the last to reduce it to practice, and that as he was not diligent during the critical period, he is not entitled to an award of priority of invention.

We may say in conclusion that, although it appears from the testimony of the witness Menges that at least some of the employees of the Chrysler Corporation who either had charge of the testing of appellee's seat adjusters or actually tested them were in the employ of the Chrysler Corporation in Detroit, Mich., at the time the testimony of the witnesses Menges and Crabb was taken in that city, they were not called to testify and no explanation is offered by appellee as to why they were not.

We are of opinion, as was the Examiner of Interferences, that appellant is entitled to an award of priority of the invention defined in the counts in issue.

For the reasons stated, the decision of the Board of Appeals, reversing the decision of the Examiner of Interferences and awarding priority of the involved invention to appellee, is reversed.

Reversed.

GARRETT, *P. J.*, (specially concurring):

As indicated by my concurrence in the dissenting opinion of Judge Bland in the case of *Avery* v. *Chase*, 26 C. C. P. A. (Patents) 823, 836, 101 F.(2d) 205, 502 O. G. 875, I am in general agreement with his views respecting the so-called doctrine of estoppel in patent proceedings, and the views which he here expresses upon that subject are in harmony with those there expressed by him, and I again concur in such views.

While I do not regard the discussion of estoppel as being essential to the decision, I realize the case was presented to us in a manner which led the majority to think otherwise, and I make no criticism of their action in that respect. I concur in the conclusion reached upon the merits.

BLAND, J., (specially concurring):

I concur in the conclusion reached by the majority. I write a separate opinion only for the purpose of calling attention to certain aspects of the so-called estoppel issue therein decided. My views and those of my associate, Presiding Judge Garrett, on the doctrine of estoppel in general as applying to the Patent Office were expressed at some length in *Avery* v. *Chase*, 26 C. C. P. A. (Patents) 823, 101 F.(2d) 205, 502 O. G. 875, and *Dirkes et al.* v. *Eitzen*, 26 C. C. P. A. (Patents) 1198, 103 F.(2d) 520, 507 O. G. 507. I also expressed my individual views on another phase of the doctrine in *In re Rhodes*, 23 C. C. P. A. (Patents) 816, 80 F.(2d) 525, 464 O. G. 712.

The doctrine of estoppel to which reference is here made was, to the best of my knowledge, first applied in Patent Office matters in *Blackford* v. *Wilder*, 28 App. D. C. 535, 127 O. G. 1255, by the Court of Appeals of the District of Columbia (now the United States Court of Appeals for the District of Columbia). It was there said:

> • • • Applying the well-settled principle of estoppel by judgment, before stated, it follows inevitably that the final decision in the first interference is conclusive, unless it can be made to appear that the question upon which the determination of the second case rests is one that neither was nor could have been presented and determined in the first case.

The doctrine applied there was an old one—legal estoppel, arising from matter of record (Black's Law Dictionary, Third Edition, page 688)—and the novelty of the decision was that it made the doctrine apply to claims of a losing party in a Patent Office interference proceeding. The decision was sound and has been approved many, many times. It did nothing more than apply the old and well-known doctrine of estoppel based upon res judicata.

In addition to the so-called legal estoppel arising from res judicata, the doctrine of estoppel in pais is an old one, having been frequently applied by the courts long before application was made of it to patent matters. The Supreme Court of the United States in *Dickerson* v. *Colgrove*, 100 U. S. 578, 580, commented on this doctrine as follows:

> The estoppel here relied upon is known as an equitable estoppel, or estoppel in pais. The law upon the subject is well settled. The vital principle is that he who by his language or conduct leads another to do what he would not otherwise have done, shall not subject such person to loss or injury by disappointing the expectations upon which he acted. Such a change of position is sternly forbidden. It involved fraud and falsehood, and the law abhors both. This remedy is always so applied as to promote the ends of justice. It is available only for protection, and cannot be used as a weapon of assault. It accomplishes that which ought to be done between man and man and is not permitted to go beyond this limit.
> • • •

This is the true doctrine of equitable estoppel applied by law and equity courts, but it should never be applied in patent matters unless the fundamental elements on which such equitable estoppel is based are present. The aforesaid legal estoppel, based upon res judicata, and estoppel in pais are the doctrines which seem to be now followed by the United States Court of Appeals for the District of Columbia. See *International Cellucotton Products Co.* v. *Coe*, 66 App. D. C. 248, 85 F.(2d) 869, 471 O. G. 243, and *American Cyanamid Co.* v. *Coe*, 70 App. D. C. 330 106 F.(2d) 851, 506 O. G. 781.

Subsequent to the decision in the case of *Blackford* v. *Wilder*, supra, the Patent Office by rule, now 109, provided that a party involved in an interference case may bring forward other applications involving any other pertinent common patentable subject matter which existed between any of the parties to the interference. Presumptively he was expected to bring forward matters which could be adjudicated in that interference. It was held, under such circumstances, by the United States Court of Appeals for the District of Columbia and this court that his failure to do so resulted in estoppel against his later making claims to said subject matter. Later, this court went further and held that even though the issue could not have been adjudicated in the interference in which he was engaged, and even though there was no final adjudication therein, and even though the claims embraced in the issue stood rejected, he must, nevertheless, bring it forward in order that a separate interference might be set up between himself and any one of the parties engaged in the interference, and if he failed to do so, he was, by some kind of estoppel, barred from having the claims. It is too obvious for comment that in the latter case neither of the doctrines above referred to could possibly apply.

This court in *In re Chase*, 21 C. C. P. A. (Patents) 1183, 71 F.(2d) 178, 447 O. G. 997, and *In re Long*, 23 C. C. P. A. (Patents) 1078, 83 F.(2d) 458, 470 O. G. 939, took the position that under the facts of those cases no ground of estoppel existed. In the Chase case the claims which Chase was held to be estopped from obtaining could not have been adjudicated in the interference in which he was engaged, and a separate interference had to be set up in order to give an opportunity for him to contest with another. The second interference was set up by the Examiner and Chase came forward and was obviously able (as he was later) to clearly show his first inventorship (in *Avery* v. *Chase*, Avery admitted he was not the first inventor) and this court, in *In re Chase*, supra, said Chase was not estopped. In other words, res judicata did not apply because the claims could not have been adjudicated in that interference. Estoppel in pais did not apply because Chase was guilty of no conduct to which the doctrine was applicable, and other essential facts for the application of the doctrine were absent. There was no final decision in the first interference.

However, in *Avery* v. *Chase*, supra, which involved the claims allowed to Chase in the aforementioned *In re Chase* case, the majority of this court reversed this court's original holding in the *Chase* case and held that he was estopped, thus departing from the doctrine of estoppel by reason of res judicata and estoppel in pais, and proceeded down the perilous road of applying a doctrine of estoppel (whether regarded as equitable estoppel or not, I don't know) whenever an interference party failed to bring forward a claim, even though he was obviously the first inventor and even though the claim could not have been adjudicated therein, and even though he did everything reasonably expected of him to do in order to prove his priority.

I have heretofore had occasion to mention, in substance, the fact that the doctrine which is most easily extended to an absurdity is one which should not have been applied in the first place. In *Dirkes* v. *Eitzen*, supra (and I notice that the majority does not cite it as authority for anything it has held or holds here), the full force and evil effect of the unnecessary and unjustifiable extension of a doubtful doctrine is disclosed in its fullest. There the majority held that Eitzen was estopped from bringing forward a claim which, during the motion period in the interference, stood unallowed to him and he had taken appeal from the disallowance thereof and on the appeal won a holding that the claim was patentable to him. The Examiner, having been reversed on the allowance of the claim, properly declared an interference to give Eitzen the opportunity to contest with his adversary. Upon motion to dissolve, the Patent Office held that he was not estopped, evidently upon the theory that the claim was not patentable subject matter upon which adjudication of priority could have been had. This court reversed the Patent Office and held, in substance, that Eitzen should have brought forward the claim notwithstanding the said disallowance and pending appeal. It is obvious that res judicata did not apply. There was no conduct that made applicable the doctrine of estoppel in pais, and so the remaining possible reason for applying the so-called estoppel was that he had simply failed to bring forward during the motion period a claim which at that time was held by the Patent Office to be unallowable to him and concerning which obviously no adjudication as to priority could have been made in the interference involved.

Right here I think it proper to say, and the thought is not new with me, that outside of estoppel based upon res judicata and estoppel in pais, both of which doctrines are sound and properly applicable to patent matters, all other cases which involve the doctrine of so-called estoppel do nothing more than to sanction the imposition of a "bar" against one claiming that he is the first inventor. I say this notwithstanding the fact that in many of the latter type of cases attempt was made to bring them within the prescribed limits of the first two well-known doctrines. I have no quarrel with true estoppel and if Congress imposes a "bar" as a penalty against the first inventor "in the interest of orderly Patent Office procedure," the Patent Office and the courts would find justification in penalizing the first inventor and there would result no confusing uncertainty such as now exists. See Meigs, Time the Essence of Patent Law, p. 146; Journal of the Patent Office Society, Volume XXII, page 512. It is my view, after mature consideration, that court-made bars which are strangers to law and equity should rarely, if ever, be imposed, and if imposed it should not result in giving the second or subsequent inventor the disputed subject matter.

Now, to the instant case. In the first place, I see no reason for deciding the so-called estoppel issue in this case inasmuch as the court holds against appellee on the merits. But, if it evidences a disposition to make exceptions to what I regard, and I say it respectfully, as the said loose applications

of the doctrine of estoppel, I must give my approval to this exception. Of course, in the instant case, Browne is not estopped from claiming the subject matter of the counts involved under the doctrine of res judicata or estoppel in pais. If the decision in the first interference had been final, both parties were equally estopped after the expiration of the motion period in the first interference because the subject matter could have been adjudicated in that interference, and since under the doctrine of estoppel by res judicata all things that could have been adjudicated must be regarded as adjudicated. Obviously, since there was nothing finally adjudicated, res judicata doesn't apply. Browne did nothing to the disadvantage of his adversary, by failing to claim any more than his adversary did to him, and so estoppel in pais does not apply, but (and here's the point to be emphasized) he failed to comply with rule 109 during the motion period. As I understand the previous decisions of the majority, they are to the effect that in the interest of orderly procedure and to avoid multiplicity of litigation, if one fails during the motion period to assert a claim, regardless of whether it could have been adjudicated in that interference or not, and regardless of whether there was or was not a final decision, he is thereafter estopped from claiming against his former adversary the subject matter which he failed to bring forward. It is my understanding that it is the practice of the Patent Office to give to parties invoking the so-called estoppel the subject matter of the issue in controversy.

The point I seek to make is that if the prior decisions of the majority are correct, estoppel does apply to Browne. By getting into another interference in which there was a third party who quickly withdraw, under the instant decision of the majority, Browne avoids the application of estoppel, although the majority says that at one time he stood estopped.

The majority has not considered a related estoppel doctrine which is estoppel against estoppel, i. e., estoppel from raising the question of estoppel. See 21 Corpus Juris 1139. Quaere: Since Saunders did the same thing Browne did, should he be held estopped from raising the question of estoppel against Browne? Since I don't think any kind of estoppel or bar applies to Browne, I will not pursue this inquiry.

As I read the majority opinion, it holds that although the instant issue could have been adjudicated in the first interference, it was not adjudicated since there was no final decision. This suggests that the holding is based upon the correct premise that the elements of estoppel by res judicata are not present. It is clear that the conduct of the parties lacks a number of elements to make applicable the doctrine of estoppel in pais. It is to be noted that they followed the suggestion of the Patent Office and contested priority in the interference set up for the purpose. This last fact, and the lack of finality of decision in the first interference were present in *In re Chase*, supra.

To hold, as I think the majority does hold, that Browne is not estopped from claiming the instant subject matter upon the ground that he failed to bring forward under rule 109 the disputed claims at a time when and place where the issue might have been adjudicated, merely because there was no final decision in the first interference, is to, in effect, reverse certain decisions of this court—and I am in favor of reversing some of them—although in some of the decisions which should be reversed I concurred, I regret to say. In *In re Alexanderson*, 21 C. C. P. A. (Patents) 983, 69 F.(2d) 541, 446 O. G. 501, Alexanderson was estopped from obtaining claims because he failed to bring forward the involved subject matter in an interference in which he was engaged, although that interference did not go to decision. In *Avery* v. *Chase*, supra, the majority held Chase estopped, although the first interference was dissolved without decision, and another interference was set up for the purpose of giving him the right to prove priority, and was conducted during the period before the first interference was dissolved. In that case the majority decision did not overlook the fact that there was no final decision in the first interference, for it said:

> We think it clearly appears from the record that interference No. 60,503 was initiated by the Primary Examiner. In view of our conclusion, we do not find it necessary to decide whether interference No. 57,166 had been terminated by dissolution at the time interference No. 60,503 was declared, but we shall assume, as appellee contends, that it had not been terminated.

In *In re Austin*, 17 C. C. P. A. (Patents) 1202, 40 F.(2d) 756, 399 O. G. 625, there was no finality of decision in the first interference, and this court in *Avery* v. *Chase*, supra, referring to said Austin case, said:

> • • • While said interference was pending [in the Austin case] but long after the motion period under rule 109 of the Rules of the United States Patent Office had expired, the said common assignee moved that the interference be reformed by admitting thereto the sole application of Austin. In connection with said motion an affidavit was presented in behalf of the common assignee setting forth reasons why said motion was not made within the motion period. The Patent Office tribunals denied said motion, and in an ex parte prosecution by Austin the matter came before us. We held that, the common assignee having failed to move within the motion period to admit the Austin application, Austin and his assignee were estopped from making claims which might have been adjudicated in that interference. In our decision we stated:
>
> • • • Furthermore, if a party to an interference fails to comply with the rules of the Patent Office relative to the presentation of such claims, it is thereafter estopped from presenting them as a basis for another interference between the same parties. [Citing cases.]'
>
> • • • • • • • •
>
> It is true, as argued by counsel for appellant, that, at the time the common assignee moved to reform interference No. 51,235 by admitting appellant's application as to counts 1 and 2 and other claims, the question of priority had not been determined; whereas, in the cases hereinbefore referred to, the issues of priority had been decided. However, the principle announced in the cited cases is applicable here, and, if the rules of the Patent Office are to be given any force and effect, this is a proper case for their application, otherwise, the common assignee of several applications could subject an applicant involved in an interference with one of its applications to prolonged, expensive, and vexatious litigation.
>
> It will be noted that in this [Austin] case estoppel was based wholly upon failure of appellant to act within the motion period provided by rule 109. The interference had not been terminated when it was sought to add the Austin application to the interference, so that estoppel under the doctrine of res adjudicata was not involved. • • •

Also in *Avery* v. *Chase*, supra, is found the following:

> Attention, however, is called to the fact that Shimer [referring to the case of *In re Shimer*, 21 C. C. P. A. (Patents) 979, 69 F.(2d) 556] sought the interference while the original interference was pending, and that it was held that he was estopped from making the involved claims solely because of his failure to seek an interference before the expiration of the motion period under rule 109.

Attention might be called to the fact that the majority in the instant case has emphasized that each of the parties had the right to contest priority with Buchner in the second interference, and its holding is to the effect that appellee should not be estopped from claiming what he had a right to contest with the third party. The difficulty with that position is that it is not here questioned that Browne is not estopped from claiming it as against Buchner, but Buchner is out of the case, and the majority holds that Browne is not estopped from claiming it as against the appellant Saunders, notwithstanding the fact that when Browne had the opportunity of bringing his claim forward and litigating it with Saunders, he failed to bring forward his common patentable subject matter under rule 109. Under the prior holdings of the majority, unless estoppel against estoppel is applied, there is more reason to estop or bar Browne than there was to estop either Eitzen or Chase. But, notwithstanding the force of the prior decisions relating to estoppel, I agree with the majority that it should not be held that Browne is estopped or barred, and, therefore, I concur in the conclusion reached by the majority that Browne, upon the merits of the case, did not show that he was the first inventor in law.

U. S. Court of Customs and Patent Appeals

IN RE DOWTY

No. 4,417. Decided March 31, 1941

[118 F.(2d) 363]

1. PATENTABILITY—INOPERATIVENESS IN A REFERENCE.
   Rule reaffirmed that an inoperative device may be a valid reference if the defect may be cured merely by mechanical skill.
2. SAME—UNDERCARRIAGE FOR AIRCRAFT.
   Certain claims for an undercarriage for aircraft *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Lacey and Lacey (*Mr. Allen E. Peck* and *Mr. John S. Lacey* of counsel) for Dowty.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner denying patentability, in view of the prior art, of claims 12, 14, 17, 19, 20, and 30 of an application for a patent for undercarriages for aircraft.

Seven claims of the application were allowed by the Examiner who held that appellant's invention is in a hydraulic jack equipment as disclosed in the allowed claims and not as covered by the rejected claims.

Claims 12, 17, and 30 are illustrative and read as follows:

> 12. A retractable aircraft undercarriage comprising an undercarriage structure adapted for retraction, a hydraulic jack adapted to retract and extend said structure, a first source of fluid pressure to operate said jack for extending the structure ordinarily, a valved connection between said source and said jack for controlling fluid flow to the jack, a pressure reservoir constituting a second source of fluid pressure independent of the first source and a valved connection between said second source, and said jack for controlling fluid flow to the jack upon failure of the first source.
>
> 17. In combination with a retractable undercarriage for aircraft having ordinary means for extension including a first source of energy and transmission means therefrom to the point to which extending power is to be applied, auxiliary means for emergency extension comprising a second source of energy and second transmission means between said second source and said point, said second source and second means being separate from and operatively independent of said first source and first means.
>
> 30. A retractable aircraft undercarriage comprising an undercarriage structure adapted for retraction, a hydraulic jack adapted to retract and extend said structure, two separate sources of fluid pressure each separately connectable to said jack for extending said structure, and common controllable means for selectively effecting such connection.

The following patents were cited as prior art: Lewis, 1,291,566, January 14, 1919; Martin, 1,526,674, February 17, 1925; Weymouth et al., 2,014,793, September 17, 1935; Zouck, 2,017,086, October 15, 1935; Hathorn, 2,025,743, December 31, 1935.

A clear description of the device of appellant and its claimed novelty appears in the Examiner's statement, as follows:

> The applicant's device relates generally to a landing gear for an aircraft. More particularly it relates to a landing gear of the retractable type having wheels for engagement with the ground or other landing surface and a mechanism for supporting the wheels which is also constructed to lift the wheels up into retracted position within the body of an aircraft during flight for the purpose of reducing air resistance or "drag" which otherwise would be caused by the wheels and struts in the extended position. • • • The alleged novelty is supposed to be in the addition to the undisclosed normal operating system of an emergency means for extending the wheel in case of failure of the undisclosed normal power means to operate.

The emergency operating means is shown in two embodiments. In one form, a spring and cable device, there is provided a releasable spring held in compressed form (the source of the energy) and adapted to extend the undercarriage upon release. The spring is held in compression by a readily releasable catch and there is a connection between the spring and the moving parts of the undercarriage whereby extension of the spring upon release urges the undercarriage toward complete extension. The connection is preferably a cable and in such case there may be a relatively light additional spring to keep the cable under initial tension. In the other form is shown a fluid pressure emergency extension means applied to a double-acting hydraulic landing gear retracting mechanism. In this embodiment there is provided a source of energy in the form of a pressure reservoir for compressed air. The reservoir is the internal hollow space within the stem of a hydraulic jack and there is a valve arrangement operated by a single readily moveable member for cutting off from the jack the source of pressure which is ordinarily in use for undercarriage extension and connecting the pressure reservoir to the jack.

Claims 12, 14, 19, and 20 were rejected by the Examiner for want of patentability over the patent

to Hathorn in view of the patent to Zouck. He rejected claim 17 as being fully met by either one of the patents to Martin or Weymouth et al., and he rejected claim 30 as not presenting invention over the patent to Hathorn in view of either the Zouck or Lewis patents.

While the Board of Appeals did not separately discuss the rejected claims, it apparently agreed with the grounds of rejection by the Examiner and stated in its decision as follows:

> While the claims are not directly anticipated by the prior art so much is shown by the references that we regard the claims as covering a field clearly suggested to any mechanic.

The patent to Martin was relied upon by the Examiner solely for the teaching that it is old to use one of two separate means for the operation of a retractable landing gear (a float or pontoon of a seaplane) in case of the failure of the other to operate. The patent to Weymouth et al. was cited for its teaching of the use of two separate means in operating a retractable landing gear of the wheel type. The Hathorn patent was relied upon to show prior art in operating a retractable landing gear by means of a double-acting hydraulic jack. The patent to Zouck was relied upon to show that it is old to use two sources of fluid pressure such as steam and air controlled by a shuttle valve for the operation of a fluid pressure jack. This valve device of the patent, which is double acting, is part of a servo motor for operating power reverse gear in a locomotive. The patent to Lewis relates to a valve structure for controlling the supply of a plurality of different fluid pressures to the power cylinder of a pressure operated apparatus, for shifting the valve gears of a railway locomotive, but not restricted to this use. This patent was cited for its disclosure of a "common controllable" valve for selectively effecting a connection from a supply of compressed air or from a source of steam for actuating a hydraulic motor.

Appellant does not contend that the cited patents do not disclose and teach as was stated by the Examiner. His contention is that the claims on appeal are patentable over all of the separate disclosures of the prior art and over any combination of the cited references.

The only claim here which appears to be intended to include the first form of the apparatus shown in the involved application is claim 17. The Examiner held that this claim is fully met by either of the patents to Martin or Weymouth et al. In our opinion this holding is proper. In its essence the claim merely provides for two independent means for the operation of a retractable landing gear on an aircraft. The patent to Martin clearly discloses these limitations. It shows a tank as one source of fluid pressure and an air scoop as another source. Each operates independently of the other. Weymouth et al, discloses a combination comprising a retractable undercarriage of an aircraft with ordinary means for extending the undercarriage, including as a first source of energy a battery and a motor and transmission means therefrom to the place in the apparatus where the extending power is applied and auxiliary manual means comprising a second source of energy. The electric motor and the hand crank are separate and independent means for operating the landing gear. Claim 17 defines no more structure than is disclosed in these references.

It is stated by the Examiner that claim 30 was drawn to avoid the Zouck reference. The Examiner held, however, that the claim as drawn still is anticipated by the patent to Zouck, in that the patent discloses a shuttle valve which is actuated from one side to another whenever Zouck directs either air from the air reservoir, one source of power, or steam from the boiler, another power source, to the power cylinder. This shuttle valve in our opinion constitutes a "common controllable means" for selectively effecting the two separate sources of fluid pressure. The Examiner also rejected the claim as not presenting invention over the Hathorn patent in view of either the patent to Zouck or the Lewis patent. It is not necessary to discuss the latter patent since we are convinced that the Zouck patent anticipates the limitation discussed in this paragraph.

The Hathorn patent discloses a hydraulic jack used for extending and retracting the landing gear of an aircraft. Zouck not only discloses the means treated in the former paragraph but also "two separate sources of fluid pressure." Therefore if it did involve invention to substitute the fluid pressure system of Zouck for that of Hathorn claim 30 as well as claims 12, 14, 19, and 20 should have been allowed.

Appellant does not claim to have invented the combination of a hydraulic jack and the undercarriage of an aircraft. In his specification he states:

> Turning now to Figures 3 and 4, in this case there is not represented a complete undercarriage, but only a hydraulic jack of a kind commonly incorporated in undercarriages or in association with undercarriages for the purpose of retracting and extending them in accordance with the direction of flow of liquid in a two-pipe line hydraulic system operating from a suitable pressure source.

He then describes his particular kind of jack, which is different from the ordinary hydraulic jack. This difference appears to reside in providing for one source of fluid pressure within the jack and another, the application does not show where, outside of the jack. We do not see any novel cooperation between the jack of appellant and the landing gear. Hathorn's jack apparently can extend and retract the undercarriage in the same cooperative manner. It is true that Hathorn does not disclose a source of fluid pressure, but we believe that this is unimportant. Hathorn discloses a fluid pressure pump. The fluid would have to be provided in order that the pump could function. It would, in our opinion, be perfectly obvious to supply such fluid in a tank, as in the patent of Martin.

We are also of opinion that any skilled mechanic, if it were desirable to utilize in the structure of Hathorn the system of the Zouck mechanism, wherein two separate and distinct sources of fluid pressure are controlled by a shuttle valve, would, without the exercise of invention, substitute the pressure system of Zouck for that of Hathorn.

Appellant in his brief contends that the patents to Zouck and to Lewis are from the non-analogous art of locomotive reverse gears. These patents, however, were cited only for disclosures relative to fluid pressure motors and the control thereof. As was pointed out in the brief of the Solicitor of the Patent Office, if a worker skilled in the art observed defects in the Hathorn fluid pressure motor in its control means, and desired to make an improvement therein, he would look for assistance in the art of pressure motors. Reference to the official classification of this patent shows it to have been classified in class 121 which in the official Manual of Classification of Patents is a class of "Motors—Expansible Chamber Type."

[1] Appellant urges that the Martin patent embodies a definitely incomplete disclosure and that it is practically inoperative and has been so adjudged in a United States District Court, and that therefore could have taught the art nothing and is of no value as a reference. While probably it may have been as defective as appellant claims, nevertheless we do not see that the exercise of mechanical skill would not cure the defects. As to whether or not a patent alleged to disclose an inoperative apparatus constitutes a valid reference, we had the following to say in *In re Kehl*, 26 C. C. P. A. (Patents) 794, 797, 101 F.(2d) 193, 195, 502 O. G. 6:

> Much of appellant's brief is devoted to argument upon the question of the alleged inoperativeness of the Trost device, and numerous authorities are cited in support of the contention that an inoperative prior art device may not be relied upon as an anticipation. That this is a general rule may be conceded, but it is also quite well settled that an inoperative device may be a valid reference if the defect may be cured merely by mechanical skill not requiring invention. [Citing authorities.]

This language of the court seems particularly applicable here with reference to the Martin patent, and the said patent, therefore, constitutes a valid reference.

[2] We have no doubt but that prestored energy, as shown by appellant, and quick acting means for instantly releasing it, are of much practical advantage in the operation of retractable landing gear for aircraft. However, we are convinced that the invention of the appellant is in his hydraulic jack equipment, as was held by the Examiner, and not as claimed in the rejected claims. Accordingly the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,480,780, C. Pauley, Mask for skin treatment, D. C., N. D. Ill., E. Div., Doc. 855, *C. Pauley* v. *Montgomery Ward & Co. et al.* Dismissed with prejudice as to Montgomery Ward & Co.; dismissed without prejudice as to R. Lefohn Oct. 23, 1940.

1,522,138, W. Ord, Machine and method for compacting and surfacing concrete and similar pavements; 2,054,263, H. E. McCrery, Pavement finishing machine, D. C., N. D. Ohio, E. Div., Doc. 20431, *Blaw-Knox Co.* v. *The Heltzel Steel Form & Iron Co.* Dismissed without prejudice by stipulation May 23, 1941.

1,547,246, H. W. Weaver, Gasoline filter, D. C., S. D. Calif. (Los Angeles), Doc. 1080 Y, *J. M. Phillips* v. *Ford Motor Co.* Dismissed May 16, 1941. Doc. 1081 BH, *J. M. Phillips* v. *General Motors Corp. et al.* Dismissed on motion of plaintiff May 20, 1941.

1,557,350, F. Stebler, Box dumping machine; 1,562,582, G. D. Parker, Automatic loading device for elevators; 1,818,646, same, Stop mechanism for box nailing machines. D. C., S. D. Calif., C. Div. Doc. 346–Y, *Food Machinery Corp.* v. *Griffith Equipment Co., Inc., et al.* Patents held valid and infringed; injunction May 21, 1941.

1,562,582. (See 1,557,350.)

1,565,373, S. F. Kohn, Ironing board cover, D. C., S. D. N. Y., Doc. 8/263, *Canvas Specialty Co., Inc.*, v. *Notions, Inc., et al.* Consent order of discontinuance (notice May 22, 1941).

1,712,382, 2,097,023, Driggs & Faber, Firearm; 1,712,383, same, Fixed ammunition for firearms; 1,947,834, same, Flare signal; 1,970,501, L. L. Driggs, Jr., Firearm; 2,124,876, 2,074,683, same, Flare, appeal filed May 24, 1941, C. C. A., 4th Cir., Doc. 4814, *Triumph Explosives, Inc., et al.* v. *The Kilgore Mfg. Co. et al.*

1,712,383. (See 1,712,382.)

1,776,235, L. U. Larkin, Refrigeration method and apparatus, D. C., N. D. Ill., E. Div., Doc. 763, *The Cleveland Trust Co.* v. *L. U. Larkin.* Dismissed for want of equity Apr. 24, 1941.

1,817,014, G. J. Meyer et al., Swinging outside brushes for bottle-washing machines; 1,830,608, Meyer & Dreher, Cam operated swinging brushes for bottle-washing machines; 1,880,243, O. Dreher, Bottle feeding means; 2,043,763, Meyer & Meyer, Container handling machine, filed May 19, 1941, D. C., E. D. Wis. (Milwaukee), Doc. 532, *G. J. Meyer Mfg. Co.* v. *Michael Yundt Co.*

1,818,646. (See 1,557,350.) 1,830,068. (See 1,817,014.)

1,880,243. (See 1,817,014.)

1,881,747, Litty & Lundin, Cake icing machine; Re. 20,572, J. R. Litty et al., same, filed May 23, 1941, D. C., E. D. N. Y., Doc. 2043, *J. R. Litty et al.* v. *Kotten Machine Co., Inc.*

1,892,426, 1,894,032, 1,919,690, R. L. Evans, Method of and means for permanently waving hair; 2,051,063, F. M. Winkel, Hair waving unit; 2,196,201, Evans & McDonough, Heat indicator, filed May 19, 1941, D. C., N. D. Ill., E. Div., Doc. 2977, *Sales Affiliates, Inc.*, v. *National Mineral Co.*

1,894,032. (See 1,892,426.)

1,919,690. (See 1,892,426.)

1,933,140, W. F. Gakle, Transformer and method of making same, filed May 21, 1941, D. C., S. D. N. Y., Doc. 14/245, *Kuhlman Electric Co.* v. *General Electric Co.*

1,947,834. (See 1,712,382.)

1,968,030, R. De Filippis, Automatic gearless transmission. D. C., N. D. Ill., E. Div., Doc. 766, *R. De Filippis* v. *Studebaker Sales Corp. of America et al.* Dismissed Apr. 21, 1941. (Dismissal of suit 84/308 in S. D. N. Y. is bar to prosecution of present suit.)

1,970,501. (See 1,712,382.)

1,981,197. F. B. Roberts, Method and apparatus for drying fruit: Re. 19,877, L. E. Jones, Method and apparatus for treating fruit, D. C., S. D. Calif., C. Div., Doc. 347 RJ, *Food Machinery Corp.* v. *Griffith Equipment Co., Inc., et al.* Patent 1,981,197 held valid and infringed; suit as to reissue is dismissed without prejudice, injunction May 21, 1941.

2,009,013, Karplus & Tuttle, Alternating-current apparatus, filed May 16, 1941, D. C., S. D. N. Y., Doc. 14/211, *General Radio Co.* v. *Industrial Transformer Corp.*

2,018,966, E. J. Miller et al., Manufacture of wheat flour, filed May 17, 1941, D. C., N. D. Ill., E. Div., Doc. 2970, *C. Kent* v. *Morris Mills, Inc.*

2,023,809, J. K. Heller, Gas mixing apparatus, D. C., N. D. Calif. (San Francisco), Doc. 21862, *Gasair Corp.* v. *Ransome Co.* Dismissed without prejudice May 15, 1941.

2,025,576, A. C. De Spirt, Wall dividing bead, D. C., S. D. Ohio, W. Div., Doc. 159, *Italian Mosaic & Marble Co., Inc., et al.* v. *Goldsmith Metal Lath Co.* Consent decree for plaintiff holding patent valid and infringed May 27, 1941.

2,043,763. (See 1,817,014.) 2,051,063. (See 1,892,426.)

2,054,263. (See 1,522,138.) 2,074,683. (See 1,712,382.)

2,078,059, R. H. Churchill, Hand wheel cover, filed May 22, 1941, D. C., N. D. Ill., E. Div., Doc. 2999, *R. H. Churchill* v. *Blue Star Auto Stores, Inc.*

2,097,023. (See 1,712,382.) 2,124,876. (See 1,712,382.)

2,134,143, B. K. Paget, Ventilator, D. C., N. D. Ohio, E. Div., Doc. 19963, *B. K. Paget* v. *The Swartwout Co.* Dismissed May 26, 1941.

2,137,154, J. E. Brubaker, Toy pistol, filed May 20, 1941, D. C., S. D. Ohio. E. Div., Doc. 365, *The Hubley Mfg. Co.* v. *The Kilgore Mfg. Co.*

2,144,683, McClung & Schildknecht, Mat, filed May 20, 1941, D. C., S. D. Calif. (Los Angeles), Doc. 1547–Y, *E. F. McClung* v. *The May Co.*

2,152,197. (See Des. 107,878.)

2,154,581, R. H. Pershall, Closure attachment for containers, D. C., N. D. Ill., E. Div., Doc. 1021, *Na-Mac Products Corp.* v. *Boston Store of Chicago, Ill.* Dismissed by stipulation May 7, 1941.

2,159,729. (See Des. 107,092.)

2,161,506, R. K. De Caracena, Leather jewelry, D. C., S. D. N. Y., Doc. 6/67, *R. K. De Caracena* v. *Swank Products, Inc.* Final order (notice May 20, 1941).

2,163,452, J. D. Schmieg, Apparatus for removing foreign material from air; 2,212,752, same, Method of and apparatus for removing foreign material from air, filed May 19, 1941, D. C., E. D. Mich., S. Div., Doc. 2649, *Schmieg Sheet Metal Works et al.* v. *Industrial Sheet Metal Works, Inc.*

2,196,201. (See 1,892,426.) 2,212,752. (See 2,163,452.)

Re. 17,769, R. Morris, Rotary dispensing bin, D. C., S. D. Calif. (Los Angeles), Doc. 345–H, *Food Machinery Corp.* v. *Griffith Equipment Co., Inc., et al.* Consent judgment holding patent valid and infringed; injunction May 21, 1941.

Re. 19,877. (See 1,981,197.)

Re. 20,181. (See Re. 20,205.)

Re. 20,205. L. W. Emerson, Folding chair; Re. 20,181, H. A. Freedman, Beach chair, D. C., S. D. N. Y., Doc. 9/273, *Selrite, Inc.*, v. *Tropical Chair Co., Inc.* Consent order of discontinuance without prejudice (notice May 17, 1941).

Re. 20,572. (See 1,881,747.)

Des. 107,092, 2,159,729, H. W. Ribble, Combined beverage cooling and dispensing cabinet, filed Mar. 24, 1941, D. C., W. D. Mo. (Kansas City), Doc. 827, *Rapids Equipment Co., Inc.*, v. *A. J. Stephens & Co.*

Des. 107,878, J. Levy, Adjustable ceiling lighting fixture; 2,152,197, same, Lighting fixture construction, filed May 22, 1941, D. C., S. D. N. Y., Doc. 14/246, *Display Stage Lighting Co., Inc.*, v. *Century Lighting, Inc.*

Des. 119,581, H. O. Wolk, Coat, D. C., S. D. N. Y., Doc. 8/174, *Junior Trend Coats, Inc.*, v. *A. Alper.* Consent order of discontinuance (notice May 23, 1941).

Des. 120,297, P. Heit, Dress ensemble, filed May 26, 1941, D. C., S. D. N. Y., Doc. 14/280, *Weinberg, Weinberg & Alpern* v. *Holsberg & Lasoff, Inc.*

Des. 120,540, M. Boucher, Pin, D. C., S. D. N. Y., Doc. 13/233, *Marcel Boucher, Ltd.*, v. *D. Lisner & Co., Inc., et al.* Consent judgment (notice May 19, 1941).

Des. 121,087, A. N. Andrews, Fountain pen, D. C., S. D. Calif. (Los Angeles), Doc. 1327 Y, *A. N. Andrews* v. *Eversharp, Inc.* Dismissed pursuant to stipulation May 19, 1941.

Des. 121,372, Des. 121,373, Des. 121,374, V. Primavera, Brooch, D. C., S. D. N. Y., Doc. 10/230, *Felch & Co.* v. *Kaufman & Ruderman Co., Inc.* "Consent judgment as to two patents" (notice May 23, 1941).

Des. 121,373. (See Des. 121,372.)

Des. 121,374. (See Des. 121,372.)

Des. 122,687, H. Kranz, Portable serving cabinet, D. C., S. D. Calif. (Los Angeles), Doc. 1297–Y, *Morris Furniture Mfg. Co. et al.* v. *Gillespie Furniture Co.* Dismissed May 16, 1941.

Des. 125,966, C. Lang, Dress ensemble, filed May 19, 1941, D. C., S. D. N. Y., Doc. 14/226, *Chas. Lang-Chas. Cooper, Inc.*, v. *Schultze-Zuch Co., Inc.*

Des. 125,967, C. Lang, Dress, filed May 19, 1941, D. C., S. D. N. Y., Doc. 14/227, *Chas. Lang-Chas. Cooper, Inc.*, v. *Beth Paige Frocks, Inc.*

Des. 126,350, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 13/434, *Apex Dress Co., Inc.*, v. *Del Wynn Dress Corp.* Consent judgment (notice May 26, 1941).

Des. 126,500, H. Troy, Dress, filed May 19, 1941, D. C., S. D. N. Y., Doc. 14/225, *Hannah Troy, Inc.*, v. *Suzanne, Jr. Frocks, Inc.*

T. M. 36,608, W. K. Peek, Corn cure; T. M. 249,562, Manhattan Drug Co., Foot powder, foot-bath tablets, and corn solvents, filed May 22, 1941, D. C., N. D. Ill., E. Div., Doc. 3004, *Manhattan Drug Co.* v. *Walgreen Co.*

T. M. 176,594, Compania De Jarcia De Matanzas S A, Rope and twine, D. C., S. D. Tex. (Houston), Doc. 508, *Compania De Jarcia De Matanzas, S A* v. *Cordeleria De San Juan et al.* Trade-mark held valid and infringed; injunction May 19, 1941.

T. M. 249,562. (See T. M. 36,608.)

T. M. 386,198, J. A. Wood, Bottled pickles and cucumbers, filed May 7, 1941, D. C., N. D. Ill., E. Div., Doc. 2943, *The Pikle-Rite Co.* v. *The Goldsmith Pickle Co.*

TRADE-MARKS

OFFICIAL GAZETTE, JULY 22, 1941

[VOL. 528. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 431,126. THE NEVILLE COMPANY, Neville Island, Pittsburgh, Pa. Filed Apr. 23, 1940.



FOR COUMARONE-INDENE, OR SO-CALLED COUMARONE OR PARA-COUMARONE, RESINS; CYCLOPARAFFIN RESINS; RESINS COMPRISING POLYMERS OF CYCLOPENTADIENE OR DICYCLOPENTADIENE; AND MODIFIED RESINS; CRUDE AND REFINED COAL TARS; AND PITCH.

Claims use since November, 1938.

Ser. No. 442,662. ISLAND CREEK COAL SALES COMPANY, Huntington, W. Va. Filed Apr. 17, 1941.



The words "Sewell" and "Smokeless Coal" are disclaimed apart from the mark.

FOR COAL.

Claims use since Oct. 7, 1940.

Ser. No. 442,721. THE PORCELAIN ENAMEL & MFG. CO. OF BALTIMORE, Baltimore, Md. Filed Apr. 18, 1941.

ARCHITEX

FOR ENAMEL FRITS, CERAMIC COLORING OXIDES, AND OPACIFIERS.

Claims use since Feb. 6, 1940.

Ser. No. 442,722. THE PORCELAIN ENAMEL & MFG. CO. OF BALTIMORE, Baltimore, Md. Filed Apr. 18, 1941.

Satynite

FOR ENAMEL FRITS, CERAMIC COLORING OXIDES, AND OPACIFIERS.

Claims use since Feb. 6, 1940.

Ser. No. 442,723. THE PORCELAIN ENAMEL & MFG. CO. OF BALTIMORE, Baltimore, Md. Filed Apr. 18, 1941.

BONTITE

FOR ENAMEL FRITS, CERAMIC COLORING OXIDES, AND OPACIFIERS.

Claims use since Feb. 8, 1940.

Ser. No. 443,058. SOUTHERN COAL COMPANY, INCORPORATED, Memphis, Tenn. Filed Apr. 28, 1941.



The word "Coal" is disclaimed apart from the mark.

FOR COAL.

Claims use since Apr. 9, 1941.

CLASS 2

RECEPTACLES

Ser. No. 430,537. JOHN B. BANE, doing business as Tom Thumb Tray Company, Los Angeles, Calif. Filed Apr. 9, 1940.

TOM THUMB TRAY

The word "Tray" and the representation of the tray are disclaimed apart from the mark.

FOR SERVICE TRAYS MADE OF PLASTIC OR PAPER PULP.

Claims use since Feb. 14, 1940.

Ser. No. 439,839. A. L. SIEGEL CO., INC., Newark, N. J. Filed Jan. 21, 1941.

FLEXEDGE

FOR TRANSPARENT RECEPTACLES OR PARTS OF RECEPTACLES MADE FROM "PLIOFILM," "CELLOPHANE," OR THE LIKE—NAMELY, REFRIGERATOR BAGS, BREAD AND CAKE BAGS, VEGETABLE BAGS, COSMETIC BAGS, UTILITY BAGS, HAT BAGS, SEWING BOXES, BLANKET BAGS, LINEN BAGS, AND HANDKERCHIEF BAGS.

Claims use since Jan. 5, 1940.

Ser. No. 442,570. A. L. SIEGEL CO., INC., Newark, N. J. Filed Apr. 14, 1941.

Vita-Guard

FOR TRANSPARENT RECEPTACLES OR PARTS OF RECEPTACLES MADE FROM "PLIOFILM," "CELLOPHANE," OR THE LIKE—NAMELY, REFRIGERATOR BAGS, LETTUCE BAGS, BREAD BAGS, CAKE BAGS, AND VEGETABLE BAGS.

Claims use since Apr. 8, 1941.

Ser. No. 443,416. INLAND CONTAINER CORPORATION, Indianapolis, Ind. Filed May 9, 1941.

CYCLETAINER

FOR COMPARATIVELY RIGID SHIPPING CONTAINERS FOR BICYCLES SOLD IN TRADE EMPTY.

Claims use since Mar. 8, 1939.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 442,878. S. AND S. LEATHER COMPANY, Colchester, Conn. Filed Apr. 23, 1941.

S AND S GOLD SEAL

FOR BILL FOLDS, KEY CASES.

Claims use since Dec. 1, 1935.

Ser. No. 443,551. BELVIDERE STRAP CO. INC., New York, N. Y. Filed May 14, 1941.

BELCO

FOR PORTFOLIOS, HANDBAGS, POCKETBOOKS, WALLETS, KEY CASES, COIN PURSES, TOILET CASES, FITTED DRESSING BAGS, LEATHER SECRETARY WALLETS, LEATHER CASES FOR HANDKERCHIEFS AND STOCKINGS, PURSES.

Claims use since March, 1941.

CLASS 5

ADHESIVES

Ser. No. 441,418. S. G. TILDEN, INC., Brooklyn, N. Y. Filed Mar. 10, 1941.

PERMAFUSE

FOR ADHESIVE BINDING MATERIAL FORMED OF ASBESTOS SHEETS COATED WITH A THERMO SETTING ADHESIVE IN DRY FORM FOR USE IN BRAKE SHOES AND FOR OTHER USES WHERE SUCH AN ADHESIVE BINDING MATERIAL WOULD BE SUITABLE.

Claims use since Feb. 7, 1941.

Ser. No. 443,975. COMPO SHOE MACHINERY CORPORATION, Boston, Mass. Filed May 27, 1941.

RADIOMATIC

FOR ADHESIVE SHOE CEMENT.

Claims use since May 8, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 409,386. DEUTSCHE GOLD-UND SILBER-SCHEIDEANSTALT, Frankfort-on-the-Main, Germany. Filed Aug. 9, 1938.

DURFERRIT

FOR HARDENING MATERIALS—NAMELY, ALKALI CHLORIDES AND/OR ALKALI CARBONATE AND/OR ALKALI EARTH CHLORIDES WITH THE ADDITION OF SMALL QUANTITIES OF CHROMATES, AND CEMENTING MATERIALS, NAMELY: MIXTURES OF ALKALI CYANIDE (SODIUM CYANIDE) WITH ALKALI EARTH CHLORIDES.

Claims use since 1924.

Ser. No. 432,730. NINOL, INC., Chicago, Ill. Filed June 6, 1940.

NINOL

FOR INTERFACE MODIFYING AGENTS HAVING GENERAL USES IN THE INDUSTRIAL ARTS.

Claims use since Sept. 1, 1934.

Ser. No. 432,927. CANUSA CORPORATION, Arlington, N. J. Filed June 12, 1940.

PLURAMINE

FOR CHEMICAL ORGANIC SOFTENING AGENT PREFERABLY IN THE FORM OF A PASTE FOR TREATING RAYON AND SPUN RAYON FABRICS FOR IMPARTING A VERY SOFT, FULL HAND, WHICH IS FAIRLY PERMANENT TO WASHING.

Claims use since Feb. 29, 1940.

Ser. No. 432,928. CANUSA CORPORATION, Arlington, N. J. Filed June 12, 1940.

PLURAWET

FOR CHEMICAL ORGANIC RAPID WETTING AGENT PREFERABLY IN LIQUID FORM, DESIGNED FOR IMMEDIATE WETTING.

Claims use since Feb. 7, 1940.

Ser. No. 432,929. CANUSA CORPORATION, Arlington, N. J. Filed June 12, 1940.

PLURALAN

FOR CHEMICAL ORGANIC MOTH-PROOFING AGENT PREFERABLY IN THE FORM OF A POWDER FOR THE TREATMENT OF TEXTILES.

Claims use since Mar. 11, 1940.

Ser. No. 432,930. CANUSA CORPORATION, Arlington, N. J. Filed June 12, 1940.

PLURATEX

FOR CHEMICAL ORGANIC DETERGENT, PENETRANT AND WETTING AGENT USED FOR FINISHING TEXTILES.

Claims use since Mar. 21, 1940.

Ser. No. 432,931. CANUSA CORPORATION, Arlington, N. J. Filed June 12, 1940.

PLURAPEL

FOR CHEMICAL ORGANIC REPELLENT AGENT PREFERABLY IN THE FORM OF THICK PASTE USED FOR WATER-PROOFING FABRICS, ESPECIALLY COTTONS AND RAYONS, AND ALSO WOOL.

Claims use since Feb. 26, 1940.

Ser. No. 435,859. DR. C. SCHLEUSSNER, doing business as Dr. C. Schleussner Fotowerke G. m. b. H., Frankfort-on-the-Main, Germany. Filed Sept. 10, 1940.

Adof

FOR CHEMICAL PRODUCTS FOR PHOTOGRAPHIC PURPOSES, EQUALIZING DEVELOPERS, AND CHEMICAL DEVELOPERS FOR X-RAY PICTURES.

Claims use since 1935.

Ser. No. 435,968. HERL L. CROWTHER, doing business as Crowther Products, Los Angeles, Calif. Filed Sept. 14, 1940.

Herl Crowther's "Today"

The name "Herl Crowther's" is the facsimile signature of applicant.

FOR DENTIFRICE, A BEAUTY POWDER FOR THE TEETH AND GUMS.

Claims use since May 11, 1940.

Ser. No. 437,741. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa. Filed Nov. 9, 1940.

AMBERLITE

FOR MATERIAL FOR USE IN REMOVING OR REPLACING METALLIC OR NON-METALLIC IONS OR ACID-FORMING CONSTITUENTS FROM FLUIDS.

Claims use since Nov. 2, 1940.

Ser. No. 438,304. E. FREDERICS, INC., New York, N. Y. Filed Nov. 28, 1940.

tru-Curl

The term "Curl" is disclaimed apart from the association shown.

FOR SOLUTIONS USED IN THE PERMANENT WAVING OF HAIR.

Claims use since Sept. 1, 1940.

Ser. No. 439,989. BAILEY METER COMPANY, Cleveland, Ohio. Filed Jan. 27, 1941.

OXENE

FOR OXYGEN CONSUMING PREPARATION FOR USE IN FLUID ANALYZING APPARATUS.
Claims use since Jan. 17, 1941.

Ser. No. 441,555. VITAMED CORPORATION. New York, N. Y. Filed Mar. 14, 1941.

FEBE

FOR PHARMACEUTICAL TABLETS CONSISTING OF VITAMIN B COMPLEX WITH IRON.
Claims use since Mar. 3, 1941.

Ser. No. 441,778. ISAAC MASARSKY, doing business as Hillcrest Laboratories, Spring Valley, N. Y. Filed Mar. 21, 1941.

SABETAL

FOR PHARMACEUTICAL PREPARATIONS USED FOR EXTERNAL SKIN IRRITATIONS, PSORIASIS, ECZEMA, EXTERNAL ITCH, RASHES, EXTERNALLY CAUSED.
Claims use since Apr. 24, 1939.

Ser. No. 442,906. TALBOT H. LE BLANC, Brooklyn, N. Y. Filed Apr. 24, 1941.

Powder Aid

Applicant disclaims the word "Powder" apart from the association shown.
FOR FACE POWDERS.
Claims use since Jan. 8, 1941.

Ser. No. 443,354. BONNE BELL, INC., Lakewood, Cleveland, Ohio. Filed May 8, 1941.

Bonne Bell

FOR ASTRINGENT, SKIN LOTION, FOUNDATION LOTION, NIGHT AND DAY FOUNDATION, CLEANSING CREAM, NIGHT CREAM, SPECIAL FORMULA CREAM, EMOLLIENT CREAM, HAND CREAM, EYELASH CREAM, DEODORANT CREAM, BEAUTIFIER, PLASTIC FACIAL MASQUE, SHAMPOO, CREAM ROUGE, COMPACT DRY ROUGE, FACE POWDER, LIPSTICK, MASCARA, EYE SHADOW, AND EYEBROW PENCIL.
Claims use since October, 1927.

Ser. No. 443,405. THE CORKINS CHEMICAL CO., Cincinnati, Ohio. Filed May 9, 1941.

O-I-C

FOR INSECTICIDES AND DISINFECTANTS.
Claims use since Sept. 23, 1933.

Ser. No. 443,501. LOUISE M. FAUGHT, Brooklyn, N. Y. Filed May 12, 1941.

FAUGHTALINE

FOR MEDICINAL PREPARATIONS FOR THE TREATMENT OF DIABETES, SUPERFICIAL IRRITATIONS, DIGESTIVE DISTURBANCES DUE TO FAULTY ELIMINATION, GASTRIC IRRITATIONS, BURNS, SCALDS, AND MINOR WOUNDS.
Claims use since Sept. 2, 1933.

Ser. No. 443,510. LADY ESTHER SALES CO., Chicago, Ill. Filed May 12, 1941.

"Twin Hurricanes"

FOR FACE POWDER.
Claims use since Apr. 23, 1941.

Ser. No. 443,546. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed May 13, 1941.

COPOX

FOR INSECTICIDES.
Claims use since November, 1938.

Ser. No. 443,756. DESTRUXOL CORPORATION, LTD., Pasadena, Calif. Filed May 21, 1941.

SILV-R-OCH

FOR CHEMICAL POWDER FOR CONTROL OF CERTAIN PESTS SUCH AS SILVER FISH, COCKROACHES, BUFFALO BEETLES, WATER BEETLES, AND ANTS.
Claims use since Dec. 18, 1940.

Ser. No. 443,816. PETROLITE CORPORATION, LTD., Webster Groves, Mo. Filed May 22, 1941.

PARASOL

FOR CHEMICAL AGENT FOR INHIBITING, PREVENTING, AND REMOVING DEPOSITS OF ASPHALT, WAX, PARAFFIN, ORGANIC MATERIALS, AND THE LIKE IN OIL WELLS, OIL COLLECTING LINES, TANKS, AND SIMILAR PETROLEUM HANDLING EQUIPMENT.
Claims use since Nov. 3, 1937.

Ser. No. 443,974. JACQUELINE COCHRAN, Roselle, N. J. Filed May 27, 1941.

BAND WAGON

FOR COSMETICS AND BEAUTY PREPARATIONS—NAMELY, FOUNDATION LOTION.
Claims use since Apr. 18, 1941.

CLASS 10

FERTILIZERS

Ser. No. 441,301. ANDERSON, CLAYTON & CO., Houston, Tex. Filed Mar. 7, 1941. Under act of Feb. 20, 1905, as amended June 10, 1938.

Growmaster

FOR FERTILIZERS.
Claims use since Feb. 13, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 434,594. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 2, 1940.

MILLERIZED

FOR SHEETS OF FELTED FIBROUS MATERIAL IMPREGNATED WITH BITUMINOUS WATER-RESISTING MATERIAL; ROOFING AND SHINGLES AND SIDING OF FELT BASE SATURATED WITH ASPHALT SATURANT, USED AS CONSTRUCTION MATERIALS.
Claims use since Jan. 15, 1933.

Ser. No. 434,968. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 14, 1940.

MILLERIZED · PROTECTIVE PROCESS OF SATURATION · FOR LONGER LIFE ·

The words "Protective Process of Saturation" and "For Longer Life" are disclaimed apart from the mark.
FOR SHEETS OF FELTED FIBROUS MATERIAL IMPREGNATED WITH BITUMINOUS WATER-RESISTING MATERIAL; ROOFING AND SHINGLES AND SIDING OF FELT BASE SATURATED WITH ASPHALT SATURANT AND USED AS CONSTRUCTION MATERIALS.
Claims use since Jan. 15, 1933.

Ser. No. 441,011. PHILIP W. BAILEY, doing business as West Coast Stained Shingle Company, Seattle, Wash. Filed Feb. 26, 1941.

PERMANIZED

FOR WOODEN SHINGLES.
Claims use since Jan. 9, 1941.

Ser. No. 443,695. LONGHORN ROOFING PRODUCTS, INC., Dallas, Tex. Filed May 19, 1941.

LONGHORN

FOR COMPOSITION ROOFING MATERIALS.
Claims use since Feb. 1, 1940.

Ser. No. 443,721. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed May 20, 1941.

TRANSITE

FOR FIREPROOF INSULATING MATERIALS COMPOSED OF ASBESTOS FIBRE AND HYDRAULIC CEMENT IN SHEETS, STRIPS, BLOCKS, AND SHAPES.
Claims use since Feb. 1, 1907.

Ser. No. 443,864. STOK-A-FIRE COMPANY, INC., University City, Mo. Filed May 23, 1941.

IMPERVIUM

FOR DRY REFRACTORY MATERIAL.
Claims use since Feb. 15, 1941.

Ser. No. 443,865. STOK-A-FIRE COMPANY, INC., University City, Mo. Filed May 23, 1941.

VUL-CRETE

FOR DRY REFRACTORY MATERIAL.
Claims use since Feb. 15, 1941.

Ser. No. 443,898. VISIONATOR, INC., Chicago, Ill. Filed May 24, 1941.

VISIONATOR

FOR WINDOW SASH AND WINDOW FRAMES.
Claims use since Nov. 11, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 437,682. INDEPENDENT LOCK COMPANY, Fitchburg, Mass. Filed Nov. 8, 1940.

CHANTRELL

FOR BUILDER'S HARDWARE—NAMELY, DOOR STOPS, COAT AND HAT HOOKS, DOOR KNOBS, HANDLES, PULLS, SASH LIFTS, CASEMENT ADJUSTERS, DOOR HANDLE SETS, DOOR CLOSERS AND PARTS OF THE AFORE-ENUMERATED HARDWARE.
Claims use since 1912.

Ser. No. 443,034. BABSON BROS. CO., Chicago, Ill.. Filed Apr. 28, 1941.

SURGE

FOR MILKING PARLOR STALLS AND STANCHIONS AND MULTIPLE STALL MILKING PARLOR UNITS.
Claims use since Apr. 1, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 441,961. H. N. GREIS, as trustee for Deep Rock Oil Corporation, Tulsa, Okla. Filed Mar. 26, 1941.

AirRace

MOTOR OIL

The words "Motor Oil" are disclaimed apart from the mark.
FOR LUBRICATING OIL.
Claims use since Jan. 3, 1941.

Ser. No. 443,320. COLUMBIA-BEDFORD CORPORATION, Long Island City, N. Y. Filed May 7, 1941.

CENTENNIAL

FOR LUBRICATING OIL.
Claims use since Dec. 5, 1939.

Ser. No. 443,485. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed May 12, 1941.

FAIRY

FOR CANDLES.
Claims use since May, 1922.

Ser. No. 443,840. GILMORE OIL COMPANY, Los Angeles, Calif. Filed May 23, 1941.

Smacko

FOR PETROLEUM PRODUCTS—NAMELY, LUBRICATING OIL.
Claims use since Jan. 4, 1939.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 440,912. CALIXTO LOPEZ & Co., Jersey City, N. J. Filed Feb. 24, 1941.



Applicant disclaims the words "Habana," "Grand Prix," and "Saint Louis" apart from the mark.
FOR CIGARS.
Claims use since 1891.

CLASS 21

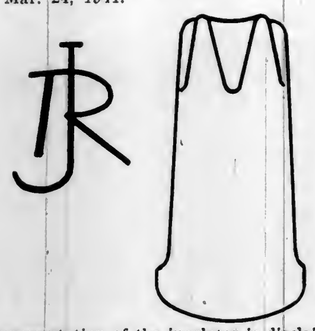
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 436,725. HI-SPEED TIRE AND ACCESSORY COMPANY, Toledo, Ohio. Filed Oct. 8, 1940.

HI-SPEED

FOR DOMESTIC SERVICE ELECTRICAL DEVICES INCLUDING RADIO RECEIVING SETS AND HOUSEHOLD SERVICE UTENSILS IN THE GROUP OF HELPFUL DEVICES FOR THE MODERN KITCHEN, COMPRISING TREATING EQUIPMENT AS TO TEMPERATURE NOT ONLY ELECTRIC WATER HEATERS, BUT IN ADDITION THERETO FOOD CARE DEVICES INCLUDING ELECTRIC COOKERS, ROASTERS, BROILERS, GRIDDLES, RANGES, AND PARTS THEREOF.
Claims use since Feb. 15, 1936.

Ser. No. 441,861. DAVID EISENSTAT, New York, N. Y. Filed Mar. 24, 1941.



The representation of the insulator is disclaimed apart from the mark.
FOR FIXTURE TYPE SPLICING CONNECTOR MADE OF PORCELAIN FOR JOINING ELECTRICAL WIRES.
Claims use since Jan. 1, 1940.

Ser. No. 442,055. TRANS-LUX AD-NEWS CORPORATION, New York, N. Y. Filed Mar. 28, 1941.

TRANS-LUX

FOR ELECTRIC DISPLAY SIGNS.
Claims use since October, 1940.

Ser. No. 442,326. CONRAD D. MASTRUD, Oak Park, Ill. Filed Apr. 5, 1941.

ORAL master

FOR ELECTRIC MOTOR-OPERATED TOOTH BRUSH APPARATUS.
Claims use since Feb. 21, 1941.

Ser. No. 442,792. JOHN A. MANNING PAPER COMPANY, INC., Troy, N. Y. Filed Apr. 21, 1941.

TROYA

FOR ELECTRICAL INSULATING PAPER IN WIDE AND IN TAPE FORM.
Claims use since Oct. 17, 1940.

Ser. No. 443,689. DINGS MAGNETIC SEPARATOR CO., Milwaukee, Wis. Filed May 19, 1941.



FOR MAGNETS, MAGNETIC CLUTCHES, AND MAGNETIC SEPARATORS.
Claims use since Apr. 23, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 436,905. QUIZ KIDS, INC., Chicago, Ill., assignor to Louis G. Cowan, Chicago, Ill. Filed Oct. 12, 1940. No claim is made for the words "Trade Mark."



QUIZ KIDS

FOR QUESTION AND ANSWER GAMES, CARD GAMES, TABLE BOARD GAMES, COUNTER GAMES, AND DICE GAMES.
Claims use since June 24, 1940.

Ser. No. 443,896. STOWE-WOODWARD, INC., Newton and Newton Upper Falls, Mass. Filed May 24, 1941.

CURVAL

FOR BOWLING BALLS.
Claims use since Sept. 20, 1940.

Ser. No. 443,958. SPALDING SALES CORPORATION, Chicopee, Mass. Filed May 26, 1941.

EAGLE

FOR GOLF BALLS.
Claims use since Oct. 1, 1919.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 433,110. TWIN DISC CLUTCH COMPANY, Racine, Wis. Filed June 17, 1940.

TWIN DISC

FOR HYDRAULIC TORQUE CONVERTERS AND HYDRAULIC COUPLINGS.
Claims use on hydraulic torque converters since Sept. 26, 1938; and on hydraulic couplings since Aug. 7, 1939.

Ser. No. 442,315. EDISON GENERAL ELECTRIC APPLIANCE COMPANY, INC., Chicago, Ill. Filed Apr. 5, 1941.

hotpoint

FOR MACHINES FOR CUTTING OR GRINDING GARBAGE OR THE LIKE.
Claims use since December, 1937.

Ser. No. 442,607. SEARS, ROEBUCK AND CO., doing business as David Bradley Manufacturing Works, Chicago, Ill. Filed Apr. 15, 1941.

Corn Master

FOR CORN PLANTERS.
Claims use since February, 1940.

Ser. No. 443,028. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif. Filed Apr. 26, 1941.

AVALON

FOR VACUUM CLEANERS AND SEWING MACHINES.
Claims use since November, 1940.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 440,401. ALTORFER BROS. COMPANY, Peoria, Ill. Filed Feb. 7, 1941.

ABC-O-MATIC

FOR LAUNDRY WASHING MACHINES.
Claims use since Dec. 4, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 441,912. WILLIS B. HARGREAVES, Portland, Oreg. Filed Mar. 25, 1941.

FOTOMODE

FOR COLLAPSIBLE PORTABLE MACHINE FOR PHOTOGRAPHING OBJECTS AT A FIXED FOCUS, APERTURE, LIGHTING, AND TIMING.
Claims use since July 20, 1940.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 431,100. LILLIAN RUSSELL, Kew Gardens, Long Island, New York. Filed Apr. 22, 1940.

Lillian Russell

The mark is a facsimile of applicant's signature.
FOR COSTUME JEWELRY NOT INCLUDING WATCHES, FINGER RINGS, BRACELETS, LAVALIERES, LOCKETS, BROOCHES, ORNAMENTAL PINS.
Claims use since Mar. 4, 1934.

Ser. No. 442,611. SPEIDEL CORPORATION, Providence, R. I. Filed Apr. 15, 1941.

Mignon

FOR BRACELETS AND BRACELET AND JEWELRY CHAINS GENERALLY.
Claims use since Apr. 4, 1941.

Ser. No. 443,420. S & B LEDERER CO., Providence, R. I. Filed May 9, 1941.

SKYLARK

FOR ORNAMENTAL JEWELRY, PARTICULARLY PINS, BROOCHES, CLIPS, NECKLACES, LOCKETS, PENDANTS, BRACELETS AND EARRINGS, ALL OF THE FOREGOING ARTICLES BEING MADE IN WHOLE OR IN PART OF PRECIOUS OR SEMI-PRECIOUS METAL OR BEING PLATED THEREWITH.
Claims use since Apr. 1, 1941.

Ser. No. 443,472. AMERICAN AND CONTINENTAL PATENTED PRODUCTS INC., New York, N. Y. Filed May 12, 1941.

CHAMPS-ELYSEES

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, BAG FRAMES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, JEWELRY INITIALS, CUFF LINKS, STUD BUTTONS.
Claims use since January, 1941.

Ser. No. 443,473. AMERICAN AND CONTINENTAL PATENTED PRODUCTS INC., New York, N. Y. Filed May 12, 1941.

GOLDKIST

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, BAG FRAMES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, CUFF LINKS, STUD BUTTONS, AND JEWELRY INITIALS.
Claims use since January, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 437,856. DEVOE & RAYNOLDS COMPANY, INC., New York, N. Y. Filed Nov. 14, 1940.

GIANT  VALUE

No claim is made to the representation of the brush apart from the mark.
FOR PAINT BRUSHES.
Claims use since May 1, 1936.

Ser. No. 442,058. THE CHARLESTON BROOM MANUFACTURING COMPANY, Charleston, W. Va. Filed Mar. 29, 1941.

PANOBROOM

FOR BROOMS AND BROOMS IN COMBINATION WITH A DUST PAN ATTACHMENT.
Claims use since Mar. 1, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 441,159. DREXEL FURNITURE COMPANY, Drexel, N. C. Filed Mar. 3, 1941.

"Travis Court"

The name "Travis" is disclaimed except as shown.
FOR FURNITURE—VIZ., BUFFETS, SIDEBOARDS, TABLES FOR DINING ROOM USE, SERVING TABLES, CREDENZA BOARDS, TILT TOP SERVERS, CHAIRS, CHINA CABINETS, COMMODE SERVERS, CORNER CABINETS, AND DROPLEAF TABLES.
Claims use since Jan. 9, 1941.

Ser. No. 443,216. ATLUMOR MANUFACTURING CO., INC., Knoxville, Tenn. Filed May 3, 1941.

MINITABLE

FOR TABLES, PARTICULARLY FOLDING TABLES.
Claims use since Oct. 2, 1939.

Ser. No. 443,964. L. A. YOUNG SPRING AND WIRE CORPORATION, Detroit, Mich. Filed May 26, 1941.

Flex-o-lator

FOR SPRING INNER MATS FOR CUSHIONS, MATTRESSES, AND UPHOLSTERED FURNITURE.
Claims use since Nov. 1, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 442,389. COMBUSTION ENGINEERING COMPANY, INC., Wilmington, Del., and New York, N. Y. Filed Apr. 8, 1941.

PIEDMONT *Economizer*

The word "Economizer" is disclaimed apart from the mark.
FOR GAS WATER HEATERS.
Claims use since Dec. 20, 1939.

Ser. No. 442,877. RESEARCH PRODUCTS CORPORATION, Madison, Wis. Filed Apr. 23, 1941.

RP

FOR AIR FILTERS FOR USE WITH HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT.
Claims use since Nov. 22, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 443,433. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed May 9, 1941.

RM

FOR FLAX, JUTE, ASBESTOS, AND RUBBER MACHINERY PACKING; RUBBER AND ASBESTOS GASKETS; BRAKE LINING AND BRAKE LINING MATERIALS; ASBESTOS AND RUBBER BELTING; ASBESTOS AND RUBBER HOSE AND TUBING.
Claims use since Feb. 28, 1940.

Ser. No. 444,025. WEBSTER RUBBER COMPANY, Warren, Ohio. Filed May 28, 1941.

TREAD - LOCK

The word "Tread" is disclaimed apart from the mark.
FOR RUBBER OR RUBBER-CONTAINING BANDS USED IN FORMING OR APPLYING TREADS FOR PNEUMATIC TIRES.
Claims use since May 1, 1941.

Ser. No. 444,074. DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa. Filed May 31, 1941.

PUMCUP

FOR FABRIC CUPS FOR USE IN OIL WELLS AND PUMPS.
Claims use since May 6, 1941.

Ser. No. 444,415. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed June 11, 1941.

AIRMISER

FOR RUBBER AND RUBBER CONTAINING PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.
Claims use since May 20, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 442,781. CHICAGO MUSICAL INSTRUMENT COMPANY, Chicago, Ill. Filed Apr. 21, 1941.

AMERICAN Songster

The word "American" is disclaimed except as shown.
FOR MUSICAL INSTRUMENT FOR PLAYING BIRD CALLS.
Claims use since Mar. 20, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 437,126. DOWIS L. DYER, Tulsa, Okla. Filed Oct. 21, 1940.

Hobby NOTE-ables

The word "Note" is disclaimed apart from the mark.
FOR WRITING PAPER.
Claims use since May 1, 1940.

Ser. No. 442,203. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis. Filed Apr. 2, 1941.

LIQUOTYPE

FOR DUPLICATING PAPER.
Claims use since March, 1935.

Ser. No. 442,509. WEST VIRGINIA MATCH CORP., Wheeling, W. Va. Filed Apr. 11, 1941.

American Ace

No claim is made to the word "American" apart from the mark.
FOR TOILET TISSUE, PAPER NAPKINS, WAXED PAPER, FACIAL TISSUES, AND PAPER TOWELS.
Claims use since Sept. 1, 1936.

Ser. No. 442,538. RAPINWAX PAPER COMPANY, Minneapolis, Minn. Filed Apr. 12, 1941.



The picture is fanciful. No color is claimed.
FOR BREAD WRAPPERS PARTICULARLY DESIGNED FOR WRAPPING LOAVES OF BREAD.
Claims use since Nov. 1, 1939.

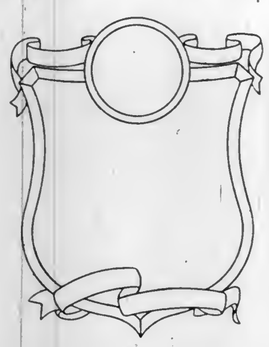
Ser. No. 442,584. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed Apr. 14, 1941.



Prudence

The picture is fanciful.
FOR WAXED PAPER, FACIAL TISSUES, PAPER TOWELS, PAPER NAPKINS, AND FACIAL TISSUE TYPE TOILET PAPER.
Claims use since June 15, 1939.

Ser. No. 443,002. FURNITURE SALES SERVICE CORPORATION, Chicago, Ill. Filed Apr. 26, 1941.



FOR ORDER BLANKS AND BOOKS, DATA BOOKS, FOLDERS, ACCOUNTING FORMS, STATEMENTS, INDEXES, REPORTS, ACCOUNT BOOKS, RECORD CARDS, DEBIT SLIPS, RECEIPTS, VOUCHERS, BLANK APPLICATION FORMS, BLANK REFERENCE LETTERS, AND BLANK ACCOUNT SUMMARIES.
Claims use since Mar. 26, 1941.

Ser. No. 443,136. SAN-NAP-PAK MFG. CO., INC., New York, N. Y. Filed Apr. 30, 1941.

BETTA

FOR CLEANSING TISSUE.
Claims use since Apr. 15, 1941.

Ser. No. 443,154. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed May 1, 1941.

CELAWRAP

FOR ARTIFICIAL RIBBONS SUITABLE FOR TYING, WRAPPING, AND DECORATIVE PURPOSES.
Claims use since Apr. 26, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 443,151. ALL AMERICAN COMICS, INC., New York, N. Y. Filed May 1, 1941.

OLD GLORY COMICS

The word "Comics" is disclaimed apart from the mark.
FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Apr. 21, 1941.

Ser. No. 443,225. M. CHARLES GAINES, New York, N. Y. Filed May 3, 1941.

EDUCATIONAL Comics

Applicant disclaims the word "Comics" apart from the mark.
FOR MAGAZINE PUBLICATION.
Claims use since Apr. 8, 1941.

Ser. No. 443,227. M. CHARLES GAINES, New York, N. Y. Filed May 3, 1941.

TINY TOT COMICS

Applicant disclaims the word "Comics" apart from the mark.
FOR MAGAZINE PUBLICATION.
Claims use since Apr. 8, 1941.

Ser. No. 443,367. THOMAS O. LIVINGSTON, doing business as Livington Laboratories, Worcester, Mass. Filed May 8, 1941.



The word "Prints" is disclaimed apart from the mark.
FOR PHOTOGRAPHIC PAPER PRINTS AND ENLARGEMENTS.
Claims use since Feb. 1, 1940.

Ser. No. 443,543. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed May 13, 1941.

THE JUNIOR DIGEST

FOR PUBLICATION PUBLISHED MONTHLY CONTAINING SERIES OF CARTOONS AND ARTICLES.
Claims use since Apr. 23, 1941.

Ser. No. 442,315. EDISON GENERAL ELECTRIC APPLIANCE COMPANY, INC., Chicago, Ill. Filed Apr. 5, 1941.

hotpoint

FOR MACHINES FOR CUTTING OR GRINDING GARBAGE OR THE LIKE.
Claims use since December, 1937.

Ser. No. 442,607. SEARS, ROEBUCK AND CO., doing business as David Bradley Manufacturing Works, Chicago, Ill. Filed Apr. 15, 1941.

Corn Master

FOR CORN PLANTERS.
Claims use since February, 1940.

Ser. No. 443,028. WESTERN AUTO SUPPLY COMPANY, Los Angeles, Calif. Filed Apr. 26, 1941.

AVALON

FOR VACUUM CLEANERS AND SEWING MACHINES.
Claims use since November, 1940.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 440,401. ALTORFER BROS. COMPANY, Peoria, Ill. Filed Feb. 7, 1941.

ABC-O-MATIC

FOR LAUNDRY WASHING MACHINES.
Claims use since Dec. 4, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 441,912. WILLIS B. HAROLEAVES, Portland, Oreg. Filed Mar. 25, 1941.

FOTOMODE

FOR COLLAPSIBLE PORTABLE MACHINE FOR PHOTOGRAPHING OBJECTS AT A FIXED FOCUS, APERTURE, LIGHTING, AND TIMING.
Claims use since July 20, 1940.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 431,100. LILLIAN RUSSELL, Kew Gardens, Long Island, New York. Filed Apr. 22, 1940.

Lillian Russell

The mark is a facsimile of applicant's signature.
FOR COSTUME JEWELRY NOT INCLUDING WATCHES, FINGER RINGS, BRACELETS, LAVALIERES, LOCKETS, BROOCHES, ORNAMENTAL PINS.
Claims use since Mar. 4, 1934.

Ser. No. 442,611. SPREIDEL CORPORATION, Providence, R. I. Filed Apr. 15, 1941.

Mignon

FOR BRACELETS AND BRACELET AND JEWELRY CHAINS GENERALLY.
Claims use since Apr. 4, 1941.

Ser. No. 443,420. S & B LEDERER CO., Providence, R. I. Filed May 9, 1941.

SKYLARK

FOR ORNAMENTAL JEWELRY, PARTICULARLY PINS, BROOCHES, CLIPS, NECKLACES, LOCKETS, PENDANTS, BRACELETS AND EARRINGS, ALL OF THE FOREGOING ARTICLES BEING MADE IN WHOLE OR IN PART OF PRECIOUS OR SEMI-PRECIOUS METAL OR BEING PLATED THEREWITH.
Claims use since Apr. 1, 1941.

Ser. No. 443,472. AMERICAN AND CONTINENTAL PATENTED PRODUCTS INC., New York, N. Y. Filed May 12, 1941.

CHAMPS-ELYSEES

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, BAG FRAMES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, JEWELRY INITIALS, CUFF LINKS, STUD BUTTONS.
Claims use since January, 1941.

Ser. No. 443,473. AMERICAN AND CONTINENTAL PATENTED PRODUCTS INC., New York, N. Y. Filed May 12, 1941.

GOLDKIST

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, BAG FRAMES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, CUFF LINKS, STUD BUTTONS, AND JEWELRY INITIALS.
Claims use since January, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 437,856. DEVOE & RAYNOLDS COMPANY, INC., New York, N. Y. Filed Nov. 14, 1940.

GIANT  VALUE

No claim is made to the representation of the brush apart from the mark.
FOR PAINT BRUSHES.
Claims use since May 1, 1936.

Ser. No. 442,058. THE CHARLESTON BROOM MANUFACTURING COMPANY, Charleston, W. Va. Filed Mar. 29, 1941.

PANOBROOM

FOR BROOMS AND BROOMS IN COMBINATION WITH A DUST PAN ATTACHMENT.
Claims use since Mar. 1, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 441,159. DREXEL FURNITURE COMPANY, Drexel, N. C. Filed Mar. 3, 1941.

"Travis Court"

The name "Travis" is disclaimed except as shown.
FOR FURNITURE—VIZ., BUFFETS, SIDEBOARDS, TABLES FOR DINING ROOM USE, SERVING TABLES, CREDENZA BOARDS, TILT TOP SERVERS, CHAIRS, CHINA CABINETS, COMMODE SERVERS, CORNER CABINETS, AND DROPLEAF TABLES.
Claims use since Jan. 9, 1941.

Ser. No. 443,216. ATLUMOR MANUFACTURING CO., INC., Knoxville, Tenn. Filed May 3, 1941.

MINITABLE

FOR TABLES, PARTICULARLY FOLDING TABLES.
Claims use since Oct. 2, 1939.

Ser. No. 443,964. L. A. YOUNG SPRING AND WIRE CORPORATION, Detroit, Mich. Filed May 26, 1941.

Flex-o-lator

FOR SPRING INNER MATS FOR CUSHIONS, MATTRESSES, AND UPHOLSTERED FURNITURE.
Claims use since Nov. 1, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 442,389. COMBUSTION ENGINEERING COMPANY, INC., Wilmington, Del., and New York, N. Y. Filed Apr. 8, 1941.

PIEDMONT Economizer

The word "Economizer" is disclaimed apart from the mark.
FOR GAS WATER HEATERS.
Claims use since Dec. 20, 1939.

Ser. No. 442,877. RESEARCH PRODUCTS CORPORATION, Madison, Wis. Filed Apr. 23, 1941.

RP

FOR AIR FILTERS FOR USE WITH HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT.
Claims use since Nov. 22, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 443,433. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed May 9, 1941.

RM

FOR FLAX, JUTE, ASBESTOS, AND RUBBER MACHINERY PACKING; RUBBER AND ASBESTOS GASKETS; BRAKE LINING AND BRAKE LINING MATERIALS; ASBESTOS AND RUBBER BELTING; ASBESTOS AND RUBBER HOSE AND TUBING.
Claims use since Feb. 28, 1940.

Ser. No. 444,025. WEBSTER RUBBER COMPANY, Warren, Ohio. Filed May 28, 1941.

TREAD - LOCK

The word "Tread" is disclaimed apart from the mark.
FOR RUBBER OR RUBBER-CONTAINING BANDS USED IN FORMING OR APPLYING TREADS FOR PNEUMATIC TIRES.
Claims use since May 1, 1941.

Ser. No. 444,074. DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa. Filed May 31, 1941.

PUMCUP

FOR FABRIC CUPS FOR USE IN OIL WELLS AND PUMPS.
Claims use since May 6, 1941.

Ser. No. 444,415. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed June 11, 1941.

AIRMISER

FOR RUBBER AND RUBBER CONTAINING PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.
Claims use since May 20, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 442,781. CHICAGO MUSICAL INSTRUMENT COMPANY, Chicago, Ill. Filed Apr. 21, 1941.

AMERICAN *Songster*

The word "American" is disclaimed except as shown.
FOR MUSICAL INSTRUMENT FOR PLAYING BIRD CALLS.
Claims use since Mar. 20, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 437,126. DOWIS L. DYER, Tulsa, Okla. Filed Oct. 21, 1940.

Hobby NOTE-*ables*

The word "Note" is disclaimed apart from the mark.
FOR WRITING PAPER.
Claims use since May 1, 1940.

Ser. No. 442,203. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis. Filed Apr. 2, 1941.

LIQUOTYPE

FOR DUPLICATING PAPER.
Claims use since March, 1935.

Ser. No. 442,509. WEST VIRGINIA MATCH CORP., Wheeling, W. Va. Filed Apr. 11, 1941.

American Ace

No claim is made to the word "American" apart from the mark.
FOR TOILET TISSUE, PAPER NAPKINS, WAXED PAPER, FACIAL TISSUES, AND PAPER TOWELS.
Claims use since Sept. 1, 1936.

Ser. No. 442,538. RAPINWAX PAPER COMPANY, Minneapolis, Minn. Filed Apr. 12, 1941.



The picture is fanciful. No color is claimed.
FOR BREAD WRAPPERS PARTICULARLY DESIGNED FOR WRAPPING LOAVES OF BREAD.
Claims use since Nov. 1, 1939.

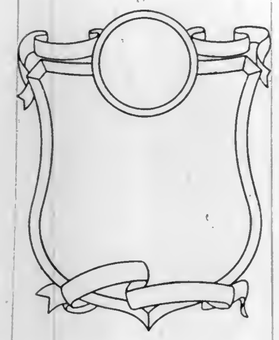
Ser. No. 442,584. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed Apr. 14, 1941.



Prudence

The picture is fanciful.
FOR WAXED PAPER, FACIAL TISSUES, PAPER TOWELS, PAPER NAPKINS, AND FACIAL TISSUE TYPE TOILET PAPER.
Claims use since June 15, 1939.

Ser. No. 443,002. FURNITURE SALES SERVICE CORPORATION, Chicago, Ill. Filed Apr. 26, 1941.



FOR ORDER BLANKS AND BOOKS, DATA BOOKS, FOLDERS, ACCOUNTING FORMS, STATEMENTS, INDEXES, REPORTS, ACCOUNT BOOKS, RECORD CARDS, DEBIT SLIPS, RECEIPTS, VOUCHERS, BLANK APPLICATION FORMS, BLANK REFERENCE LETTERS, AND BLANK ACCOUNT SUMMARIES.
Claims use since Mar. 26, 1941.

Ser. No. 443,136. SAN-NAP-PAK MFG. CO., INC., New York, N. Y. Filed Apr. 30, 1941.

BETTA

FOR CLEANSING TISSUE.
Claims use since Apr. 15, 1941.

Ser. No. 443,154. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed May 1, 1941.

CELAWRAP

FOR ARTIFICIAL RIBBONS SUITABLE FOR TYING, WRAPPING, AND DECORATIVE PURPOSES.
Claims use since Apr. 26, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 443,151. ALL AMERICAN COMICS, INC., New York, N. Y. Filed May 1, 1941.

OLD GLORY COMICS

The word "Comics" is disclaimed apart from the mark.
FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Apr. 21, 1941.

Ser. No. 443,225. M. CHARLES GAINES, New York, N. Y. Filed May 3, 1941.

EDUCATIONAL *Comics*

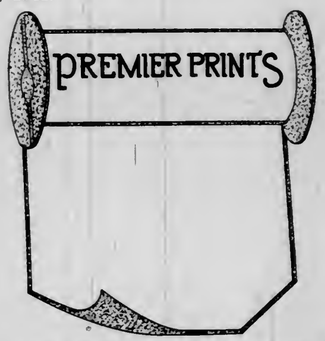
Applicant disclaims the word "Comics" apart from the mark.
FOR MAGAZINE PUBLICATION.
Claims use since Apr. 8, 1941.

Ser. No. 443,227. M. CHARLES GAINES, New York, N. Y. Filed May 3, 1941.

TINY TOT COMICS

Applicant disclaims the word "Comics" apart from the mark.
FOR MAGAZINE PUBLICATION.
Claims use since Apr. 8, 1941.

Ser. No. 443,367. THOMAS O. LIVINGSTON, doing business as Livington Laboratories, Worcester, Mass. Filed May 8, 1941.



The word "Prints" is disclaimed apart from the mark.
FOR PHOTOGRAPHIC PAPER PRINTS AND ENLARGEMENTS.
Claims use since Feb. 1, 1940.

Ser. No. 443,543. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed May 13, 1941.

THE JUNIOR DIGEST

FOR PUBLICATION PUBLISHED MONTHLY CONTAINING SERIES OF CARTOONS AND ARTICLES.
Claims use since Apr. 23, 1941.

Ser. No. 443,550. AMERICAN MOTEL ASSOCIATION, INC., East Orange, N. J. Filed May 14, 1941.

MOTEL

FOR TRAVEL GUIDES PUBLISHED QUARTERLY.
Claims use since July 1, 1937.

Ser. No. 443,746. EMIL BRISACHER, doing business as Brisacher, Davis & Staff, San Francisco, Calif. Filed May 21, 1941.

A BARREL OF FUN

FOR PERIODICAL PROGRAM SKITS FOR RADIO STATIONS SOLD AS PUBLICATION IN INTERSTATE TRADE.
Claims use since Dec. 3, 1940.

Ser. No. 443,856. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed May 23, 1941.

Calling All GIRLS

FOR PUBLICATION PUBLISHED MONTHLY CONTAINING SERIES OF CARTOONS, FICTION, ARTICLES, AND EDITORIAL MATTER.
Claims use since May 15, 1941.

CLASS 39

CLOTHING

Ser. No. 432,708. LITTLE COUNTESS GIRLS COATS CO., INC., New York, N. Y. Filed June 5, 1940.

DURACUNA EXCLUSIVE

The word "Exclusive" is disclaimed apart from the mark.
FOR GIRLS', CHILDREN'S, AND INFANTS' COATS, CAPES, SKIRTS, AND JACKETS.
Claims use since Mar. 19, 1940.

Ser. No. 432,873. W. S. SHUTTS, Kansas City, Mo. Filed June 10, 1940.

Smart Maid

FOR LADIES' HOSIERY.
Claims use since May 16, 1940.

Ser. No. 436,193. WOHL SHOE COMPANY, St. Louis, Mo. Filed Sept. 20, 1940.

NATURAL PERFECT ARCH POISE

Swankies

No claim is made to the phrase "Perfect Arch" apart from the mark.
FOR WOMEN'S, GIRLS', AND CHILDREN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since June 17, 1937.

Ser. No. 438,745. PHILIP SHLANSKY & BRO., INC., New York, N. Y. Filed Dec. 11, 1940.

Navigator

FOR WOMEN'S AND MISSES' PILE FABRIC AND CLOTH COATS AND CLOTH SUITS.
Claims use since May 1, 1939.

Ser. No. 439,641. WELLS LAMONT SMITH CORPORATION, Chicago, Ill. Filed Jan. 13, 1941.

MULE

FOR WORK GLOVES.
Claims use since Nov. 1, 1927.

Ser. No. 440,182. CHAS. A. STEVENS & CO., Chicago, Ill. Filed Jan. 31, 1941.

Career-ette
CHAS·A·STEVENS·&·CO.

The name "Chas. A. Stevens & Co." is disclaimed except as shown.
FOR CHILDREN'S CLOTHING—NAMELY, COATS, DRESSES, JACKETS, OUTER SKIRTS, SLACKS, BLOUSES, SWEATERS, HATS, OUTER SHORTS, AND BATHING SUITS.
Claims use since Dec. 23, 1940.

Ser. No. 440,564. SOVEREIGN GRAND LODGE OF THE I. O. O. F., Baltimore, Md. Filed Feb. 11, 1941. Under act of Feb. 20, 1905, as amended June 10, 1938.



FOR ROBES AND REGALIA TO BE WORN ON THE PERSON TO DESIGNATE RANK AND STATION WITHIN A FRATERNAL ORDER.
Claims use since Sept. 30, 1940.

Ser. No. 441,413. RED HEAD BRAND COMPANY, Chicago, Ill. Filed Mar. 10, 1941.

Fishuntex

FOR MEN'S AND WOMEN'S CAPS, COATS, PANTS, VESTS, AND OUTER SHIRTS.
Claims use since Jan. 22, 1941.

Ser. No. 442,237. SAMUEL LISH, New York, N. Y. Filed Apr. 3, 1941.

a yearounder HI-KLIK

The words "A Yearounder," are disclaimed apart from the mark.
FOR WOMEN'S AND CHILDREN'S HATS, BERETS, AND TAM-O-SHANTERS.
Claims use since Dec. 9, 1940.

Ser. No. 442,678. WEMBLEY, INC., New Orleans, La. Filed Apr. 17, 1941.

Wembley Classic Ties

Applicant disclaims the words "Classic" and "Ties" apart from the mark.
FOR MEN'S NECKTIES AND SCARFS.
Claims use since April, 1940.

Ser. No. 442,700. GIMBEL BROTHERS, INC., New York, N. Y. Filed Apr. 18, 1941.

Lady Cecelia

FOR WOMEN'S APPAREL—NAMELY, DRESSES, COATS, UNDERWEAR, SWEATERS, BLOUSES, CORSETS, SCARFS, GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, SHOES MADE OF RUBBER, LEATHER AND FABRIC AND COMBINATIONS THEREOF, BATHING SUITS, JACKETS, PLAYSUITS, SLACK SETS.
Claims use since Apr. 15, 1937.

Ser. No. 442,810. PAUL WALLACH AND KURT STEINBERG, New York, N. Y. Filed Apr. 21, 1941.

RAXON

FOR NECKTIES, SCARFS, AND HANDKERCHIEFS.
Claims use since Mar. 20, 1941.

Ser. No. 442,888. PHOENIX DRESS CO., Milwaukee, Wis. Filed Apr. 23, 1941.

Dixie Darnet

FOR LADIES' DRESSES, COATS, JACKETS, BLOUSES, SKIRTS, AND SUITS.
Claims use since Mar. 1, 1941.

Ser. No. 442,910. MARLENE SPORTWEAR CO., INC., New York, N. Y. Filed Apr. 24, 1941.

The BROOMSTIK SKIRT
A Marlene SPORTWEAR CREATION

The wording "The Broomstik Skirt" and "Sportwear Creation" is disclaimed apart from the mark.
FOR LADIES' AND MISSES' SKIRTS.
Claims use since Feb. 1, 1940.

Ser. No. 443,095. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Apr. 29, 1941.

"Sky Lasts"

No claim is made to the word "Lasts" apart from the mark.

FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR COMBINATIONS THEREOF.

Claims use since Mar. 4, 1941.

Ser. No. 443,099. Z. & R. MERCHANDISE CO., New York, N. Y. Filed Apr. 29, 1941.

ZESTWEAR

FOR UNDERWEAR, SLIPS, PANTIES, VESTS, HOSIERY, HOUSE DRESSES, LEATHER OR FABRIC GLOVES, NIGHTGOWNS, PAJAMAS, AND APRONS FOR LADIES AND CHILDREN, AND HOSIERY, OUTER SHIRTS, UNDERSHIRTS, SOCKS, UNDERWEAR, LEATHER OR FABRIC GLOVES, AND PAJAMAS FOR MEN AND BOYS.

Claims use since Mar. 20, 1941.

Ser. No. 443,131. THE NEW ENGLAND KNITTING CO., Winsted, Conn. Filed Apr. 30, 1941.

NEKCONIT

FOR WOVEN AND KNITTED UNDERWEAR AND OUTERWEAR, CONSISTING OF SWEATERS, PULLOVERS, SHIRTS, JACKETS, COATS, VESTS, WINDBREAKERS, AND SPORT SUITS FOR MEN.

Claims use since 1926.

Ser. No. 443,142. TREO COMPANY, INC., New York, N. Y. Filed Apr. 30, 1941.

TREO

FOR GIRDLES, CORSETS, BRASSIÈRES, PANTIES, CORSELETS, BANDEAUX, GARTER BELTS, MATERNITY BELTS, MATERNITY GIRDLES, AND FOUNDATION GARMENTS.

Claims use since 1913 on girdles; since 1916 on remaining goods.

Ser. No. 443,204. THE NEW ENGLAND KNITTING CO., Winsted, Conn. Filed May 2, 1941.

Kerma

FOR WOVEN AND KNITTED OUTERWEAR, CONSISTING OF SWEATERS, PULLOVERS, SHIRTS, JACKETS, COATS, VESTS, WINDBREAKERS, AND SPORT SUITS FOR MEN, WOMEN, AND CHILDREN.

Claims use since 1934.

Ser. No. 443,309. M. G. VAN ARSDALE, INC., New York, N. Y. Filed May 6, 1941.

HOOFIES

FOR COMBINATION FOOTWEAR COMPRISING A COMBINATION SOCK AND SLIPPER.

Claims use since Apr. 24, 1941.

Ser. No. 443,338. THE NEW ENGLAND KNITTING CO., Winsted, Conn. Filed May 7, 1941.

SPINNAKER

FOR WOVEN AND KNITTED OUTERWEAR CONSISTING OF SWEATERS, PULLOVERS, SHIRTS, JACKETS, COATS, VESTS, WINDBREAKERS, AND SPORT SUITS FOR MEN, WOMEN, AND CHILDREN.

Claims use since 1934.

Ser. No. 443,373. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed May 8, 1941.

"HI GIRL"

FOR COATS, DRESSES, JACKETS, OUTER AND UNDER SKIRTS, SWEATERS, BLOUSES, HATS, AND LINGERIE—NAMELY, SLIPS, PAJAMAS, BRASSIÈRES, PANTIES, VESTS, ALL FOR GIRLS.

Claims use since Apr. 22, 1941.

Ser. No. 443,457. GRANITE HOSIERY MILLS, INC., Souderton, Pa. Filed May 10, 1941.

KRINKLE-SHEER

No claim is made to the word "Sheer" apart from the mark.

FOR LADIES' FULL FASHIONED HOSIERY.

Claims use since Nov. 25, 1937.

Ser. No. 443,458. GRANITE HOSIERY MILLS, INC., Souderton, Pa. Filed May 10, 1941.

KRINKLE
GAY L'SHEER

No claim is made to the word "Sheer" apart from the mark.

FOR LADIES' FULL FASHIONED HOSIERY.

Claims use since Sept. 11, 1940.

Ser. No. 443,463. OLD COLONY KNITTING MILLS, INC., Hingham, Mass. Filed May 10, 1941.

fluff-ters

No claim is made to the word "Fluff" apart from the mark.

FOR SWEATERS FOR CHILDREN, MISSES, WOMEN, AND MEN.

Claims use since Aug. 22, 1938.

Ser. No. 443,544. SLIPCO, Shelton, Conn. Filed May 13, 1941.

Sanfa-Slip

No claim is made to the word "Slip" apart from the mark.

FOR WOMEN'S SLIPS.

Claims use since Aug. 1, 1937.

Ser. No. 443,671. THE SUPERB GLOVE CO., Johnstown and New York, N. Y. Filed May 17, 1941.

HOT HOUSE

FOR MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.

Claims use since Apr. 3, 1940.

Ser. No. 443,672. THAYER MCNEIL COMPANY, Boston, Mass. Filed May 17, 1941.

ThoroCrafts

FOR BOOTS AND SHOES MADE OF LEATHER, CLOTH, OR RUBBER, OR ANY COMBINATION THEREOF.

Claims use since Mar. 15, 1941.

Ser. No. 443,790. WIMELBACHER & RICE, New York, N. Y. Filed May 21, 1941.

"GOALEE"

FOR LADIES' LEATHER AND FABRIC GLOVES.

Claims use since May 12, 1941.

Ser. No. 443,791. WIMELBACHER & RICE, New York, N. Y. Filed May 21, 1941.

"MOP-EMS"

FOR LADIES' LEATHER AND FABRIC GLOVES.

Claims use since May 9, 1941.

Ser. No. 444,049. LORD'S SPORTWEAR, INC., New York, N. Y. Filed May 29, 1941.

LORDLEIGH

FOR LADIES' DRESSES OF RAYON, COTTON, SILK, SILK MIXTURES, AND WOOL.

Claims use since July 1, 1940.

Ser. No. 444,120. GALUMBECK & CO., Asheville, N. C. Filed June 2, 1941.

TIPPIE

FOR HOSIERY AND SWEATERS FOR MEN, WOMEN, AND CHILDREN.

Claims use since Jan. 1, 1941.

Ser. No. 444,550. STANDARD KNITTING MILLS, INC., Knoxville, Tenn. Filed June 14, 1941.

Kut-Ups

FOR ATHLETIC SHIRTS, SHORTS, AND KNITTED UNDERWEAR FOR MEN, BOYS, WOMEN, AND GIRLS.

Claims use since May, 1939.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 442,352. R. H. COMEY COMPANY, INC., Brooklyn, N. Y. Filed Apr. 7, 1941.

NANLAC

FOR HAT BRAIDS.

Claims use since Oct. 15, 1940.

Ser. No. 443,025. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Apr. 26, 1941.

CLEARLITE

FOR KNITTING NEEDLES FOR HAND USE.
Claims use since Mar. 17, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 443,410. FALL RIVER CURTAIN CO. INC., Fall River, Mass., and New York, N. Y. Filed May 9, 1941.

Covered Wagon

Curtain

The word "Curtain" is disclaimed apart from the mark.
FOR CURTAINS AND DRAPERIES.
Claims use since November, 1940.

Ser. No. 443,411. FALL RIVER CURTAIN CO., INC., Fall River, Mass., and New York, N. Y. Filed May 9, 1941.

PERSONALIZED

Curtains

The word "Curtain" is disclaimed apart from the mark.
FOR CURTAINS AND DRAPERIES.
Claims use since August, 1940.

Ser. No. 443,477. CALLAWAY MILLS, La Grange, Ga. Filed May 12, 1941.

CALLAWAY TOWELS
ABSORBenized*
Specially treated to
DRY YOU FASTER

The words "Towels" and "Specially Treated to Dry You Faster" are disclaimed apart from the mark. The drawing is lined for gold.
FOR COTTON TEXTILE TOWELS.
Claims use since May 1, 1941.

Ser. No. 443,615. MARION W. NEWTON, New York, N. Y. Filed May 15, 1941.

STORY BOOK QUILTS

The word "Quilts" is disclaimed apart from the mark.
FOR BED COVERINGS AND TABLE COVERINGS.
Claims use since Apr. 1, 1941.

Ser. No. 444,072. CROWN FABRICS CORPORATION, New York, N. Y. Filed May 31, 1941.

AMERILIN

FOR COTTON, SPUN RAYON, AND SPUN ACETATE FABRICS, AND MIXTURES THEREOF IN THE PIECE.
Claims use since May 20, 1941.

Ser. No. 444,075. A. DAVIS & SONS, INC., New York, N. Y. Filed May 31, 1941.

GLENPACA

FOR TEXTILE FABRICS IN THE PIECE OF WOOL, MOHAIR, AND COMBINATIONS THEREOF.
Claims use since Oct. 1, 1937.

Ser. No. 444,098. WILLIAM SCHNEIDER, doing business as Vanity Blouse & Sportswear, New York, N. Y. Filed May 31, 1941.

SUNTANA

FOR SPUN RAYON FABRICS IN THE PIECE.
Claims use since Feb. 1, 1941.

Ser. No. 444,135. CROMPTON COMPANY, West Warwick, R. I. Filed June 3, 1941.

LOAFEROY

FOR CORDUROY AND PILE FABRICS IN THE PIECE.
Claims use since Apr. 22, 1941.

Ser. No. 444,176. CROMPTON COMPANY, West Warwick, R. I. Filed June 4, 1941.

LOUNGEROY

FOR FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, OR MIXTURES THEREOF.
Claims use since Apr. 22, 1941.

Ser. No. 444,202. SENECA TEXTILE CORPORATION, New York, N. Y. Filed June 4, 1941.

BENGARAY

FOR COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS.
Claims use since Apr. 30, 1941.

Ser. No. 444,249. BARTMANN & BIXER INC., New York, N. Y. Filed June 6, 1941.

SWANTUB

FOR WINDOW CURTAINS.
Claims use since May 1, 1941.

Ser. No. 444,250. BARTMANN & BIXER INC., New York, N. Y. Filed June 6, 1941.

Swanyon

FOR WINDOW CURTAINS.
Claims use since May 1, 1941.

Ser. No. 444,251. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed June 6, 1941.

CELAPLAID

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since June 4, 1941.

Ser. No. 444,252. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed June 6, 1941.

CELASTRIPE

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since June 4, 1941.

Ser. No. 444,290. JAMES THOMPSON & CO. INC., New York, N. Y. Filed June 6, 1941.

TRIUMPH

FOR BUCKRAMS.
Claims use since January, 1916.

CLASS 43

THREAD AND YARN

Ser. No. 442,825. EMILE BERNAT & SONS CO., Jamaica Plain, Mass. Filed Apr. 22, 1941.

BERNAT

FOR YARNS.
Claims use since Jan. 1, 1925.

Ser. No. 442,826. EMILE BERNAT & SONS CO., Jamaica Plain, Mass. Filed Apr. 22, 1941.

Princess Yarns
A BERNAT PRODUCT

The picture is fanciful. The words "Yarns and Products" are disclaimed apart from the mark.
FOR YARNS.
Claims use since Jan. 1, 1936.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 442,420. MIKINA MANUFACTURING COMPANY, Detroit, Mich. Filed Apr. 9, 1941.

Headmaster

FOR SCALP MASSAGING AND EXERCISING APPARATUS.
Claims use since Dec. 15, 1940.

Ser. No. 443,189. E. FREDERICS, INC., New York, N. Y. Filed May 2, 1941.

tru-Curl

The term "Curl" is disclaimed apart from the mark.
FOR PADS USED IN THE PERMANENT WAVING OF HAIR.
Claims use since Sept. 1, 1940.

Ser. No. 443,759. GERO PRODUCTS, INC., South Boston, Mass. Filed May 21, 1941.

SANI + CROSS

FOR FIRST AID TREATED GAUZE PADS OR STRIPS.
Claims use since Mar. 15, 1939.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 442,638. R. J. REYNOLDS, JR., Atlanta, Ga., assignor to Hep, Inc., Atlanta, Ga., a corporation of Georgia. Filed Apr. 16, 1941.

HEP

FOR NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND CONCENTRATE FOR MAKING THE SAME.
Claims use since June 10, 1940.

Ser. No. 444,103. THE SQUIRT COMPANY, Beverly Hills, Calif. Filed May 31, 1941.



The representation of the boy is fanciful.
FOR NONALCOHOLIC GRAPEFRUIT DRINK BASES, SYRUPS, AND EXTRACTS FOR MAKING SAME.
Claims use since May 20, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 424,325. LANGENDORF UNITED BAKERIES, INC., San Francisco, Calif. Filed Oct. 7, 1939.



The word "Langendorf" is disclaimed apart from the mark.
FOR BREAD.
Claims use since Jan. 12, 1935.

Ser. No. 428,324. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as State Mill & Elevator, Grand Forks, N. Dak. Filed Feb. 7, 1940.



Applicant is the owner of U. S. trade-mark registrations Nos. 230,865 and 230,866, issued Aug. 9, 1927. The words "North Dakota" per se and the representation of a map are disclaimed apart from the mark. The drawing is lined for yellow.
FOR WHEAT FLOUR.
Claims use since July, 1925.

Ser. No. 437,141. MUNZENMAIER BAKING CO. INC., Forest Hills, Long Island, N. Y. Filed Oct. 21, 1940.



No claim is made to the words "Long Island Farm Bread" apart from the mark.
FOR BAKER'S BREAD.
Claims use since Oct. 1, 1940.

Ser. No. 438,557. E. J. ROHTERT, doing business as U-Kan-Eat Food Co., Nashville, Tenn. Filed Dec. 5, 1940.



FOR POTATO CHIPS AND PEANUT BUTTER CHEESE CRACKER SANDWICHES.
Claims use since Nov. 12, 1940.

Ser. No. 440,423. MORTON PACKING COMPANY, Louisville, Ky. Filed Feb. 7, 1941.



FOR VARIOUS CANNED FOOD PRODUCTS—NAMELY, CHICKEN GIZZARDS, CHICKEN BREASTS, CHICKEN HEARTS, CHICKEN LIVERS, CHICKEN DRUMSTICKS, HALF CHICKEN, CHOPPED CHICKEN, GROUND CHICKEN, BONED CHICKEN, CHICKEN BITS, CHICKEN GIBLET DINNER, CHICKEN NOODLE DINNER, CHICKEN BROTH, BONED TURKEY, AND CHICKEN A LA KING.
Claims use since November, 1937.

Ser. No. 440,735. SCALIA'S, Portland, Oreg. Filed Feb. 17, 1941.



FOR SLICED RAW VEGETABLE SALADS.
Claims use since Feb. 1, 1940.

Ser. No. 441,001. RUBY FARIS SULLIVAN, doing business as Mrs. Sullivan's Pie Shop, Jackson, Tenn. Filed Feb. 26, 1941.



Applicant disclaims the words, "Mrs. Sullivan's" apart from the mark.
FOR PIES.
Claims use since Jan. 18, 1935.

Ser. No. 441,740. NATIONAL LEAD COMPANY, New York, N. Y. Filed Mar. 20, 1941.



FOR LINSEED MEAL WHICH IS USED AS LIVESTOCK AND DAIRY FEED OR AS AN INGREDIENT IN SUCH FEEDS.
Claims use since January, 1941.

Ser. No. 441,866. OLIVE LOUISE HAGLEY, doing business as Hagley Candy Company, Chicago, Ill. Filed Mar. 24, 1941.



FOR CANDIES.
Claims use since Nov. 15, 1940.

Ser. No. 442,516. CHARLESTON MILLING COMPANY, Charleston, W. Va. Filed Apr. 12, 1941.



The solid black areas represent blue and the broad white lines represent red. The remaining diagonal and criss-cross lining has a white background.
FOR WHEAT FLOUR CONTAINING VITAMIN AND IRON INGREDIENTS.
Claims use since Mar. 7, 1941.

Ser. No. 442,573. STANDARD RICE COMPANY, INC., Houston, Tex. Filed Apr. 14, 1941.



Applicant is the owner of the following registered trade-marks: No. 81,365, Mar. 28, 1911; No. 248,685, Oct. 30, 1928; No. 284,391, June 23, 1931; No. 294,659, June 7, 1932; No. 332,943, Mar. 3, 1936.
FOR RICE.
Claims use since Nov. 15, 1910.

Ser. No. 442,657. FROST COOKED FOODS, INC., Boston, Mass. Filed Apr. 17, 1941.



FOR COOKED FOOD PRODUCTS—VIZ., LOBSTER NEWBURG, CHICKEN PIE, CHICKEN A LA KING, ROAST TURKEY, TURKEY A LA KING, CREAM HALIBUT, CREAMED HADDOCK, HALIBUT A LA KING, BAKED APPLE PUDDING, CURRY OF CHICKEN.
Claims use since Apr. 11, 1941.

Ser. No. 442,738. TREESWEET PRODUCTS CO., Santa Ana, Calif. Filed Apr. 18, 1941.



FOR CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES—NAMELY, CANNED LEMON JUICE.
Claims use since Mar. 14, 1936.

Ser. No. 442,862. MARCEL COMTE, Jacksonville, Ill. Filed Apr. 23, 1941.

Corned Beef-Cabbage Dinner Bucket

No claim is made to the words "Corned Beef & Cabbage" apart from the mark.
FOR CORNED BEEF AND CABBAGE PUT UP IN COMBINATION IN UNSEALED CONTAINERS.
Claims use since Apr. 7, 1941.

Ser. No. 443,016. S AND W FINE FOODS, INC., doing business as the Rubyette Co., San Francisco, Calif. Filed Apr. 26, 1941.

BEACON HILL

FOR CANNED BAKED BEANS AND BROWN BREAD.
Claims use since Oct. 23, 1940.

Ser. No. 443,732. PLACENTIA PIONEER VALENCIA GROWERS ASSN., Fullerton, Calif. Filed May 20, 1941.

HI-SHINE

FOR FRESH CITRUS FRUITS.
Claims use since May 10, 1941.

Ser. No. 444,166. STRATHMORE CO-OPERATIVE ASSOCIATION, Strathmore, Calif. Filed June 3, 1941.

PLAID

FOR FRESH CITRUS FRUITS.
Claims use since 1924.

CLASS 47

WINES

Ser. No. 441,835. SOUTHERN LIQUOR DISTRIBUTORS, INC., Jacksonville, Fla. Filed Mar. 22, 1941.



The portraits are fanciful.
FOR WINES.
Claims use since August, 1936.

Ser. No. 443,569. ITALIAN AMERICAN WINE CO., INC., New York, N. Y. Filed May 14, 1941.

MANAHATTA



Applicant disclaims all notations except "Manahatta" apart from the mark.
FOR VERMOUTH.
Claims use since Mar. 29, 1941.

Ser. No. 443,587. VERNAT, INC., New York, N. Y. Filed May 14, 1941.

VERNAT

FOR VERMOUTHS—NAMELY, SWEET AND DRY VERMOUTHS.
Claims use since May 10, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 443,162. THE HUDEPOHL BREWING COMPANY, Cincinnati, Ohio. Filed May 1, 1941.

Creme of Cincinnati

The word "Cincinnati" is disclaimed apart from the mark.
FOR BEER OF LEGAL ALCOHOLIC CONTENT.
Claims use since Apr. 24, 1941.

CLASS 50

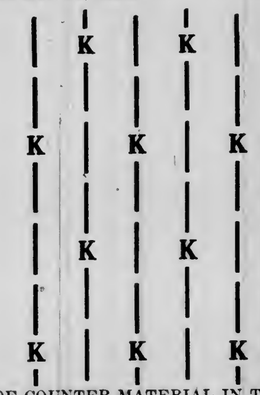
MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 440,826. JOHN MELVILLE, doing business as John Melville & Co., New York, N. Y. Filed Feb. 20, 1941.

WACKAROO

FOR STATUETTES.
Claims use since Jan. 6, 1941.

Ser. No. 441,705. KIMBERLY-CLARK CORPORATION, Neenah, Wis. Filed Mar. 19, 1941.



FOR SHOE COUNTER MATERIAL IN THE NATURE OF ARTIFICIAL LEATHER.
Claims use since Mar. 8, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 22, 1941

388,958. CANNED FRUITS AND CANNED VEGETABLES. BERCUT-RICHARDS PACKING COMPANY, Sacramento, Calif.
Filed June 6, 1938. Serial No. 407,123. PUBLISHED MAY 6, 1941. Class 46.

388,959. HOUSEHOLD FURNITURE—NAMELY, CHAIR SIDE TABLES, COFFEE TABLES, TILT TOP TABLES, COCKTAIL TABLES, ETC. THE WEIMAN COMPANY, Rockford, Ill.
Filed September 2, 1938. Serial No. 410,243. PUBLISHED MAY 13, 1941. Class 32.

388,960. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed March 22, 1939. Serial No. 417,378. PUBLISHED APRIL 29, 1941. Class 6.

388,961. FUNGICIDES, INSECTICIDES, AND DISINFECTANTS. EDWIN M. ROSENBLUTH, doing business as Rose Manufacturing Company, Philadelphia, Pa., Stella S. Rosenbluth, executrix of said Edwin M. Rosenbluth, deceased.
Filed September 23, 1939. Serial No. 423,897. PUBLISHED FEBRUARY 6, 1940. Class 6.

388,962. WHEAT FLOUR. STANDARD MILLING COMPANY, New York, N. Y.
Filed October 26, 1939. Serial No. 424,931. PUBLISHED MAY 13, 1941. Class 46.

388,963. BOXES, CRATES, AND BASKETS, AND PARTS THEREOF MADE OF WOOD AND/OR WOOD VENEER. ACME VENEER PACKAGE CO., INC., Orchard Park, N. Y.
Filed October 28, 1939. Serial No. 424,982. PUBLISHED MAY 13, 1941. Class 2.

388,964. HOUSEHOLD CLEANSER. FEDERATED FOODS, INC., Chicago, Ill.
Filed November 9, 1939. Serial No. 425,465. PUBLISHED NOVEMBER 5, 1940. Class 4.

388,965. NUT BRITTLES USED ONLY FOR FLAVORING ICE CREAM AND SOLD IN BULK. PANGBURN COMPANY, Fort Worth, Tex.
Filed November 24, 1939. Serial No. 425,929. PUBLISHED MAY 13, 1941. Class 46.

388,966. DOLLS, CHECKER-BOARDS AND MOVABLE PIECES, TOY BUILDING BLOCKS, AND CARTOON CUT-OUT TOYS. DON HEYER, Inglewood, Calif.
Filed January 8, 1940. Serial No. 427,245. PUBLISHED MAY 13, 1941. Class 22.

388,967. HAIR OIL, HAIR QUININE, HAIR TONIC, HAIR SHAMPOO, FACE CREAM, SKIN OINTMENT, AND AFTER SHAVE LOTION. REESE AND LINEHAN, Portland, Oreg.
Filed February 5, 1940. Serial No. 428,239. PUBLISHED APRIL 8, 1941. Class 6.

388,968. OZONIDE OF OLIVE OIL IN OLIVE OIL FOR THE TREATMENT OF WOUNDS, BURNS, SKIN INFECTIONS, AND FOR THE PROMOTION OF HEALING. LATIMER LABORATORY, INC., New York, N. Y.
Filed February 24, 1940. Seral No. 428,878. PUBLISHED APRIL 23, 1940. Class 6.

388,969. MACHINERY FOR BUILDING, TREATING, AND RETREADING TIRES—NAMELY, MOLDS, SECTION MOLDS, ETC. AMERICAN TIRE MACHINERY CO., Los Angeles, Calif.
Filed February 27, 1940. Serial No. 428,947. PUBLISHED MAY 13, 1941. Class 23.

388,970. TUNG OIL FOR EXTERNAL APPLICATION FOR THE ALLEVIATION OF CUTS, WOUNDS, AND BURNS, ETC. THE BERGEN CO. INC., Clearwater, Fla.
Filed April 8, 1940. Serial No. 430,479. PUBLISHED MAY 13, 1941. Class 6.

388,971. RYE BREAD AND PUMPERNICKEL. PECHTER BAKING CO., INC., New York, N. Y.
Filed April 17, 1940. Serial No. 430,874. PUBLISHED MAY 13, 1941. Class 46.

388,972. SUITS, WAISTCOATS, TROUSERS, AND COATS FOR THE USE OF MEN, YOUNG MEN, AND BOYS. RAAB CUSTOM TAILORS, INC., Cincinnati, Ohio.
Filed April 23, 1940. Serial No. 431,130. PUBLISHED MAY 13, 1941. Class 39.

388,973. MULTIPLE VITAMIN PREPARATION FOR USE IN PREVENTION AND TREATMENT OF VITAMIN DEFICIENCIES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed May 20, 1940. Serial No. 432,150. PUBLISHED FEBRUARY 18, 1941. Class 6.

388,974. SPECIAL PREPARATION EMBODYING A COMBINATION OF MEATS AND CONDIMENTS FOR USE AS A SANDWICH SPREAD. OLIVER R. DUNN, Kent, Wash.
Filed May 31, 1940. Serial No. 432,513. PUBLISHED MAY 13, 1941. Class 46.

388,975. ORGANIC ODORIFEROUS AND FLAVOR-IMPARTING CHEMICALS; ORGANIC CHEMICALS USED IN PERFUMES, COSMETICS, PAINTS, VARNISHES, ETC. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed June 1, 1940. Serial No. 432,576. PUBLISHED MAY 6, 1941. Class 6.

388,976. ELECTRIC WELDING APPARATUS, INCLUDING PARTS AND ACCESSORIES THEREFOR. HICKINBOTHAM BROS., LTD., Stockton, Calif.
Filed June 24, 1940. Serial No. 433,318. PUBLISHED MAY 13, 1941. Class 21.

388,977. CANNED FRUITS, CANNED VEGETABLES, CANNED FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES AND CANNED TOMATO SAUCE. FILICE AND PERRELLI CANNING COMPANY, INCORPORATED, Richmond, Calif.
Filed July 1, 1940. Serial No. 433,562. PUBLISHED MAY 13, 1941. Class 46.

388,978. PHARMACEUTICAL PREPARATION, MORE SPECIFICALLY A WASH FOR FEMININE HYGIENE. MARTIN P. ROSE, Jackson Heights, N. Y., assignor to United Drug Company, Boston, Mass.
Filed August 3, 1940. Serial No. 434,670. PUBLISHED OCTOBER 1, 1940. Class 6.

388,979. MACHINES FOR CORRUGATING PAPER MATERIAL, MACHINES FOR TAPING BOX BLANKS, MACHINES FOR FOLDING PAPER BLANKS, ETC. S. & S. CORRUGATED PAPER MACHINERY CO., INC., Brooklyn, N. Y.
Filed August 9, 1940. Serial No. 434,843. PUBLISHED MAY 13, 1941. Class 23.

388,980. DISINFECTANT AND ANTISEPTIC PREPARATIONS IN LIQUID FORM. ROCHESTER GERMICIDE COMPANY, Rochester, N. Y.
Filed August 15, 1940. Serial No. 435,030. PUBLISHED OCTOBER 22, 1940. Class 6.

388,981. SPECIALLY PREPARED MEDICINAL PREPARATIONS HAVING NEGLIGIBLE OR NO FOOD VALUE, FOR USE IN TREATMENT OF PHYSICAL AILMENTS WHERE A FAT RESTRICTED OR SUGAR RESTRICTED DIET IS PRESCRIBED, ETC. THE CHICAGO DIETETIC SUPPLY HOUSE, INC., Chicago, Ill.
Filed September 7, 1940. Serial No. 435,749. PUBLISHED APRIL 29, 1941. Class 6.

388,982. LIPSTICK. CLARA HARRIS, Kansas City, Mo.
Filed September 11, 1940. Serial No. 435,870. PUBLISHED MAY 6, 1941. Class 6.

388,983. NASAL INHALERS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed September 28, 1940. Serial No. 436,458. PUBLISHED DECEMBER 24, 1940. Class 6.

388,984. COMPOSITION FOR KILLING RODENTS. P. C. PRODUCT COMPANY, St. Louis, Mo.
Filed September 30, 1940. Serial No. 436,522. PUBLISHED MAY 13, 1941. Class 6.

388,985. BOOK MATCHES. RAY O. DOROW, Wauwatosa, Wis.
Filed November 12, 1940. Serial No. 437,761. PUBLISHED MAY 13, 1941. Class 9.

388,986. BATTERY CHARGERS. HUNTER-HARTMAN CORPORATION, St. Louis, Mo.
Filed November 14, 1940. Serial No. 437,868. PUBLISHED MAY 13, 1941. Class 21.

388,987. SCALP, SKIN, AND HAIR LOTION. CHARLES ZEKIND, doing business as Bedford Drug & Chemical Company, New York, N. Y.
Filed November 19, 1940. Serial No. 438,059. PUBLISHED MAY 6, 1941. Class 6.

388,988. APPARATUS USED IN FACSIMILE AND TELEGRAPH APPARATUS FOR THE TRANSMISSION OF PICTURES AND MESSAGES BY ELECTRIC SIGNALS OVER COMMUNICATION CHANNELS TO REMOTE POINTS. FINCH TELECOMMUNICATIONS, INC., Passaic, N. J.
Filed November 28, 1940. Serial No. 438,301. PUBLISHED MAY 13, 1941. Class 21.

388,989. PHOSPHATES, SODA COMPOUNDS, PINE OIL, PHOSPHORIC ACID, STARCH, SODIUM METACYLICATE FOR TECHNICAL NOT FOOD PURPOSES. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo.
Filed December 9, 1940. Serial No. 438,672. PUBLISHED MAY 13, 1941. Class 6.

388,990. NOSE AND THROAT SPRAY. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y.
Filed December 10, 1940. Serial No. 438,708. PUBLISHED FEBRUARY 18, 1941. Class 6.

388,991. GLASS VASES, TABLE GLASSWARE, GLASS BOXES. THE WHISTLING OYSTER, Ogunquit, Maine.
Filed December 16, 1940. Serial No. 438,916. PUBLISHED MAY 13, 1941. Class 33.

388,992. FACIAL OINTMENT. MEYER FINKELSTEIN, doing business as The Rich Chemical Co., New York, N. Y.
Filed December 26, 1940. Serial No. 439,209. PUBLISHED MAY 6, 1941. Class 6.

388,993. PNEUMATICALLY ACTUATED ROCK DRILLS COMPRISING HAND-HELD SINKERS, MOUNTED DRIFTERS, PLUGGERS AND STOPERS; PNEUMATICALLY ACTUATED PAVING AND CONCRETE BREAKERS; COLUMNS, STEEL AND HOSE FOR ROCK DRILLS; AND PNEUMATICALLY ACTUATED CLAY DIGGERS, AND PARTS AND ACCESSORIES THEREFOR. INDEPENDENT PNEUMATIC TOOL COMPANY, Chicago, Ill.
Filed January 2, 1941. Serial No. 439,343. PUBLISHED APRIL 8, 1941. Class 23.

388,994. SPINDLES FOR HOLDING WOUND YARN OR THREAD AND WITH A CHAIN ATTACHMENT FOR HANGING OVER THE ARM OF THE NEEDLEWORKER. ALPHONS BARUCH, New York, N. Y.
Filed January 7, 1941. Serial No. 439,455. PUBLISHED APRIL 15, 1941. Class 40.

388,995. FRESH FRUITS AND VEGETABLES—NAMELY, STRAWBERRIES, APPLES, ORANGES, TANGERINES, GRAPEFRUIT, LEMONS, ETC. THE H. ROUW COMPANY, Van Buren, Ark.
Filed January 7, 1941. Serial No. 439,474. PUBLISHED MAY 13, 1941. Class 46.

388,996. SPAGHETTI SAUCE. GIOVANNI DI LULLO, Philadelphia, Pa.
Filed January 11, 1941. Serial No. 439,589. PUBLISHED MAY 13, 1941. Class 46.

388,997. ANALGESIC MEDICAL PREPARATION FOR RELIEVING PAINS. ANTONIO MEJIA, Mexico City, Mexico.
Filed January 13, 1941. Serial No. 439,624. PUBLISHED MAY 6, 1941. Class 6.

388,998. BRAKE SHOE LININGS. WINDSOR LLOYD PRODUCTS, INC., Philadelphia, Pa.
Filed January 14, 1941. Serial No. 439,680. PUBLISHED MAY 13, 1941. Class 35.

388,999. EXTERNAL ANTIPHLOGISTIC ADSORBENT FOR HORSES, CATTLE, AND DOGS, FOR ALLAYING PAIN AND REDUCING INFLAMMATION, OR POULTICE MATERIAL. CLIFFORD G. LA CROSSE, Jr., doing business as Maryland Colloid Co., Baltimore, Md.
Filed January 21, 1941. Serial No. 439,814. PUBLISHED MAY 6, 1941. Class 6.

389,000. MISSES' AND JUNIOR COATS AND SUITS. SHIPMAN & BAKER CO., New York, N. Y.
Filed January 23, 1941. Serial No. 439,908. PUBLISHED MAY 6, 1941. Class 39.

389.001. TOILET PREPARATIONS—NAMELY, LIPSTICKS, DRY AND CREME ROUGES, AND FACE POWDERS. FRANCES DENNEY, Philadelphia, Pa.
Filed January 24, 1941. Serial No. 439,927. PUBLISHED MAY 6, 1941. Class 6.

389,002. LIQUID SOLVENT USED TO CLEAN RUBBER BLANKETS AND ROLLERS USED ON LITHOGRAPHIC PRESSES. THE COLEMAN & BELL COMPANY, Norwood, Ohio.
Filed January 28, 1941. Serial No. 440,042. PUBLISHED MAY 13, 1941. Class 4.

389,003. FRESH CITRUS FRUIT. SANTA ANA TUSTIN MUTUAL CITRUS ASSOCIATION, Tustin, Calif.
Filed January 28, 1941. Serial No. 440,061. PUBLISHED MAY 13, 1941. Class 46.

389,004. HAIR OIL, PRESSING OIL, HAIR-CURLING FLUID, FACE POWDER, CLEANSING CREAM. MAMIE LYNN TERRELL, Chicago, Ill.
Filed January 28, 1941. Serial No. 440,067. PUBLISHED MAY 6, 1941. Class 6.

389,005. WOMEN'S, MISSES', AND GIRLS' DRESSES, GOWNS, SUITS, AND COATS. JOE LEVINE DRESS CO. INC., New York, N. Y.
Filed February 1, 1941. Serial No. 440,205. PUBLISHED MAY 13, 1941. Class 39.

389,006. GIRLS' COATS. MIRACLE GIRL COAT HOUSE, INC., New York, N. Y.
Filed February 1, 1941. Serial No. 440,206. PUBLISHED MAY 13, 1941. Class 39.

389,007. LIPSTICKS. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed February 5, 1941. Serial No. 440,342. PUBLISHED MAY 13, 1941. Class 6.

389,008. EXPOSURE AIDS IN PHOTOGRAPHY. LOWE PAPER COMPANY, Ridgefield, N. J.
Filed February 6, 1941. Serial No. 440,374. PUBLISHED MAY 13, 1941. Class 26.

389,009. SPECTACLE FRAMES. UNITED OPTICAL MANUFACTURING CORPORATION, New York, N. Y.
Filed February 6, 1941. Serial No. 440,395. PUBLISHED MAY 13, 1941. Class 26.

389,010. PERFUME, TOILET WATER, EAU DE COLOGNE, DUSTING POWDER, ROUGE, LIPSTICKS, NAIL POLISH, AND VANITY CASES CONTAINING ROUGE AND/OR LIPSTICKS. DOROTHY GRAY SALONS, Bloomfield, N. J., assignor to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware.
Filed February 10, 1941. Serial No. 440,505. PUBLISHED APRIL 1, 1941. Class 6.

389,011. DYES, DYESTUFFS, AND COLORS IN THE NATURE OF TEXTILE DYES. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y.
Filed February 10, 1941. Serial No. 440,518. PUBLISHED MAY 6, 1941. Class 6.

389,012. MALT AND WHEAT BREAKFAST FOODS. SIEMS BROS., INC., St. Paul, Minn.
Filed February 10, 1941. Serial No. 440,523. PUBLISHED MAY 13, 1941. Class 46.

389,013. FRUIT PRESERVES IN THE NATURE OF JAMS OR JELLIES. STACY B. CANOW, Caldwell, N. J.
Filed February 11, 1941. Serial No. 440,551. PUBLISHED MAY 13, 1941. Class 46.

389,014. HOSIERY, SWEATERS, GLOVES OF LEATHER AND/OR FABRIC, AND SCARVES FOR PERSONAL WEAR. PECK & PECK, New York, N. Y.
Filed February 11, 1941. Serial No. 440,563. PUBLISHED APRIL 22, 1941. Class 39.

389,015. HABERDASHERY—NAMELY, NECKTIES, CRAVATS, AND SCARFS. THE U. S. NECKWEAR CORP., New York, N. Y.
Filed February 11, 1941. Serial No. 440,566. PUBLISHED MAY 13, 1941. Class 39.

389,016. PERFUME, COLOGNE, TOILET WATER, FACE POWDER, DUSTING POWDER, SACHET POWDER, TALCUM POWDER, AND LIPSTICK. LUCIEN LELONG, INC., Chicago, Ill.
Filed February 12, 1941. Serial No. 440,601. PUBLISHED MAY 13, 1941. Class 6.

389,017. NASAL MEDICINE FOR NASAL ADMINISTRATION USED IN THE RELIEF OF NASAL CONGESTION, HAY FEVER, ASTHMA, CATARRH, AND SINUS HEADACHES. MARTIN F. EMORY, doing business as The Duo-Haler Company, New York, N. Y.
Filed February 15, 1941. Serial No. 440,678. PUBLISHED MAY 6, 1941. Class 6.

389,018. CHEMICAL COMPOUND CONTAINING LIQUID ALUMINUM ACETO-TARTRATE USED AS AN ASTRINGENT AND ANTIPHLOGISTIC AGENT IN MEDICINAL PREPARATIONS. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J.
Filed February 15, 1941. Serial No. 440,692. PUBLISHED MAY 6, 1941. Class 6.

389,019. GREASELESS SKIN MEDICATION. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J.
Filed February 15, 1941. Serial No. 440,695. PUBLISHED APRIL 29, 1941. Class 6.

389,020. COSMETIC PREPARATION—NAMELY, SUN TAN OIL. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J.
Filed February 15, 1941. Serial No. 440,701. PUBLISHED APRIL 29, 1941. Class 6.

389,021. CAKES. QUALITY CAKING CO. INC., New York, N. Y.
Filed February 15, 1941. Serial No. 440,705. PUBLISHED MAY 13, 1941. Class 46.

389,022. PLASTIC SEALING COMPOUND IN THE NATURE OF A PUTTY. ATLAS PUTTY PRODUCTS CO., Chicago, Ill.
Filed February 17, 1941. Serial No. 440,711. PUBLISHED MAY 13, 1941. Class 16.

389,023. DANDRUFF REMOVER AND SCALP STIMULANT. CAPILLIS, INC., Brooklyn, N. Y.
Filed February 18, 1941. Serial No. 440,741. PUBLISHED APRIL 29, 1941. Class 6.

389,024. SOLDERING PASTE. RUSSELL A. HOOD, doing business as Highland Electro-Chemical Manufacturing Company, Connellsville, Pa.
Filed February 18, 1941. Serial No. 440,747. PUBLISHED MAY 13, 1941. Class 6.

389,025. WINES. ROMA WINE COMPANY, INC., Fresno, Calif.
Filed February 18, 1941. Serial No. 440,758. PUBLISHED MAY 13, 1941. Class 47.

389,026. OILS OF LEMON AND ORANGE FOR FLAVORING CANDIES AND THE LIKE. STANDARD SYNTHETICS, INC., New York, N. Y.
Filed February 18, 1941. Serial No. 440,761. PUBLISHED MAY 13, 1941. Class 46.

389,027. BISCUITS, CRACKERS, AND COOKIES. WALTER D. KAHN, New York, N. Y.
Filed February 19, 1941. Serial No. 440,784. PUBLISHED MAY 13, 1941. Class 46.

389,028. PREPARATION FOR USE ON THE HAIR IN TREATING AND REMOVING DANDRUFF. PETE DE NARDO & SONS, Midland, Pa.
Filed February 20, 1941. Serial No. 440,806. PUBLISHED MAY 13, 1941. Class 6.

389,029. WHEAT FLOUR. H. DITTLINGER ROLLER MILLS CO., New Braunfels, Tex.
Filed February 20, 1941. Serial No. 440,807. PUBLISHED MAY 13, 1941. Class 46.

389,030. SELF-RISING FLOUR. THE NEW ERA MILLING COMPANY, Arkansas City, Kans.
Filed February 21, 1941. Serial No. 440,873. PUBLISHED MAY 6, 1941. Class 46.

389,031. CHEMICAL PRODUCTS FOR USE IN PROCESSING TEXTILES. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed February 24, 1941. Serial No. 440,903. PUBLISHED APRIL 29, 1941. Class 6.

389,032. CANNED MIXED VEGETABLE JUICES. OELERICH & BERRY COMPANY, Chicago, Ill.
Filed February 24, 1941. Serial No. 440,952. PUBLISHED MAY 13, 1941. Class 46.

389,033. MEDICINAL PREPARATION FOR THE RELIEF OF COUGHS DUE TO COLDS. G. D. SEARLE & Co., Chicago, Ill.
Filed February 24, 1941. Serial No. 440,957. PUBLISHED APRIL 29, 1941. Class 6.

389,034. COMPOUND OF EVAPORATED SKIMMED MILK AND VEGETABLE OIL FOR FOOD PURPOSES. CAROLENE PRODUCTS Co., Litchfield, Ill.
Filed February 24, 1941. Serial No. 440,971. PUBLISHED MAY 13, 1941. Class 46.

389,035. LIPSTICKS, LIPSTICK REFILLS, EAU DE COLOGNE, BATH OIL, BODY LOTION, BODY REFRESHENER, DUSTING POWDER, AND BUBBLE BATH. ANTOINE DE PARIS, INC., New York, N. Y., and Hoboken, N. J.
Filed February 25, 1941. Serial No. 440,975. PUBLISHED APRIL 29, 1941. Class 6.

389,036. DECARBONIZING AND DEGUMMING LIQUID DETERGENT OR CLEANING COMPOUND USED FOR CLEANING OR PURGING INTERNAL COMBUSTION ENGINES, INCLUDING THE INTERNAL PARTS OR INSIDE SURFACES OF AUTOMOTIVE AND DIESEL ENGINES. THE CURRAN CORPORATION, Malden, Mass.
Filed February 26, 1941. Serial No. 441,015. PUBLISHED MAY 6, 1941. Class 6.

389,037. MEDICINAL PREPARATION FOR THE TREATMENT OF DISORDERS OF THE PERIPHERAL CIRCULATORY SYSTEM AND FOR STIMULATION OF THE PARA-SYMPATHETIC NERVOUS SYSTEM. MERCK & CO., INC., Rahway, N. J.
Filed February 26, 1941. Serial No. 441,027. PUBLISHED APRIL 29, 1941. Class 6.

389,038. LEG MAKE-UP. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed February 26, 1941. Serial No. 441,037. PUBLISHED MAY 13, 1941. Class 6.

389,039. FEED SUPPLEMENT FOR POULTRY AND STOCK FEED, CONTAINING VITAMINS AND MINERALS. THE VIBOSOL COMPANY, Charlottesville, Va.
Filed February 26, 1941. Serial No. 441,040. PUBLISHED MAY 13, 1941. Class 46.

389,040. ANTIFREEZE COMPOSITIONS. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y.
Filed February 27, 1941. Serial No. 441,048. PUBLISHED APRIL 29, 1941. Class 6.

389,041. ANTIFREEZE COMPOSITIONS. COMMERCIAL SOLVENTS CORPORATION, New York, N. Y.
Filed February 27, 1941. Serial No. 441,049. PUBLISHED APRIL 29, 1941. Class 6.

389,042. SKIN CLEANSER AND STAIN REMOVER. THE ANDERSON COMPANY, Gary, Ind.
Filed February 28, 1941. Serial No. 441,074. PUBLISHED MAY 13, 1941. Class 4.

389,043. NONALCOHOLIC MALTLESS FRUIT JUICE BEVERAGE SOLD AS A SOFT DRINK. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y.
Filed February 28, 1941. Serial No. 441,086. PUBLISHED MAY 13, 1941. Class 45.

389,044. WATCH CRYSTALS. L. I. C. CRYSTAL CORPORATION, New York, N. Y.
Filed February 28, 1941. Serial No. 441,094. PUBLISHED MAY 13, 1941. Class 33.

389,045. LOCAL ANESTHETIZING, NERVE BLOCKING TABLETS, LOCAL ANESTHETIZING, NERVE BLOCKING POWDERS, ETC. ARTHUR E. SMITH, Los Angeles, Calif.
Filed February 28, 1941. Serial No. 441,112. PUBLISHED MAY 6, 1941. Class 6.

389,046. SACHETS. TRUNDLE-BED PILLOWS, Larchmont, N. Y.
Filed February 28, 1941. Serial No. 441,115. PUBLISHED MAY 13, 1941. Class 6.

389,047. PERFUME, TOILET WATER, EAU DE COLOGNE, FACE POWDER, BATH POWDER, TALCUM POWDER, BUBBLING BATH ESSENCE, BATH CRYSTALS, ETC. BOURJOIS, INC., New York, N. Y.
Filed March 1, 1941. Serial No. 441,123. PUBLISHED APRIL 29, 1941. Class 6.

389,048. SHOELACES AND MIDDY BLOUSE LACES. THE NARROW FABRIC COMPANY, West Reading, Pa.
Filed March 1, 1941. Serial No. 441,138. PUBLISHED MAY 6, 1941. Class 40.

389,049. DRESS SHIELDS. WILLIAM NETZKY, doing business as Susquehanna Waist Company, Philadelphia, Pa.
Filed March 1, 1941. Serial No. 441,140. PUBLISHED MAY 6, 1941. Class 40.

389,050. BRUSHLESS SHAVING CREAM. CLYDE COLLINS, INC., also doing business as King Cotton Laboratories, Memphis, Tenn.
Filed March 3, 1941. Serial No. 441,157. PUBLISHED MAY 13, 1941. Class 4.

389,051. DRESSED POULTRY. CARL SCHALLINGER Co., San Francisco, Calif.
Filed March 3, 1941. Serial No. 441,184. PUBLISHED MAY 13, 1941. Class 46.

389,052. NATURAL SPRING WATER. T. W. HARDISON, doing business as Petit Jean Springs Company, Morrilton, Ark.
Filed March 4, 1941. Serial No. 441,203. PUBLISHED MAY 13, 1941. Class 45.

389,053. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed March 4, 1941. Serial No. 441,205. PUBLISHED MAY 6, 1941. Class 40.

389,054. SALVE INDICATED IN THE RELIEF OF MINOR RECTAL IRRITATIONS. MARSHALL LOW, Elizabeth, N. J.
Filed March 4, 1941. Serial No. 441,211. PUBLISHED APRIL 29, 1941. Class 6.

389,055. YEAST CONTAINING VITAMIN D IN POWDER AND TABLET FORM. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif., and Buffalo, N. Y., now by change of name Nion Corporation, a corporation of California.
Filed March 4, 1941. Serial No. 441,212. PUBLISHED MAY 13, 1941. Class 6.

389,056. PREPARATIONS FOR THE TREATMENT AND/OR PREVENTION OF DIETARY DEFICIENCIES, IN ANY FORM, INCLUDING SUSPENSIONS OF METABOLIC AGENTS, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed March 4, 1941. Serial No. 441,216. PUBLISHED MAY 13, 1941. Class 6.

389,057. FISH LURES. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed March 5, 1941. Serial No. 441,245. PUBLISHED MAY 13, 1941. Class 22.

389,058. FISH LURES. JAMES HEDDON'S SONS, Dowagiac, Mich.
Filed March 5, 1941. Serial No. 441,247. PUBLISHED MAY 13, 1941. Class 22.

389,059. MULTIPURPOSE LIQUID CREAM FOR CONDITIONING THE SKIN. SALES AFFILIATES, INC., New York. N. Y.
Filed March 5, 1941. Serial No. 441,257. PUBLISHED MAY 13, 1941. Class 6.

389,060. LEATHER SOFTENING PREPARATIONS AND DETERGENTS FOR USE IN THE TEXTILE INDUSTRY, IN THE PAPER INDUSTRY, AND IN THE LEATHER INDUSTRY. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed March 6, 1941. Serial No. 441,291. PUBLISHED MAY 13, 1941. Class 4.

389,061. GLASS TABLEWARE. THE FEDERAL GLASS COMPANY, Columbus, Ohio.
Filed March 7, 1941. Serial No. 441,316. PUBLISHED MAY 13, 1941. Class 33.

389,062. WHEAT FLOUR. CHARLESTON MILLING COMPANY, Charleston, W. Va.
Filed March 8, 1941. Serial No. 441,346. PUBLISHED MAY 13, 1941. Class 46.

389,063. WHEAT FLOUR. CHARLESTON MILLING COMPANY, Charleston, W. Va.
Filed March 8, 1941. Serial No. 441,347. PUBLISHED MAY 13, 1941. Class 46.

389,064. SHOE LACES. DIAMOND BRAIDING MILLS INCORPORATED, Chicago Heights, Ill.
Filed March 8, 1941. Serial No. 441,351. PUBLISHED MAY 6, 1941. Class 40.

389,065. SHOE LACES. DIAMOND BRAIDING MILLS INCORPORATED, Chicago Heights, Ill.
Filed March 8, 1941. Serial No. 441,352. PUBLISHED MAY 6, 1941. Class 40.

389,066. WELL-PIPE JOINTS. HYDRIL COMPANY, Los Angeles, Calif.
Filed March 10, 1941. Serial No. 441,399. PUBLISHED MAY 13, 1941. Class 13.

389,067. AMMONIA FOR SOIL FERTILIZING. SHELL CHEMICAL COMPANY, San Francisco, Calif.
Filed March 10, 1941. Serial No. 441,416. PUBLISHED MAY 13, 1941. Class 10.

389,068. CASH REGISTERS, CREDIT REGISTERS, AUTOGRAPHIC REGISTERS, ACCOUNTING MACHINES, ETC. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.
Filed March 11, 1941. Serial No. 441,440. PUBLISHED MAY 13, 1941. Class 26.

389,069. PREPARATION FOR TREATMENT OF POISON IVY AND ATHLETE'S FOOT. PASSAIC ANALYTICAL LABORATORIES, INC., Passaic, N. J.
Filed March 11, 1941. Serial No. 441,443. PUBLISHED APRIL 29, 1941. Class 6.

389,070. METAL CLIPS FOR THE ERECTION OF INSULATING FIBREBOARD. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed March 12, 1941. Serial No. 441,463. PUBLISHED MAY 13, 1941. Class 13.

389,071. WINES. COMEX WINE & SPIRITS CO., INC., New York, N. Y.
Filed March 13, 1941. Serial No. 441,500. PUBLISHED MAY 13, 1941. Class 47.

389,072. CHEESE. NATURAL CHEESE, INC., Chicago, Ill., and Juneau, Wis.
Filed March 13, 1941. Serial No. 441,520. PUBLISHED MAY 13, 1941. Class 46.

389,073. PIECE GOODS OF COTTON, RAYON, AND COMBINATIONS THEREOF. CORN-HALL-MARX CO., New York, N. Y.
Filed March 14, 1941. Serial No. 441,531. PUBLISHED MAY 13, 1941. Class 42.

389,074. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed March 14, 1941. Serial No. 441,553. PUBLISHED MAY 6, 1941. Class 6.

389,075. FACE POWDERS, FACE AND SKIN CREAMS, ROUGES, AND LIPSTICKS. MONA MANET INC., New York, N. Y.
Filed March 15, 1941. Serial No. 441,582. PUBLISHED MAY 13, 1941. Class 6.

389,076. SKIN FRESHENER, ASTRINGENT, FACE AND SKIN CREAMS, FACE AND HAND LOTIONS, EAU DE COLOGNE, ETC. MONA MANET INC., New York, N. Y.
Filed March 15, 1941. Serial No. 441,583. PUBLISHED APRIL 29, 1941. Class 6.

389,077. BABY TOYS—NAMELY, BABY RATTLES, AND BABY TEETHING TOYS. TYKIE TOY COMPANY, Piqua, Ohio.
Filed March 15, 1941. Serial No. 441,594. PUBLISHED MAY 13, 1941. Class 22.

389,078. GEAR CUTTING TOOLS. THE GLEASON WORKS, Rochester, N. Y.
Filed March 17, 1941. Serial No. 441,608. PUBLISHED MAY 13, 1941. Class 23.

389,079. GEAR CUTTING TOOLS. THE GLEASON WORKS, Rochester, N. Y.
Filed March 17, 1941. Serial No. 441,609. PUBLISHED MAY 13, 1941. Class 23.

389,080. LADIES' AND CHILDREN'S DRESSES AND COATS. SAMUEL J. GOLDFARB, New York, N. Y.
Filed March 17, 1941. Serial No. 441,610. PUBLISHED MAY 13, 1941. Class 39.

389,081. FRESH CITRUS FRUIT AND SALAD DRESSING. C. LELAND JORDAN, doing business as A. Servfrend Service, Whittier, Calif.
Filed March 17, 1941. Serial No. 441,613. PUBLISHED MAY 13, 1941. Class 46.

389,082. TRAVELERS FOR USE ON SPINNING AND TWISTING RINGS. NATIONAL RING TRAVELER CO., Providence, R. I.
Filed March 17, 1941. Serial No. 441,621. PUBLISHED MAY 13, 1941. Class 23.

389,083. GLASS DISHES. NEWLAND, SCHNEELOCH & PIEK, INC., New York, N. Y.
Filed March 17, 1941. Serial No. 441,622. PUBLISHED MAY 13, 1941. Class 33.

389,084. IRON AND B COMPLEX COMBINATION. NION CORPORATION, Los Angeles, Calif.
Filed March 17, 1941. Serial No. 441,624. PUBLISHED APRIL 29, 1941. Class 6.

389,085. COTTON, COTTON AND RAYON, AND RAYON PIECE GOODS. RIEGEL TEXTILE CORPORATION, New York, N. Y.
Filed March 17, 1941. Serial No. 441,643. PUBLISHED MAY 13, 1941. Class 42.

389,086. LADIES' COATS AND SUITS. EDWIN S. ROSE, doing business as Edwin S. Rose Company, Minneapolis, Minn.
Filed March 17, 1941. Serial No. 441,644. PUBLISHED MAY 13, 1941. Class 39.

389,087. VENDING MACHINES. GENERAL VENDER MANUFACTURING COMPANY, Kansas City, Mo.
Filed March 17, 1941. Serial No. 441,659. PUBLISHED MAY 13, 1941. Class 23.

389,088. OBJECT CARRIERS FOR PERIMETERS. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed March 18, 1941. Serial No. 441,661. PUBLISHED MAY 13, 1941. Class 26.

389,089. DIESEL ENGINE EQUIPMENT—NAMELY, FUEL PUMPS AND INJECTORS. AIRCRAFT & DIESEL EQUIPMENT CORPORATION, Chicago, Ill.
Filed March 19, 1941. Serial No. 441,691. PUBLISHED MAY 13, 1941. Class 23.

389,090. POWDER FOR CLEANING DENTAL PLATES. CLARK-CLEVELAND, INCORPORATED, Binghamton, N. Y.
Filed March 19, 1941. Serial No. 441,696. PUBLISHED MAY 13, 1941. Class 4.

389,091. PORTABLE BOWLING ALLEYS. X. L. COIN MACHINE CO., INC., Boston, Mass.
Filed March 19, 1941. Serial No. 441,719. PUBLISHED MAY 13, 1941. Class 22.

389,092. SOLDERING AND TINNING FLUX. THE RUBY CHEMICAL COMPANY, Columbus, Ohio.
Filed March 20, 1941. Serial No. 441,748. PUBLISHED MAY 13, 1941. Class 6.

389,093. CHEMICAL FERTILIZER COMBINED WITH DEHYDRATED COW MANURE. WALKER-GORDON LABORATORY COMPANY, INC., Plainsboro, N. J.
Filed March 20, 1941. Serial No. 441,754. PUBLISHED MAY 13, 1941. Class 10.

389,094. PREPARATION CONSISTING OF ENDOTHYRIN (THYROID IODINE 0.62 PER CENT) GR. 1/12; ESTROGENIC SUBSTANCE 250 I. U.; ANTERIOR PITUITARY (N. F. VI) GR. ¼; OVARIAN RESIDUE (N. F. VI) GR. 3; EXCIPIENT Q. S. FOR THERAPEUTIC USE IN MENSTRUAL DISTURBANCES. THE HARROWER LABORATORY, INC., Glendale, Calif.
Filed March 21, 1941. Serial No. 441,769. PUBLISHED MAY 6, 1941. Class 6.

389,095. PISTON RINGS. KOPPERS COMPANY, Pittsburgh, Pa., and Baltimore, Md.
Filed March 21, 1941. Serial No. 441,773. PUBLISHED MAY 13, 1941. Class 35.

389,096. WIDE ELASTIC FABRICS FOR CORSETS, GIRDLES, AND OTHER GARMENTS. THE AMERICAN MILLS COMPANY OF NEW YORK, New Haven, Conn., assignor to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts.
Filed March 24, 1941. Serial No. 441,847. PUBLISHED MAY 13, 1941. Class 42.

389,097. BEER. MAIER BREWING CO., INC., Los Angeles, Calif.
Filed March 24, 1941. Serial No. 441,873. PUBLISHED MAY 13, 1941. Class 48.

389,098. PERFUME. DELETTREZ, INC., Long Island City, N. Y.
Filed March 26, 1941. Serial No. 441,950. PUBLISHED MAY 6, 1941. Class 6.

389,099. PERFUME. DELETTREZ, INC., Long Island City, N. Y.
Filed March 26, 1941. Serial No. 441,951. PUBLISHED MAY 6, 1941. Class 6.

389,100. PERFUME. DELETTREZ, INC., Long Island City, N. Y.
Filed March 26, 1941. Serial No. 441,953. PUBLISHED MAY 6, 1941. Class 6.

389,101. PERFUME. DELETTREZ, INC., Long Island City, N. Y.
Filed March 26, 1941. Serial No. 441,954. PUBLISHED MAY 6, 1941. Class 6.

389,102. EAU DE COLOGNE AND TOILET WATER. MEM INCORPORATED, New York, N. Y.
Filed March 26, 1941. Serial No. 441,974. PUBLISHED MAY 6, 1941. Class 6.

389,103. HAIR DRESSING AND HAIR TONICS. MEM INCORPORATED, New York, N. Y.
Filed March 26, 1941. Serial No. 441,976. PUBLISHED MAY 6, 1941. Class 6.

389,104. WIRE ROPE. WICKWIRE SPENCER STEEL COMPANY, New York, N. Y.
Filed March 26, 1941. Serial No. 441,984. PUBLISHED MAY 13, 1941. Class 7.

389,105. FERTILIZER. H. J. BAKER & BRO., New York, N. Y.
Filed March 27, 1941. Serial No. 441,992. PUBLISHED MAY 13, 1941. Class 10.

389,106. PERFUME AND SACHET. STUART PRODUCTS, INC., St. Paul, Minn.
Filed March 28, 1941. Serial No. 442,053. PUBLISHED MAY 13, 1941. Class 6.

389,107. LIPSTICK, FACE POWDER, ROUGE, FACE CREAM, COLD CREAM, AND FACE LOTION. REJUVIA BEAUTY LABORATORIES, INC., New York, N. Y.
Filed March 29, 1941. Serial No. 442,075. PUBLISHED MAY 6, 1941. Class 6.

389,108. CHEMICALS USED AS ACCELERATORS IN THE VULCANIZATION OF RUBBER. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed March 29, 1941. Serial No. 442,080. PUBLISHED MAY 13, 1941. Class 6.

389,109. VITAMIN PREPARATION. ABBOTT LABORATORIES, North Chicago, Ill.
Filed March 31, 1941. Serial No. 442,087. PUBLISHED MAY 6, 1941. Class 6.

389,110. VITAMIN PREPARATION. ABBOTT LABORATORIES, North Chicago, Ill.
Filed March 31, 1941. Serial No. 442,088. PUBLISHED MAY 13, 1941. Class 6.

389,111. ELECTRIC REFRIGERATORS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed March 31, 1941. Serial No. 442,145. PUBLISHED MAY 13, 1941. Class 31.

389,112. REFRIGERATORS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed April 5, 1941. Serial No. 442,229. PUBLISHED MAY 13, 1941. Class 31.

389,113. ABSORBENT COTTON. THE FOREST CITY RUBBER COMPANY, Cleveland, Ohio.
Filed April 4, 1941. Serial No. 442,260. PUBLISHED MAY 13, 1941. Class 44.

389,114. DOLLS, DOLL CLOTHES, AND DOLL FURNITURE. NANCY ANN DRESSED DOLLS, INC., San Francisco, Calif.
Filed April 4, 1941. Serial No. 442,272. PUBLISHED MAY 13, 1941. Class 22.

389,115. DOLLS AND DOLL CLOTHES. NANCY ANN DRESSED DOLLS, INC., San Francisco, Calif.
Filed April 4, 1941. Serial No. 442,273. PUBLISHED MAY 13, 1941. Class 22.

389,116. LIPSTICKS, FACE CREAM, AND ROUGE. CARTER PRODUCTS, INC., New York, N. Y.
Filed April 5, 1941. Serial No. 442,304. PUBLISHED MAY 13, 1941. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

389,117. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 10, 1938. Serial No. 403,924.

LACE CRAFT

FOR WINDOW CURTAINS.
Claims use since Jan. 15, 1937.

389,118. (CLASS 48. MALT BEVERAGES AND LIQUORS.) A. GUSMER, INC., Hoboken, N. J. Filed Feb. 11, 1939. Serial No. 415,947.

BODY-MALT

FOR DEXTRINIZED MALT FOR BREWING CONTAINING NO DIASTATIC POWER.
Claims use since Jan. 20, 1939.

389,119. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FEDERAL FLUORESCENT CO. INC., New York, N. Y. Filed Apr. 5, 1940. Serial No. 430,388.

Liquid Fluorescence

FOR SUBSTANCE FOR COATING ELECTRIC LIGHT TUBES FOR PROVIDING FLUORESCENT LIGHT.
Claims use since Feb. 1, 1940.

389,120. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORRIS KLORFEIN, doing business as Morris Klorfein Packing Co., Salem, Oreg. Filed May 4, 1940. Serial No. 431,554.

FEIN-PAK

FOR SHELLED WALNUTS AND FILBERTS.
Claims use since September, 1937.

389,121. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) FISHER, BRUCE & COMPANY, Philadelphia, Pa. Filed May 6, 1940. Serial No. 431,603.

WindsorWare

FOR DINNER SETS OF EARTHENWARE.
Claims use since Apr. 8, 1940.

389,122. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR P. ROSENBERG, doing business as Sta-Dri Company, Abbeville, S. C. Filed May 22, 1940. Serial No. 432,222.

STA-DRI

FOR LOTION TO PREVENT PERSPIRATION USED ON THE FEET AND UNDER THE ARMS.
Claims use since May 11, 1940.

389,123. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed June 19, 1940. Serial No. 433,186.

RALEIGH

FOR PLAYING CARDS.
Claims use since June 6, 1940.

389,124. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ANDIS CLIPPER COMPANY, Racine, Wis. Filed Aug. 22, 1940. Serial No. 435,231.

Electric MASSEUR

FOR ELECTRIC MASSAGING APPARATUS.
Claims use since Mar. 12, 1940.

389,125. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LEWELLEN MANUFACTURING COMPANY, Columbus, Ind. Filed Sept. 23, 1940. Serial No. 436,273.

LEWELLEN

FOR POWER PULLEYS, VARIABLE SPEED MECHANISMS WHICH INCLUDE PULLEYS AND/OR GEARS, ALSO THE COMBINATION OF A YIELDINGLY MOUNTED ELECTRIC MOTOR, A VARIABLE SPEED MECHANISM, AND A REELING SPOOL FOR WINDING OR UNWINDING WIRE OR THE LIKE UNDER CONSTANT TENSION AND ACTUATED BY THE MOTOR THROUGH SAID MECHANISM.
Claims use since 1919.

389,126. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELARS PRODUCTS, INC., Richmond, Va. Filed Nov. 18, 1940. Serial No. 438,001.

Norge

FOR COD LIVER OIL, HARD ELASTIC CAPSULES OF VITAMIN A, B, D, G, HARD ELASTIC CAPSULES OF HALIBUT LIVER OIL WITH VIOSTEROL, HARD ELASTIC CAPSULES OF HALIBUT LIVER OIL PLAIN, HALIBUT LIVER OIL LIQUID IN BOTTLES, HARD ELASTIC CAPSULES OF VIOSTEROL IN OIL, COATED TABLETS OF VITAMIN C CEVITAMIC ACID, HARD ELASTIC GELATIN CAPSULES, 5 VITAMINS, WAFERS OF DICALCIUM PHOSPHATE WITH VIOSTEROL, COATED TABLETS OF COD LIVER OIL CONCENTRATED, COMPRESSED TABLETS OF BREWERS YEAST, HARD ELASTIC GELATIN CAPSULES OF VITAMINS AND EMULSION OF COD LIVER OIL.
Claims use since July, 1937.

389,127. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUPERIOR BRANDS, INCORPORATED, New York, N. Y. Filed Feb. 1, 1941. Serial No. 440,223.

RY-TASTE

FOR RYE DOUGH CONDITIONER IN DEHYDRATED FORM USED TO ENHANCE THE AROMATIC ESTERS, FLAVORS, AND PHYSICAL APPEARANCE OF THE FINISHED BAKED LOAF.
Claims use since Mar. 19, 1935.

389,128. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM M. ROSENFELD, doing business as Paragon C. & C. Co., New York, N. Y. Filed Feb. 20, 1941. Serial No. 440,834.

LEIBOFF ANTIGEN

FOR PREPARATION FOR USE IN THE DIAGNOSIS OF SYPHILIS.
Claims use since February, 1940.

389,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTIN KELLY, Elizabeth, N. J. Filed Mar. 4, 1941. Serial No. 441,204.

Martin's Cream

FOR MASSAGE CREAM FOR USE IN THE TREATMENT OF ECZEMA, MANGE, EYE TROUBLE, IN STIMULATING THE GROWTH OF HAIR, AND ALSO FOR USE IN THE TREATMENT OF ECZEMA AND MANGE AFFECTING DOGS AND ALL ANIMALS, AND CLEANSING CREAM.
Claims use since Mar. 17, 1937.

389,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MATILDA F. SAMUELS, Chicago, Ill. Filed Mar. 13, 1941. Serial No. 441,522.

Platife
DENTURE POWDER
HOLDS FALSE TEETH FIRMLY

FOR POWDER FOR USE IN HOLDING FALSE TEETH FIRMLY IN PLACE.
Claims use since 1938.

389,131. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY W. MILLER, doing business as International Nutrition Laboratory, Mount Vernon, Ohio. Filed Apr. 3, 1941. Serial No. 442,241.

SOYA LAC

FOR A VEGETABLE FOOD DRINK.
Claims use since April, 1936.

389,132. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Apr. 5, 1941. Serial No. 442,330.

PHARIS

FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.
Claims use since May 1, 1940.

389,133. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES SCOTT ALTHOUSE, doing business as Althouse Chemical Company, Reading, Pa. Filed Apr. 22, 1941. Serial No. 442,818.

SUPERLITEFAST

FOR DYES AND DYESTUFFS.
Claims use since Oct. 19, 1939.

389,134. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TWIN DISC CLUTCH COMPANY, Racine, Wis. Filed Apr. 23, 1941. Serial No. 442,884.

TWIN DISC

FOR POWER TAKE-OFF UNITS, REDUCTION GEAR UNITS, AND MARINE REVERSE GEARS.
Claims use since Dec. 30, 1937, on marine reverse gears; since Jan. 1, 1928, on remaining goods.

389,135. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FOLKER FABRICS, INC., New York, N. Y. Filed Apr. 29, 1941. Serial No. 443,076.

WOOLBROOK

FOR TEXTILE FABRICS IN THE PIECE OF SILK, RAYON, AND COMBINATIONS THEREOF.
Claims use since June 3, 1938.

389,136. (CLASS 43. THREAD AND YARN.) LAINES DU PINGOUIN, INC., New York, N. Y. Filed Apr. 29, 1941. Serial No. 443,085.

MILL RIVER Brand

FOR HAND KNITTING YARNS.
Claims use since Aug. 8, 1939.

389,137. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JAMES WALSH & CO. INC., Lawrenceburg, Ind. Filed May 12, 1941. Serial No. 443,525.

O'SHAUGHNESSYS'

FOR GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since July 5, 1938.

TRADE-MARK REGISTRATIONS RENEWED

20,028. **CRESCENT.** TIMOTHY-SEED. Registered August 18, 1891. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed August 18, 1941.

20,029. **SUN.** TIMOTHY-SEED. Registered August 18, 1891. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed August 18, 1941.

20,030. **GLOBE.** TIMOTHY-SEED. Registered August 18, 1891. THE ALBERT DICKINSON COMPANY, Chicago, Ill., a corporation of Illinois. Re-renewed August 18, 1941.

20,175. **MATCHLESS.** HOG AND BEEF PRODUCTS, INCLUDING HAMS, SHOULDERS, BACON, LARD, AND TALLOW. Registered September 29, 1891. NELSON MORRIS & Co. Re-renewed September 29, 1941, to Armour and Company of Delaware, Chicago, Ill., a corporation of Delaware, successor.

108,566. **MERCK.** CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered February 15, 1916. MERCK & Co., New York, N. Y. Renewed February 15, 1936, to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey, assignee.

143,021. **PROTEXALL.** CERTAIN ARTICLES OF CLOTHING. Registered May 24, 1921. GLOBE SHIRT & OVERALL COMPANY, Abingdon, Ill. Renewed May 24, 1941, to Earl E. Norris, Galesburg, Ill., assignee by mesne assignments.

143,140. **AMAMI.** SOAPS. Registered May 24, 1921. PRICHARD & CONSTANCE, INC., New York, N. Y., a corporation of New York. Renewed May 24, 1941.

143,175. **GNOME.** CERTAIN NAMED MOTOR-CARS, VESSELS, BOATS, AND RUDDERS. Registered May 24, 1921. SOCIETE DES MOTEURS GNOME ET RHONE, Paris, France, a corporation of France. Renewed May 24, 1941.

143,298. **ZO CRODOL.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered May 31, 1921. WILLIAM JOACHIM CARON, Uxbridge, Mass. Renewed May 31, 1941, to William Joachim Caron, North Uxbridge, Mass.

143,352. **AKRON.** BELTING AND HOSE MADE OF FABRIC COMBINED WITH RUBBER AND MACHINERY PACKING MADE WHOLLY OR PARTLY OF RUBBER. Registered May 31, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed May 31, 1941.

143,429. **CAREY.** CERTAIN NAMED WATERPROOF AND FIREPROOF FABRICS, TABLE-MATS, ASBESTOS CLOTH, AND CARPET-LININGS. Registered May 31, 1921. THE PHILIP CAREY MANUFACTURING COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed May 31, 1941.

143,978. **H M CO.** BELTS FOR SUPPORTING WEARING-APPAREL AND BUCKLES NOT OF PRECIOUS METAL FOR PERSONAL WEAR. Registered June 21, 1921. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y., a corporation of New York. Renewed June 21, 1941.

144,277. **SNAPS.** CATALOGUE PUBLISHED FROM TIME TO TIME. Registered June 28, 1921. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed June 28, 1941.

144,293. **JUMBO.** SHINGLES, ROOFING-TILE, ROOFING-SLABS, COMPOSITION ROOFING, AND ROOFING-CEMENT. Registered June 28, 1921. THE VULCANITE ROOFING COMPANY, Wilmington, Del., and Buffalo, N. Y. Renewed June 28, 1941, to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland, assignee.

144,393. **RADIO.** CHAINS FOR PERSONAL ADORNMENT WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL. Registered July 5, 1921. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Renewed July 5, 1941.

144,450. **POCOMOKE.** FERTILIZER. Registered July 5, 1921. THE POCOMOKE GUANO CO., Norfolk, Va. Renewed July 5, 1941, to The American Agricultural Chemical Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

144,747. **DOWMETAL.** CERTAIN LIGHT-METAL ALLOYS AND CASTINGS AND FORGINGS OF SAME. Registered July 19, 1921. THE DOW CHEMICAL COMPANY, Midland, Mich., a corporation of Michigan. Renewed July 19, 1941.

144,765. **CHIEF SEATTLE.** WHEAT-FLOUR. Registered July 19, 1921. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Renewed July 19, 1941.

144,872. **CARNATA.** DYESTUFFS, INTERMEDIATES, AND CERTIFIED FOOD-COLORS. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 19, 1941.

144,873. **SAFFIRA.** DYESTUFFS, INTERMEDIATES, AND CERTIFIED FOOD-COLORS. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 19, 1941.

144,874. **NUTTA.** DYESTUFFS, INTERMEDIATES, AND CERTIFIED FOOD-COLORS. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 19, 1941.

144,875. **MINTA.** DYESTUFFS, INTERMEDIATES, AND CERTIFIED FOOD-COLORS. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 19, 1941.

144,876. **CONCORA.** CERTIFIED FOOD-COLORS, DYESTUFFS, AND INTERMEDIATES. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 19, 1941.

144,877. **ROSEA.** DYESTUFFS, INTERMEDIATES, AND CERTIFIED FOOD-COLORS. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed July 19, 1941.

145,092. **ESTATE SUNBURST.** GAS HEATING APPARATUS. Registered July 26, 1921. THE ESTATE STOVE COMPANY, Hamilton, Ohio, a corporation of Ohio. Renewed July 26, 1941.

145,100. **MARCA ROJA.** CERTAIN NAMED FOODS. Registered July 26, 1921. GLOBE GRAIN & MILLING CO., Los Angeles, Calif. Renewed July 26, 1941, to Pillsbury Flour Mills Company, Minneapolis, Minn., a corporation of Delaware, assignee.

145,359. **REPRESENTATION OF A BOY AND MILK CAN.** TOAST. Registered August 2, 1921. EXCELSIOR BAKING COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed August 2, 1941.

145,665. **HOME RUN.** WHEAT-FLOUR. Registered August 16, 1921. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Renewed August 16, 1941.

145,748. **MINER.** CERTAIN NAMED TOILET PREPARATIONS. Registered August 16, 1921. EST. HENRY C. MINER, INC. Renewed August 16, 1941, to Miner's, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

145,985. **REPRESENTATION OF A BULL'S HEAD.** DYESTUFFS, INTERMEDIATES, AND CERTIFIED FOOD-COLORS. Registered August 23, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed August 23, 1941.

146,100. **ARCO IRIS.** CERTAIN NAMED FOODS AND INGREDIENTS OF FOODS. Registered August 30, 1921. GLOBE GRAIN & MILLING CO., Los Angeles, Calif. Renewed August 30, 1941, to Pillsbury Flour Mills Company, Minneapolis, Minn., a corporation of Delaware, assignee.

146,225. **A M CO.** WHEAT-FLOUR. Registered September 6, 1921. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Renewed September 6, 1941.

146,316. **GOLDEN HUE.** OLEOMARGARIN. Registered September 6, 1921. NUT GROVE BUTTER COMPANY, Providence, R. I. Renewed September 6, 1941, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey, assignee.

146,606. **SEAMLESS.** RUBBER HOT-WATER BAGS OR BOTTLES. Registered September 13, 1921. THE SEAMLESS RUBBER COMPANY, INC. Renewed September 13, 1941, to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut, assignee.

146,776. **L'EXO.** HAIR-DRESSING. Registered September 20, 1921. HYMAN & OPPENHEIM. Renewed September 20, 1941, to T. Charles, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

146,914. **A DEAD SHOT.** A VERMIFUGE. Registered September 20, 1921. WRIGHT'S INDIAN VEGETABLE PILL COMPANY, New York, N. Y. Renewed September 20, 1941, to Sydney Ross Co., Newark, N. J., a corporation of New Jersey, assignee.

146,915. **A DEAD SHOT.** A VERMIFUGE. Registered September 20, 1921. WRIGHT'S INDIAN VEGETABLE PILL COMPANY, New York, N. Y. Renewed September 20, 1941, to Sydney Ross Co., Newark, N. J., a corporation of New Jersey, assignee.

147,000. **L'EXO.** COMMODITY FOR REMOVING DYE FROM HAIR. Registered September 27, 1921. HYMAN & OPPENHEIM. Renewed September 27, 1941, to T. Charles, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

147,543. **THE PRISM.** A MONTHLY PUBLICATION. Registered October 25, 1921. THE BARNES-ROSS COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed October 25, 1941.

147,654. **SELBY.** WHITE LEAD AND LEAD OXIDS. Registered October 25, 1921. NATIONAL LEAD COMPANY OF CALIFORNIA, San Francisco, Calif. Renewed October 25, 1941, to National Lead Company, New York, N. Y., a corporation of New Jersey, assignee.

147,666. **REPRESENTATION OF A HAND AND PACKAGE.** WATERPROOF COATS. Registered October 25, 1921. PEARSON BROTHERS. Renewed October 25, 1941, to Mattamac Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee by mesne assignments.

147,781. **IVY.** GARTERS AND HOSE-SUPPORTERS. Registered November 1, 1921. IVY CORSET COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed November 1, 1941.

147,893. **BUTYN.** ANESTHETIC COMPOUND. Registered November 8, 1921. THE ABBOTT LABORATORIES, Chicago, Ill. Renewed November 8, 1941, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois.

147,941. **BRUNSWICK.** PHONOGRAPH-RECORDS. Registered November 8, 1921. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Renewed November 8, 1941, to Brunswick Radio Corporation, New York, N. Y., a corporation of Delaware, assignee.

147,951. **CARTIER.** LEAD-PENCILS AND MAGAZINE LEAD-PENCILS. Registered November 8, 1921. CARTIER, INC., New York, N. Y., a corporation of New York. Renewed November 8, 1941.

148,034. **COMPOSER.** WHEAT-FLOUR. Registered November 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont. Renewed November 8, 1941, to Gallatin Valley Milling Company, Seattle, Wash., a corporation of Washington.

148,035. **PERFORMER.** WHEAT-FLOUR. Registered November 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont. Renewed November 8, 1941, to Gallatin Valley Milling Company, Seattle, Wash., a corporation of Washington.

148,036. **MUSICIAN.** WHEAT-FLOUR. Registered November 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont. Renewed November 8, 1941, to Gallatin Valley Milling Company, Seattle, Wash., a corporation of Washington.

148,037. **TEMPO.** WHEAT-FLOUR. Registered November 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont. Renewed November 8, 1941, to Gallatin Valley Milling Company, Seattle, Wash., a corporation of Washington.

148,038. **CRESCENDO.** WHEAT-FLOUR. Registered November 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont. Renewed November 8, 1941, to Gallatin Valley Milling Company, Seattle, Wash., a corporation of Washington.

148,039. **SYMPHONY.** WHEAT-FLOUR. Registered November 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont. Renewed November 8, 1941, to Gallatin Valley Milling Company, Seattle, Wash., a corporation of Washington.

148,040. **OPERA.** WHEAT-FLOUR. Registered November 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont. Renewed November 8, 1941, to Gallatin Valley Milling Company, Seattle, Wash., a corporation of Washington.

148,041. **CONCERT.** WHEAT-FLOUR. Registered November 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont. Renewed November 8, 1941, to Gallatin Valley Milling Company, Seattle, Wash., a corporation of Washington.

148,042. **ORCHESTRA.** WHEAT-FLOUR. Registered November 8, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont. Renewed November 8, 1941, to Gallatin Valley Milling Company, Seattle, Wash., a corporation of Washington.

148,172. **DYESTUFFS.** A PERIODICAL ISSUED MONTHLY. Registered November 8, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed November 8, 1941.

148,380. **STANDARD EXOLEVER.** DENTAL INSTRUMENTS. Registered November 15, 1921. THE CLEVELAND DENTAL MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed November 15, 1941.

148,388. **REPRESENTATION OF A FLASH.** SNAP-FASTENERS. Registered November 15, 1921. THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed November 15, 1941.

148,421. **HOMESEEKER.** WHEAT-FLOUR. Registered November 15, 1921. GREAT WEST MILL & ELEVATOR CO., Amarillo, Tex. Renewed November 15, 1941, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

148,422. **AMARYLLIS.** WHEAT-FLOUR. Registered November 15, 1921. GREAT WEST MILL & ELEVATOR CO., Amarillo, Tex. Renewed November 15, 1941, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

148,462. **THE NETHERALL.** CORSETS, BRASSIÈRES, CORSET-COVERS, AND WAISTS. Registered November 15, 1921. KOPS BROS. Renewed November 15, 1941, to Kops Brothers, Inc., New York, N. Y., a corporation of New York, assignee.

148,552. **FIRSTAID.** PUS-PANS, BEDPANS, DOUCHE-PANS, FEMALE URINAL, MALE URINAL, SEAMLESS IRRIGATOR, AND SEAMED IRRIGATOR. Registered November 15, 1921. UNITED DRUG COMPANY. Renewed November 15, 1941, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

148,649. **FIBROC.** CERTAIN NAMED ELECTRIC INSULATING COMPOUNDS. Registered November 22, 1921. FIBROC INSULATION COMPANY, Valparaiso, Ind. Renewed November 22, 1941, to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware, assignee.

148,651. **AGGRESSIVE.** WRITING-PAPER. Registered November 22, 1921. FOX RIVER PAPER COMPANY. Renewed November 22, 1941, to Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin, assignee.

148,654. **SOLO.** WHEAT-FLOUR. Registered November 22, 1921. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., and Belgrade, Mont. Renewed November 22, 1941, to Gallatin Valley Milling Company, Seattle, Wash., a corporation of Washington.

148,657. **RESPIROL.** A CERTAIN NAMED MEDICINAL SALVE. Registered November 22, 1921. THE GREAT NORTHERN SUPPLY COMPANY, Cleveland, Ohio. Renewed November 22, 1941, to P. B. Osenbaugh, Hemlock, Ohio, assignee.

148,718. **UNION.** CERTAIN NAMED PAPERS. Registered November 22, 1921. UNION CARD & PAPER CO., New York, N. Y., a corporation of New York. Renewed November 22, 1941.

148,721. **RUSSOLAX.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered November 22, 1921. WELDON DRUG CO., Weldon, N. C., a Firm. Renewed November 22, 1941.

148,736. **DR. PRICE'S.** BAKING-POWDER. Registered November 22, 1921. ROYAL BAKING POWDER COMPANY, Jersey City, N. J., and New York, N. Y. Renewed November 22, 1941, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee.

148,737. **THYBORINE.** GARGLE, MOUTH-WASH, AND NASAL SPRAY. Registered November 22, 1921. SAN ANTONIO DRUG COMPANY, San Antonio, Tex., a corporation of Texas. Renewed November 22, 1941.

148,821. **TWO DOGS.** CERTAIN METAL-WORKING TOOLS, VISES, SAWS, SPANNERS AND WRENCHES, RATCHET-BRACES, AND OTHER TOOLS. Registered November 29, 1921. EASTERBROOK, ALLCARD & Co. LIMITED, Sheffield, England, a British corporation. Renewed November 29, 1941.

148,823. **INDEPENDENCE.** FELT POLISHING-WHEELS AND FELTS THEREFOR. Registered November 29, 1921. EASTERN FELT COMPANY, Winchester, Mass., a corporation of Massachusetts. Renewed November 29, 1941.

148,831. **C. O. F.** CERTAIN NAMED MEDICINAL PREPARATIONS. Registered November 29, 1921. CARLO O. FAUDA, San Francisco, Calif. Renewed November 29, 1941.

148,833. **ELK.** PEANUTS IN THE SHELL. Registered November 29, 1921. FRANKLIN PEANUT COMPANY, Franklin, Va., a firm. Renewed November 29, 1941.

148,855. **TRI-O.** A PREPARATION FOR KILLING FLIES AND LICE. Registered November 29, 1921. J. A. HAND SON CO., Moosic, Pa., a firm. Renewed November 29, 1941.

148,877. **SOLOX.** DENATURED ALCOHOL. Registered November 29, 1921. KENTUCKY DISTILLERIES & WAREHOUSE CO. Renewed November 29, 1941, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

148,901. **KADILLAC LINE.** CERTAIN NAMED STATIONERY. Registered November 29, 1921. GREGORY MAYER & THOM CO., Detroit, Mich., a corporation of Michigan. Renewed November 29, 1941.

148,904. **ELASTIC.** LICORICE CANDY. Registered November 29, 1921. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed November 29, 1941.

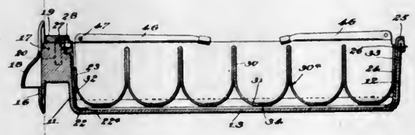
148,906. **NESTLÉ'S EVERY DAY.** UNSWEETENED EVAPORATED MILK. Registered November 29, 1921. NESTLÉ'S FOOD COMPANY, INC. Renewed November 29, 1941, to Nestlé's Milk Products, Inc., New York, N. Y., a corporation of New York, by change of name.

148,941. **REPRESENTATION OF A DIAMOND WITHIN A RECTANGLE.** WORK-SHIRTS. Registered November 29, 1921. RELIANCE MANUFACTURING COMPANY. Renewed November 29, 1941, to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee.

REISSUES

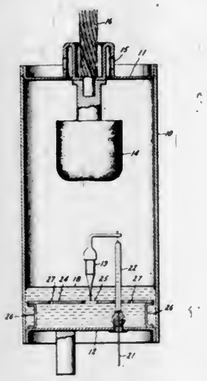
JULY 22, 1941

21,860
ICE CUBE PAN
Michael K. Buchanan and Albert G. Horton, Norfolk, Va.
Original No. 2,043,881, dated June 9, 1936, Serial No. 682,157, July 25, 1933. Application for reissue July 17, 1937, Serial No. 154,304
34 Claims. (Cl. 62—108.5)



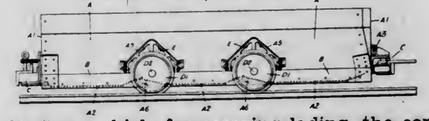
1. In an ice cube pan, a grid having a plurality of transverse partitions walls and a plurality of longitudinally extending walls, means for connecting the partitions to an end wall of the pan to provide for a limited outward movement of the partitions, and means for raising the longitudinally extending walls and the partitions through a limited movement for breaking the ice cubes loose from the pan.

21,861
LIQUID CATHODE DEVICE
Lawrence D. Miles, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original No. 2,167,521, dated July 25, 1939, Serial No. 209,950, May 25, 1938. Application for reissue January 31, 1940, Serial No. 316,565
6 Claims. (Cl. 250—27.5)



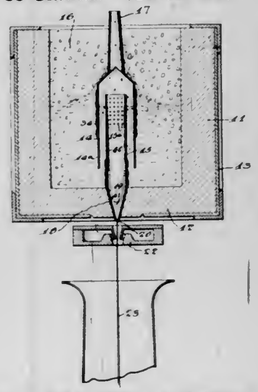
4. An arc discharge device comprising a casing having an anode and a mercury pool as cathode therein, an auxiliary starting device immersed in said mercury pool during the normal operation of said device, said mercury pool having a surface freely exposed to the arc from the anode, and damping means for waves on said freely exposed mercury surface located entirely below the surface thereof.

21,862
DROP BOTTOM MINE CAR
Hugh W. Sanford, Knoxville, Tenn.
Original No. 2,095,348, dated October 12, 1937, Serial No. 22,661, May 21, 1935, which is a continuation of application Serial No. 647,795, December 17, 1932. Application for reissue March 17, 1939, Serial No. 262,551
66 Claims. (Cl. 105—364)



61. In a vehicle for carrying lading, the combination of wheels, axles therefor, a lading body structure having wing lading bottoms outside of the wheels and a central lading bottom portion lying at least in part between oppositely disposed wheels and also located at least in part below the horizontal plane of the axes of the wheels, longitudinally extending spaced stiff low-lying sill-structures outside of the central lading bottom portion and each passing between the near one of two oppositely disposed wheels and the said sill-structures being at least in part offset inwardly toward the longitudinal central line of the lading body structure where the said sill-structures pass the adjacent wheel hubs whereby the central lading bottom portion between the sill-structures is made wider close to the ends of the lading body than it is between the hubs of oppositely disposed wheels.

21,863
METHOD AND APPARATUS OF MELTING AND FINING GLASS
Games Slayter, Newark, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Original No. 2,212,528, dated August 27, 1940, Serial No. 56,527, December 28, 1935. Application for reissue January 9, 1941, Serial No. 373,794
33 Claims. (Cl. 49—54)

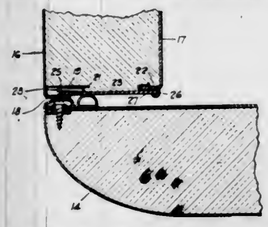


3. Apparatus for melting and fining refractory materials, comprising a container for a batch of the raw materials, heating elements within said

container in position to be surrounded by the batch, said heating elements being arranged one within another, and means for heating said elements and causing the batch to be melted and to flow between said elements, the inner of said elements providing an interior chamber surrounded by the outer of said elements, said elements being arranged to cause the molten material to flow into said chamber and over the walls thereof in sheet formation.

21,864
REFRIGERATOR CABINET
Howard D. White, Adrian, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original No. 2,212,964, dated August 27, 1940, Serial No. 238,364, November 2, 1938. Application for reissue May 20, 1941, Serial No. 394,368
2 Claims. (Cl. 220—9)

2. In refrigerator cabinet construction, the combination of inner and outer shells having heat insulation therebetween and provided with a door opening, said shells having edge portions bent inwardly toward each other and spaced apart peripherally of the door opening, a member spaced from one of said edge portions and parallel therewith forming a rigid pocket opening towards the edge portion of the other shell, a breaker strip for closing the space between the shells, said breaker strip having a side edge thereof extending into said rigid pocket, means for securing the other side edge of the breaker strip to the opposite edge portion of the other shell and independently removable metal springs disposed in the bottom of said pocket and projecting between the breaker strip and said inwardly spaced member, said springs having two



resilient portions one of which exerts a force substantially at right angles to the other, one of said resilient portions contacting the edge of the breaker strip which extends into said pocket and the other of said resilient portions contacting the adjacent face of said breaker strip, to thereby urge said breaker strip sidewardly toward said securing means and crosswise toward an inner face of said pocket.

PLANT PATENTS

GRANTED JULY 22, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

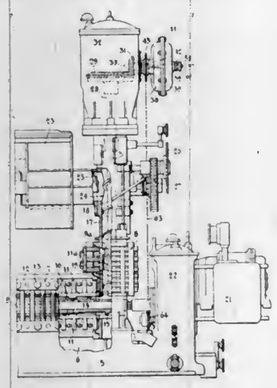
479
PEACH TREE
Frederick Wenzl Hof Mann, Blacksburg, Va.
No Drawing. Application September 17, 1940, Serial No. 357,294
1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree characterized as to novelty by the non-fuzz, plum-like, waxy and smooth skin of its fruit, the firmness of the flesh of such fruit, the winter hardiness of the tree, hardiness of bud and blossom to spring freezes and frosts, the form and number of glands, and resistance to brown rot, substantially as described.

PATENTS

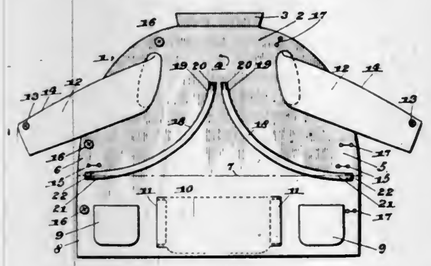
GRANTED JULY 22, 1941

2,249,724
PRESS
Raymond T. Anderson, Berea, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application October 31, 1939, Serial No. 302,226
7 Claims. (Cl. 100—48)



1. In combination, a press of the continuous type for expressing liquid from materials containing the same; continuous feeding means for the press; and means including hydraulic torque transmitting means of the kinetic reaction type operatively connected to said feeding means for causing material to be fed to said press at an automatically variable rate determined by the characteristics of the material under treatment.

2,249,725
OUTDOORMAN'S COAT
George Samuel Blagden, Memphis, Tenn.
Application April 28, 1939, Serial No. 270,686
5 Claims. (Cl. 2—94)



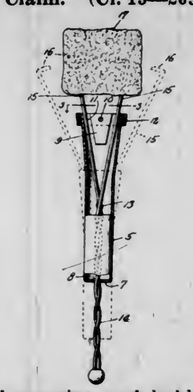
1. A garment comprising a coat having back and side portions, a pair of suspenders carried on the outside of the coat in diverging relationship to each other, means attaching the remote ends of the suspenders to the side portions, and means attaching the contiguous ends of said suspenders to the back portion of the coat above a medial line running transversely of the coat and in positions substantially centered on said back portion.

2,249,726
LAMINATED DRIVING BELT
Harry Brammer, Leeds, England
Application June 11, 1940, Serial No. 339,988
In Great Britain July 26, 1939
4 Claims. (Cl. 74—232)



1. Laminated driving belting of the kind comprising a number of links arranged in overlapping relation and secured together by studs, one end of which is riveted to a link, whilst the other end carries a detachable or integral head, which is passed through a hole in an adjacent link, characterised by the head of each stud being canted downwards towards the end of the link on which it bears.

2,249,727
STEEL WOOL HOLDER
Delma A. Butler, Easton, Md.
Application February 20, 1940, Serial No. 319,943
1 Claim. (Cl. 15—209)

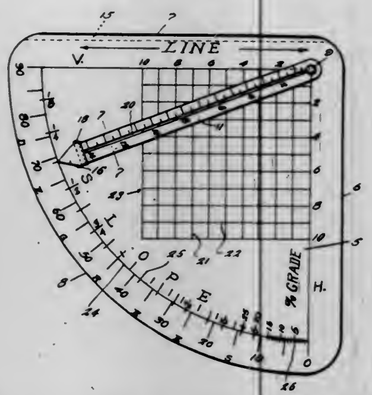


A steel wool scouring pad holder including a tubular handle having a flattened front end portion, a tapered partition in said flattened end portion to provide a pair of guide openings therein, a pin extending through opposite walls of said flattened end portion and through the tapered partition to secure the same in position, a wall across the back end of said tubular handle having a central opening therethrough, a rod slidably mounted in said tubular handle and extending therefrom through the opening in said wall at the back end thereof, spring jaws secured to said rod rearwardly of said tapered partition and extending through said guide openings, and opposed angular prongs on the ends of said spring jaws for holding a steel wool scouring pad therebetween.

2,249,728
INCLINOGRAPH
Winfield W. Cross, Tucson, Ariz.
Application October 6, 1939, Serial No. 298,319
1 Claim. (Cl. 33—70)

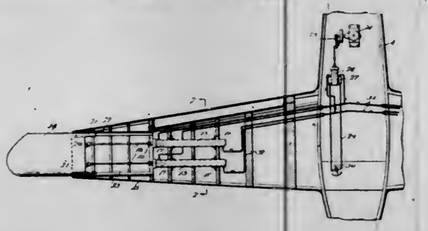
A gauge of the character described comprising

a chart carrier, a pendulum arm having one end pivotally connected to the carrier and being adapted to swing across said carrier, said



pendulum arm being provided with a weighted head pivotally mounted on its opposite end and adapted to swing toward the said carrier.

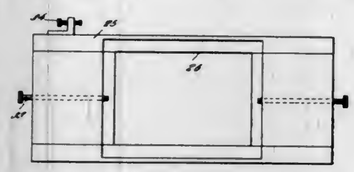
2,249,729
AIRPLANE WING
John Louis Fitzurka, Pittsburgh, Pa.
Application September 18, 1939, Serial No. 295,493
2 Claims. (Cl. 244—43)



1. In an aircraft, a fuselage having permanent wings extending laterally on opposite sides thereof, parallel channel-iron tracks within said wings adjacent the leading and trailing edges thereof, extensible and retractible tips within the outer ends of the wings and having their front and rear edges conforming with the channel-iron tracks in which they freely slide, runners carried by the rear and front edges of the tips and extending inwardly from the ends thereof and sliding within the channel-irons and forming unbroken continuations of the front and rear edges of the tips, and manually controlled operating means connected to the inner ends of the tips between the runners.

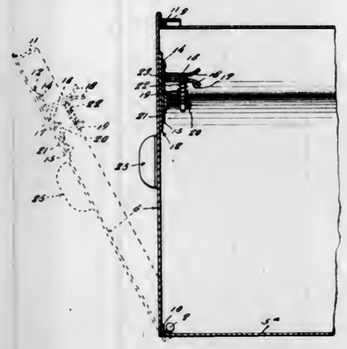
2,249,730
MULTIPLE NEGATIVE DUPLICATOR
James H. Gentry, Philadelphia, Pa., assignor of one-half to Raymond W. Dalley, Haddon Heights, N. J.
Application December 21, 1938, Serial No. 247,134
2 Claims. (Cl. 88—24)

1. In a photographic reproducing apparatus, a camera support, a lamp rearwardly of the camera, a chase receiving chamber between the camera and the lamp, a chase holder having an opening therein, means for adjustably mounting the holder in the chamber, a negative or positive chase adapted for mounting a negative or positive plate therein, and means carried by the chase for centering the same with respect to the opening, said means comprising threaded spreaders projecting



through the walls of the chase with their outer ends abutting the walls of the chase holder and their inner ends overlying the edges of the plate carried by the chase for retaining the plate therein.

2,249,731
RURAL MAILBOX DOOR LATCH
James E. Gilstrap, Macon, Mo.
Application September 20, 1939, Serial No. 295,833
1 Claim. (Cl. 292—74)

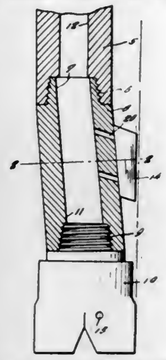


A door latch for engaging a keeper bar comprising a plate connected with the inner face of a door, a pair of elongated spring jaw members having right angularly extending base portions extending in opposite directions, means for fastening the base portion of one jaw member to the plate, a guiding strap fastened to the plate and having a channel-shaped part through which the base portion of the other jaw member passes for sliding movement, the free ends of the jaw members curving in opposite directions, a pin extending from an intermediate part of said other jaw member, a bracket connected with the guiding strap and having a hole therein through which the pin passes and a spring encircling the pin and having one end bearing against the jaw member to which the pin is connected and its other end against the bracket.

2,249,732
OFF CENTER REAMER
Paul F. Green, Jennings, La.
Application September 22, 1939, Serial No. 296,148
4 Claims. (Cl. 255—73)

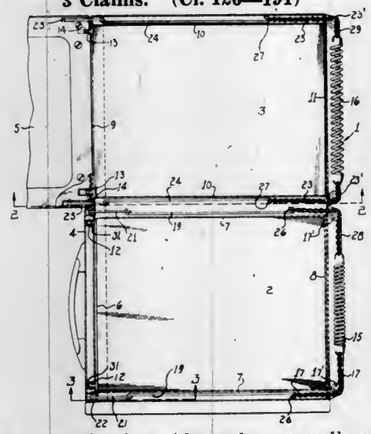
1. In a drilling tool, a stem, a drill bit, a coupling connecting the stem with the drill bit, said coupling having its longitudinal axis positioned at an angle with respect to the longitudinal axis of

both the stem and the drill bit and a reamer projecting laterally from one side of the coupling,



said reamer being positioned at the inside of the angle between the coupling and the stem.

2,249,733
OVEN FOR GAS RANGES
Carl H. Hoffstetter, Erie, Pa.
Application January 8, 1940, Serial No. 312,998
3 Claims. (Cl. 126—191)



1. An oven having side and rear walls and a front frame, a door pivoted to said front frame, a housing mounted on the rear wall of said oven, a coil spring mounted in said housing, and flexible means connecting the ends of said spring to said door for aiding the closing of said door.

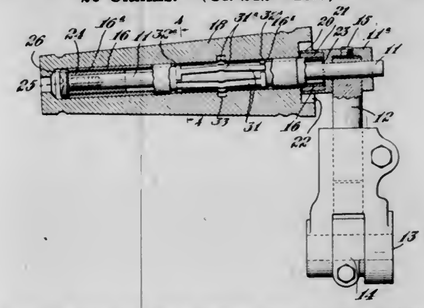
2,249,734
PROTECTIVE COVERING
Theodore M. Tate and Mary Helen Tate, Cleveland, Ohio
Application March 28, 1939, Serial No. 264,658
2 Claims. (Cl. 2—174)

1. A protective covering adapted to be worn while removing or putting on clothing to prevent soiling of the clothing by cosmetics or the like and to prevent disarranging of the hair, comprising a concavo-convex guard member of mask-like form, said guard member being formed of stiff transparent material and shaped to cover the face and the forward portion of the head of the user, upper and lower attaching bands arranged to be secured about the upper portion of the head and the neck of the user, said guard being attached at its side edge portions to opposite sides of said bands and in spaced relation to the forward portions of said bands so as to occupy a position out of contact with the face of the user when the bands are secured about the



upper portion of the head and the neck, and a crown strap attached at its forward end to the top of said guard intermediate the sides of the latter and having a loop at its rear end through which an end of the upper band slidably extends.

2,249,735
WINDING MACHINE
Edward J. Abbott and Winthrop L. Perry, Wilton, N. H., assignors to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application February 28, 1938, Serial No. 193,006
20 Claims. (Cl. 242—46.7)

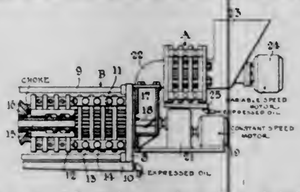


1. In a winding machine, a spindle for holding a rotary winding element, movable means for supporting the spindle alternatively in a winding position and in an inactive position, the spindle having one portion which defines an internal bearing and another portion which defines an external bearing for the rotary winding element, said internal bearing being of convex shape and said external bearing being of concave shape and the rotary winding element having surface portions rotatably fitting and turning in frictional contact with said bearings, whereby to minimize rotation of the winding element while the spindle is in the inactive position.

2,249,736
SCREW PRESS
Raymond T. Anderson, Berea, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application June 24, 1938, Serial No. 215,683
8 Claims. (Cl. 100—48)

1. A press comprising a casing having drainage openings, a constricted discharge and an ex-

pressing worm mounted therein; means for driving said worm at substantially constant speed; means for feeding material from which liquid is to be expressed into operative relation with said worm; and automatic self-regulating means



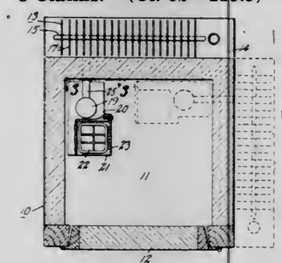
comprising an electric motor for driving said feeding means at a speed varying inversely as the load imposed upon it to produce a constant rate of extraction by said press, said motor being independent of the driving means for said worm.

2,249,737

REFRIGERATING APPARATUS

Sigurd Mattias Bäckström, Stockholm, Sweden, assignor to Platen-Munters Refrigerating System, Aktiebolag, Stockholm, Sweden, a corporation of Sweden

Application November 27, 1936, Serial No. 112,948
In Germany November 27, 1935
3 Claims. (Cl. 62—119.5)



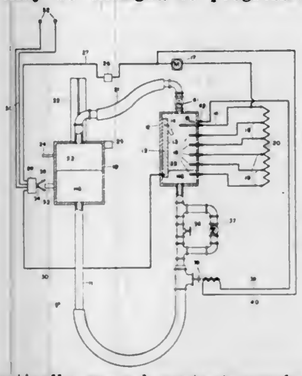
1. In a refrigerating device, a cabinet having a door, an absorption refrigerating apparatus including a generator, a condenser and an absorber adapted to be located on different exterior sides of said cabinet and an evaporator adapted to be located in different positions within said cabinet, conduits rigidly connecting said generator, condenser, absorber and evaporator together and providing for flow of fluids therebetween, and a member rigidly securable to said evaporator in a single position and having a shelf open at two adjacent sides for supporting ice trays, said member being so constructed and arranged that an opening of said shelf faces said door in any of said positions of said evaporator within said cabinet.

2,249,738

RHEOSTAT CONTROL

John H. Brownfield, United States Navy
Application November 17, 1939, Serial No. 304,967
3 Claims. (Cl. 200—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a current regulator for electrical devices comprising a pair of interconnected receptacles adapted to contain an electroconductive liquid, a vertically extending contact member in one of said receptacles adapted to be connected to one of a pair of lines leading to a source of power, a plurality of vertically spaced apart contact members in said receptacle spaced from said vertical contact member, a tube means interconnecting said receptacles and means for mounting one of said receptacles for vertical displacement relative to the other of said receptacles whereby the level of the electroconductive liquid may be changed to progressively bridge

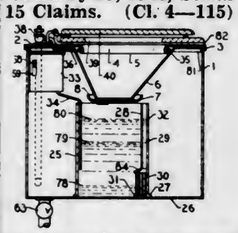


said vertically spaced contact members to said vertically extending contact member, said mounting means for said one receptacle comprising a vertical guide, a switch in said power lines limiting the movement of said receptacle in one direction and means limiting the movement of said receptacle in the other direction.

2,249,739

METHOD AND APPARATUS FOR TREATING SEWAGE

George T. Brownell and Walter J. Woodhams, Marshall, Mich.
Application January 19, 1940, Serial No. 314,673
15 Claims. (Cl. 4—115)



1. A method of treating aqueous sewage having a high colloidal matter content, which includes the steps of releasing ozone in said body of sewage to chemically treat, sterilize, and deodorize same, and further treating said sewage by contacting the upper surface of same with an ozone-laden layer of air.

2,249,740

ALUMINUM ALLOYS

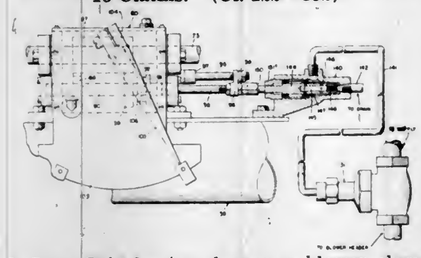
Walter Bonsack, South Euclid, Ohio, assignor to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 14, 1939, Serial No. 284,527
4 Claims. (Cl. 75—146)

1. An aluminum base alloy of high tensile strength and ductility containing magnesium, zinc, and the balance aluminum and minor impurities including a small amount of silicon not in excess of about 1%, the percentage of zinc in the alloy being about 1.2% to about 12%, and the percentage of magnesium in the alloy being to form magnesium silicide and to react with all that required to react with all of the free silicon of the zinc to form an aluminum-magnesium-zinc ternary compound, such percentage of magnesium being within the range of about .5% to about 7%.

2,249,741

BOILER CLEANER

Frank Bowers, Detroit, and Harry E. Brelsford, Birmingham, Mich., assignors to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application July 19, 1937, Serial No. 154,522
15 Claims. (Cl. 122—392)

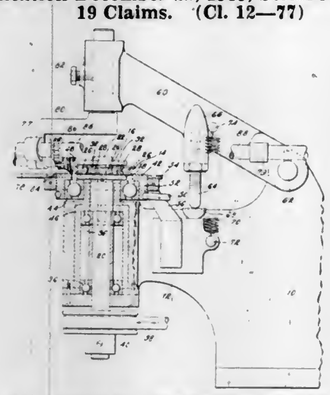


2. In a fluid heater cleaner, a blower element mounted for movement to projected and retracted positions, means for moving said blower element to said positions, means for initiating the actuation of said moving means, means for thereafter controlling and continuing the operation of said moving means to cause the same to move the blower element from its retracted to its projected position and to then automatically return the blower element to its retracted position, a source of cleaning fluid under pressure communicating with the blower element, and means responsive to a substantial drop in the pressure of the cleaning fluid admitted to the blower element as the latter is moved toward its projected position to automatically actuate the controlling means to cause the blower element to return to its retracted position.

2,249,742

AUTOMATIC EDGE SETTING MACHINE

Charles G. Brostrom, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 22, 1939, Serial No. 310,604
19 Claims. (Cl. 12—77)

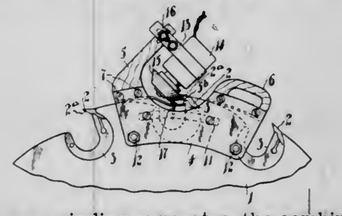


1. An automatic edge setting machine for operating upon unattached soles comprising an edge setting tool, and work feeding means associated with the edge setting tool and arranged to force the edge of an unattached sole against the tool as it moves the sole edge past the tool.

2,249,743

SAW SHARPENING APPARATUS

Elroy J. Bucknam, Toronto, Ontario, Canada
Application October 13, 1939, Serial No. 299,345
7 Claims. (Cl. 76—37)

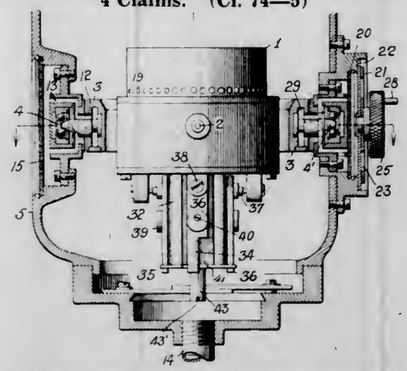


1 In saw grinding apparatus, the combination of a saddle-back frame adapted to engage the periphery of the saw at spaced points and having depending sides forming between them a guideway to receive the toothed edge of a saw, said frame having an opening in its head intermediate its points of engagement with the saw periphery and through which a saw tooth may project; a grinding wheel carried by said frame and extending into said opening to engage the cutting edge of a tooth projecting through said opening; means for rotating said grinding wheel; and a cam member extending from the forward part of the frame downwardly and rearwardly into said opening below the grinding wheel and adapted as the frame is moved forwardly, to lift said frame to carry the grinding element clear of the next saw tooth in advance and into position to engage the portion of said advanced tooth to be ground when the movement of the frame is reversed.

2,249,744

GYRO VERTICAL

Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 5, 1938, Serial No. 194,039
4 Claims. (Cl. 74—5)



3. In an air spun, air erected gyroscope, a rotor and rotor bearing casing, an air actuated erection device on said casing, a gimbal ring in which said casing is pivotally mounted, a supporting frame in which said ring is pivotally mounted, channel means for leading air in through the pivotal mountings of both said ring

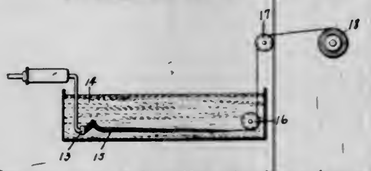
and casing and through said ring to within said casing to spin the rotor, separate channel means for leading in air through both said pivotal mountings and ring to within said casing for actuating said erection device, separate discharge ports for each air supply, and baffle means at the discharge ports from the rotor for preventing disturbing torques from the discharged air.

2,249,745

CELLULOSIC STRUCTURES AND METHOD OF PRODUCING SAME

William Hale Charch, Buffalo, and William Frederick Underwood, Amherst, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application December 21, 1937, Serial No. 180,976
17 Claims. (Cl. 18—54)



1. The process of directly spinning crimpy filaments which comprises extruding viscose, in the form of filaments, into a setting bath which has a sufficiently rapid coagulating action, relative to any regenerating action thereof, to completely coagulate said filaments prior to any substantial regeneration thereof, drawing said filaments from the point where they are extruded into the bath, the velocity of extrusion being at least four times the velocity of draw-off.

2,249,746

APPARATUS FOR TREATING LIQUIDS

Ivor M. Colbeth, East Orange, N. J., assignor to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey

Application September 13, 1937, Serial No. 163,575
12 Claims. (Cl. 23—270.5)



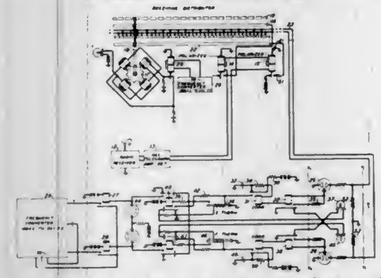
1. In apparatus of the character described, a container, means for introducing a comparatively heavy liquid into the upper portion of said container and drawing it off from the lower portion thereof, means for introducing a lighter liquid into the lower portion of said container and withdrawing it from the upper portion thereof, means comprising a bottom member having perforated surfaces sloping downwardly from a central point tending to cause said lighter liquid to pass upwardly through said container while being surrounded mainly by the descending heavier liquid, said container having an extension decreasing in cross section upwardly, and means to introduce a washing fluid into the smaller end of said extension.

2,249,747

REGULATING SYSTEM

Ira E. Cole, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 21, 1940, Serial No. 341,623
8 Claims. (Cl. 178—53)



1. In a communication system, a transmission channel, a correcting distributor at one end of said channel, a corrected distributor at the other end of said channel, means at the said other end of said channel for producing a signal at the transition in said channel from one to another transmission condition, a slow and a fast correction circuit, means including said corrected distributor for directing said signal into one of said correction circuits, said circuits each comprising a cold cathode tube set into operation by said signal, a relay provided with a hang-over circuit for maintaining said tube in operation for the time period of said hang-over circuit, and an integrating relay responsive to a predetermined number of operations of said relay within a predetermined time for effecting a correcting operation.

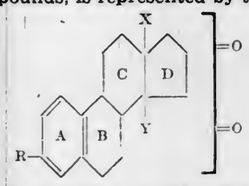
2,249,748

COMPOUNDS OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND A METHOD OF MAKING THE SAME

Elisabeth Dane, Munich, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application October 26, 1938, Serial No. 237,144. In Germany October 27, 1937
12 Claims. (Cl. 260—397.5)

1. A method for producing compounds of the estrane series, comprising subjecting a di-keto compound of the group consisting of saturated C-ring and unsaturated C-ring compounds of the cyclopentano polyhydro phenanthrene series whose composition, except for the double bond in the C-ring in the case of the unsaturated C-ring compounds, is represented by the formula



wherein R represents a member selected from

the class consisting of a hydroxyl group and groups transformable into the hydroxyl group with the aid of hydrolysis, while X and Y are members of the group consisting of hydrogen and methyl residue, which keto compounds have the two keto groups at any position in ring D, to the action of a reducing agent until the keto groups are reduced, whereby diol compounds of the oestrane series are obtained.

2,249,749

AZO COMPOUNDS AND MATERIAL COLORED THEREWITH

Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 14, 1939, Serial No. 304,364
15 Claims. (Cl. 260—152)

1. The azo compounds having the general formula:

$$A-N=N-R$$

wherein A represents the residue of a member selected from the group consisting of an aryl nucleus of the benzene series and a benzothiazole nucleus, R represents a member selected from the group consisting of a phenyl nucleus, a naphthyl nucleus, a tetrahydroquinoline nucleus and a phenmorpholine nucleus, wherein said phenyl and naphthyl nuclei contain an aliphaticamino group in para position to the azo bond, said aliphaticamino group having a

$$-O-\overset{\overset{O}{\|}}{C}-OR_2$$

group, wherein R_2 represents a member selected from the group consisting of alkyl, cycloalkyl, allyl, phenyl and furyl, attached to its aliphatic portion, wherein said tetrahydroquinoline and phenmorpholine nuclei contain an aliphatic group joined through a carbon atom of the aliphatic group to their nuclear nitrogen atom and wherein said aliphatic group contains a

$$-O-\overset{\overset{O}{\|}}{C}-OR_2$$

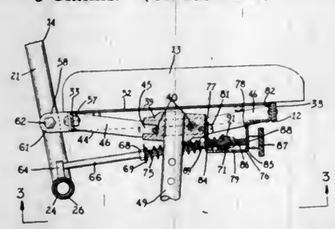
group, wherein R_2 has the meaning given above, attached thereto.

2,249,750

CHAIR

Clifford C. Dickson, St. Paul, Minn., assignor to The Fritz-Cross Company, St. Paul, Minn., a corporation of Minnesota

Application April 20, 1938, Serial No. 203,054
5 Claims. (Cl. 155—161)



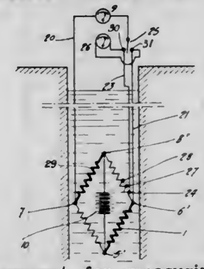
5. In a chair, a seat frame, a back rest frame including vertically extending frame members, pivot means intermediate the ends of said vertical frame members for pivoting said back rest frame to said seat frame, and providing depending portions on said vertical frame members, a connecting portion connected to said depending portions and disposed below said pivot, two elongated members connected to said connecting portion of the back rest frame and straddling said standard, said elongated members extending forwardly of the standard, a yoke connecting said elongated members together forwardly of the standard, a threaded member, a support for said threaded member issuing from said seat frame, said threaded member engaging said yoke and acting in conjunction with said support to move said yoke to swing said back rest frame forwardly and rearwardly.

2,249,751

ARRANGEMENT FOR MEASURING TEMPERATURES AT A DISTANCE, PARTICULARLY IN BOREHOLES

Henri Georges Doll, Paris, France, assignor, by mesne assignments, to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application December 27, 1937, Serial No. 181,879
In France January 7, 1937
6 Claims. (Cl. 73—362)



1. An arrangement for measuring temperatures at a distance, particularly in bore holes, comprising a thermometric element of which the resistance varies as a result of temperature variations, the element being lowered into the mud of the bore hole, three resistances electrically connected together and to the said element to form a Wheatstone bridge, at least one of the corners of the Wheatstone bridge being lowered into the bore hole to the immediate vicinity of the thermometric element, a source of current electrically connected to two opposite corners of the Wheatstone bridge, a plurality of instruments for measuring potential differences, and means for electrically connecting the said instruments at will each to two out of a group of points previously chosen on the Wheatstone bridge resistances, the said instruments being arranged to measure separately the potential differences subsisting between the points to which they are respectively connected.

2,249,752

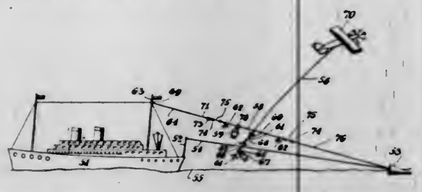
METHOD AND APPARATUS FOR DELIVERING ARTICLES TO AND PICKING ARTICLES UP FROM SHIPS

Richard C. du Pont, Wilmington, Del.

Application July 8, 1939, Serial No. 283,446
7 Claims. (Cl. 244—137)

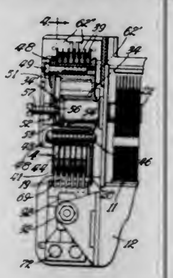
7. Apparatus for transferring articles to a boat from an aircraft and from a boat to an aircraft comprising in combination a boat, a plurality of masts, a sea anchor, a first line connected at one end to one of said masts and at its other end to said sea anchor, a second line attached at one end to another of said masts at a point above the point of attachment of said first line, a pick-up

and delivery line detachably connected at one end to the other end of said second line, and a sus-



pending line connected to said sea anchor at one end and detachably connected to said pick-up and delivery line at its other end.

2,249,753
ELECTRIC CONTROL APPARATUS
Harold F. Elliott, Palo Alto, Calif.
Application June 7, 1939, Serial No. 277,856
20 Claims. (Cl. 74—568)

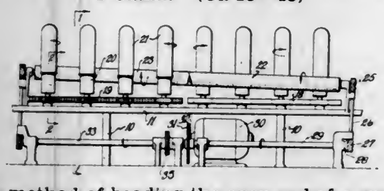


1. In a radio tuner having a rotary member for operative connection with radio receiver frequency changing means and having an assembly of a plurality of control members angularly adjustable on the rotary member, means for collectively clamping and unclamping the control members to the rotary member including a screw operatively connected with the rotary member, and extending longitudinally of the axis thereof, a threaded support for the screw mounted on the rotary member and axially but non-rotatably movable with reference thereto upon rotation of the screw, and clamping means operatively connected with said support and with the control member assembly to accomplish clamping of the control members upon axial movement of the threaded support in one direction and unclamping thereof upon axial movement in the other direction.

2,249,754
LOW SUBSTITUTED ALKYL CELLULOSE ETHER
Deane C. Ellsworth, deceased, late of Wilmington, Del., by Joseph F. Haskins, administrator, Wilmington, Del., and Frederick C. Hahn, Upper Montclair, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1937, Serial No. 180,965
1 Claim. (Cl. 260—231)

A low substituted alkyl cellulose having 0.1 lower alkyl residues per C_6 unit of cellulose, the alkyl residues of which contain from one to two carbon atoms, said alkyl cellulose being substantially undissolvable by 6% aqueous caustic soda at ordinary temperature but soluble in said alkali solution near the freezing point thereof.

2,249,755
METHOD FOR TREATING THIN RUBBER ARTICLES
Gustav A. Fingado, Hohokus, and Hans Ludwig, Cliffside, N. J., assignors to Julius Schmid Inc., New York, N. Y.
Application July 1, 1939, Serial No. 282,448
1 Claim. (Cl. 18—48)



A method of beading the open end of a spreadable rubber film which is located on a mandrel, which consists in turning the mandrel around its longitudinal axis in opposite directions, while wiping the rubber film longitudinally relative to the mandrel so as to form a beaded edge at said open end.

2,249,756
PROCESS
Theron G. Finzel, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 5, 1938, Serial No. 233,481
15 Claims. (Cl. 18—54)

1. Process for crimping a filament of synthetic linear superpolymer which includes the steps of treating the filament with a swelling agent and exposing the filament in its oriented state while swollen with said agent and in a substantially relaxed condition to an indifferent liquid whose temperature is at least about 20° C. above the boiling point of the said swelling agent.

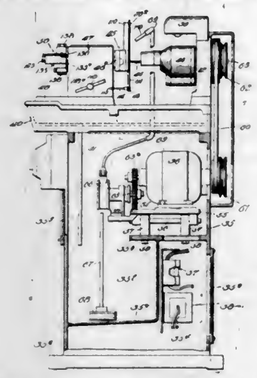
2,249,757
ALKYL HYDROXY AROMATIC SULPHONATE
Lawrence H. Flett, Hamburg, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 26, 1933, Serial No. 691,082
50 Claims. (Cl. 260—512)

2. An alkyl hydroxy aromatic sulphonate in which the alkyl, hydroxy, and sulphonate groups are nuclear substituents and the alkyl group contains at least 12 carbon atoms.

17. A process of producing an alkyl hydroxy aromatic sulphonate which comprises forming an alkyl hydroxy aromatic compound in which the alkyl and hydroxy groups are nuclear substituents by condensing an alkylating agent containing at least 12 carbon atoms and selected from the group consisting of an alcohol, an olefine hydrocarbon and an alkyl halide with at least one molecular equivalent of a hydroxy aromatic compound, with the aid of a metal halide condensing agent, and sulphonating the resulting alkyl hydroxy aromatic compound.

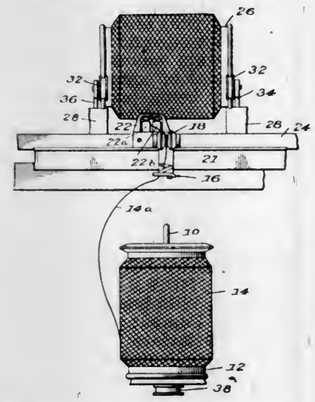
2,249,758
NUT TAPPING MACHINE
Herman Goldberg, Chicago, Ill.
Application February 19, 1938, Serial No. 191,386
25 Claims. (Cl. 10—139)

17. The combination in a machine of the class described, of means for rotating a tool, a work holder, means operated by fluid pressure for moving said work holder toward said tool, means for producing a return movement of said work hold-



er, and fluid pressure-operated means actuated upon said return movement for moving a blank in said holder to a position opposite said tool.

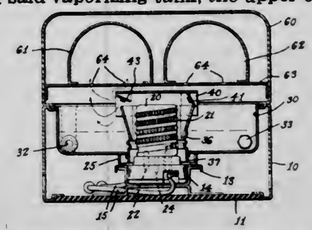
2,249,759
THREAD TWISTING
Carl F. Gram, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application February 19, 1940, Serial No. 319,774
17 Claims. (Cl. 57—106)



1. That improvement in upstroke twisting which comprises leading a yarn over guiding means without substantial relative longitudinal motion between any point on the yarn and the guiding means while the yarn is in contact with the guiding means and is being twisted.

2,249,760
SHOE HEATER
Raymond B. Harrison and Lyman E. Alley, Dover, N. H., assignors to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application January 4, 1939, Serial No. 249,234
12 Claims. (Cl. 12—1)

2. A shoe heater of the class described including a casing providing a shoe treating chamber, an open vaporizing tank beneath said chamber having an upstanding metallic stack therein enclosing a radiant heating unit and carrying a metallic radiating plate suspended above the bottom of said vaporizing tank, the upper end of said

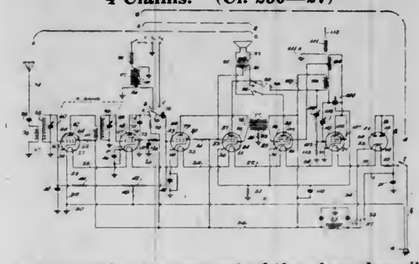


stack being open and in communication with said chamber.

2,249,761
ACID PROCESS FOR THE EXTRACTION OF ALUMINA
Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware
No Drawing. Application August 5, 1938, Serial No. 223,234
1 Claim. (Cl. 23—87)

In a process of treating aluminum ores with hydrochloric acid, the steps consisting in separating the resulting solution from the insoluble residue; contacting the solution with a selective organic solvent immiscible in water, whereby the iron content of the water solution is extracted; separating the water solution from the organic solvent containing the iron; contacting the organic solvent solution with a water solution; recycling the organic solvent; and then treating the water solution containing the iron with a reducing agent to reduce the iron content to the ferrous state and recycling the water solution.

2,249,762
POWER AMPLIFIER AND TRANSMITTER AND THE LIKE
James L. Hogan, New York, N. Y.
Application January 5, 1939, Serial No. 249,434
4 Claims. (Cl. 250—27)



1. A circuit arrangement of the class described, including a signal input circuit, an audio amplifying circuit including an audio amplifier vacuum tube, a push-pull audio amplifying circuit including audio amplifying tubes and a transformer, a loud speaker, means for controlling output of the first audio frequency amplifying tube whereby the output of the push-pull audio frequency amplifier may be controlled, an oscillator vacuum tube, an oscillatory circuit for said oscillator tube, and including a coil, an oscillatory circuit for the push-pull amplifying tubes and including a coil and the secondary of the push-pull amplifying transformer, an output circuit inductively coupled with the coils, a rectifier vacuum tube for supplying high tension current to the oscil-

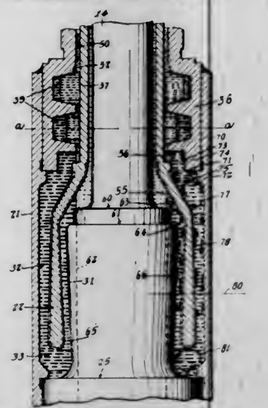
lator and amplifying vacuum tubes, and switch means operative in one position for connecting a loud speaker to the push-pull amplifying tubes and in another position for connecting the push-pull amplifying tubes in the oscillatory circuit for exciting the oscillator tubes and thereby controlling the output of said oscillator tubes.

2,249,763

SEALING DEVICE

Aladar Hollander and Vaino A. Hoover, Los Angeles, Calif., assignors to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware

Application December 8, 1937, Serial No. 178,739
13 Claims. (Cl. 286—9)



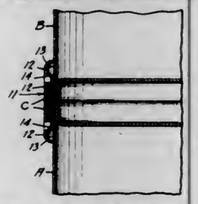
1. A liquid seal for use between a rotating shaft and a stationary member, comprising in combination: an enlargement on said shaft terminating at its upper end in an upwardly facing shoulder continuous with and extending outwardly from said shaft; a shell secured at its lower end to said enlargement and extending upwardly in spaced coaxial relation thereto, the upper portion of said shell above said enlargement being constricted to form a neck of smaller diameter than the shaft enlargement; and an annular baffle secured to said stationary member and extending downwardly into the space between said shaft and said shell to a point below said shoulder, said shell containing sealing liquid having its upper surface adjacent said shoulder when said shaft is rotating.

2,249,764

LOCKING DEVICE

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 9, 1938, Serial No. 218,407
4 Claims. (Cl. 220—61)



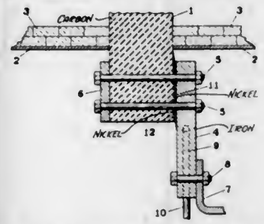
1. A locking band adapted for permanently securing together cans having end seams and arranged in stacked formation, which comprises a substantially flat split ring adapted to engage around adjacent end seams of the stacked cans, a plurality of inwardly struck longitudinally and transversely spaced rigid holding lugs formed in said ring and arranged around the ring for engaging and pressing together the adjacent end seams of the cans so as to uniformly hold them against lateral separation, and means at the ends of said split ring for clamping the latter in end seam holding position.

2,249,765

ELECTRICAL CONTACT IN ELECTROLYTIC CELLS

Robert Edwin Hulse, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 6, 1937, Serial No. 152,245
9 Claims. (Cl. 204—243)



1. In a fused salt electrolysis cell having a carbonaceous electrode, an electrical connection to said electrode comprising an iron or steel member fastened to said electrode and an electrical terminal connected to said member at a point removed from the point of connection to said electrode, said member being provided with an adherent layer of a metal selected from the group consisting of nickel, chromium, and Monel metal, at the point of contact with the carbonaceous surface of said electrode, said layer of metal being directly in contact with said member.

2,249,766

ALKALI METAL SALT OF HYDROGENATED ROSIN

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 4, 1938, Serial No. 193,915
4 Claims. (Cl. 134—21)

1. A dry rosin size in powder form and substantially free of water comprising an alkali-metal salt of an hydrogenated rosin which is saturated by combination with hydrogen to an extent greater than 50 per cent of the theoretical for two double bonds of its unsaturated rosin acid radicals.

2,249,767

METHOD OF MAKING AEROGELS

Samuel S. Kistler, Worcester, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application July 3, 1937, Serial No. 151,970
3 Claims. (Cl. 252—273)

1. The method of preparing an aerogel which comprises filling a closed, pressure resisting, heating apparatus with gel, heating until at least the critical pressure of the liquid is reached, then continuing heating while maintaining the pressure at the selected point by releasing small quantities of the liquid as the pressure tends to rise until at least the critical temperature of the liquid is reached, and then releasing the fluid while maintaining its vapor phase.

2,249,768

PREPARATION OF ALLYL ESTERS

Edward L. Kropa, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 30, 1939, Serial No. 282,194
10 Claims. (Cl. 260—475)

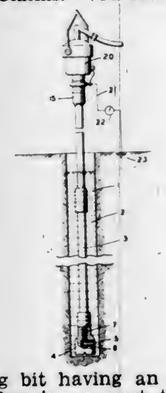
1. A process of producing allyl esters which comprises heating to reaction temperature allyl alcohol with a polycarboxylic acid in the presence of an organic sulfonic acid esterification catalyst and a polymerization inhibitor selected from the group consisting of copper and its alloys.

2,249,769

ELECTRICAL SYSTEM FOR EXPLORING DRILL HOLES

Eugene G. Leonardon, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application November 28, 1938, Serial No. 242,864
11 Claims. (Cl. 175—182)



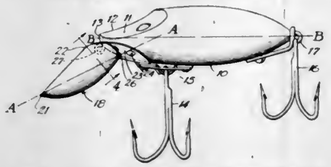
7. A drilling bit having an electrode affixed thereto and forming a part thereof but electrically insulated therefrom.

2,249,770

FISH LURE

Joseph McArthur, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a corporation of Michigan

Application July 26, 1939, Serial No. 286,663
12 Claims. (Cl. 43—46)



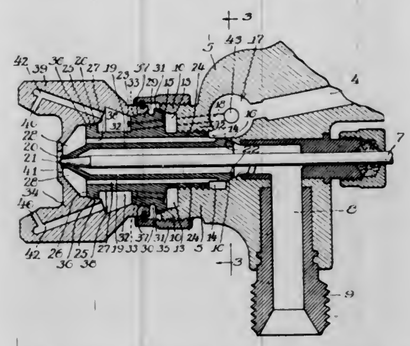
1. In a fish lure, a body of substantially stubby cigar shape, a spoon of generally trough shaped formation dished longitudinally and transversely and having side walls upwardly extending to afford a deep water channel, said spoon extending obliquely forwardly and downwardly from the under side of the head and projecting in the main in advance of the tip thereof and secured at its rear end closely around the under side of the head along a line to the rear of the tip of the head, the tip of the head lying midway of the rear ends of the side walls of the spoon and serving in conjunction therewith as an abutment to divide the water flow through the spoon and direct the same laterally, the spoon from its forward end to its point of juncture with the under side of the head being in length not less than two-fifths of the length of the body measured from the tip of the head to the rear terminus, and a line tie secured to the head.

2,249,771

NOZZLE STRUCTURE FOR SPRAY GUNS

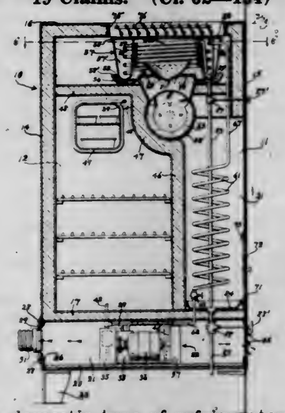
William B. MacMartin, Lombard, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Original application March 6, 1939, Serial No. 260,040. Divided and this application August 28, 1939, Serial No. 292,187
7 Claims. (Cl. 299—140.1)



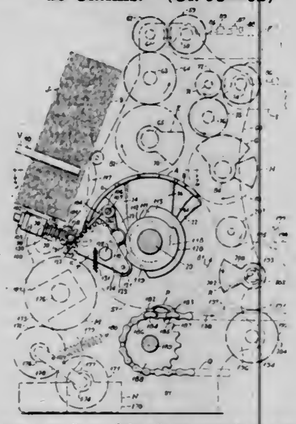
1. In nozzle structure for a spray gun having a body provided with material and air passages leading to the forward end of the body, an air nozzle part connected to the forward end of the body by a coupling means, and a material and air nozzle unit connected between the air nozzle part and the forward end of the body and having material and air passages communicating with the material and air passages in the body, the combination of said forward end of said body being provided with a socket of general cone form with cone seats at the mouth and the base of the socket and with a threaded part between said seats, and an end of said unit being of generally cone form to fit in said socket and having cone seats to form mouth and base seals with said cone seats of the body and also having a threaded part between the seats of the unit to join with the threaded part of the body, said joined threaded parts being spaced from said seals to provide a rear air channel between said threaded parts and the base seal and a forward air channel between said threaded parts and the mouth seal whereby said channels are separated by said threaded parts, said rear channel being in communication with the air passage in the body and the air passage in the unit being in communication with said rear channel, said body having an auxiliary air passage communicating with the air passage in the body and with said forward channel, said unit having an auxiliary air passage therein communicating with said forward channel and with said air nozzle part.

2,249,772
COMBINATION AIR CONDITIONER AND REFRIGERATOR
Pietro Maniscalco, Toledo, Ohio
Application May 18, 1940, Serial No. 335,983
19 Claims. (Cl. 62—134)



1. In a domestic type of refrigerator including a cabinet provided with a storage chamber and a refrigerating unit, air conditioning means comprising an air channel extending thru the cabinet adjacent the storage chamber and including air inlet and outlet means thereon, a jacket having spaced walls providing an annular water chamber interposed in said channel and forming part thereof, a freezing unit associated with said jacket and operable by said refrigerating unit adapted to freeze water in the jacket chamber and cool the air flowing thru the channel and jacket, and valve controlled sprinkling means and draining means associated with the jacket to receive moisture condensed on the latter, whereby to either restore moisture of condensation to the air circulating thru the channel, or to remove said moisture for dehydrating the air.

2,249,773
METHOD AND MEANS FOR GUMMING ENVELOPES AND SIMILAR SHEET MATERIALS
John A. Mattera, New York, N. Y., assignor to Envelope Machine Corp., a corporation of New York
Application July 19, 1939, Serial No. 285,332
15 Claims. (Cl. 93—62)

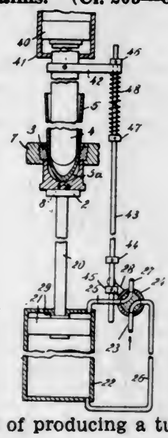


1. In an envelope blank gumming and imprinting mechanism for simultaneously applying different types of gum to the side and end flaps of an envelope, a cylindrical carrier, a plurality of applicator means to apply said different types of gum to said carrier to be applied to said blank, a stack carrying envelope blanks, transfer means to transfer one of said blanks from said stack to said carrier, said transfer means including rotatable suction fingers to withdraw one of said blanks from said stack and means to withdraw said suction fingers out of the way of said carrier when one of said blanks has been removed from said stack and applied to said carrier, holder means to hold said blank on said carrier and remover means to remove said blank from said carrier after it has taken up said gum, said carrier being provided with segregated rubber faced areas to receive and apply the different types of gum to the desired areas on the envelope blank and said applicator means including rotatable elements having gum carrying areas approximating the shape and size of the areas on the envelope blank to receive the gum, said applicator means and segregated areas being synchronized so that gum will only be applied to said segregated areas.

2,249,774
AZO COMPOUND AND MATERIAL COLORED THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 24, 1940, Serial No. 347,218
18 Claims. (Cl. 260—155)

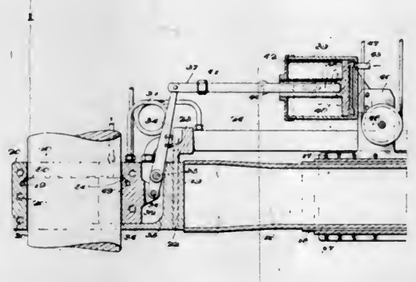
1. An azo compound having the general formula: $R—N=N—R_1$ wherein R represents the residue of a member selected from the group consisting of an aryl nucleus of the benzene series and an aryl nucleus of the naphthalene series, R_1 represents the residue of a tetrahydroquinoline nucleus containing an acylamino group in a position selected from the group consisting of the 5 and 7 positions and wherein said tetrahydroquinoline nucleus is joined through its 6 position to the azo bond shown.

2,249,775
METHOD OF PRODUCING TUBULAR METALLIC BODIES
William Hulse Millspaugh, Catawba Island, Ohio
Application March 4, 1939, Serial No. 259,824
In Great Britain January 26, 1939
7 Claims. (Cl. 205—8)



1. The method of producing a tubular body of metal which consists in expanding and shaping the end portion of a hollow billet having a tapering closed end by forcing a mandrel or arbor into the billet while said billet is supported in a closed end mold of the desired length and form in alinement with a drawing ring, with the tapering closed end of the billet bearing against the closed end of the mold, the tapering end portion of the billet being thus forced into conformation with the mold, and excess metal being extruded longitudinally between the mold, drawing ring and arbor.

2,249,776
ELECTRODE SUPPORTING STRUCTURE
William E. Moore, Pittsburgh, Pa., assignor, by mesne assignments, to Delaware Engineering Corporation, Wilmington, Del., a corporation of Delaware
Application December 27, 1937, Serial No. 181,921
15 Claims. (Cl. 13—16)

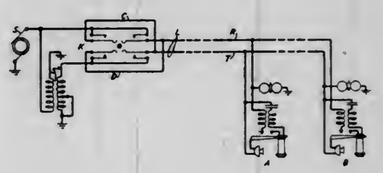


1. In an electric furnace having an electrode in a position at a substantial angle to a horizontal plane, an electrode clamp and supporting mechanism comprising an annular fluid cooled clamp body closely surrounding the electrode and having a bore to receive the electrode and form electrical contact therewith for a portion of its perimeter, a fluid cooled movable clamp section operatively associated with the clamp body to engage the electrode mechanically and electrically and completely surrounded by the fluid cooled clamp body, means carried by the clamp body to shield the lower portion of the movable clamp section from the heat of the furnace, resilient means normally moving the movable clamp section into clamping engagement with the electrode, and hydraulic mechanism operatively engaging the movable clamp section to move it out of engagement with the electrode against the tension of the resilient means.

2,249,777
METHOD AND APPARATUS FOR THE TWISTING OF THREAD
Herbert O. Naumann and William S. Bridges, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application May 24, 1938, Serial No. 209,758
11 Claims. (Cl. 57—59)

1. In a method for the twisting of thread the steps comprising providing a constant length twisting zone by constantly contacting a portion of the balloon from the inside, drawing the thread radially inwardly from the point of contact in an approximately horizontal path, and thereafter causing the thread to follow a path of least resistance through the twisting area.

2,249,778
SIGNALING SYSTEM
Stanley F. Nelson, Eustis, Fla., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 27, 1940, Serial No. 342,633
6 Claims. (Cl. 179—86)

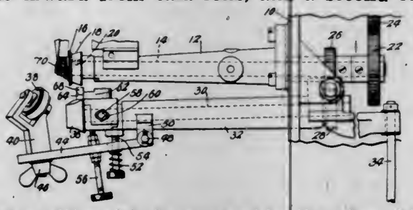


1. In a signaling system, a telephone line having tip and ring conductors, a pair of subscriber stations on said line, each having a ringer connected between ground and a different one of said line conductors, and each requiring a potential of predetermined magnitude for its operation, a source of signaling current, a source of potential just below the predetermined magnitude required for the operation of said ringers, and means at a central office for simultaneously applying said source of signaling current to one of said line conductors and said source of potential to the other of said line conductors.

2,249,779
MACHINE FOR BENDING SOLE MARGINS
Ernest S. Nokes, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 1, 1940, Serial No. 321,626
6 Claims. (Cl. 12—22)

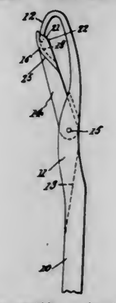
1. A machine for bending sole margins comprising, in combination, a sole supporting roll, a hold-down roll, an edge gage arranged to position the extreme edge portion of a sole between

said rolls, a feed wheel arranged to engage the sole inward from said rolls, and a second edge



gage positioned to be engaged by the edge of the sole after the sole has left said rolls.

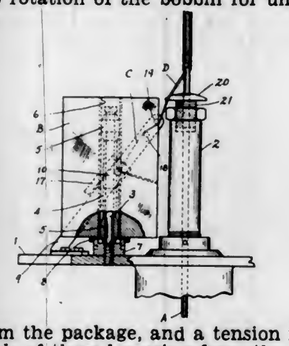
2,249,780
KNITTING NEEDLE LATCH
Charles L. Page, Philadelphia, Pa.
Application April 10, 1940, Serial No. 328,942
4 Claims. (Cl. 66—121)



1. In combination with a knitting needle having a hook and a slotted cheek, an improved latch comprising a blade and a spoon, said blade pivoted to the needle cheek within said slot, said spoon having a depression adapted to receive said needle hook in the upper closed position of the latch, said spoon having deep side walls at the sides of said depression for flanking the sides of the needle hook and appreciably overlapping the end of the needle hook, the tip end of said depression being open and unimpeded to permit said needle hook to engage the bottom of said depression, the upper line of said blade and spoon walls being substantially coincident, additional bodies of material on the sides of said blade adjoining and merging with the portions of the spoon side walls adjacent said upper line, the material below said bodies and below the adjacent portion of the spoon being removed at opposite sides of said blade to permit the blade to enter the slot in the needle cheek down to a low point on the spoon to compensate for the increase in the height of said side walls, the undersides of said additional bodies and of said walls being tapered lengthwise of the blade and spoon and at the same time rounded transversely to coact with adjacent sinkers in the downward swinging motion of the latch to preserve the center alinement of the latch.

2,249,781
SERVING HEAD
George E. Phillips, Leetsdale, Pa., assignor to National Electric Products Corporation, a corporation of Delaware
Application July 20, 1940, Serial No. 346,643
10 Claims. (Cl. 57—3)

1. In a server head for wrapping a jacket of threads upon a conductor core as it travels comprising a carrier structure rotatable around the conductor core, a plurality of bobbins carrying packages of thread on the carrier structure, and means for leading threads from the packages to the core; the combination of a bobbin-mounting organized under the weight of the bobbin-carried package to oppose moderate frictional resistance to rotation of the bobbin for unwinding

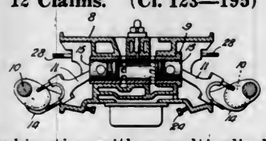


thread from the package, and a tension member in the reach of thread passing from the bobbin-carried package to the core and adapted to maintain approximately uniform tension on the thread by opposing to movement of the thread increased frictional resistance as the friction in the bobbin mounting decreases with decreased weight of the bobbin-carried package as the thread unwinds therefrom.

2,249,782
METHOD OF SETTING COATING COMPOSITIONS
Adolph J. Pingarrón, Woodside, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application February 9, 1938, Serial No. 189,704
17 Claims. (Cl. 101—416)

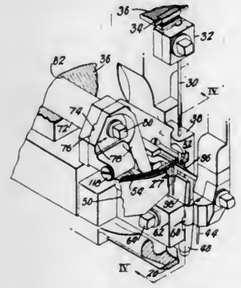
1. The method of rapidly setting a film of printing ink comprising pigments dispersed in a linseed oil vehicle which consists in impregnating the ink film with a solution of a film-forming solid which is soluble in linseed oil, dissolved in a volatile solvent miscible with linseed oil, and evaporating the volatile solvent.

2,249,783
CRANKSHAFT SUPPORTING MEANS
Ferdinando Carlo Reggio, Peoria, Ill.
Application April 10, 1939, Serial No. 267,032
12 Claims. (Cl. 123—195)



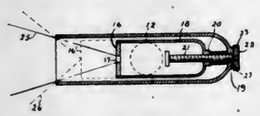
1. In combination with a multicylinder internal combustion engine having a crankshaft supported in removable bearings, reciprocating pistons connected with said crankshaft by means of connecting rods, normally inoperative supporting means, means for operatively connecting said supporting means with said engine whereby said supporting means may temporarily be brought in contact with said crankshaft when said engine is not operating for supporting the weight of said crankshaft when said bearings are removed, displacing said crankshaft along a predetermined path and holding said crankshaft in a position suitable for removing and replacing said pistons and connecting rods, and bringing said crankshaft back to its operating position whereupon said bearings can be reassembled.

2,249,784
LOOSE NAILING MACHINE
Charles A. Robinson, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 20, 1940, Serial No. 346,589
7 Claims. (Cl. 1—18)



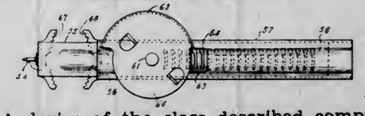
1. A loose nailing machine having, in combination, a driver guide having a channel, a raceway for conducting a line of nails to said channel, a separator for isolating the endmost nail in the raceway and delivering said nail to the channel, said separator comprising separate upper and lower fingers, the lower finger being positively held in engagement with the driver guide during a portion of the operation of the machine and the upper finger being movable relatively to the lower finger and away from the driver guide, and yieldable means for constantly urging the upper finger toward the driver guide.

2,249,785
BEAM CONTROL FOR SPOTLIGHT
John M. Roper, Washington, D. C., and Arnold D. Dircksen, Dayton, Ohio
Application November 1, 1940, Serial No. 363,869
4 Claims. (Cl. 240—45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



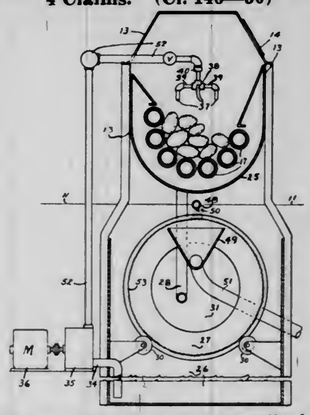
1. A spot light beam adjustment means comprising a spot light reflecting housing, a spot light lamp within said housing, an apertured shutter between the spot light lamp and an open end of the spot light housing, and means for adjustably securing said apertured shutter within a longitudinal range of movement between said spot light lamp and said open end of said spot light housing, said adjustable securing means comprising a pair of ribs to which said shutter is secured, a nut in which said ribs terminate, a threaded shaft extending through said nut and journaled through a closed end of said spot light housing, and knob means secured to said threaded shaft external of said housing for manipulating the same.

2,249,786
WRENCH AND JAR OPENER
Guido M. Sacerdote, Manhasset, N. Y.
Refiled for abandoned application Serial No. 424,201, January 29, 1930. This application March 17, 1939, Serial No. 262,439
4 Claims. (Cl. 81—128)



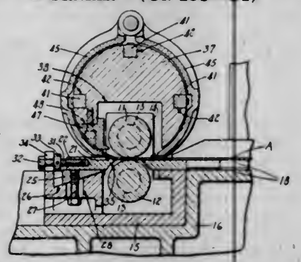
1. A device of the class described comprising a sheet metal male clamping member having a relatively wide and thin shank portion, a sheet metal female clamping member formed with a shank portion having its edges bent inwardly to form a channeled structure slidably embracing the shank portion of said male clamping member for substantially the full length thereof, said female shank portion acting as a handle for the device, one of said members being fixed and the other being longitudinally shiftable with relation thereto, a disc shaped cam member pivotally mounted on and abutting the outer surface of said fixed clamping member, said cam member being rotatable in a plane parallel to the plane of said clamping member, said cam member having a peripheral cam acting rib portion bent inwardly substantially at right angles to the plane thereof, and cam engaging means including perforations through the body of the movable clamping member, cooperating with said cam member in effecting relative fractional adjustments of said two clamping members.

2,249,787
VEGETABLE AND FRUIT SKIN REMOVING DEVICE
Bailie N. Savage, Seattle, Wash., assignor to Sanitary Food Processing Company, Inc., Seattle, Wash., a corporation of Washington
Application September 14, 1939, Serial No. 294,969
4 Claims. (Cl. 146—50)



1. A device of the character described for skinning articles of vegetable or fruit character, comprising a plurality of parallel driven rolls; spaced apart fabric cover means fixedly secured on each of said rolls, said rolls and said cover means forming a trough like means adapted to support and turn thereon articles to be skinned; brush like means formed from and positioned between spaced apart fabric cover means; and water spray nozzle means directed against said rolls and articles thereon.

2,249,788
CAN BODY FORMING MACHINE
Basil F. Saubestre, Elmhurst, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 8, 1939, Serial No. 308,272
5 Claims. (Cl. 153—54)



1. In a sheet metal can body making machine, the combination of a horn, feeding devices for advancing flat can body blanks toward said horn along a predetermined path of travel, and vertically spaced deflector means disposed adjacent said feeding devices for receiving therebetween said blanks and for uniformly bending the same into cylindrical can body shape irrespective of the temper of the metal in the respective blanks.

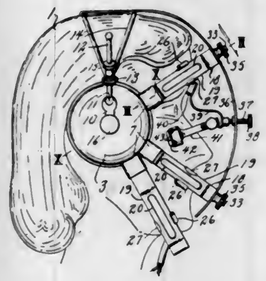
2,249,789
FERMENTATION
Alfred S. Schultz and Lawrence Atkin, Bronx, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application May 7, 1937, Serial No. 141,278
10 Claims. (Cl. 195—37)

4. A method for stimulating fermentation in spirit mashes, which comprises preparing a mash containing a yeast fermentable sugar material, inoculating said mash with yeast, incorporating therewith synthetic vitamin B_1, and effecting fermentation of said sugar material substantially without yeast growth.

9. A method for determining the vitamin B_1 content of a material, which comprises preparing a solution containing dextrose and an ammonium phosphate, adding yeast thereto and incorporating a vitamin B_1 containing material therewith, allowing fermentation to proceed substantially without yeast growth for a given period of time with agitation, determining volume of gas produced and comparing said gas volume with that arising from a like fermented solution to which vitamin B_1 in definite amount has been added.

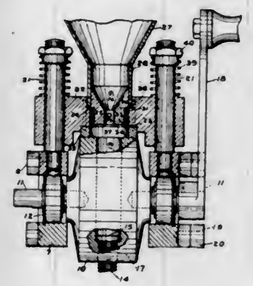
2,249,790
FACIAL CONTROL
Eduard H. Schwyn, Toledo, Ohio
Application July 6, 1938, Serial No. 217,747
1 Claim. (Cl. 128—410)

Facial contact apparatus embodying a skull positioned head set frame comprising a pair of ring-shaped ear pads and adjustable-pressure arched clamping means therebetween forming a unit adapted to be readily located about the ears of a patient in forming a major support, a plurality of primary carrier means of bow form extending from the unit adapted to be across the face of such patient, secondary carrier means connected between and mounted by the primary carrier means for an intersecting direction across the face of the patient, facial configuration promoting yieldable pad devices, and adjustable mounting means for locating the devices with



the carrier means, there being an additional nose treating adjustable yieldable pad device carried by the secondary carrier means.

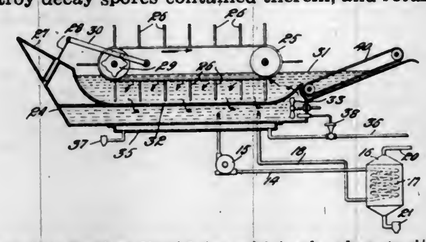
2,249,791
POWDER MEASURING MACHINE
Leslie E. Simon, Aberdeen Proving Ground, Md., and Pasquale V. di Cosmo, Dover, N. J.
Application October 19, 1939, Serial No. 300,215
3 Claims. (Cl. 221—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a measuring machine, a support, a rotor trunnioned in the support and having a measuring chamber, a cut-off block mounted on the support and having an aperture, resilient means urging said block into contact with the rotor, an adapter with a funnel-shaped passage fixed at its upper portion in the block and disposed in the aperture thereof with its lower portion spaced laterally from the block to provide an annular air space and spaced vertically from the rotor, said block having an air vent in communication with the air space, and a hopper for supplying a material to the adapter and retaining the adapter in the block.

2,249,792
METHOD AND APPARATUS FOR TREATING FRUIT
Bronson C. Skinner, Dunedin, Fla.
Application August 5, 1938, Serial No. 223,139
15 Claims. (Cl. 99—103)

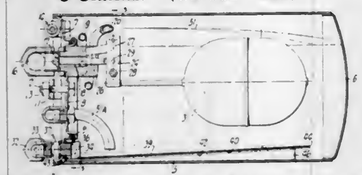
1. Method of sterilizing the liquid in a fruit treating tank while maintaining the contents of the tank below a sterilizing temperature, which comprises repeatedly withdrawing small amounts of liquid from said tank, heating the liquid so withdrawn to a temperature high enough to destroy decay spores contained therein, and returning the heated liquid to said tank wherein it is cooled by contact with the liquid in said tank.



2,249,793
PURIFICATION OF VALUABLE HYDROCARBONS
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application June 23, 1938, Serial No. 215,431
7 Claims. (Cl. 260—674)

1. A process for preparing a refined solution of a resin-forming unsaturated light oil hydrocarbon which is highly resistant to color formation when subjected to conditions for the polymerization of said unsaturated hydrocarbon which comprises subjecting light oil to fractional distillation to obtain a relatively close cut of said unsaturated hydrocarbon, treating said cut in the liquid phase with from 2% to 10% by volume of an alkaline reagent, said reagent being from 10% to 60% in alkali concentration, said treatment taking place at a temperature between —10° C. and 40° C. but sufficiently low to avoid adding any appreciable permanent color to said cut due to the strength of said alkaline reagent, and then removing residual alkali from said cut.

2,249,794
CARBONATOR
Charles Zook Sutton, Piedmont, Calif., assignor to Bestest Products, Inc., a corporation of California
Application June 19, 1939, Serial No. 279,934
5 Claims. (Cl. 261—121)

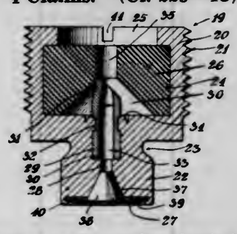


1. In a liquid carbonation device, a closed vessel, means for maintaining said vessel filled with liquid to substantially a predetermined level, including liquid spray means discharging liquid substantially horizontally through a gas space over said liquid and onto said liquid adjacent an end of said vessel to agitate the entire liquid body and a plate positioned in said vessel and submerged in said liquid at a slight angle to the horizontal, said plate terminating at its upper end beneath said water level and spaced from said end of said vessel to release gas into liquid above said plate between said plate end and said vessel end, and means for admitting CO_2 gas beneath said plate adjacent the lower end thereof.

2,249,795
AQUEOUS UREA-FORMALDEHYDE COATING COMPOSITIONS
Erich Theis, Mannheim, Germany
No Drawing. Application October 21, 1937, Serial No. 170,220. In Germany October 22, 1936
1 Claim. (Cl. 260—29)

Coating compositions containing water as the sole liquid vehicle and containing a condensation product as an oil-free, weather-proof binding agent therefor, said condensation product being obtained by the method consisting in condensing at elevated temperature in aqueous solution one molecular proportion of a urea with one and a half molecular proportions of neutralized formaldehyde until the condensation solution becomes strongly cloudy and adjusting the pH value of the solution to pH 7.

2,249,796
AERATING AND DISPENSING DEVICE
Charles Davis Thoms, New York, N. Y., assignor to Food Devices Incorporated, New York, N. Y., a corporation of Delaware
Application August 10, 1939, Serial No. 289,383
4 Claims. (Cl. 225—18)

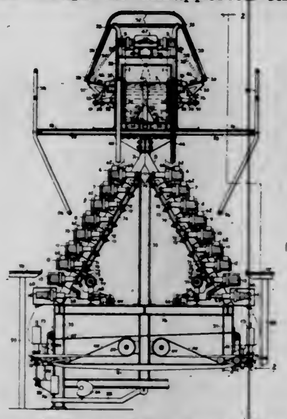


1. A charging valve unit adapted to be fitted in an inlet passage of an aerating and dispensing device, which unit has an outer end adapted to be brought into communication with a gas containing cartridge and an inner end adapted to be in communication with the interior of the device when the unit is mounted in position, comprising, as sleeve of rigid material, a hollow piercing pin fixedly attached to said sleeve with the piercing end of the pin accessible to a cartridge when the latter is brought into communication with the outer end of the unit, a compressible cartridge sealing gasket carried snugly within said sleeve and surrounding the piercing end of said pin, said gasket having an unoccupied recess in the base thereof around the shank of said pin to constitute an expansion chamber, and a back-pressure valve fixedly attached to said sleeve inwardly of said hollow pin in communication with the passage therethrough; said valve comprising a tapered seat in said sleeve, a tapered plug of resilient material adapted to cooperate with the seat, and a spring member fixed to said sleeve biasing said plug against the seat.

2,249,797
APPARATUS FOR THE MANUFACTURE OF THREAD OR THE LIKE
George P. Torrence, Shaker Heights, Richard F. Bergmann, Lakewood, and Walter F. Knebusch, Rocky River, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application September 4, 1937, Serial No. 162,514
3 Claims. (Cl. 18—8)

1. Apparatus for the manufacture of thread comprising an elongated trough having a working face along each of the two longitudinally ex-

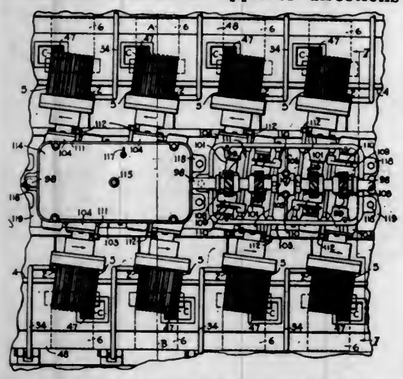
tending sides thereof; a plurality of thread-forming means supported in said trough from each working face thereof, whereby each of said thread-forming means is accessible from at least one of said working faces; a longitudinally extending member disposed centrally above and supported at spaced points along said trough in such manner as to leave the space between said trough and said longitudinally extending member substantially unobstructed; a plurality of thread-storage, thread-advancing devices of cantilever construction supported above said trough by and on each side of said longitudinally extending member, each of said thread-storage, thread-advancing devices being so mounted that although its supported end is located directly above said trough its unsupported end extends



toward one of the working faces of and beyond the lateral limits of the trough, whereby each of said devices is enabled to withdraw a thread from said thread-forming means and advance it in a large number of generally helical turns to a point beyond the lateral limits of the trough; and, disposed below said trough on each side of a vertical plane passing through the longitudinal center line of said trough, a plurality of parallel downwardly extending series of thread-storage, thread-advancing devices to which the threads pass from the thread-storage, thread-advancing devices above the trough on the corresponding side thereof, whereby one of the working faces of said trough and a plurality of parallel series of thread-storage, thread-advancing devices below said trough are accessible for operating purposes on each side of the apparatus.

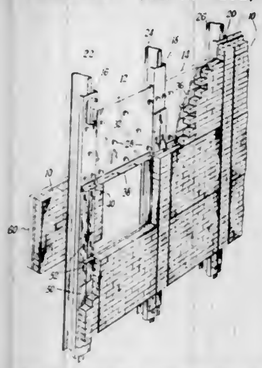
2,249,798
APPARATUS FOR MANUFACTURING THREADLIKE ARTICLES
George P. Torrence, Shaker Heights, Richard F. Bergmann, Lakewood, and Walter F. Knebusch, Rocky River, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application September 4, 1937, Serial No. 162,515
6 Claims. (Cl. 18—8)

1. Apparatus for handling thread comprising a pair of oppositely-extending thread-advancing reels the axes of which lie in parallel vertical planes; individual drive shafts for said thread-advancing reels, the axis of each of said drive shafts being disposed in substantial parallelism to the axis of its corresponding reel; a common drive shaft disposed between and extending transversely of said thread-advancing reels with the axes of said individual drive shafts crossing the axis of said common drive shaft at an acute angle; means directly connecting said common drive shaft to the individual drive shafts of said thread-advancing reels in such manner as to require said thread-advancing reels to rotate in opposite directions; and, mounted at a lower level than but extending in the same general direction as said first-mentioned thread-advancing reels, a pair of oppositely-extending thread-advancing reels likewise rotated in opposite directions in



such manner that each of said thread-advancing reels rotates in the same angular direction as the corresponding first-mentioned thread-advancing reel above it, the axes of which lower thread-advancing reels lie in substantially the same vertical plane, the relation of each pair of upper and lower thread-advancing reels being such as to permit the passage of a thread from each of said upper thread-advancing reels directly to its corresponding lower thread-advancing reel in a substantially vertical path.

2,249,799
FURNACE
James E. Trainer, Fairlawn, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application December 7, 1937, Serial No. 178,538
9 Claims. (Cl. 72—101)



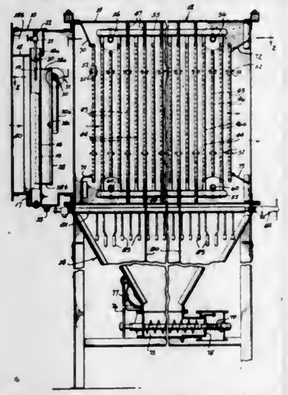
1. In a gas chamber boundary structure for heating equipment, external supports including metallic encasement panels, insulating firebrick which can be pierced without fracture, and bonding devices having their outer ends secured to the supports so as to be capable of sliding movement relative thereto, the opposite ends of the

bonding devices having impaling projections driven into the bricks while the devices are operatively secured to the panels.

2,249,800
HYDRAULIC FLUID
Arthur G. Weber, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 24, 1936, Serial No. 76,205
8 Claims. (Cl. 252—79)

1. A fluid for use in fluid pressure apparatus, including at least 10% of a substance from the group consisting of glyceryl mono- and diesters of vegetable and animal oil acids and glycol esters of said acids, together with a liquid aliphatic monohydric alcohol and a liquid aliphatic polyhydric alcohol.

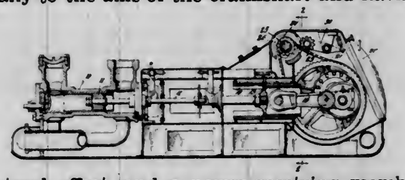
2,249,801
METHOD AND APPARATUS FOR ELECTRICAL PRECIPITATION
Harry J. White, Los Angeles, Calif., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application January 22, 1940, Serial No. 315,111
10 Claims. (Cl. 183—7)



2. The improvement in the method of removing substantially non-conducting suspended particles from a stream of gas by passing the gas stream through successive electric fields in the first of which the particles are charged by corona discharge and some are precipitated and in the second of which particles charged in the first field are precipitated in an electric field substantially free from corona discharge, which comprises continually flushing the surface of a non-discharging electrode in the first field to prevent accumulation of particles on the electrode, and collecting particles in the second field in a substantially dry condition.

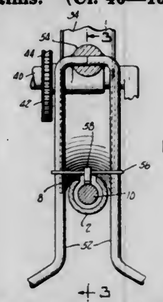
2,249,802
SLUSH PUMP
John Hart Wilson, Wichita Falls, Tex.
Application March 20, 1939, Serial No. 263,035
7 Claims. (Cl. 74—44)

1. In a power driven pump of the duplex double-acting heavy duty type, a crankshaft comprising two aligned axially extending end portions, opposed portions extending transversely to said end portions and arranged at an angle of substantially 90° to each other, and a central portion connecting the ends of said opposed portions, said central portion being disposed eccentrically to the axis of the crankshaft and having



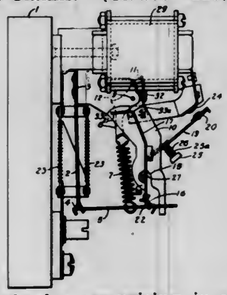
a lateral offset, and a power-receiving member eccentrically secured on said central portion at the point where said offset occurs.

2,249,803
ADVERTISING DEVICE
Carrol R. Wooten, New York, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application October 27, 1939, Serial No. 301,600
3 Claims. (Cl. 46—130)



1. In a device of the class described, a tubular member having an upwardly opening slot extending longitudinally, thereof, means for suspending said member by its ends, a cord extending through said tubular member adapted to slide lengthwise therethrough, a toy mounted to ride on said tubular member over said slot, means extending through the slot in the tubular member for connecting the toy with said cord to cause the toy to travel with the cord, and counterbalancing means depending from the toy for maintaining the toy in vertical position on the tubular member.

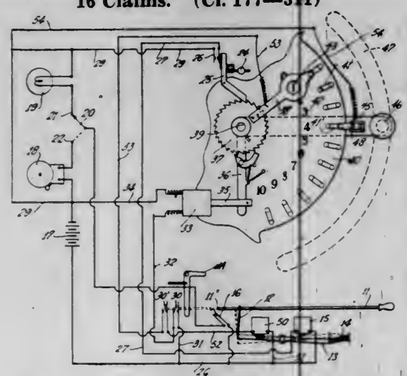
2,249,804
THERMAL OVERLOAD RELAY
George C. Armstrong, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1940, Serial No. 319,275
12 Claims. (Cl. 200—116)



1. A thermal relay comprising, in combination,

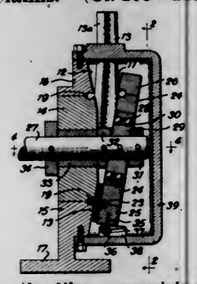
a thermal responsive actuating element, a toggle mechanism actuated thereby, a switch which is operated by said toggle mechanism, and a stop lever pivotally connected to and supported by one of the arms of said toggle mechanism for selectively adjusting the travel of said toggle mechanism by selectively changing the position of said lever, for selectively making the relay automatically or non-automatically resettable upon movement of said thermal responsive actuating element in a direction opposite to the direction for actuating the switch.

2,249,805
AMUSEMENT APPARATUS CONTROL
Archie H. Bechtol, Daytona Beach, Fla.
Application October 4, 1937, Serial No. 167,328
16 Claims. (Cl. 177—311)



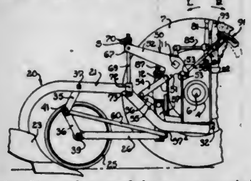
1. In combination, controlled apparatus having an operating instrumentality adapted to be operated by a patron, releasable means normally latching said instrumentality against effective movement and not accessible to the patron, and a remote control unit stationed at a distance from said apparatus, means operatively linking said apparatus and remote control unit, signal means in said unit, means in said controlled apparatus and adapted to be set into operation by the patron for actuating said signal means, means in said control unit adapted to be actuated by an attendant for releasing said latching means of the controlled apparatus, and mechanism selectively operable in said remote control unit by the attendant aforesaid for permitting a determined number of operations of said control instrumentality and thereafter automatically latching the latter against effective movement.

2,249.806
PUMP
Boris Bogoslowsky, New York, N. Y.
Application June 28, 1939, Serial No. 281,639
8 Claims. (Cl. 103—149)



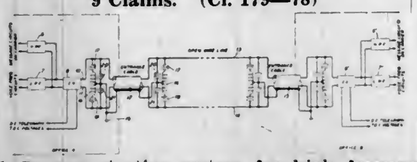
1. A pump or the like, comprising, in combination, a pair of opposed surfaces, each of said surfaces being mounted for gyratory movement relative to the other, each of said surfaces being a conical surface having an axis passing through its respective center of gyration, and a flexible tube having a portion thereof in the form of a loop disposed between said surfaces, said tube being provided with inlet and outlet openings.

2,249,807
CONTROLLING MECHANISM FOR AGRICULTURAL IMPLEMENTS
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 30, 1939, Serial No. 297,330
39 Claims. (Cl. 97—50)



1. An agricultural machine comprising a tractor having a power connection, tool means connected with the tractor, means for gauging the depth of operation thereof, means for lifting said tool means, and means deriving power from the tractor power connection for actuating said gauging means and said lifting means in succession.

2,249,808
DRAINAGE SYSTEM
Claude C. Cash, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 3, 1940, Serial No. 312,299
9 Claims. (Cl. 179—78)

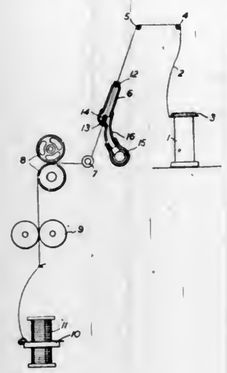


1. In a protective system for high frequency communication lines, a pair of coils having their windings connected in series, the windings of each coil being connected inductively in series aiding and the free ends of said coils being connected to the line conductors through open space protectors, and means for connecting the mid-point of said combined coils to ground.

2,249,809
PRODUCTION OF STAPLE FIBER YARNS OR LIKE PRODUCTS FROM CONTINUOUS FILAMENTS
William Alexander Dickie and William Ivan Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application March 23, 1940, Serial No. 325,554
In Great Britain April 22, 1939
26 Claims. (Cl. 19—1)

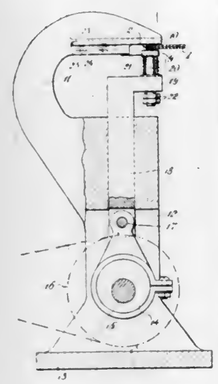
1. Process for the production of a continuous staple fiber product from a bundle of continuous filaments, said process comprising subjecting a bundle of continuous filaments to the action of a softening agent for the substance of the filaments, drawing said bundle, while said filaments

are still under the influence of said softening agent, over and in contact with a cutting surface, pressing the filaments against said cutting surface, and imparting to said cutting surface a



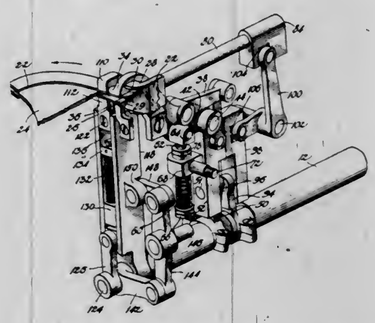
motion relative to said bundle, whereby the filaments are individually severed at frequent intervals so as to form a continuous staple fiber product.

2,249,810
MACHINE FOR APPLYING EDGING TO SHOE SOLES
Frederick G. Douglass, Laureiton, N. Y., assignor, by mesne assignments, to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 12, 1938, Serial No. 190,247
3 Claims. (Cl. 12—17)



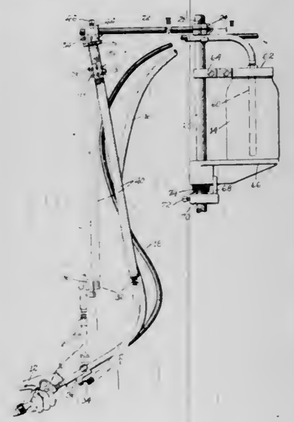
1. In an apparatus for securing edge binding to shoe soles, a stationary anvil positioned above the work, a hammer positioned to contact with the under side of the margin of the work beneath said anvil, mechanism for moving the hammer toward and away from the under side of the work in frequently repeated cycles, and a strip-reversing tape-folding guide positioned beside said hammer and anvil and arranged to deliver adhesive-coated tape in folded relation upon the marginal edge of a shoe sole just prior to the passage of the latter between the hammer and anvil.

2,249,811
MACHINE FOR APPLYING EDGE-BINDING STRIPS
Thomas J. Doyle, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 21, 1937, Serial No. 164,918
30 Claims. (Cl. 12—17)



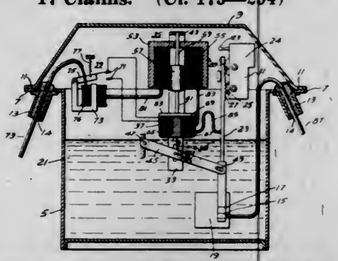
1. In a machine for applying an adhesively coated edge-binding strip, a grooved guide for the binding strip against which the edge of the work may press the strip to cause it to adhere to said edge, and means associated with the upper and lower faces of the work respectively for intermittently pressing the margins of the strip into contact with the margins of the work.

2,249,812
SPRING SUPPORT FOR HAND TOOLS
René E. Duplessis, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 31, 1938, Serial No. 237,962
7 Claims. (Cl. 248—276)



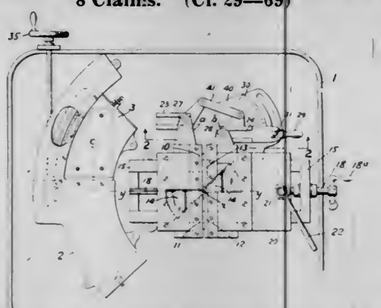
3. A support for a hand tool comprising a fixed member, a resilient suspension member having a clamp at its lower end for attaching a tool thereto, and other means arranged to engage a portion of said suspension member and co-operating therewith to urge said suspension member to return to normal position with respect to the fixed member.

2,249,813
CIRCUIT BREAKER
Lloyd W. Dyer, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1936, Serial No. 109,720
17 Claims. (Cl. 175—294)



2. An automatic reclosing circuit breaker comprising, a pair of contacts biased to closed position, an operating member movable to open said contacts, a first electrically energized means acting on said operating member to move the same to open said contacts, a second electrically energized means acting on said member in opposition to said first means for normally preventing movement of said member, and control means for rendering said second electrically energized means ineffective to prevent movement of said operating member by said first means, said first and second means being connected in circuit with said contact means.

2,249,814
CUT-OFF MACHINE
Abraham B. Eastwood, Abington, Pa., assignor to Wallace Abrasive Machinery Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 15, 1940, Serial No. 313,911
8 Claims. (Cl. 29—69)



1. A cut-off machine adapted to cut crosswise of the work and at an inclination thereto comprising the combination of a rotary disk cutter, means for variously positioning the cutter about one of its diameters as a vertical axis located at the point of intersection of two lines of which one lies crosswise of the work and the second lies at an angle to the first, work clamping elements arranged in pairs located on opposite sides of the work and each pair adjustable as a body toward and away from the work, the confronting ends of the elements of each pair being one beveled and the other square, the square ends of the elements lying crosswise of the work and the beveled ends of the elements lying at an inclination to the equare ends, provisions for shifting the respective pairs of elements bodily toward and away from the work according to its size and when the work is to be cut crosswise, and mechanism for additionally shifting the elements endwise to locate their beveled ends clear of the cutter in accordance with the inclination at which the work is to be cut.

2,249,815
APPARATUS FOR TESTING AND SAMPLING WELL FLUID
George Henry Ennis, Long Beach, Calif., assignor of one-half to Robert V. Funk, Long Beach, Calif.
Application March 9, 1938, Serial No. 194,864
13 Claims. (Cl. 166—1)



1. In a device adapted to be lowered into a well for obtaining information of a condition therein, the combination of: an observation element having indicating means at the top of the well for giving evidence of an observation made of fluid in a zone in the well; a wall forming a sample receiving chamber; means operative to admit a sample of fluid into said chamber from said zone; and means having operative connection between said sample receiving chamber and the top of the well for indicating the admission of fluid from said zone into said sample receiving chamber.

2,249,816
SEPARATION OF AMINES
Thomas E. Deger, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
Application November 8, 1938, Serial No. 239,496
11 Claims. (Cl. 202—42)

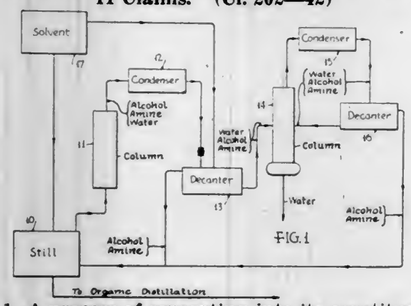
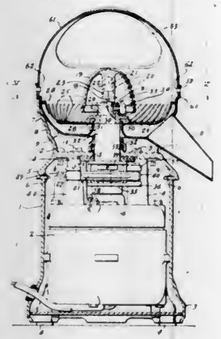


FIG. 1

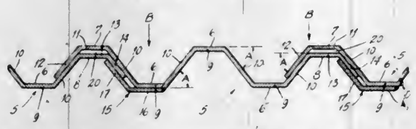
1. A process of separating into its constituents a mixture resulting from the amination of an aliphatic alcohol and containing an aliphatic amine having at least five carbon atoms, water, and unreacted alcohol, comprising passing overhead from said mixture an azeotropic mixture of the amine, water and alcohol, condensing the overhead fraction so obtained, decanting the resulting condensate to obtain a decanted fraction containing organic constituents of said overhead fraction from which a large part of the water of said overhead fraction has been removed, returning said decanted organic fraction to the distillation step of the process to assist in the removal of water in the continued practice of the process, continuing the distillation by the continued performance of the sequence of steps defined above until substantially all of the water has been removed from the organic constituents, and thereafter separating said organic constituents from each other by fractional distillation.

2,249,817
FRUIT JUICE EXTRACTOR
Herbert Fromm, Hamburg, Wis.
Application March 20, 1937, Serial No. 132,117
5 Claims. (Cl. 146—3)



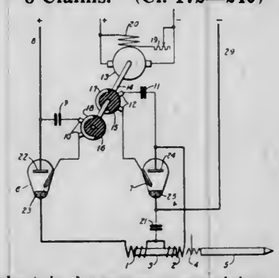
1. In a fruit juice extractor, a shaft rotatable about a vertical axis, a reamer disposed upon the upper end of said shaft, a strainer disposed below said reamer, means mounting said strainer for oscillatory movement about an axis concentric with the rotation of said shaft, an eccentric on said shaft, a spring urging said strainer in one direction relative to said shaft and a lever engaging said strainer and said eccentric for moving said strainer in the opposite direction upon each rotation of said shaft.

2,249,818
SHEET PILING
Lester R. Gifford, St. Louis, Mo., assignor of one-half to George B. Bell, Jr., Clayton, Mo.
Application October 22, 1938, Serial No. 236,405
2 Claims. (Cl. 61—60)



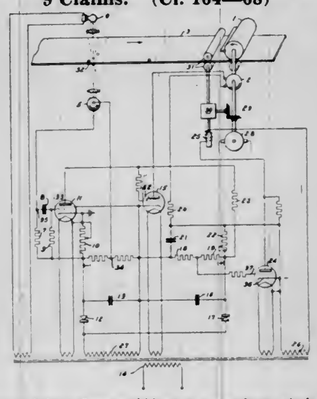
1. Sheet piling comprising a plurality of interlocking sheet piles, each pile including a plurality of corrugations, said corrugations comprising intermediate corrugations and end corrugations of truncated V-configuration, one end corrugation of each pile being of greater face width than the other end corrugation and being adapted to engage in the narrower faced corrugation of the adjacent pile, the contacting ends of contiguous piles being in wedge locked engagement.

2,249,819
INVERTER CIRCUIT FOR VIBRATORY HAMMERS
Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 23, 1938, Serial No. 247,445
8 Claims. (Cl. 172—240)



1. An electric hammer comprising, in combination, a direct current source, a pair of coils, an armature which is adapted to be attracted by either of said coils, a pair of electric discharge devices of the immersed starting electrode type which devices are inherently capable of conducting high currents, said discharge device having an igniter circuit, a condenser connected in series with one of said discharge devices and one of said coils, across said direct-current source, the other discharge device and coil being serially connected in a parallel circuit across said condenser, a pair of switches, each connected in the igniter circuit of said discharge devices, and means for periodically and successively closing said switches.

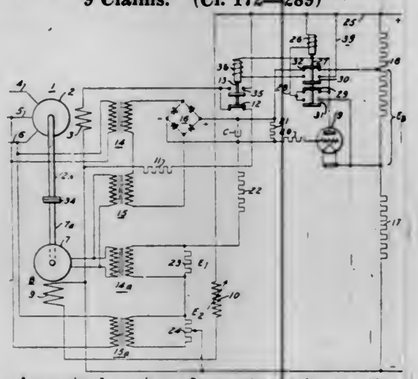
2,249,820
REGISTER CONTROL FOR PAPER CUTTING MACHINES
Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1939, Serial No. 280,683
9 Claims. (Cl. 164—68)



1. A machine for cutting a moving strip of material into a plurality of pieces of equal length

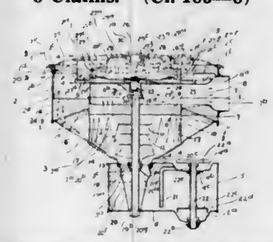
including, electrically controlled variable speed means for driving said strip material, a rotating cutter for cutting said strip, switching means coupled to said cutter and effective to partially complete a control circuit for said variable speed means, including a grid controlled thermionic tube having connected in the anode circuit thereof in series circuit relationship, said switching means and condenser, photoelectric means actuated by indicia on said strip for completing said control circuit thereby effecting operation of said variable speed means, and circuit means for maintaining said control circuit closed and said variable speed means actuated for a time which is proportional to the abnormality or displacement of said strip of material from synchronism with said cutter.

2,249,821
ANGULAR SWITCHING DEVICE FOR SYNCHRONOUS MOTORS
Finn H. Gulliksen, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 11, 1939, Serial No. 289,549
9 Claims. (Cl. 172—289)



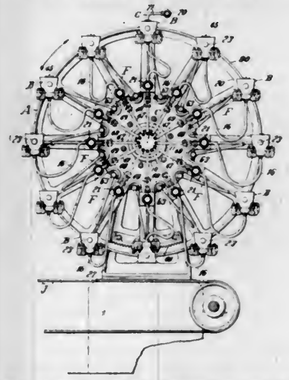
1. A control system for automatic starting of a synchronous motor comprising, in combination, a synchronous motor having an armature or stator winding and a field or rotor winding, alternating and direct current sources of supply for energizing said armature and field windings, respectively, an alternating current pilot generator means for producing an alternating current voltage having a frequency corresponding to the speed of said synchronous motor, a beat frequency circuit which has induced therein an alternating voltage of a frequency which is the beat frequency of that of said alternating current source and said alternating current pilot generator means, electronic control means responsive to a predetermined small value of said beat frequency to set up or partially complete a circuit between said direct current source and field coil, a second beat frequency circuit which also has induced therein the same beat frequency voltage as in said first beat frequency circuit and which is effective subsequent to the occurrence of said predetermined small value of beat frequency to complete the circuit between said direct current source and field winding at a time when the pole pieces upon which said field winding is wound have a predetermined position with respect to a given point on the wave of alternating current supplied to said armature so as to afford maximum pull-in torque at synchronization.

2,249,822
AIR CLEANER
Carl W. Hagar, San Diego, Calif., assignor to Aeromotive Components Corporation, San Diego, Calif., a corporation of California
Application June 28, 1938, Serial No. 216,260
3 Claims. (Cl. 183—8)



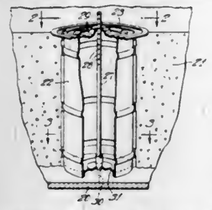
1. In an air cleaner of the class described, the combination of an annular outer casing provided with a downwardly and inwardly tapered bottom portion with a sump opening at the central lower side, an inner annular casing open at its lower side positioned therein in spaced relation with said outer casing, a contact mass positioned in the space between said outer and inner casings, downwardly and outwardly pointed tapered finger members positioned in annular rows between said inner and outer casings below said contact mass, said outer casing provided with an air inlet above said contact mass, a filter mass positioned over the sump opening in said outer casing and extending upwardly centrally of said casing and provided with a disk-like extended portion at its upper side forming a filter partition for said inner casing, an annular cleaning liquid trough positioned over said contact mass and below said air inlet in said outer casing, a sump casing communicating with the sump opening in said outer casing and extending below the same, a tube with its lower end positioned in said sump casing and extending upwardly centrally of said air cleaner, and a cleaning liquid pump connected with the upper end of said tube.

2,249,823
STARCH CAKE FORMING MACHINE
Carl Hagen, Park Ridge, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
Application September 24, 1938, Serial No. 231,497
13 Claims. (Cl. 18—26)



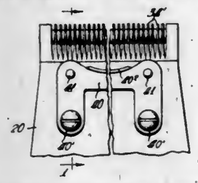
11. In a starch cake forming machine, the combination of: a wheel; a plurality of cake forming boxes pivotally suspended on the wheel each having a plurality of compartments and formed with water pervious bottoms and vacuum chambers under said bottoms; pinions on said boxes and a stationary rack for inverting the boxes; a hollow hub on the wheel providing a starch feed chamber; a stationary starch pipe extending into said hub; starch headers, one for each box, provided with discharge pipes leading to the compartments of the box, respectively; pipes connecting said feed chamber with said starch headers, respectively, provided with valves; stationary means for opening and closing said valves; a starch supply pipe arranged above the wheel and provided with discharge nozzles, one for each compartment of the boxes; a valve in said starch pipe; means on the wheel for opening and closing said valve; a main valve having stationary and rotating elements; vacuum and compressed air pipes connected with said stationary element; air headers, one for each box, flexible hoses connecting each air header with the vacuum chambers, respectively, of each box; and pipes connecting the air headers with the rotating element of the main valve.

2,249,824
PIPE SLEEVE HOLDER
Eric E. Hall, Chicago, Ill.
Substitute for abandoned application Serial No. 97,296, August 21, 1936. This application May 29, 1937, Serial No. 145,525
1 Claim. (Cl. 25—128)



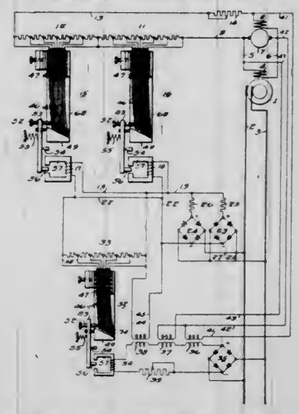
In a pipe-sleeve holder, a thin disc having a central aperture and pressed to form concentric annular offsets adapted to fit in the tops of different sized sleeves, said disc having apertures in the flat annular spaces between the vertical offsets for the purpose described.

2,249,825
HAIR CLIPPER
John A. Hanley, Stamford, Conn., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application March 7, 1935, Serial No. 9,714
27 Claims. (Cl. 30—43)



1. Hair clipping apparatus comprising a handle casing having a guide track longitudinally of its end, coacting shear plates mounted on said handle and including a plate element extending substantially the length and width and protruding above said track and protruding laterally beyond the front of said casing, said element having an edge with shear teeth, a complementary shear element, means for releasably securing one of said plates in fixed position with respect to said casing, means protruding from said casing for reciprocating the other of said plates, the fixed shear plate having an inturned edge straddling the shear edge of the movable plate and having shear teeth across said inturned edges conformed as slots with closed ends, and means to maintain said inturned edge from separation relative to the coacting shear element.

2,249,826
REGULATING APPARATUS
Clinton R. Hanna, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 12, 1939, Serial No. 250,535
7 Claims. (Cl. 171—229)

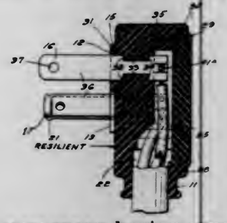


1. In a regulator system, in combination, a plurality of power amplifying devices each comprising a resistor, a plurality of circuit controlling members arranged in a stack with corresponding ends supported in fixed relation and connected to separate points along the resistor, said fixed ends being insulated from one another, the other ends of the circuit controlling members being free to move and arranged in a stack with successively overlapping ends, a movement limiting stop having a surface against which the free ends of the circuit controlling members are biased for positioning them in spaced relation, and electro-responsive means for actuating said circuit controlling members from engagement with the stop and into circuit closing engagement with the adjacent members to short circuit selected portions of the associated resistor, a source of energy for supplying said electro-responsive means, and means for adjusting the energization of the electro-responsive means of said power amplifying devices comprising a similar device the actuating means of which is sensitive to the quantity being regulated.

2,249,827
MULTIPLE POLE PLUG
William P. Herman, Pawtucket, R. I.
Application October 8, 1938, Serial No. 234,023
4 Claims. (Cl. 173—361)

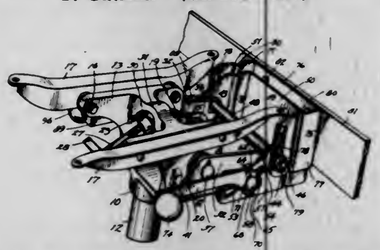
3. In a plug construction, a one-piece plug body of resilient material having a cable opening through one end thereof and three grooves for individual cord leads extending divergently from said cable opening, said grooves terminating in three spaced rectangular blade passageways

adapted to receive flat rectangular contact blades having restricted portions adjacent their head



ends, each passageway having opposed constrictions intermediate the passageway ends adapted to seat in the blade head end restricted portions.

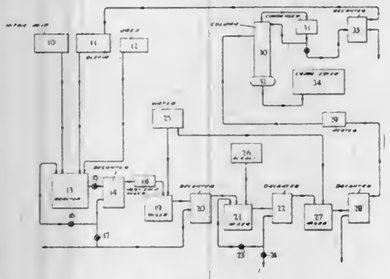
2,249,828
POSTURE CHAIR IRON
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application August 26, 1938, Serial No. 226,846
17 Claims. (Cl. 155—157)



14. In a posture chair iron, a chair seat support, a chair back supporting bracket member, joint means carried by said chair seat support yieldably supporting said bracket member for swinging movement about a transverse horizontal axis, an angle adjusting member pivotally mounted on said bracket member for angular adjustment movement about a transverse horizontal axis, locking means constructed and arranged to secure the adjusted position of said angle adjusting member, manually operable lever means for effecting the securing and releasing of said locking means extending forwardly at one side of said bracket member in a generally horizontal direction to a point in proximity to the axis of said joint means, a height adjusting chair back carrying member movably mounted on said angle adjusting member for adjustment movement in a generally vertical direction, locking means constructed and arranged to secure the adjusted position of said height adjusting member, and manually operable lever means for effecting the securing and releasing of said last mentioned locking means coaxial with the pivotal axis of said angle adjusting member and extending forwardly at the other side of said bracket member in a generally horizontal direction to a point in proximity to the axis of said joint means.

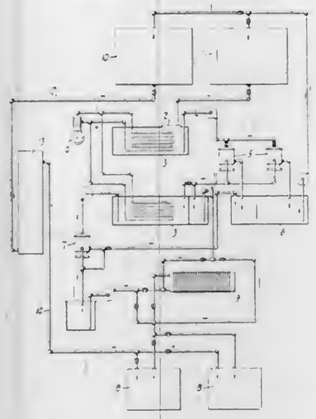
2,249,829
MANUFACTURE OF NITRIC ACID ESTERS
George E. Hinds, Philadelphia, Pa., assignor to Sharples Chemicals Inc., a corporation of Delaware
Application October 30, 1939, Serial No. 301,871
7 Claims. (Cl. 260—467)

1. The process of manufacturing a secondary alkyl nitrate which comprises heating a mixture of an olefin containing at least three carbon atoms chosen from the class consisting of straight chain olefins and branched chain olefins in which



the branch does not occur at a carbon atom connected to the double bond with nitric acid of between 20 and 100% concentration until the olefin reacts with the nitric acid to form the desired alkyl nitrate.

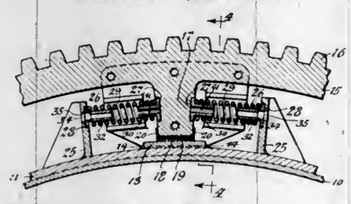
2,249,830
WINE PROCESS
Frank W. Hopper, Selma, Calif.
Application March 27, 1939, Serial No. 264,323
6 Claims. (Cl. 99—35)



5. The method of making wine that includes the step of controlling the temperature of must during fermentation thereof and accelerating said fermentation by ejecting lees of a lower temperature than must thereinto during a period of active fermentation of said lees.

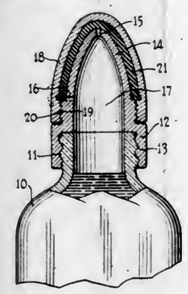
6. The method of making wine that includes the steps of fermenting fresh must in a tank, withdrawing the fermented must from said tank and separating the pomace therefrom, then cooling the must from which the pomace has been removed to about 60° F. to 65° F. and immediately thereafter separating the lees from the cooled must by centrifugal force, returning the cool, separated, lees to said tank for mixing with fresh must therein, mixing air with the cool juice from which the lees have been separated for oxygenating the cool juice and thereafter collecting said juice in a tank for further treatment.

2,249,831
RING GEAR MOUNTING FOR ROTARY DRIERS, KILNS, AND SIMILAR EQUIPMENT
Harlan W. How, Titusville, Pa., assignor to Struthers Wells-Titusville Corporation, Titusville, Pa., a corporation of Maryland
Application April 1, 1939, Serial No. 265,483
2 Claims. (Cl. 64—27)



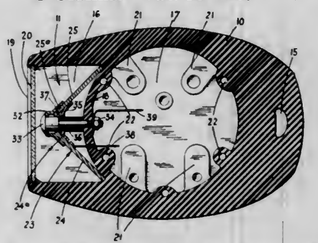
1. The combination of a cylindrical drum, a driving ring surrounding said drum, and yielding means for transmitting motion from said ring to said drum and guiding the same circumferentially one relative to the other including a wearing plate mounted on the periphery of said drum, a driving lug arranged between said ring and drum and moving with said ring and slidingly engaging said wear plate, driven lugs mounted on said drum on circumferentially opposite sides of said driving lug, springs interposed between opposite sides of said driving lug and the opposing sides of said driven lugs, and guiding and retaining plates turning with said ring and slidingly engaging opposite edges of said wear plate and provided on the inner sides with pockets which receive opposite sides of said springs.

2,249,832
DISPENSING DEVICE
Jacob Hubschman, Brooklyn, N. Y.
Application May 7, 1937, Serial No. 141,233
8 Claims. (Cl. 221—148)



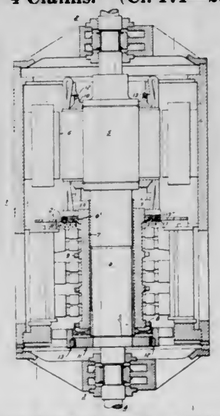
1. In a drop bottle of the character described the combination with a neck provided with an externally threaded portion, of a closure member having an internally threaded portion screwed to said externally threaded portion, a drop dispensing aperture in said closure member, a vent aperture in said closure member, said vent and said dispensing apertures being disposed relatively remote from each other and at different levels along the longitudinal axis of the closure member, said closure member being provided with an externally threaded portion, and a single cap having an internally threaded portion screwed to said last named externally threaded portion so as to cover said vent and dispensing apertures, the axis of said drop dispensing aperture being parallel to the longitudinal axis of said bottle.

2,249,833
OPTICAL SYSTEM FOR EXPOSURE METERS
Maxwell James, New Rochelle, N. Y., assignor to De Jur-Amsco Corporation, Fairfield, Conn., a corporation of New York
Application February 26, 1940, Serial No. 320,782
9 Claims. (Cl. 88—23)



1. In a photo-electric cell exposure meter, a casing having contiguous chambers, one for the photo-electric cell and the other for the electrical measuring instrument, the first chamber having a front opening for admitting light rays, a photo-electric cell in said first chamber spaced from said opening, said photo-electric cell comprising a pair of cell elements arranged with their light sensitive surfaces converging from the rear of the chamber towards the front opening, the converging ends terminating a relatively short distance from said opening, said arrangement restricting the light rays that strike the photo-electric cell to an angle corresponding to the exposure angle of a camera, the space subtended by the convergingly arranged cell elements forming part of said electrical measuring instrument chamber.

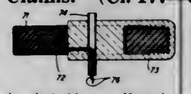
2,249,834
BALANCE-RING COMBINATION
Edward J. Kreh, Jr., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 12, 1940, Serial No. 345,087
4 Claims. (Cl. 171—252)



1. In a machine having a rotating part, the combination with a cylindrical-surfaced, highly stressed member of the rotating part, of a balance-ring attachment encircling said highly stressed member and comprising a ring-proper having one or more holes therein with a balance-weight in one or more of said holes, and a flexible cantilever-part joining said ring-proper to said

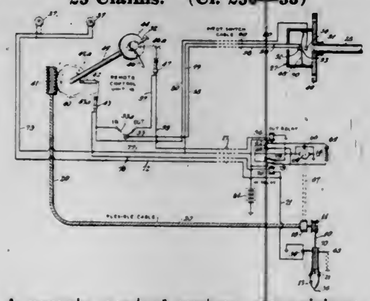
highly stressed member, said cantilever-part having an annular member encircling the cylindrical surface of said highly stressed member.

2,249,835
MAGNETOSTRICTIVE VIBRATOR
Emory Lakatos, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 11, 1937, Serial No. 173,969
13 Claims. (Cl. 177—386)



1. A magnetostrictive vibrator comprising an electrical coil, a vibrating member of magnetostrictive material electromagnetically coupled with said coil, said vibrating member forming a closed path of low reluctance for the magnetic flux threading said coil, and means for nodally supporting said vibrating member to permit efficient mechanical vibration in a particular mode.

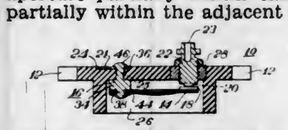
2,249,836
REMOTE CONTROL MECHANISM
William P. Lear, Dayton, Ohio, assignor to Lear Avia, Inc., Dayton, Ohio, a corporation of Illinois
Original application September 27, 1939, Serial No. 296,725. Divided and this application March 22, 1940, Serial No. 325,315
25 Claims. (Cl. 250—33)



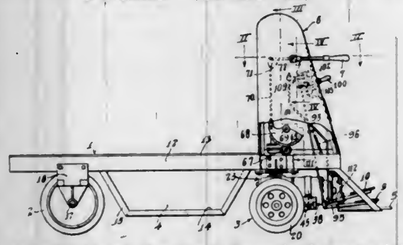
1. A remote control system comprising: a device operable between extended and retracted positions; reversible motive means coupled to said device; and mechanism for variably controlling the degree of extension of said device comprising an angularly movable member, a mechanical cable remotely coupling said member with said device for rotating said member through an arc in accordance with the motivation of said device, a manually settable element operatively engaged with said member for normally rotating therewith, said element being variably angularly displaceable with respect to said member to predetermine degrees of extension of said device and arranged to stop said motive means when said device is extended to the degree determined by the relative angular displacement between said element and said member.

2,249,837
THERMOSTAT
Paul R. Lee, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 27, 1938, Serial No. 227,076
8 Claims. (Cl. 200—138)

1. A thermostat comprising, in combination, a supporting structure, a bimetallic member having two slots therein defining a central strip, two exterior lateral strips and two end portions, there being an aperture partially within said central strip and partially within the adjacent end portion, and means inserted through said aperture and having a larger diameter than the aperture for directly cooperating with the central strip as distinguished from said exterior strips for rigidly attaching the member to the supporting structure.

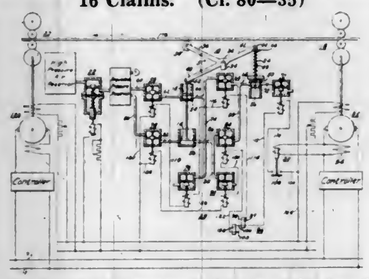


2,249,838
ELECTRICAL VEHICLE
Ethan C. Le Munyon, Los Angeles, Calif.
Application December 13, 1938, Serial No. 245,404
3 Claims. (Cl. 180—54)



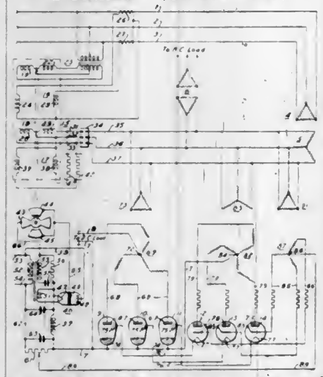
1. A vehicle of the type described comprising a substantially flat load-supporting deck, a pair of laterally spaced apart supporting wheels in supporting relation to said deck below one end thereof and positioned entirely below the plane of said deck, steering and driving wheel means centrally positioned below said deck adjacent the opposite end thereof, a control column rising from said deck above said steering and driving wheel means and being substantially narrower than said deck and positioned closely adjacent the forward end thereof, and means on said column for controlling said steering and driving means, said deck being unobstructed laterally and rearwardly of said control column, whereby loads supported on the side portions of the deck can project therebeyond at both the front and rear ends.

2,249,839
TENSIOMETER CONTROL SYSTEM
Gerhard P. Lessmann, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 8, 1938, Serial No. 228,941
16 Claims. (Cl. 80—35)



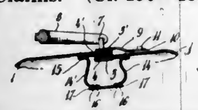
1. In a control system for a strip tensioning device having an idling roller disposed to bear against the strip when actuated to deflect it from its normal pass line as it passes between two work devices to thus subject the strip to tension, means for biasing the roller for movement away from strip tensioning position, counteracting means for rendering said biasing means inoperative to act upon the roller, means for actuating the roller to strip tensioning position and control means for selectively rendering said counteracting means effective or ineffective.

2,249,840
PLANT LOAD REGULATING SYSTEM
Cyril C. Levy, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 2, 1940, Serial No. 321,893
4 Claims. (Cl. 171—119)



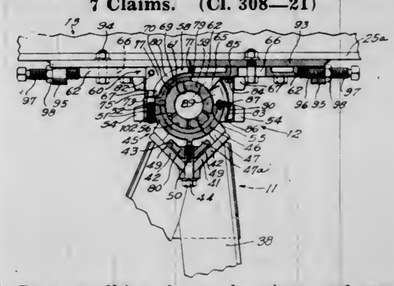
1. In a load regulating system, in combination, an alternating current circuit, power consuming devices supplied from said circuit, electronic rectifier means for supplying unidirectional energy from said circuit to certain of said devices, and means for controlling the power output of said electronic rectifier including a grid control circuit, an adjustable capacitor in said grid control circuit, means for varying said capacitor comprising a pair of differentially related power measuring elements, one of which is responsive to the power flow through said alternating current circuit and the other of which is responsive to the power desired in said alternating current circuit.

2,249,841
TRAVELING OR OTHER TYPE OF BAG
Theodore Loos and Julius Loos, Jr., Tompkinsville, Staten Island, N. Y.
Application March 25, 1939, Serial No. 264,076
3 Claims. (Cl. 190—48)



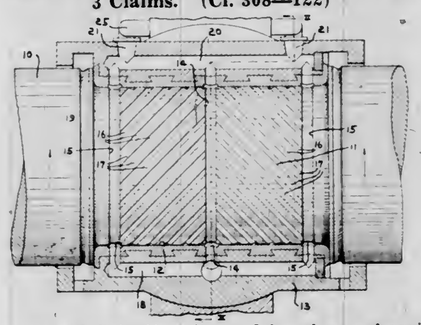
1. A bag comprising in combination side walls having free edges forming an opening for the bag, a comparatively rigid frame affixed to the free edge of each side wall, one frame being adapted to telescope within the other whereby the opening in the bag may be completely closed, a gusset affixed to the inner side of each side wall adjacent the frame, the free edge of one gusset extending toward the free edge of the other gusset across the opening and each gusset carrying the prongs of a hookless fastener, and a slide lock for said hookless fastener whereby the prongs of the hookless fastener may be made to interlock and the gussets joined across the opening of the bag.

2,249,842
PUMPING APPARATUS FOR OIL WELLS
Warren M. Mansfield, Glendale, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application January 23, 1939, Serial No. 252,430
7 Claims. (Cl. 308—21)



1. In a walking beam bearing and support therefor, the combination of: a support comprising an angle with means for holding the same in a position with the legs thereof diverging upwardly so as to form an upwardly faced channel; a bearing bowl having angularly disposed walls on the lower portion thereof to fit into the upwardly faced channel formed by said legs of said angle, there being bolt means to secure said bearing bowl to said angle, said bearing bowl having an upwardly faced semicylindrical wall forming a semicylindrical bearing socket closed by end walls; a bearing body comprising a hollow cylinder, the lower portion of which fits into said bearing socket; hold-down members supported by the end portions of said bearing bowl in position to extend over the ends of said cylinder; and a saddle member connected to the upper portion of said cylinder between said hold-down members, there being means for connecting said saddle member to said walking beam.

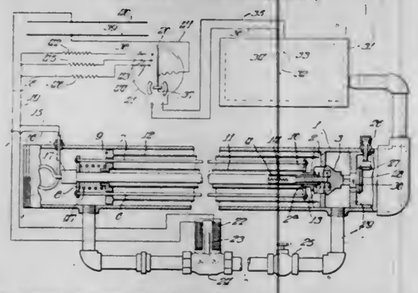
2,249,843
LUBRICATION APPARATUS
Roland Marsland, deceased, late of Moylan, Pa., by Maud Lois Marsland, executrix, Moylan, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 23, 1940, Serial No. 331,204
3 Claims. (Cl. 308—122)



1. In a lubricating journal bearing, a bearing

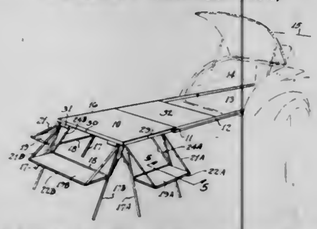
housing having a bearing portion and a shaft having a journal portion fitting the bearing portion, one or both of said portions having annular channels formed intermediate of the length of and at the outer ends of said portions, one of said portions having oppositely-inclined helical grooves formed therein and connecting the intermediate channel to the outer channels, said bearing housing having passages distributed thereabout and affording communication between the outer channels and the intermediate channel, and said bearing housing having lubricant inlet and outlet passages communicating with said channels.

2,249,844
CONTROL SYSTEM
Charles A. Martin, Chicago, Ill.
Application April 1, 1937, Serial No. 134,448
8 Claims. (Cl. 236—68)



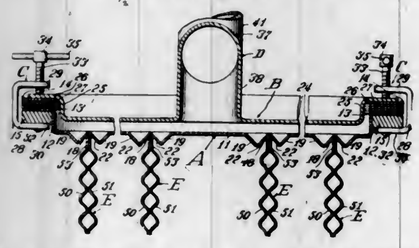
5. Apparatus of the character described for controlling the fuel input to a furnace comprising control means responsive to changes in temperature of said furnace, two parallel fuel supply varying devices for varying the fuel input to said furnace, one of said devices being operable to vary the rate of fuel input a predetermined amount when actuated, the other of said devices being operable to vary the rate of fuel input an amount dependent upon the length of time it is actuated, said devices being operatively connected to said control means and actuated by the same response of said control means upon a predetermined change in the temperature to which it responds.

2,249,845
FOLDING TABLE
Earl H. Mitchell, Portland, Oreg.
Application May 1, 1939, Serial No. 271,085
2 Claims. (Cl. 155—124)



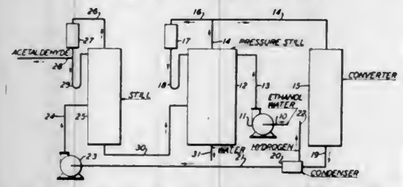
1. A folding table having in combination a pair of parallel bars slidably attached to an automobile, a table top having one pair of adjacent corners hinged to said bars, pairs of legs hinged to the sides of said table top, the legs of each pair being rigid with relation to each other, each of said pairs of legs having hingedly attached thereto a seat adapted to be swung outwardly when the legs are extended and means for bracing said seat and legs in an extended position.

2,249,846
DISTRIBUTOR FOR HEAT EXCHANGERS
Timothy Mojonnier, Oak Park, Ill., assignor to Mojonnier Bros. Co., a corporation of Illinois
Application December 28, 1939. Serial No. 311,235
5 Claims. (Cl. 299—58)



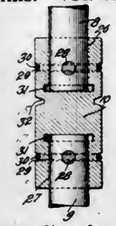
5. A pressure distributor for heat exchangers of the trickle type comprising a shallow liquid-distributing pan having rows of liquid-distributing openings in its bottom, which rows are positioned therein to register with the heat exchange element or elements of the exchanger with which the distributor is to be used, a removable cover, a spacing and sealing member between coacting portions of said pan and cover, means for pressing said pan and cover against said spacing and sealing member to provide the covered pan with pressure-tight joints whereby the resulting enclosure will be capable of holding liquid under pressure, a liquid-supply manifold above and adjacent to said cover, and parallel manifold ducts for conducting liquid under pressure from said manifold to said enclosure, said ducts communicating at their upper ends with the interior of said manifold and at their lower ends with the under side of said cover, said spacing and sealing member being composed of layers of cushioning material whereby the depth of said enclosure may be varied by varying the thickness of said member.

2,249,847
RECOVERY METHOD FOR CYCLIC VAPOR PHASE REACTION PRODUCTS
Irvin L. Murray, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application May 27, 1938, Serial No. 210,350
6 Claims. (Cl. 260—550)



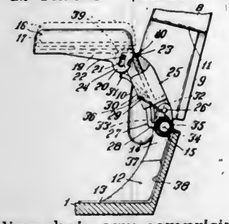
1. In a cyclic vapor phase reaction process wherein the unreacted material is separated from products of reaction by means of rectification, the step of avoiding separate vaporization of the material supplied to the vapor phase reaction, which comprises adding fresh material in place of at least part of externally condensed reflux to a rectifying column in which unreacted material is being separated from less volatile liquids, recovering the unreacted material in vapor form from the rectifying column, and passing the material into the vapor phase reaction without condensation.

2,249,848
FRANGIBLE HYDRANT
Denis F. O'Brien, East Orange, N. J.
Application June 22, 1939, Serial No. 280,478
2 Claims. (Cl. 287—108)



1. A frangible coupling for hydrant valve stems comprising a member having oppositely facing sockets for engaging a pair of alined valve stem sections and a circumferential groove around said member extending radially inward thereof to substantial axial alinement with the bore of one of said sockets and spaced axially therefrom to define a frangible portion of thickness such as to carry service stresses and fracture under impact sufficient to damage a hydrant.

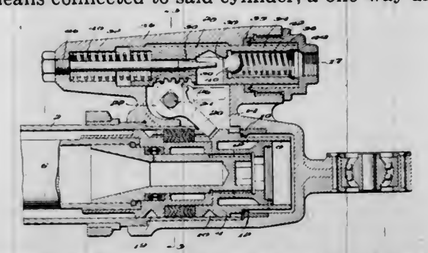
2,249,849
FOLDABLE ARM FOR CHAIRS
Thomas D. Owler, Chicago, Ill., assignor to Coach & Car Equipment Company, Chicago, Ill., a corporation of Illinois
Application May 1, 1940, Serial No. 332,709
12 Claims. (Cl. 155—112)



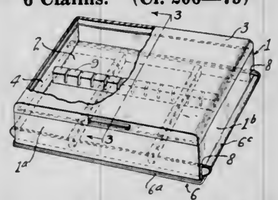
1. A folding chair-arm comprising an upwardly projecting bracket fixedly mounted on a fixed support, a link pivotally connected at its lower end with the upper end portion of the bracket so that the link may swing rearwardly, there being supporting surfaces on the link and bracket respectively which engage to support the link in its active upwardly and forwardly projecting position, a latch to hold the link in this active position, an arm rest pivotally connected at its rear end with the upper portion of the link, releasable means for normally holding the rest in its active position projecting laterally from the upper end of the link, the rest when released swinging downwardly substantially parallel to the link and releasing the latch and a spring functioning when the latch is released to swing the folded rest and link back to an ineffective position.

2,249,850
FLUID PRESSURE CYLINDER LOCKING MECHANISM
John A. Palmer, Baltimore, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application June 18, 1940, Serial No. 341,105
7 Claims. (Cl. 121—40)

1. In combination with a fluid pressure cylinder having a piston movable therein, means to lock the piston against movement, fluid supply means connected to said cylinder, a one-way discharge valve normally closing said fluid supply means, and means operated by pressure fluid for releasing said locking means and thereafter opening said valve.



2,249,851
DISPLAY CABINET FOR SILVERWARE, ETC.
Thomas J. Pilliod and Ferdinand C. H. Müller, Swanton, Ohio, assignors to The Pilliod Cabinet Company, Swanton, Ohio, a corporation of Ohio
Application July 28, 1938, Serial No. 221,774
6 Claims. (Cl. 206—75)

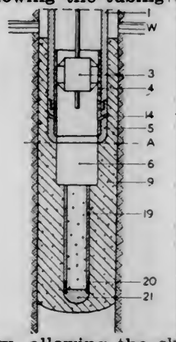


1. An article of the class described comprising a body section and a bottom section, the body section forming a top display compartment and having its sides and ends projecting below the bottom of said compartment to form the body section with a bottom recess, opposing sides of said body section having their lower edges notched, said bottom section including a bottom member on which the sides of the body section seat and having side members projecting upwardly within said bottom recess with their ends projecting outwardly through respective of said notches, and hand bars connecting said projected ends without the respective sides of the body section, said bottom section cooperating with the body section, when assembled therewith, to form a bottom compartment and, when removed therefrom, adapted to be used as a display tray or as a serving tray.

2,249,852
PROCESS FOR CEMENTING OIL WELLS
Paul S. Pustmueller, Bakersfield, Calif., assignor, by mesne assignments, to Security Engineering Co., Inc., Whittier, Calif., a corporation of California
Application April 11, 1938, Serial No. 201,346
8 Claims. (Cl. 166—1)

1. In a process for cementing a casing string at an intermediate level of a borehole filled with a drilling fluid, the steps of attaching to said casing a drillable shoe supporting a drillable tubing section of a smaller diameter than said casing, lowering said shoe to the desired level within the borehole, lowering a cement slurry into said casing and tubing, applying downward pressure thereto within the casing, forcing said slurry

out of the tubing, causing said slurry to fill the annular space between said tubing and casing and the walls of the borehole to a point above the casing shoe, discontinuing the pressure when substantially all the slurry has been driven out of the casing, allowing the tubing to remain filled



with the slurry, allowing the slurry within the borehole to set, lowering a drill bit within the casing, drilling out the casing shoe, and the upper portion of the tubing, and testing the space thus drilled out for the leakage of fluids through the cement plugs formed above the casing shoe.

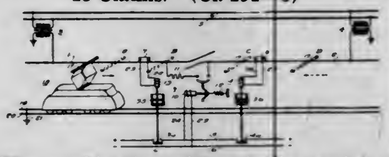
2,249,853

TROLLEY SYSTEM CONTROL

Karl C. Randall, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 21, 1940, Serial No. 320,067

15 Claims. (Cl. 191—6)



2. The combination with a trolley system including a plurality of trolley sections, and means for energizing adjacent trolley sections simultaneously for normally independent operation, of tie breaker means for connecting adjacent trolley sections for operation in parallel while a current collector is changing over from one to the other of said adjacent trolleys, and control means for said tie breaker operable in accordance with the movement of said current collector.

2,249,854

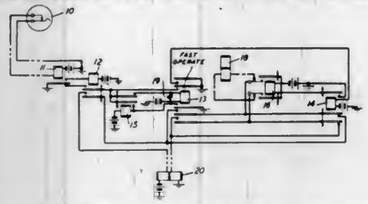
SIGNALING SYSTEM

Theodore C. Rehm, Haledon, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 28, 1939, Serial No. 301,760

6 Claims. (Cl. 179—16)

1. In combination, a first circuit including an impulse sender and an impulse receiving relay, a second circuit, and means for repeating in said second circuit a train of impulses received by said relay, said means comprising a single, slow-to-release relay for measuring and fixing the duration of the impulses transmitted in said second circuit when and if the impulse rate is lower than a critical rate, and comprising only two relays, one a fast-operating relay and the other a slow-operating relay, for measuring and fixing the interval between succeeding impulses transmitted in said second circuit when and if the impulse rate is equal to or in excess of said critical rate.



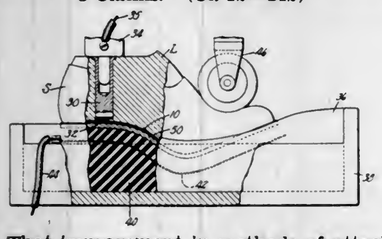
2,249,855

ACTIVATION OF SOLE ATTACHING CEMENT

Walter S. Rogers, Falmouth, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application December 22, 1939, Serial No. 310,601

3 Claims. (Cl. 12—142)



1. That improvement in methods of attaching soles to shoes which comprises activating thermoplastic cement positioned between the outsole and shoe bottom by a high frequency electrostatic field produced between a condenser plate forming a permanent part of the insole of the shoe and a plate located externally of the shoe.

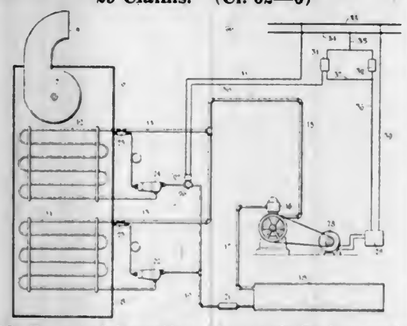
2,249,856

AIR CONDITIONING

Alonzo W. Ruff, York, Pa., assignor, by mesne assignments, to Auditorium Conditioning Corporation, New York, N. Y., a corporation of New Jersey

Application December 19, 1933, Serial No. 703,136

29 Claims. (Cl. 62—6)



12. In a refrigerative air-conditioning system, the combination of refrigerative evaporating means; means for circulating air to be treated, over said evaporating means; a compressor fed by said evaporating means; means for driving said compressor at a substantially constant rate; condensing means for condensing vapor discharged by said compressor; and thermostatic means responsive to the dry bulb temperature of the treated air and effective upon a reduction of temperature thereof to reduce the temperature of at least a portion of the evaporating means and also the total refrigerative effect.

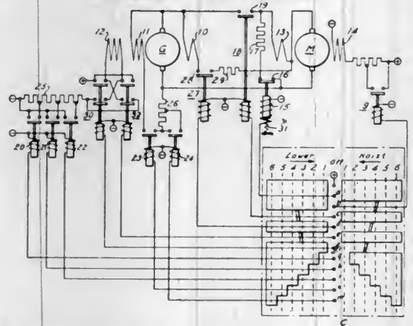
2,249,857

CONTROL SYSTEM

Walter Schaelchlin, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 27, 1940, Serial No. 358,632

9 Claims. (Cl. 172—179)



9. A variable voltage control system for a hoist motor comprising, in combination, a generator and motor each having a series field winding and a separately excited shunt field winding, said generator also having a self excited shunt field winding, an external source of energization for said separately excited windings, reversing switch means for operating said motor as an ordinary compound motor in the hoisting direction and as a cumulative or differential compound motor in the lowering direction depending upon whether said motor is motoring or overhauling, respectively, so as to obtain a drooping "speed-torque" characteristic for the lowering, overhauling operation.

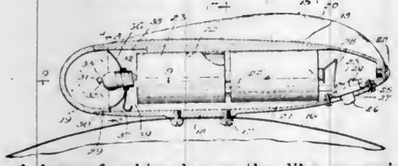
2,249,858

VEHICLE LAMP

Frank W. Schwinn, Chicago, Ill.

Application May 6, 1939, Serial No. 272,112

2 Claims. (Cl. 240—7.55)



1. A lamp for bicycles or the like comprising an elongated tubular casing adapted to contain a dry cell and having an open end with a cylindrical bore extending rearwardly therefrom, a lens closing the opening and protruding convexly therefrom, and bezel-less means for mounting the lens in the casing comprising an integral cylindrical flange extending rearwardly from the lens in telescoping relation with the bore of the casing, the flange being of reduced diameter leaving a rearwardly facing shoulder which engages the forward end of the casing to present a single exposed circular line of juncture between the lens and casing, locking means radially insertable from without the casing for engaging the flange interiorly of the casing to hold the lens against forward movement, the locking means comprising a hole extending through the wall of the casing adjacent its front end, an opening in the flange of the lens, and a lens locking member extending through the hole and into the opening, the casing having a longitudinal rib extending inwardly into its interior and the flange of the lens having a slot for receiving the rib as the lens flange is slid into the casing whereby to position the lens in predetermined angular relation to the casing to bring the two holes in register, a reflector extending across the interior of the casing and peripherally abutting the end of the lens flange, and spring means urging the reflector forwardly against the end of the flange, the reflector having a peripheral slot for receiving the rib whereby to predetermine the angular position of the reflector in relation to the casing.

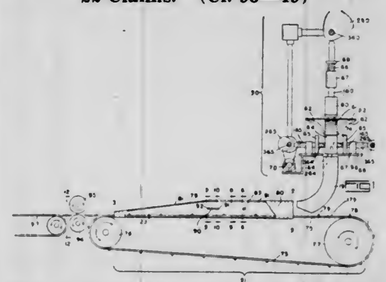
2,249,859

APPARATUS FOR AND METHOD OF MAKING COLLAPSIBLE CONTAINERS

George J. Shearer, Erlanger, Ky., assignor to Shearer Paper Box Co. Inc., Cincinnati, Ohio, a corporation of Ohio

Application September 18, 1940, Serial No. 357,267

22 Claims. (Cl. 93—49)



1. In a device of the class described, the combination which comprises means for fabricating extended containers of the type which include a rectangular body portion open at one end and having an outwardly convergent V-shaped bottom interconnecting the bottom edges of the side walls from prefabricated blanks of sheet material, means for pleating the bottom and end walls of the extended containers, means for collapsing the pleated containers for delivery to the ultimate user, and means for transferring the containers from the first means to and then through the other means.

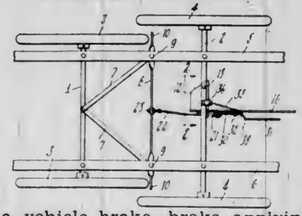
2,249,860

VEHICLE BRAKE

Henry W. Sheldrick, Gardner, Mass., assignor to Collier-Keyworth Company, Gardner, Mass., a corporation of Massachusetts

Application March 14, 1941, Serial No. 383,382

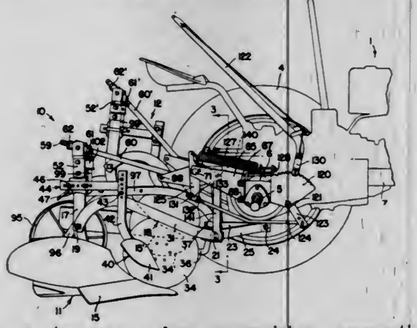
8 Claims. (Cl. 188—20)



1. In a vehicle brake, brake applying means

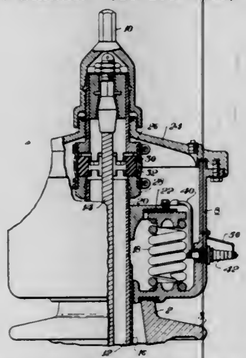
comprising a lever and operative connections including a toggle from said lever causing motion of said lever in one direction to a predetermined angular position to make said toggle and apply the brake and in the opposite direction from said position to break said toggle and release said brake, latch means for holding said lever in said brake applying position, and means for releasing said brake comprising a release lever carried by said brake applying lever and connections from said release lever to said latch.

2,249,861
TWO WAY PLOW
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application August 4, 1940, Serial No. 351,369
29 Claims. (Cl. 97—29)



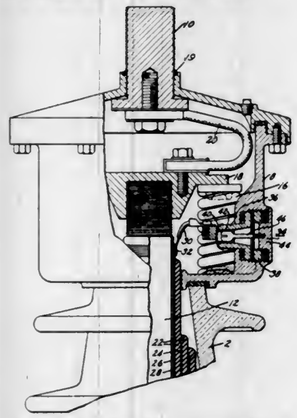
1. A two-way plow comprising supporting means, right and left hand plowing units, a pair of generally vertically spaced and generally longitudinally extending links connecting each unit with said supporting means for movement relative thereto, means for shifting one link of each pair of links generally longitudinaly to regulate the depth of plowing of the associated unit, and means engageable with one link of each unit for raising either or both units out of ground engaging position.

2,249,862
HIGH TENSION BUSHING
Alexander A. Skvortzoff and Fred J. Vogel, Sharon, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 27, 1938, Serial No. 237,284
7 Claims. (Cl. 175—183)



1 In an insulating bushing, a shell of insulating material having a hollow conducting member extending therethrough, a cap having a terminal thereon, means cooperating with said hollow conducting member for clamping said cap in position to close an end of said shell including means for insulating said hollow conducting member from said cap, a conducting lead extending through said hollow conducting member for connection to said terminal and means for insulating said lead from said member, a second terminal mounted on said cap and insulated therefrom for connection to a test circuit, an electrical connection from said second terminal to said hollow conducting member within said cap, and releasable means for electrically connecting said second terminal and said conducting lead to maintain said lead and hollow conducting member at substantially the same electrical potential during normal operation of the bushing.

2,249,863
CONDENSER AND BUSHING CAP
Alexander A. Skvortzoff, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1938, Serial No. 237,483
6 Claims. (Cl. 175—183)

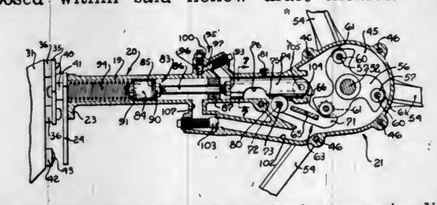


1. In an insulating bushing, including a stud of conducting material, a terminal electrically connected thereto for connection to an electric circuit, an insulating wrapping on said stud including a layer of conducting material insulated from said stud, and a test terminal insulated from said first mentioned terminal and means electrically connecting it to said layer of conducting material whereby a test potential may be applied to said layer to test the quality of the insulation afforded by said wrapping independently of said stud, and releasable means for bringing said stud and conducting layer to the same electrical potential for normal operation of the bushing.

2,249,864
DAM FORMING DEVICE
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application July 28, 1938, Serial No. 221,753
33 Claims. (Cl. 97—55)

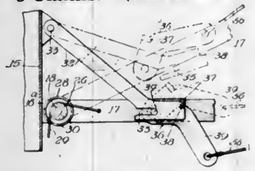
1. A damming device comprising, in combination, a hollow draft member, a shaft journaled in said draft member and extending laterally therefrom, a scraper blade fixed on the extended

portion of said shaft, a cam fixed on said shaft, detent means adapted to engage said cam and prevent said shaft from rotating, means disposed within said hollow draft member and



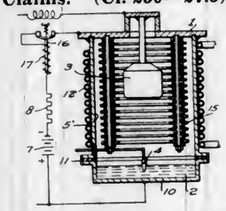
operatively engaging said detent means to disengage the latter from said cam and permit said shaft to rotate, and means for intermittently actuating said detent means.

2,249,865
AWNING
Christian E. Skyum, Chicago, Ill.
Application August 18, 1938, Serial No. 225,515
5 Claims. (Cl. 156—42)



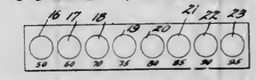
4. The combination with an awning structure comprising a bail pivoted to an awning support and braces for supporting the bail pivoted to the support, of latches pivoted to the side-bars of the bail and provided with means for engaging the braces and locking them against swinging movement, and studs for pivotally connecting the latches to the side-bars of the bail, the oraces being provided with open-ended slots through which the studs extend and out of which they pass when the latches are disengaged from the braces to permit swinging movement of the bail.

2,249,866
VAPOR CONDENSING MEANS
Joseph Slepian, Pittsburgh, and Adolph H. Toepfer and Wilson M. Brubaker, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 30, 1939, Serial No. 264,936
4 Claims. (Cl. 250—27.5)



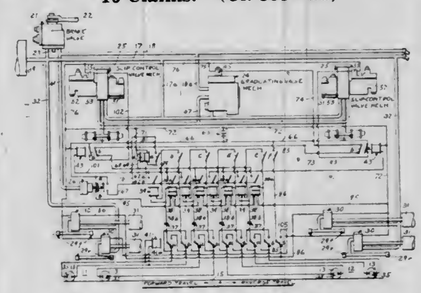
1. A vapor-electric device comprising an evacuated container, a cooled metallic condensing surface in said container, a mercury cathode in said container, an anode cooperating with the cathode, said condensing surface being insulated from said anode and cathode, a source of direct current, circuit means for impressing said direct current between said condensing surface and the cathode whereby the condensing surface is made negative with respect to the cathode and a deionizing grid in shielding relation to said condensing surface.

2,249,867
DAMPNESS DETECTING AND INDICATING DEVICE
Marjorie G. Snelling, Allentown, Pa.
Application January 15, 1938, Serial No. 185,153
8 Claims. (Cl. 73—335)



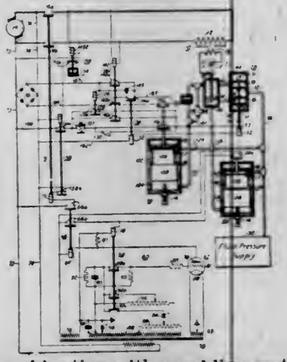
4. A humidity tester consisting of a dry relatively opaque porous body, a series of areas of deliquescent agents in substantial contact therewith, the several areas being of deliquescent materials which liquefy at different relative humidities, and a coloring medium in each area normally nonreactive with the agent when dry but when wetted coacting chemically to produce a color, whereby the agents will become wet one after another as the moisture increases and the water thus taken by the deliquescent material from the air will wet the porous body to give visual indication of the approximate relative humidity by the number of areas of the body which are wetted.

2,249,868
BRAKE CONTROL SYSTEM
Andrew J. Sorensen, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 29, 1940, Serial No. 321.503
16 Claims. (Cl. 303—21)



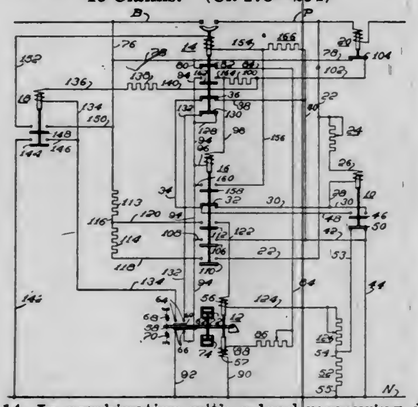
1. Brake control apparatus for a wheeled vehicle comprising, in combination, means for causing application and release of the brakes associated with the vehicle wheels, a polarized relay adapted to be actuated from a normal position to an operated position during an application of the brakes in response to the rotative deceleration of a slipping vehicle wheel at a rate exceeding a certain rate and thereafter being restored to its normal position in response to the rotative acceleration of the slipping wheel back toward a speed corresponding to vehicle speed at a rate exceeding a certain rate, means controlled by said relay and effective, as long as the relay is in its operated position, to cause a rapid continued reduction in the degree of application of the brakes and effective, upon restoration of the relay to its normal position, to terminate the reduction and initiate an increase in the degree of application of the brakes, and means effective according to the degree of adhesion between the wheel and the road surface or rail for limiting the application of the brakes restored on the slipping wheel to different degrees.

2,249,869
WELDING APPARATUS
Colby W. Steward, West Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 4, 1939, Serial No. 249,188
9 Claims. (Cl. 219—4)



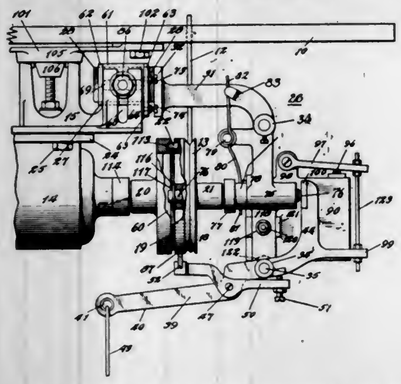
1. The combination with a welding system comprising relatively movable electrode members, fluid pressure actuating means for effecting relative movement of the electrode members, valve means controlling the fluid pressure actuating means, a source of welding current, switch means operable to connect the electrode members to the source, and control means for effecting operation of the switch means for a predetermined period, of time delay means responsive to operation of the switch means for greater than the predetermined period to render the switch means inoperative, fluid pressure relay means responsive to predetermined differentials of fluid pressure between different points in the fluid pressure system for initiating the operation of the control means and controlling the operation of the valve means in a predetermined sequence in response to the fluid pressure conditions at the source and the actuating means.

2,249,870
CONTROL SYSTEM
William R. Tallaferro, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1939, Serial No. 280,713
15 Claims. (Cl. 175—294)



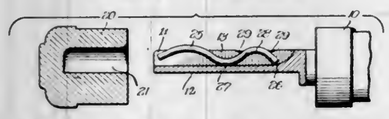
14. In combination with a load measuring device for a circuit breaker control system which functions to control a circuit breaker which is disposed to connect a load circuit with a power source, means for connecting the said load measuring device with the power source, relay means responsive to the existence of potential on the load circuit, and means whereby said relay controls the calibration of said load measuring device in accordance with the existence or non-existence of potential on the load circuit.

2,249,871
SEWING MACHINE CONTROL MOUNTING
Max Taigman, New York, N. Y.
Application October 14, 1938, Serial No. 235,028
12 Claims. (Cl. 192—.02)



1. In a device of the class described, the combination of a table bracket and with a bolt hole, four lugs depending from the bracket equidistantly spaced from the bolt hole and arranged at the corners of a square, a motor bracket underlapping and supported from the table bracket, said motor bracket provided with a bolt for engaging in said bolt hole and having four upstanding arms coacting to provide a skeleton form of socket for receiving the four lugs of the table bracket when the lugs are inserted in the socket, said brackets being rotatable about the axis of the bolt and associated bolt hole when the lugs are free of the socket to locate the brackets in a plurality of relative positions and a nut engaging the bolt to secure the brackets in any of the positions in which the lugs will fit in the socket.

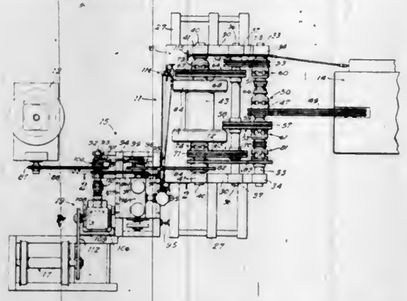
2,249,872
FASTENING MEANS FOR DETACHABLY SECURING HANDLES TO OPERATING SHAFTS
George F. Turner, Chicago, Ill., assignor to Harper-Wyman Company, a corporation of Illinois
Original application May 1, 1937, Serial No. 140,105, now Patent No. 2,191,294, dated February 20, 1940. Divided and this application July 3, 1939, Serial No. 282,589
3 Claims. (Cl. 287—53)



1. A device of the character described, comprising a non-round shaft having a longitudinal

groove therein, a wire member disposed in said groove having an arched inner portion and a cantilever spring portion, the arched portion of said spring being supported on the base of the groove and being held at spaced points by lugs extending from the upper edge of said groove and engaging the upper surface of said arched portion, said cantilever spring extending upwardly and outwardly from the bottom of said groove and partially beyond the outer surface of said shaft, whereby to exert a frictional holding action, and a handle having a socket therein adapted to receive said shaft and be frictionally held by said spring.

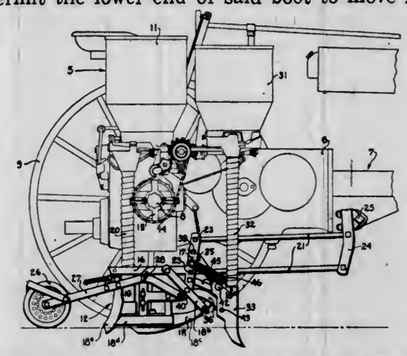
2,249,873
AUXILIARY ENGINE DRIVE FOR DRAWWORKS
Samuel W. Webster, Houston, Tex., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application May 6, 1939, Serial No. 272,254
3 Claims. (Cl. 255—19)



1. In an auxiliary drive for use in a derrick between a drawworks having a drive sprocket means, a rotary machine having a driven sprocket means, and an additional drivable means, the combination of: supporting means carrying a pair of auxiliary shafts in side by side parallel relation; a dual sprocket and associated clutch means on one of said shafts; a chain connecting said dual sprocket with one of said sprocket means; a first sprocket on the other of said shafts and having means to connect the same for simultaneous rotation; a chain connecting said first sprocket with said dual sprocket; a second sprocket and associated clutch means on said other of said shafts; a chain connecting said second sprocket and the other of sprocket means; an auxiliary engine connected to shaft having said dual sprocket and associated clutch means thereon and means including a clutch to connect the other of said shafts to said additional drivable means.

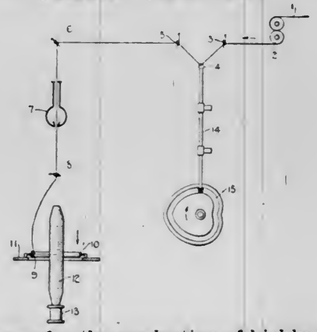
2,249,874
FERTILIZER DISTRIBUTOR ATTACHMENT
Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 3, 1937, Serial No. 162,256
16 Claims. (Cl. 111—62)

1. For use with a planting mechanism comprising a frame, the combination of a fertilizer distributing attachment having a boot disposed forwardly of said frame, and a pair of non-parallel links pivotally connected at opposite ends thereof to said frame and said boot, respectively, said links being adapted to normally arrange said boot in a vertical operating position and to permit the lower end of said boot to move in a



path which curves rearwardly and upwardly from said normal operating position.

2,249,875
TEXTILE PROCESS
William Whitehead, Rye, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware
Application April 30, 1940, Serial No. 332,453
6 Claims. (Cl. 57—157)



1. Process for the production of highly twisted crepe yarns of artificial filaments, said process comprising steaming yarns of artificial filaments while they are travelling to an axially stationary package, whereby they are received on said package while they are still under the influence of steam, rapidly rotating said package about its axis so as to impart a crepe twist to said yarns as they are collected on said package, traversing the yarns to and fro along the length of the package, and maintaining constant the length of yarn between the yarn feed and said take-up package.

2,249,876
RESISTOR
Charles C. Whittaker, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 5, 1940, Serial No. 312,517
5 Claims. (Cl. 201—68)

1. A resistor element comprising, a plurality of rectangular discs of resistance material disposed in stacked parallel relation to form a main body portion, some of the discs being turned at an angle to the other discs, each of the discs having its opposite ends in a lengthwise direction pro-

jecting from opposite sides of the main body portion of the stack, a lead of good conducting material disposed between adjacent discs and projecting outwardly therefrom, and means for se-



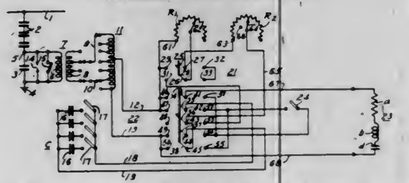
curing the stacked discs with the leads therebetween under pressure, the projecting ends of the discs effecting the dissipation of heat by radiation from the stack to provide a unit having a substantially constant resistance.

2,249,877

PHASE SHIFTING NETWORK

Charles A. Woods, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 31, 1940, Serial No. 348,812
7 Claims. (Cl. 172—238)



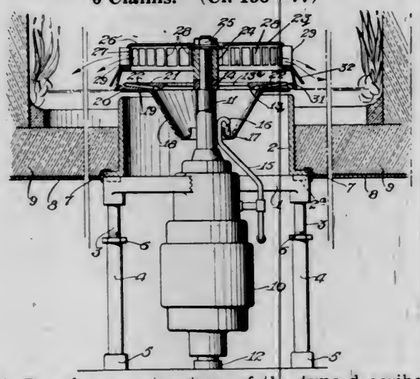
1. In combination, an alternating voltage source of electrical energy, a burden supplied therefrom, and a phase shifting network for effecting an angular shift in the voltage applied to the burden with respect to the voltage of the source, comprising a reactance device, a plurality of impedance means, switching means operable for selectively connecting said impedance means in parallel circuit relation or in series circuit relation, and switching means operable in one position for connecting said impedance means, said reactance device, and said burden in parallel circuit relation to each other and operable in another position for connecting said impedance means, said reactance device and said burden in series circuit relation with each other.

2,249,878

OIL BURNER

Charles T. Asbury, Elkins Park, Pa.

Application January 21, 1939, Serial No. 252,202
6 Claims. (Cl. 158—77)



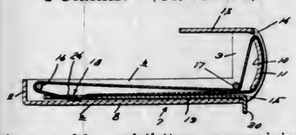
1. In a burner structure of the type described, the combination with a head rotatable about a vertical axis and having means for laterally discharging streams of liquid fuel, of a structure mounted above said head and rotatable therewith comprising a depending baffle disposed in the path of said streams of liquid fuel and against which said streams impinge and disperse in the form of a thin film prior to discharge radially outward therefrom, means disposed at a level above said rotatable fuel stream discharging head for entraining air and discharging the same from above the fuel discharge for admixture with said fuel in a region radially remote from the rotatable head to form a combustible mixture, and means disposed outwardly adjacent said baffle constituting a shield for the baffle against the heat of combustion of said mixture.

2,249,879

CHANGEABLE EXHIBITOR

William J. Bessler, Massillon, Ohio, assignor of one-half to Stanley F. Bessler, Massillon, Ohio

Application December 23, 1940, Serial No. 371,431
4 Claims. (Cl. 40—96)



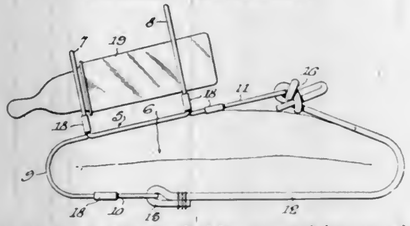
1. A changeable exhibitor comprising a substantially U-shaped structure consisting of a pair of parallel legs and a connecting portion, a pair of rolls mounted in longitudinally spaced relation on one of the legs, said connecting portion being provided with a pair of spaced slots, a web trained over the connecting portion between the slots and extending through the slots, said web being trained over one of the rolls and having both flights trained toward one side of the remaining roll to maintain both flights in close proximity to the adjacent leg portion, said web having characters thereon, and a mover for the web, said mover consisting of a slide plate extending through one of the slots of the connecting portion, said slide plate having means at its inner end for gripping one flight of the web.

2,249,880

NURSING BOTTLE HOLDER

James E. Browning, San Antonio, Tex., assignor to Browning Laboratories, Inc., San Antonio, Tex., a corporation of Texas

Application August 5, 1940, Serial No. 351,482
6 Claims. (Cl. 248—107)



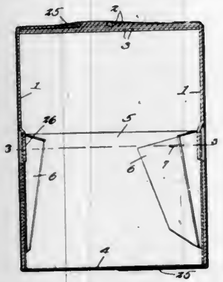
1. A nursing bottle holder comprising an elongated member to lie upon a pillow, one end of said member being provided with a downward return bend to extend around one edge of the pillow, a flexible element connected with said return bend to underlie the pillow and extend upwardly around the other edge thereof, the end of said elongated member remote from said return bend being provided with means to which said flexible element may be releasably connected, and means on said elongated member for holding a nursing bottle longitudinally over said elongated member with its nipple directly over and projecting beyond said return bend, whereby by laying said pillow on a bed in front of an infant lying on his side, the nipple may be conveniently nursed.

2,249,881

COMBINED SHIPPING AND DISPLAY PACKAGE

William T. Bouchelle, Baltimore, Md., assignor to The Lord Baltimore Press, Baltimore, Md.

Application May 2, 1939, Serial No. 271,398
7 Claims. (Cl. 206—44)



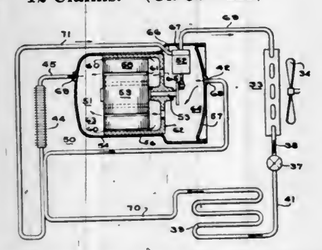
1. A package including a collapsible shell open at one end, a closure at the other end of the shell, a basket having relatively movable walls, connections between the walls at the corners of the basket, said basket constituting a closure for the open end of the shell and the walls of the basket being held pressed inwardly toward each other by the walls of the shell, the walls of the basket being releasable for outward movement relative to each other when the basket is removed from the shell, and means within the shell and engaging the basket for holding said basket against upward movement within the shell, said means including a tongue integral with and projecting inwardly from the shell and positioned to overlie the top edge of the basket.

2,249,882

COOLING APPARATUS FOR COMPRESSORS

Leslie B. M. Buchanan, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 24, 1936, Serial No. 112,485
Renewed October 21, 1939
12 Claims. (Cl. 62—115)



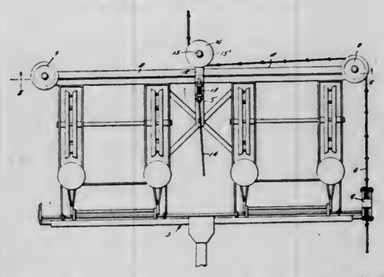
2. In refrigerating apparatus, the combination of an evaporator and a condenser for vaporizing and liquefying refrigerant, a compressor for circulating refrigerant through said evaporator and condenser, a motor for driving said compressor, a fluid-tight casing enclosing said motor and compressor, means for conveying refrigerant gas from said evaporator to said fluid-tight casing, whereby an atmosphere of refrigerant gas at substantially suction pressure prevails within the casing, means within said casing for effecting circulation of said low pressure gas throughout the length of the motor and means for cooling the low pressure gas circulated through said motor and for returning all the cooled gas to said compressor.

2,249,883

ATTACHMENT FOR PLANTERS

John E. Carlson, Beresford, S. Dak.

Application April 14, 1939, Serial No. 267,879
4 Claims. (Cl. 111—48)



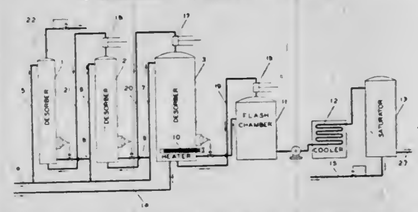
1. In a four-row planter having check heads adjacent its ends, a pulley in the rear of each head over which a check wire passes after passing through a head, a third pulley over which the wire passes after passing from the first pulley and means for supporting the third pulley from the central portion of the rear part of the planter at equal distances from the first pulleys.

2,249,884

PROCESS FOR DEGASSING LIQUIDS

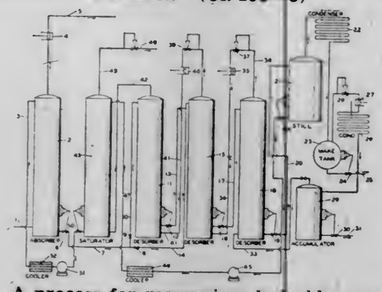
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 9, 1938, Serial No. 244,866
6 Claims. (Cl. 183—114.5)



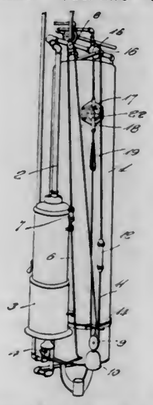
1. The process of desorbing a dissolved gas from crude oil which comprises passing the crude oil through a plurality of contacting zones in series, the zones being maintained under successively decreasing pressures, wherein the crude oil is contacted with gas, passing the crude oil from the final contacting zone into a flash zone maintained under lower pressure than the pressure of the final contacting zone, returning gas liberated in the flash zone to the final contacting zone, the contacting gas being passed from a subsequent zone to a preceding zone in respect to the crude oil flow, thereby disturbing the equilibrium of the crude oil and gas dissolved therein, and causing the desorption of the dissolved gas from the crude oil.

2,249,885
PROCESS OF SEPARATING HYDROCARBON GASES AND LIQUIDS
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 28, 1939, Serial No. 296,999
6 Claims. (Cl. 196—8)



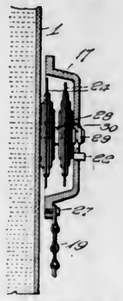
1. A process for recovering desirable constituents from a hydrocarbon complex which comprises contacting the hydrocarbon complex with an absorption oil in an absorption zone at the pressure the hydrocarbon complex comes from the reservoir and above the retrograde condensation range of the desired constituents to be recovered, said absorption oil having been previously saturated at the retrograde point with a mixture of methane and ethane, desorbing from the enriched absorption oil the undesirable dissolved gas by passing the enriched absorbing oil through a plurality of contacting zones in series, the zones being maintained under successively decreasing pressures, and the desorbed gas from each desorbing zone being passed back to the preceding zone so that all desorbed gas leaves the desorbing zones through the initial desorbing zone.

2,249,886
THERMAL CONTROL
Cleveland H. Dayton, Champaign, Ill.
Application October 5, 1939, Serial No. 298,146
3 Claims. (Cl. 126—351)



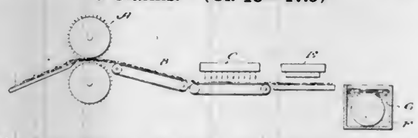
1. An improvement in thermal controls for hot water heaters and their connected tank comprising a casing adjustably supported longitudinally of said tank, a thermostat carried by said casing at times in contact with said tank, a rod connected to said thermostat and slidably mounted through an opening in said casing, a member detachably supported by said casing and positioned for being detached from said casing by said rod upon the outward movement thereof, a chain connecting one end of said member and said casing, taut means having one end thereof connected to said member and the opposite end to said casing and means operably connected to said taut means for closing the control member of said hot water heater upon the detaching of said member from said casing.

2,249,887
THERMOSTAT TRIP DEVICE
Cleveland H. Dayton, Champaign, Ill.
Original application October 5, 1939, Serial No. 298,146. Divided and this application May 22, 1940, Serial No. 336,656
5 Claims. (Cl. 74—2)



1. A thermostatically-operated control device for hot water tanks comprising an open ended casing, a pair of jointly connected and expandible wafer-type thermostats, means for suspending said thermostats within said casing, one of said thermostats projecting through the opened end of said casing, a trip control connected to the other of said thermostats and means for supporting said casing whereby the thermostat projecting through the opened end of the casing will be retained in direct heat exchange contact with the hot water tank.

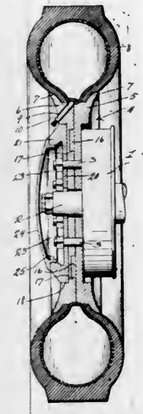
2,249,888
MOLDABLE PLASTIC COMPOSITION
Milo C. Dodge, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application December 21, 1937, Serial No. 181,029
5 Claims. (Cl. 18—47.5)



4. A moldable plastic composition composed essentially of a thermo-setting binder and a filler of web-like form composed of comparatively long vegetable fibers with small groups or tufts of the fibers extending through the web and interlocking the surrounding fibers in the web.

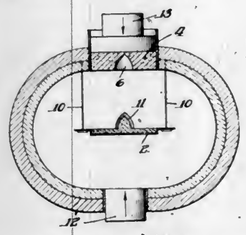
2,249,889
VEHICLE WHEEL
Donald Orlo Dotson, Adams County, Iowa
Application March 9, 1940, Serial No. 323,225
3 Claims. (Cl. 301—63)

1. A tire casing supporting vehicle wheel, comprising a pair of concentrically related disk bodies having peripheral flanges cooperating to form a tire retaining rim, said bodies having alined central apertures for the reception of a wheel hub and alined apertures encircling the central apertures for the reception of supporting bolts, separable means securing said disk bodies together, one of said disk bodies having a recess in its outer side through which said



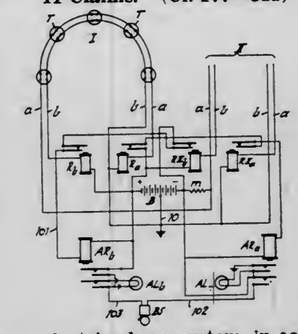
separable means is accessible, a centrally apertured disk formed to fit in said recess and covering said separable means and having apertures to receive said supporting bolts, said disk having a circular recess in its outer side, and a hub cap designed to cover the recessed outer side of the last-mentioned disk and having an annular flange adapted to fit and be secured in the circular recess of the last-mentioned disk.

2,249,890
PROCESS OF MAKING PORCELAIN DENTAL APPLIANCES
Gerard George Johan Dröge, Tilburg, Netherlands
Application April 4, 1939, Serial No. 265,978
In the Netherlands September 22, 1937
5 Claims. (Cl. 18—55.1)



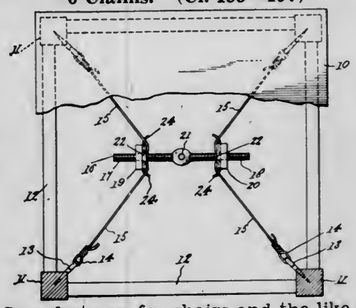
1. The process of making hard porcelain denture appliances which comprises arranging a provisionally modeled denture in a furnace and supported on a carrier so that its outer surfaces are exposed to the elevated temperature of the furnace, said denture comprising a mass of pasted, porcelain powder provisionally modeled to substantially the form of the final denture, holding said denture in said furnace until the outer surface portions only become initially soft and lustrous, bringing a remotely positioned mold into engagement with said provisionally modeled appliance and subjecting said appliance to pressure to cause the appliance to conform exactly to the outer surface of the predetermined dental appliance to be prepared.

2,249,891
ELECTRIC ALARM SYSTEM
Olof Ingemar Harald Ekman, Stockholm, and Hans Teodor Nicou, Angby, near Stockholm, Sweden
Application January 8, 1938, Serial No. 184,100
In Sweden January 9, 1937
11 Claims. (Cl. 177—311)



1. In an electric alarm system, in combination, a source of current having at least three taps of different voltages, a loop of normally closed protective insulated conductors connected to said taps, a current breaker connected in each of said conductors and responsive to the cause of danger for which alarm is to be operated, and an alarm apparatus electrically connected with said loop to be actuated when all the conductors of said loop are broken, only one single conductor end of a loop being connected with each tap directly, the conductors being connected across different parts of said source.

2,249,892
CHAIR FASTENER
Harry E. Fulton, Bernardsville, N. J.
Application September 6, 1940, Serial No. 355,675
6 Claims. (Cl. 155—197)

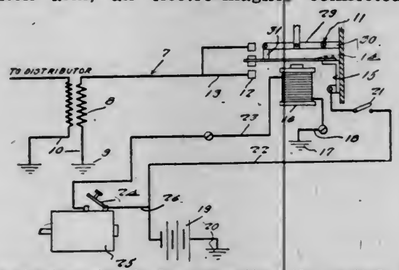


1. In a fastener for chairs and the like having legs, a short shaft having reversely threaded portions, nuts run on said reversely threaded portions, washers associated with the inner faces of said nuts and having eyelets, said washers movable toward and from the inner faces of said nuts, and wires from the chair legs having their inner ends engaged through said eyelets and clamped between the nuts and washers.

2,249,893
AUTOMATIC IGNITION CIRCUIT BREAKER
Kenneth A. Gill, Hunter, N. Y., assignor of one-half to Harold H. Van Loan, Hunter, N. Y.
Application January 2, 1940, Serial No. 312,113
1 Claim. (Cl. 290—38)

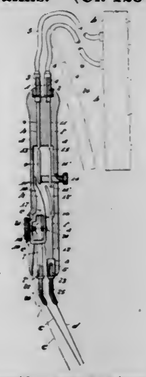
In combination with an engine having an in-

take manifold and an ignition circuit for the engine including a manually operated ignition switch and an electric starter circuit having a starter switch, an automatic switch electrically connected in said ignition circuit for breaking the ignition circuit during a period of idleness of the engine with the ignition switch in a closed position and having a pair of circuit closing positions, said automatic switch including a flexible switch arm, an electro-magnet connected in



the starter circuit for operating the switch arm into one of the circuit closing positions any time that the starter switch is closed, a diaphragm casing, a diaphragm in said casing and providing therein a vacuum chamber, means for connecting the vacuum chamber of the diaphragm casing to the intake manifold, and means for connecting the diaphragm to the switch arm for moving the latter into the other circuit-closing position during the operation of the engine.

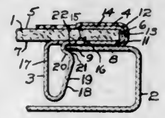
2,249,894
UNIVERSAL ELECTRODE HOLDER FOR DIATHERMIC APPLICATIONS
Bernardo Goldenstein, Buenos Aires, Argentina
Application December 19, 1938, Serial No. 246,746
8 Claims. (Cl. 128—303.13)



1. A therapeutic apparatus for local application of electrical current comprising an insulating handle, conductors carried and insulated by said handle, adapters connected to said conductors, electrodes connected to said adapters and means for pivoting one of said adapters to vary the spacing between said electrodes.

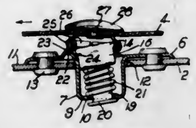
2,249,895
FASTENER MEMBER AND FASTENER INSTALLATION
Charles L. Hall, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 8, 1939, Serial No. 278,073
1 Claim. (Cl. 24—73)

A fastener secured installation comprising, in combination, a support having a flange providing a surface to be covered by an upholstery panel, an upholstery panel to be secured to said support to cover said surface, and a fastener member in assembly with said panel adapted for snap fastener engagement with the edge of said flange to secure said panel to said support, said fastener member comprising an attaching portion having a base engaging one side of said panel and a portion substantially parallel to said base engaging an opposite side of said panel, a stud portion integral with said base comprising a pair of legs joined at their ends away from said base, one of said legs extending free in the path of said flange edge prior to engagement



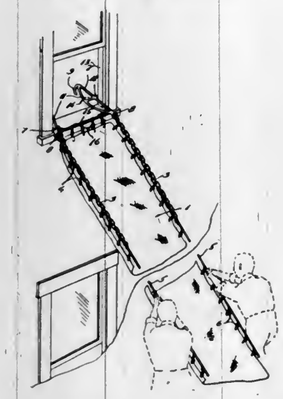
with said flange, said last-mentioned leg having a shoulder for snap fastener engagement with the edge of said flange and a lip portion at its free end spaced from said shoulder and cooperating with said shoulder to form a seat for said flange edge therebetween, said base having an opening to receive said lip, and said snap fastener engagement of said last-mentioned leg operating to draw said upholstery panel tightly to said surface of said flange and at the same time move said lip into said recess whereby said fastener member presents a single thickness of material between said surface covered by said upholstery panel and the side of said panel adjacent said surface.

2,249,896
SEPARABLE FASTENER
Charles L. Hall, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 26, 1940, Serial No. 325,982
9 Claims. (Cl. 24—208)



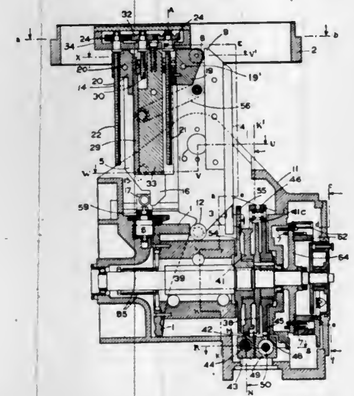
8. A separable fastener installation comprising a support, a retainer member assembled with said support, said retainer member having a flange portion and a cup-shaped body portion drawn from said flange, said body having an opening at an end adjacent said flange and a bottom portion at an opposite end, a stud member assembled with said retainer within said body, said stud member having a head and a shank extending from said head through said bottom portion, said stud member being laterally movable relative to the walls of said body, a coil spring assembled with said shank and cooperating with said shank and said body to maintain said shank normally in predetermined position relative to said body but permitting said lateral movement of said stud member, a socket member carried by another part and engaged with said stud head, a camming portion integrally joined to said retainer member laterally adjacent said socket, said camming portion engaging said socket member and automatically separating said stud and socket members on movement of said socket member toward said camming portion.

2,249,897
FIRE ESCAPE
Edward C. Hammill, Westville, N. J.
Application September 26, 1940, Serial No. 358,534
1 Claim. (Cl. 227—39)



A fire escape of the class described comprising a flexible chute, flexible supporting members connected to the longitudinal marginal portions of said chute, rods on one end of said supporting members, lateral hooks projecting outwardly from said rods and engageable with the side members of a window frame for detachably connecting the chute thereto, resilient means connected to the rods for pulling said rods toward each other and engaging the hooks behind the window frame, and means connecting one end of the chute to said resilient means.

2,249,898
LINEAR INDEXING MECHANISM
Stanley Jaffa Harley, Coventry, and George Olah, Birmingham, England
Application July 17, 1939, Serial No. 285,014
In Great Britain April 5, 1938
13 Claims. (Cl. 90—57)



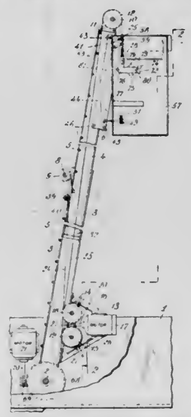
13. Linear indexing mechanism for causing the travel of a work-table along a fixed frame with a regulated step by step movement, said mechanism comprising a main indexing element, a pivotally mounted member having arms extending on different sides of the axis of its pivot and normally engaging and pressing against said element with one of said arms while its other arm is pressed by said table in a direction to urge its first mentioned arm into contact with said element, in combination with means for intermittently actuating said element to move it to an indexing position, and mechanism correlated to said means and operable for disengaging said member from said element and relieving said member from the pressure normally exerted thereon by said table prior to an actuation of said element, for thereafter moving said table to its newly indexed position between the disengagement and reengagement of said member with said element, and for, finally, permitting the reengagement of said member with said element after the indexing actuation of said element has been completed.

2,249,899
GUN BARREL CONSTRUCTION
John W. Hogg, Llanerch, Pa.
Application March 20, 1940, Serial No. 325,055
5 Claims. (Cl. 42—76)



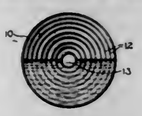
1. In a gun barrel construction adapted to minimize barrel whip, the combination which comprises a tubular barrel, a sleeve of inelastic soft material of high vibration-damping properties cohesively bonded thereto, and an outer protective metal sleeve cohesively bonded to said plastic sleeve.

2,249,900
EXTENSION LADDER AND ELEVATOR
Morris Honig, New York, N. Y.
Application October 27, 1939, Serial No. 301,568
15 Claims. (Cl. 227—8)



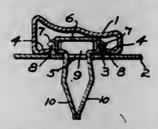
1. An extension elevator, including telescopic sections, a motor actuated cable associated with adjacent sections for determining their extension, a truck including wheels bearing against the sections, a shaft passing through opposite wheels on said truck, a car, through which said shaft passes, and on which the car is adjustably mounted, and means for adjusting the juxtaposition of the car with reference to the sections.

2,249,901
INCLINOMETER
Gustav Kodal, Berlin-Siemensstadt, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application September 11, 1939, Serial No. 294,373
In Germany October 12, 1938
3 Claims. (Cl. 33—209)



1. An aircraft instrument for indicating the true or apparent horizon, comprising an inclinometer having a disc-shaped housing, a plurality of fins within the housing, the fins being of less height than the thickness of the housing, and a transparent face plate for said housing, the latter being approximately one half full of a liquid, said fins acting to provide a substantially level liquid surface whereby meniscus formations at said surface are counteracted.

2,249,902
SNAP FASTENER STUD MEMBER
Joseph Kral, Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 23, 1939, Serial No. 275,186
1 Claim. (Cl. 24—73)

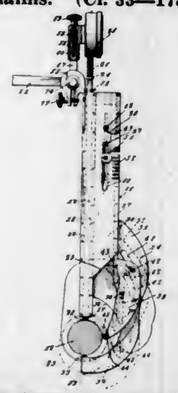


A double snap fastener stud for moldings and the like comprising, in combination, a top portion, a pair of bowed legs extending from said top portion in a direction normal to the plane of said top portion to provide one snap stud, a pair of U-shaped side portions joined to said top portion adjacent to mid-portions of the bottom of each U, each of said U-shaped side portions having legs with tapering shoulders at their free ends and the legs on one U-shaped portion extending in an opposite direction from the legs of the other U-shaped portion to cooperate with each other for snap fastening engagement with said molding, the said U-shaped portions being resilient so that the leg of one may yield toward the leg of the opposite side portion and from the other snap stud.

2,249,903
STABLE AQUEOUS SOLUTION OF ASCORBIC ACID
Carl Ludwig Lautenschlager and Fritz Lindner, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 23, 1936, Serial No. 60,544. In Germany January 26, 1935
6 Claims. (Cl. 167—81)

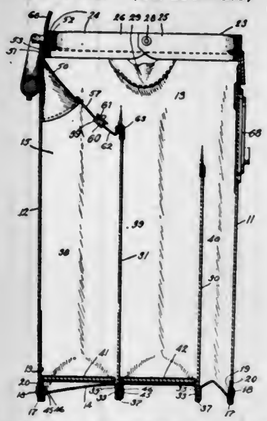
4. An aqueous solution containing ascorbic acid and an ethanol amine in an amount not sufficient for complete neutralization of the acid, said solution being non-stable to oxygen and stable to inert gases and having a pH value between about 4 and 6.5.

2,249,904
GRINDING GAUGE CALIPER FRAME
Howard H. Lewis, Peoria, Ill.
Application May 13, 1940, Serial No. 334,912
7 Claims. (Cl. 33—178)



1. A caliper instrument comprising a frame having diametrically opposed movable caliper elements, means to adjustably position one of the caliper elements and to hold the said element in the adjusted position, an indicator adapted to show movements of the other of the caliper elements, and a third caliper element adjustably mounted on the first caliper element and having a part normally contacting an edge of the frame, the relationship between the edge of the frame and the third caliper element being such that movement of the first caliper element relative to the frame and adjustment of the third caliper element on the first element to move the said part into engagement with the edge of the frame will position the work contacting end of the third element on the periphery of a circle inscribed through the work contacting ends of the said diametrically opposed elements.

2,249,905
COMPOSITE OVERNIGHT AND BRIEF CASE
Samuel H. Lifton, New York, N. Y.
Application March 21, 1941, Serial No. 384,466
2 Claims. (Cl. 150—1.6)



1. In an article carrying case, spaced front and rear panels, an expandible and contractible gusset having spaced transversely arranged sides connected by a bottom portion and intervening

said panels and secured thereto and defining an elongated inner compartment, a partition secured to said gusset and spaced from said rear panel and defining with the latter a divisional compartment, a liftable bellows flap suspended from said rear panel above the elevation of said partition and comprising an intermediately arranged substantially trapezoidal shaped portion and having substantially tapered marginal end portions secured to said rear panel at spaced marginal ends of the latter, spaced and downwardly converging folds integral with said marginal end portions and said trapezoidal shaped portion and overlapping said marginal end portions on a bias in respect to said spaced sides and originating at the upper portions of said marginal end portions substantially adjacent said spaced sides, carrier means secured to the lower end of said trapezoidal shaped portion and to the upper end of said partition, and slide fastener means connected to the free opposed edges of said carrier means to open or close the latter to render said divisional compartment accessible or inaccessible.

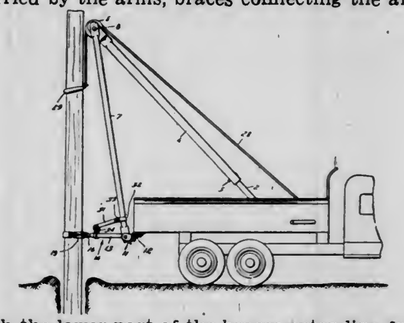
2,249,906
SURGICAL DEVICE
Antonio Longoria, Lakewood, Ohio, assignor to Ramon Castroviejo, New York, N. Y.
Application September 3, 1938, Serial No. 228,292
8 Claims. (Cl. 128—305)



1. A surgical instrument comprising, in combination, a handle, a tripod attached thereto, means on the end of the tripod for penetrating the operating surface to hold the instrument against movement with relation thereto during an operation, a shaft journalled within the handle, a cutter, means for rigidly connecting the cutter to the shaft, said means including mechanism for adjusting the cutter longitudinally of the shaft and for limiting turning movement of it with reference to the shaft, and means for rotating the shaft.

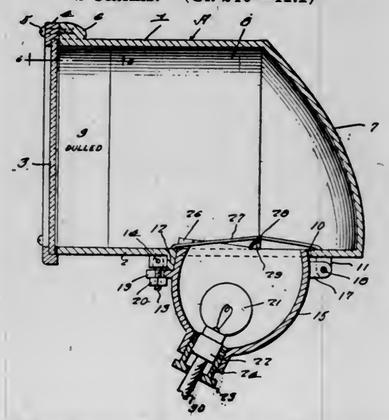
2,249,907
POLE SHIFTING DEVICE
John Paul Perkowski, East Northport, N. Y.
Application October 29, 1940, Serial No. 363,366
3 Claims. (Cl. 254—139.1)

2. A pole handling attachment for a truck comprising a boom adjustable as to its length, means for pivotally connecting the lower end of the boom to the body of a truck, a pulley carried by the other end of the boom, a rod, means for supporting the rod at the rear end of the truck in horizontal position, brackets connected with the rod, braces for the boom extending downwardly and engaging the rod and the brackets, a pair of sectional arms pivotally connected with some of the supporting means, a sectional ring carried by the arms, braces connecting the arms



with the lower part of the braces extending from the boom, means for fastening the sections together, a drum in the body, a cable thereon passing upwardly over the pulley on the boom and means for fastening the cable to the pole which is engaged by the ring.

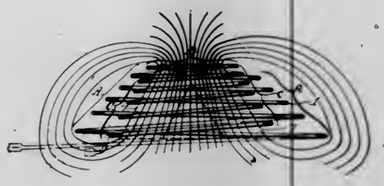
2,249,908
HEAD LAMP
George A. Petermann, Kearsarge, Mich., assignor of one-half to Lorimer A. Eaton, Laurium, Mich.
Application February 3, 1940, Serial No. 317,185
2 Claims. (Cl. 240—41.1)



2. A headlamp of the class described comprising a housing of substantially semi-circular shape in cross section with its flat part lowermost, the front end of the housing being open and the rear end of the housing being in the shape of a paraboloid, a reflector member forming an ellipsoid having its open upper end in communication with the rear portion of the bottom of the housing, a bulb socket having a bulb therein carried by the lower end of the reflector member with the bulb and its socket lying in a plane which slopes upwardly and rearwardly and a member in the shape of a quarter of a sphere supported at substantially the center of the top of the reflector member and above the bulb for intercepting rays of light passing upwardly and outwardly from the rear of the reflector member, the inner face of the quarter sphere, the inner face of the reflector member and the major por-

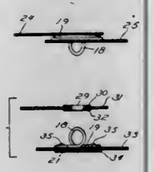
tion of the interior of the housing having reflective surfaces, said housing having a dull interior surface at its front end.

2,249,909
END HEATING DEVICE
David Pisarev, Bethlehem, Pa.
Application May 10, 1939, Serial No. 272,905
5 Claims. (Cl. 219—13)



1. An inductive heating device comprising an induction coil consisting of a winding of wire wound to provide inner and outer angularly related sections which converge toward one end of the coil, at least said outer section being composed of a plurality of turns of progressively decreasing size in the direction of convergence thereof and both of said sections terminating at said end of the coil in a common heating section, the said common end heating section being arranged for disposition adjacent a susceptor to be heated and said angularly related converging sections of the coil functioning to control the distribution of heat in and direct the magnetic flux more toward said susceptor to be heated.

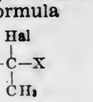
2,249,910
SEPARABLE FASTENER
Bion C. Place, Detroit, Mich., assignor of one-half to George F. Gagnier, Detroit, Mich.
Application February 16, 1938, Serial No. 190,873
5 Claims. (Cl. 24—215)



1. A separable fastener for garments or the like consisting of a socket member presenting an unyielding circular wall for the reception of the stud part of a stud member, and a stud member constituting a single piece of wire and including a single yielding ring-like stud part formed from the mid-portion of said piece of wire to a diameter sufficiently small to be usable in fastening garments or the like and exceeding slightly the diameter of the opening formed by said circular wall, and constituting the complete stud part, and means to attach the stud member to the element to be secured by it comprising the ends of said piece of wire, said ends each forming one-half of a geometrical figure disposed in a plane normal to the plane of said stud part.

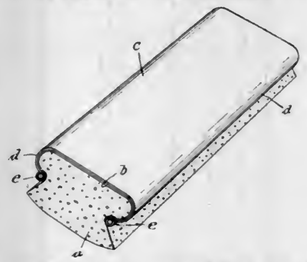
2,249,911
CYCLOPENTANOPOLYHYDROPHENANTHRENE DERIVATIVES AND PROCESS OF PRODUCING SAME
Rupert Oppenauer, Amsterdam, Netherlands, and Hans Kaegi, Basel, and Karl Miescher, Riehen, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application May 24, 1938, Serial No. 209,836. In the Netherlands May 29, 1937
11 Claims. (Cl. 260—397.1)

1. The cyclopentano-polyhydrophenanthrenes containing in the 17-position a hydroxyl group and the group of the formula



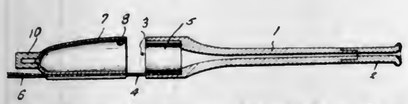
wherein X represents a member of the group consisting of COOR, $CONH_2$ and CN, R standing for an alkyl radical.

2,249,912
BLACKBOARD ERASER
John H. Oxley, Watertown, Mass., assignor to The American Crayon Company, Sandusky, Ohio, a corporation of Ohio
Application September 16, 1939, Serial No. 295,303
3 Claims. (Cl. 15—244)



2. A chalk eraser comprising an elongated holder of substantially rigid material and consisting of a top portion and convergently disposed side portions, providing a recess therebetween, an oblong block of compressible resilient latex material having inter-connected air cells therein, and a covering of thin leather having its grain side adhesively connected to said block and extending over one side and a portion of the opposite edges thereof, one side portion of said block being disposed in said recess and having the intermediate portions of its edges compressed between the sides of the holder contacting the edges of said covering.

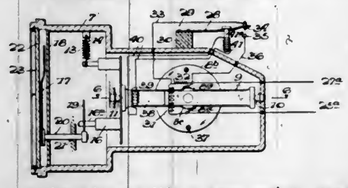
2,249,913
CIGARETTE HOLDER AND ASH TRAY
Edward J. Quilty, Cleveland, Ohio
Application June 5, 1940, Serial No. 339,029
1 Claim. (Cl. 131—175)



In a device of the class described, a cigarette holder, a bar, a split spring ring at one end of the bar fitting in the mouth of the holder, a tubular member having its outer end closed and

forming a tray, the bottom of the member having a passageway therein for receiving the bar, and a spring tongue at the outer end of the bar.

2,249,914
SPEED CONTROL OF ROTOR GYROSCOPES
Wladimir A. Reichel, Bellerose, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 22, 1939, Serial No. 291,435
2 Claims. (Cl. 171—222)



1. In combination with a gyro rotor, magnetic means carried by said rotor, electrical means for driving said rotor, vibrating means controlling said electrical means, and an electrical circuit including a magnetic element for controlling said vibrating means, said magnetic means varying the reluctance of said magnetic element in accordance with the rotor speed.

2,249,915
VINYLIDENE CHLORIDE COMPOSITION
Robert C. Reinhardt and John H. Reilly, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 16, 1938, Serial No. 240,661
3 Claims. (Cl. 260—32)

1. A composition of matter comprising (1) a polymeric material which is insoluble in chloroform, carbon bisulfide, ethylene bromide, and benzene, said material having a softening point above 130° C., being thermo-stable at least to its softening point, and being selected from the group consisting of the polymer of pure vinylidene chloride and co-polymers thereof containing only a minor proportion of a co-polymerized ingredient having only one active ethylenic group, completely dispersed to form a solution in (2) a liquid aliphatic ether having a boiling point above 100° C.

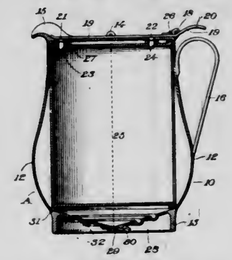
2,249,916
VINYLIDENE CHLORIDE COMPOSITIONS
Robert C. Reinhardt and John H. Reilly, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application November 16, 1938, Serial No. 240,661. Divided and this application November 28, 1940, Serial No. 367,576
4 Claims. (Cl. 260—32)

1. A composition of matter comprising (1) a polymeric material which is insoluble in chloroform, carbon bisulfide, ethylene bromide, and benzene, said material having a softening point above 130° C., being thermo-stable at least to its softening point, and being selected from the group consisting of the polymer of pure vinylidene chloride and co-polymers thereof containing only a minor proportion of a co-polymerized ingredient having only one active ethylenic group, completely dispersed to form a solution in (2) a liquid polychlorinated aromatic hydrocarbon, which solution remains clear at temperatures above about 140° C., and forms gels at lower temperatures.

2,249,917
VINYLIDENE CHLORIDE COMPOSITION
Robert C. Reinhardt and John H. Reilly, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application November 16, 1938, Serial No. 240,661. Divided and this application November 28, 1940. Serial No. 367,577
3 Claims. (Cl. 260—32)

1. A composition of matter comprising (1) a polymeric material which is insoluble in chloroform, carbon bisulfide, ethylene bromide, and benzene, said material having a softening point above 130° C., being thermo-stable at least to its softening point, and being selected from the group consisting of the polymer of pure vinylidene chloride and co-polymers thereof, containing only a minor proportion of a co-polymerized ingredient having only one active ethylenic group, completely dispersed to form a solution in (2) a liquid ketone having a boiling point above 100° C.

2,249,918
CANNED LIQUID SERVER
Franklin W. Sprout, Grass Valley, Calif.
Application May 13, 1940, Serial No. 335,015
5 Claims. (Cl. 65—61)

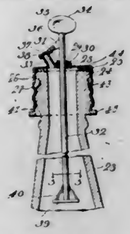


1. A device for fluid containers and the like, comprising a longitudinally divided casing forming matched separable sections, hinges at the uppermost end of the casing for swingingly connecting the sections together, puncturing members on the sections at the hinged end of the casing and forming passages therethrough, means for closing and opening the passages through said members, means latching the sections together, and a pouring spout formed on one section at the hinged end of the casing next to a member having the passage therethrough.

2,249,919
KETCHUP DISPENSER
Franklin W. Sprout, Grass Valley, Calif.
Application May 27, 1940, Serial No. 337,532
3 Claims. (Cl. 221—147)

1. A dispensing attachment for a bottle having a neck, and said device comprising a cap for threaded association with the neck, an outlet spout formed on and rising from the cap at an outward inclination, a piston rod mounted for slidable movement through the cap for disposal within the bottle, an arm formed on the outer end portion of the rod and extending at an outward and downward inclination therefrom, a lid for closing the spout and formed on the outer end of the arm, a knob like handle formed on the

outer end of the rod, and a piston secured to the inner end of the rod to force the contents of the

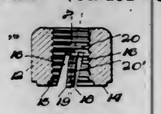


bottle through the neck for disposal through the outlet spout.

2,249,920
SUGAR REFINING
Charles W. Taussig and Albert C. Roland, New York, N. Y., assignors to Applied Sugar Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 5, 1938, Serial No. 200,164
9 Claims. (Cl. 127—46)

1. The process which comprises providing a non-affinated raw sugar syrup having a density of the order of 65 to 67 degrees Brix; treating it with an alkaline substance to bring the pH of the syrup to about 7.2 to 8.0; reacting said alkaline substance with an acidic precipitant which converts the alkaline substance into an insoluble body without substantial formation of soluble salts and bringing the pH of the mixture to a value of about 6.0 to 6.8; adding an insoluble, finely divided siliceous body; separating the solids from the liquid; treating the liquid with activated carbon; separating the carbon from the liquid; and thereafter reacting the liquid with a bleaching agent selected from the group consisting of hypochlorites and hypobromites and effecting a substantial decolorization of the syrup.

2,249,921
BOLT AND NUT LOCK
Victor H. Van Sant, Westfield, N. J., assignor of one-third to Wilbur B. Driver, Newark, N. J., and one-third to Henry Kershaw, Belleville, N. J.
Application September 23, 1939, Serial No. 296,314
2 Claims. (Cl. 151—37)

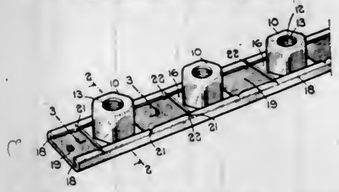


1. In a bolt and nut lock, a bolt having a screw-threaded portion, a nut having a bore provided with screw-threads, said nut being provided in its periphery with a pair of slots which are circumferentially inclined and extend through its inner end and forming a finger between the slots, said finger having its longitudinal axis originally circumferentially inclined with respect to the nut and its free end terminating with the free ends of the slots, said finger being bent so that its longitudinal axis extends more nearly parallel with the turning axis of the nut and the free end of the finger extends beyond the inner ends of the slots, said finger having portions of the screw-threads of the nut formed therein, said finger being resilient, said finger being shifted laterally in a trailing direction by engaging the work when the nut is screwed up.

2,249,922
HALOGENATION OF SATURATED HYDROCARBONS
William E. Vaughan and Frederick F. Rust, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 22, 1939, Serial No. 291,366
12 Claims. (Cl. 260—662)

11. In a process of halogenating saturated organic compounds, the steps of commingling an organic compound selected from the group consisting of saturated aliphatic and cycloaliphatic hydrocarbons and of their partially chlorinated and brominated derivatives which contain at least three carbon atoms per molecule, with a halogen selected from the group consisting of chlorine and bromine, and effecting the reaction at an elevated temperature and in the presence of deactivated ethyl halide selected from the group consisting of ethyl chloride and ethyl bromide, thereby halogenating the saturated organic compounds other than the ethyl halide.

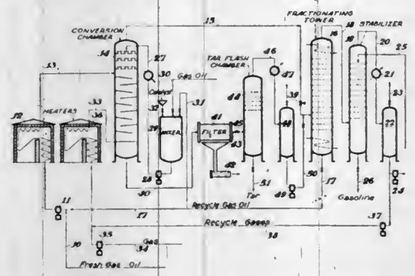
2,249,923
SCREW AND NUT FASTENING
Christopher John Whitcombe, Smethwick, England, assignor to Guest, Keen & Nettlefolds, Limited, Smethwick, England
Application September 3, 1940, Serial No. 355,268
In Great Britain September 21, 1939
10 Claims. (Cl. 85—32)



10. A screw fastening element comprising an attachment plate having edges of channel form, a carrier plate having a pocket and a flange, opposite edges of the flange engaging in said channels the distance between said edges being less than the distance between the bases of the channels, stop means on the attachment plate adapted to engage with said carrier plate, and a nut non-rotatably mounted in said pocket, said pocket being of cup like form of greater depth than the thickness of the nut and having its end formed by a continuous inwardly directed flange completely covering the end of the nut except for the bore, said nut being an easy fit in said pocket permitting the end face of the nut to move out of parallelism with the face of the attachment plate, said attachment plate having an opening of larger diameter than that of the bore of the nut, said opening registering approximately with the bore of the nut.

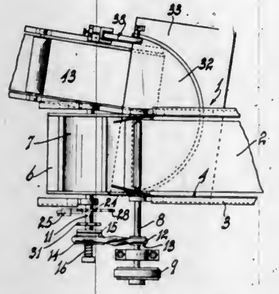
2,249,924
CATALYTIC CONVERSION OF HYDROCARBONS
Jesse Russell Wilson, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 22, 1937, Serial No. 175,818
10 Claims. (Cl. 196—9)

1. The process of simultaneously converting heavy hydrocarbon oils and normally gaseous hydrocarbons into gasoline, which comprises heating the heavy hydrocarbon oil to a cracking temperature, introducing the heated oil into the upper part of an elongated, vertically disposed conversion zone, introducing a dispersed contact catalyst solid at the temperature employed into the heated oil near the point of introduction into said zone, allowing the catalyst and heated oil to mingle and descend through said conversion zone, heating said hydrocarbon gas above



said cracking temperature and introducing it into the lower part of said conversion zone, regulating temperature and pressure to maintain said oil in the liquid phase and effecting a conversion reaction between said heated hydrocarbon gas and said oil counterflowing in said conversion zone in contact with said catalyst whereby a high knock rating gasoline is produced.

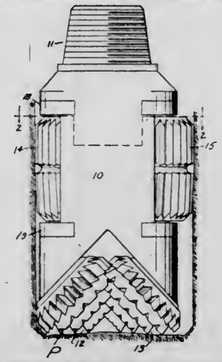
2,249,925
DOUGH MOLDER
Frank J. Wittmann, Los Angeles, Calif.
Application May 15, 1940, Serial No. 335,269
15 Claims. (Cl. 107—8)



1. A dough twister comprising a twisting conveyor, consisting of a flexible disk mounting means for the disk whereby a flat semi-circular surface is presented to receive the dough, and drive means for the twisting conveyor whereby the conveyor is rotated.

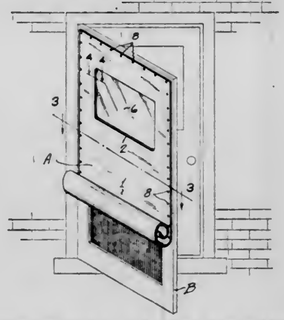
2,249,926
NONTRACKING ROLLER BIT
John A. Zublin, Los Angeles, Calif.
Application May 13, 1940, Serial No. 334,810
1 Claim. (Cl. 255—73)

In a rotary drilling bit, a shank, a rolling cutter assembly mounted on said shank, a pair of wall engaging cutters mounted for rotation on said shank, the cutting surfaces of said wall engaging cutters being eccentric to the axes of rotation of said cutters, and gear means between said wall engaging cutters maintaining them in substantially constant angular rotational position with each other in such a manner that when the maximum radius of one cutter is in engagement with the wall of the bore being produced, the



minimum radius of the other cutter is in formation engaging position.

2,249,927
COVERING FOR DOORS AND SIMILAR STRUCTURES
Alvin A. Abramson, St. Louis, Mo., assignor to Central States Paper & Bag Company, St. Louis, Mo., a corporation of Missouri
Application November 28, 1938, Serial No. 242,764
7 Claims. (Cl. 156—14)

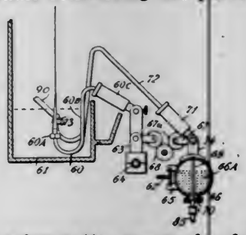


1. A cover member adapted for adjunctive use with a door structure in the provision of a storm door comprising a flexible sheet of laminated material having a window opening therein, and a transparent panel mounted on a face of the sheet in overlying registration with the window opening by means of a non-drying and inherently yieldable adhesive material.

2,249,928
CONTINUOUS FILAMENT FORMATION
John William Allquist and Oskar Oppenlaender, Rome, Ga., assignors to Tubize Chatillon Corporation, New York, N. Y., a corporation of Delaware
Original application March 18, 1937, Serial No. 131,598. Divided and this application October 18, 1938, Serial No. 235,593
6 Claims. (Cl. 18—8)

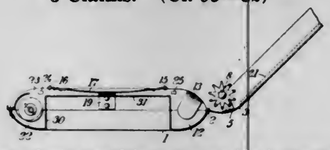
1. In rayon spinning apparatus of the "continu" type wherein a continuous filament may be produced while a spinnerette is temporarily withdrawn from service, the combination which comprises a first spinnerette, means for forcing a spinning solution to eject through the first spin-

nerette, means for coagulating the solution thus ejected from the first spinnerette to form a filament, means for interrupting the flow of spinning solution through the first spinnerette, a portable tank for a second supply of spinning solution, a second spinnerette disposable adjacent the first spinnerette and in substantial alignment therewith, a conduit connecting the portable tank to



the second spinnerette, means for forcing spinning solution from the tank through the second spinnerette and into contact with the coagulating means to form a second filament, means for guiding the first and second filaments into contact with each other, and means for interrupting the flow of spinning solution from the second spinnerette.

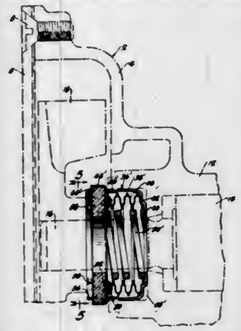
2,249,929
ROLL FILM CAMERA
Wilhelm Baumgärtner, Brunswick, Germany, assignor, by mesne assignments, to Sherka Chemical Co. Inc., Bloomfield, N. J., a corporation
Application April 20, 1938, Serial No. 203,081
In Germany April 21, 1937
3 Claims. (Cl. 95—32)



1. In a photographic camera that comprises a casing open at the rear, a lid hinged to the casing and adapted to close the casing in the rear, and means for rotatably supporting within the camera on axes parallel to the axis of the hinged union of the lid to the casing a film-delivering and a film-winding spool with a reach of unwound film extending between the two spools, the said lid being provided with a plane surface adapted to afford backing from the rear for the reach of unwound film extending in position for exposure between said spools, the lid swinging in the direction of film advance, the combination of leaf spring means mounted at an intermediate point in its extent upon the casing and having arms extending from its mounting forwardly and rearwardly in the direction of film advance and adapted to engage the film on both sides of the opening, the said spring means being equipped at the ends with film-guiding rollers adapted to engage from the front the reach of unwound film extended between said spools and as the lid is closed adapted to hold the film upon the plane surface of the closed lid.

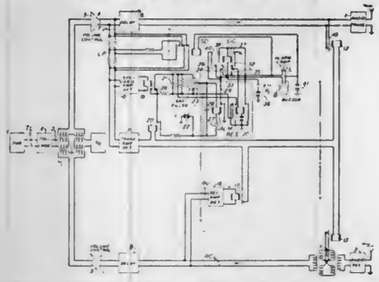
2,249,930
WATER PUMP SEAL
Charles S. Bailey and Harold A. Reynolds, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 18, 1939, Serial No. 268,642
4 Claims. (Cl. 286—11)

1. In a seal for the water pump of the internal combustion engine of an automotive vehicle, a shell, a cup in the shell, sealing means interconnecting the cup and the shell, a circular groove in the bottom of the cup, a distortable ring



positioned in the groove, and a sealing member mounted in the cup outside the groove and extending on both sides thereof and adapted to distort the ring when pressure is applied to the sealing members.

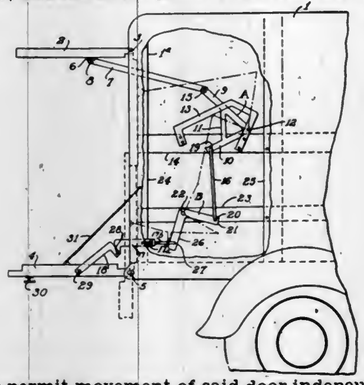
2,249,931
INDICATING AND CONTROL CIRCUITS
Harold L. Barney, Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 28, 1939, Serial No. 306,454
10 Claims. (Cl. 177—311)



1. In combination with a wave-operated switching device responsive to applied signal waves and subject to false operation by applied noise waves, alarm means operating in a number of steps each corresponding to a different degree of excessive false operation of said device by the noise waves and means for automatically reducing the sensitivity of said device in accordance with the amount of noise causing each stage of alarm operation.

2,249,932
DOOR CONTROL
Francis R. Beal, Port William, Ohio
Application December 10, 1938, Serial No. 245,032
11 Claims. (Cl. 268—74)

1. In closure operating means of the class described, the combination of a support, a pair of doors pivotally connected thereto, and operating means connected to the doors and to the support for actuating one door from the other, said operating means including a flexible connection connected to one of the doors and arranged to move into contiguous relation to the axis of swing of the said door, said combination including means in the path of such movement to impede the same and thereby cause such connection to flex about the pivot of the door and there-

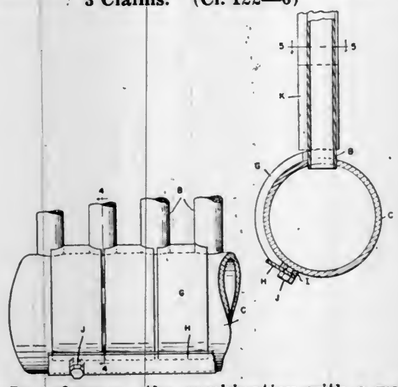


after permit movement of said door independently of any effect upon the other door.

2,249,933
PIEZOELECTRIC PLATE
Rudolf Bechmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 26, 1939, Serial No. 296,573
In Germany September 24, 1938
5 Claims. (Cl. 171—327)

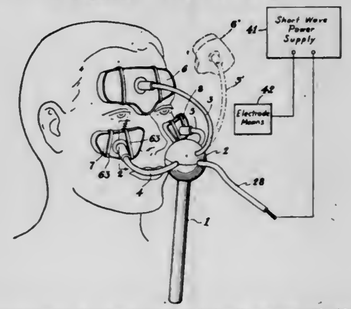
1. A piezo-electric crystal arrangement which will function in the thickness mode of the crystal to give a single frequency response when subjected to high frequencies, comprising a piezo-electric crystal, two electrodes each having an area which is smaller than one-half the area of said crystal and arranged each side thereof, one of said electrodes having a smaller area than the other electrode.

2,249,934
PROTECTION MEANS FOR WATER WALL FURNACES
Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application August 12, 1940, Serial No. 352,317
3 Claims. (Cl. 122—6)



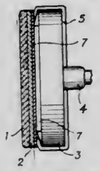
1. In a furnace, the combination with a water wall comprising a series of tubes and a header to which the lower ends of said tubes are connected, of protecting means comprising a series of segmental blocks successively engageable with said header to cover a segment thereof, said blocks extending between adjacent tubes to form an interlocking engagement therewith, and means engaging the lower ends of said blocks to secure the same to said header.

2,249,935
ELECTRODE MEANS FOR USE IN SHORT-WAVE DIATHERMY TREATMENT
Cecil J. Birtcher, Alhambra, Calif.
Application May 6, 1940, Serial No. 333,508
4 Claims. (Cl. 128—413)



3. An electrode device for short-wave diathermy comprising a terminal member adapted to be electrically connected to a short-wave supply, a plurality of insulated electrical conductors each having one end electrically connected to said terminal member and extending therefrom in different directions, electrode members electrically connected to and supported by the free ends of said electrical conductors, each of said electrode members being provided with an electrically insulating surface covering, said electrical conductors being sufficiently rigid to maintain a fixed space relationship between said electrode members in the normal use of said device but manually bendable to permit the manual adjustment of the space relationship thereof.

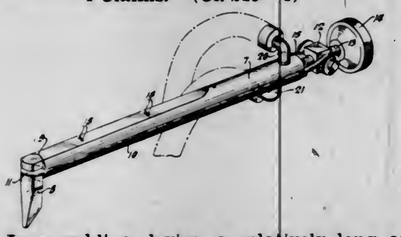
2,249,936
DISPOSABLE ABSORBENT PAD FOR DIATHERMY APPLICATORS
Cecil J. Birtcher, Alhambra, Calif.
Application May 11, 1940, Serial No. 334,557
1 Claim. (Cl. 128—413)



A disposable pad adapted to be secured to the face of an electrode member of a short-wave diathermy applicator consisting of a relatively rigid flexible insulating supporting layer, an insulating attachment layer adhesively secured to one surface of said supporting layer, a plurality of insulating elastic bands, a portion of each band being secured between said supporting layer and said attachment layer, and the remainder of each band being adapted to encircle said electrode member and to hold said attach-

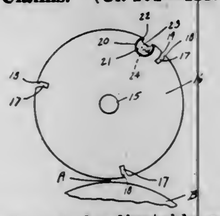
ment layer elastically in contact with the face of said electrode member, and a pad of insulating absorbent material secured to the other surface of said supporting layer.

2,249,937
SPOT WELDER TIP
Karl F. Bohn, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 30, 1940, Serial No. 358,968
4 Claims. (Cl. 219—4)



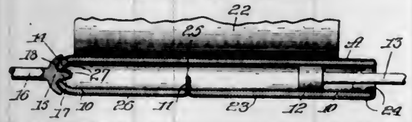
3. In a welding device, a relatively long and narrow electrode supporting rod having longitudinal guide formations in the opposite sides thereof, means mounting the same at its outer end, an electrode seat at its inner end, a hairpin clamp keyed in said guide formations and adjustable therein longitudinally of the rod and a replaceable electrode embraced by the bight of said clamp and held thereby on said seat, said electrode having oppositely disposed flat side faces engaging the hairpin clamp to resist rotational displacement and a peripheral key formation interlocking with the hairpin to resist axial displacement thereof.

2,249,938
PRINTING PLATE ANCHORAGE
George E. Bomberger and Howard H. Niederauer, Indianapolis, Ind., assignors to Inland Container Corporation, Indianapolis, Ind., a corporation
Application February 23, 1940, Serial No. 320,356
4 Claims. (Cl. 101—415.1)



2. A tautening and adjustable anchorage for relatively inextensible flexible printing surface sheets including an elongated cylindrical bore in a printing cylinder and parallel to the axis thereof and adjacent the cylinder periphery and having a throat of appreciable arcuate width coincident with the projected continuation of the periphery, an elongated cylindrical support member rotatably mounted in said bore and including an elongated recess in the support surface and parallel to the axis of the support, a relatively inextensible, flexible printing sheet having an enlarged end freely and radially seatable in said recess when the latter registers with the throat, said bore receivable member upon rotation in the bore simultaneously locking the printing surface sheet enlarged end in the recess by bore wall cooperation and tautening the sheet on the cylinder, means associated with the bore receivable longitudinally recessed member for normally holding the same in rotated relation with the recess offset angularly from the throat for recess closure and for printing surface sheet anchorage retention and printing surface sheet tautening, the printing surface sheet having an opposite end similarly enlarged, the cylindner having a longitudinally directed surface groove therein peripherally spaced from the throat slightly less than the length of the sheet between enlarged ends, the groove having a throat at the cylinder periphery through which the opposite end enlargement of the sheet is readily passable, and a projection extending into the second-mentioned throat adjacent the cylinder periphery and arranged for sheet opposite end enlargement retention for tautening and positioning of the sheet upon the cylinder.

2,249,939
HOSE DECORATING METHOD AND APPARATUS
Alfred F. Branan, Niles Center, Ill.
Application September 3, 1940, Serial No. 355,262
17 Claims. (Cl. 101—38)



17. A method of decorating hose having leg, foot and heel portions, comprising placing the hose on a supporting mandrel to form a continuous extended surface of the foot and leg portions of the hose, tucking the heel portion of the hose into an opening in the mandrel, and applying decorative material to the hose along said continuous surface.

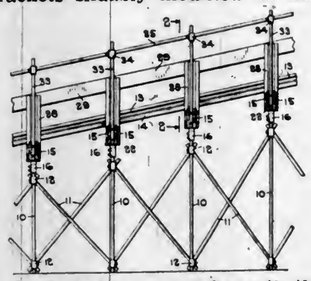
2,249,940
PREVENTION OF ICE FORMATION ON THE WINGS OR OTHER PARTS OF AIRCRAFT
David Carnie Bulloch, London, England
Application March 30, 1938, Serial No. 198,871
In Great Britain April 14, 1937
4 Claims. (Cl. 244—134)



1. For use with an aircraft for preventing the formation of ice upon a leading edge thereof having a recess therein, means comprising a covering of woven wire and yarn extending outwardly from said recess, clamping means located in said recess for securing said covering in position and means communicating with said recess for supplying anti-freezing fluid under pressure to said recess back of said covering.

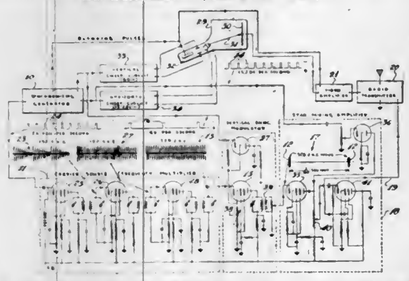
2,249,941
TUBULAR AND OTHER METAL SCAFFOLDING AND LIKE STRUCTURES
John Burton, Edgbaston, Birmingham, England
Application July 30, 1940, Serial No. 348,529
In Great Britain August 2, 1939
5 Claims. (Cl. 104—125)

1. A structure comprising metallic standards, non-metallic bearers supported upon said standards, each standard being disposed between a pair of said bearers, bolts connecting said pair of bearers together at opposite sides of said standard, brackets slidably mounted on said stand-



ards and adapted to engage beneath the bearers associated therewith, and clamps secured in frictional engagement with said standards to support said brackets.

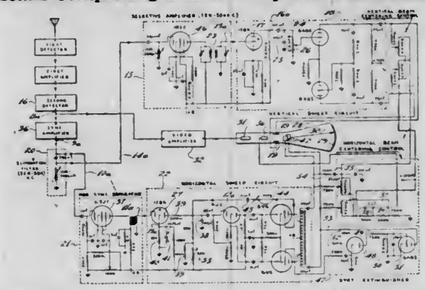
2,249,942
TELEVISION SYSTEM AND SYNCHRONIZING MEANS THEREFOR
Richard L. Campbell, Hasbrouck Heights, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application October 19, 1939, Serial No. 300,263
13 Claims. (Cl. 178—6.8)



1. In the art of television communication between two stations, the steps in the method of holding in synchronism the respective scanning devices at said stations, which consist in generating pulses occurring continuously at a given line frequency and pulses at a given field frequency, said pulses at line frequency lasting longer than the interval between line pulses generating a wave at a frequency that is an integral multiple greater than two of the line frequency, utilizing the pulses at the field frequency to obtain synchronizing pulses of said wave occurring at the same rate and at the same intervals as the pulses at the field frequency, mixing the pulses occurring continuously at the line frequency and the pulses of said wave to obtain a composite synchronizing signal having a component consisting of pulses occurring continuously at the line frequency, and utilizing said composite synchronizing signal for the purpose set forth.

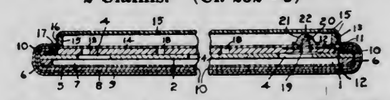
2,249,943
SYNCHRONIZING SYSTEM
Richard L. Campbell, Hasbrouck Heights, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application December 22, 1939, Serial No. 310,591
8 Claims. (Cl. 178—7.5)

1. In a television receiving system, a scanning device for reproducing the transmitted view, means for effecting scanning action of said device in one sense at a given line frequency, means for effecting scanning action of said device in another sense at a given field frequency, means for receiving a composite video and synchronizing signal comprising a continuous train of synchronizing pulses occurring at said given line frequency and mixed with synchronizing pulses of a wave occurring at regular intervals and at a rate corresponding to said given field frequency, said wave being at a frequency substantially greater than said given line frequency, and having a duration greater than the interval between synchronizing pulses that occur at line frequency, means comprising a filter for partial elimination



of said wave and clipping means for removing video signals for separating from said composite synchronizing signal said first-named pulses at said line frequency and applying such separated line pulses to said first-named means to control the same, means comprising said first named filter for partial elimination of the video signal and said line frequency synchronizing pulses, and a filter for substantially complete elimination thereof for selecting from said composite synchronizing signal said pulses of said wave and applying such selected wave pulses to said second-named means to control the same, and means for applying video signals to said scanning device without interruption during successive field periods.

2,249,944
BANK AND MAGAZINE
John V. Cavalero, Bloomfield, N. J.
Application November 7, 1938, Serial No. 239,317
2 Claims. (Cl. 232—5)



1. In a bank and magazine, a bank having a slotted sheet and a back cover and a frame between said sheet and cover, thereby forming a chamber for coins, a magazine and a flexible hinge secured thereto and a metal member having its edges turned over clamping said slotted sheet, said cover and said frame and clamping said flexible hinge under one of said turned over edges, thereby securing said magazine to said bank.

2,249,945
HIGH TENSION FUSE
Kurt Dannenberg, Islington, London, England
Application February 24, 1939, Serial No. 258,274
In Great Britain February 24, 1938
5 Claims. (Cl. 200—131)

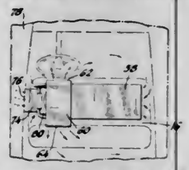
1. A high tension fuse unit comprising a num-

ber of nested supports of refractory, insulating material, ribs or projections on the peripheries of said nested supports and fusible elements tightly wound round said supports to make line or



point contact at said ribs or projections, the supports providing separate independent compartments closed one against the other whereby the dissipation processes occurring when the fuse functions cannot interfere with each other.

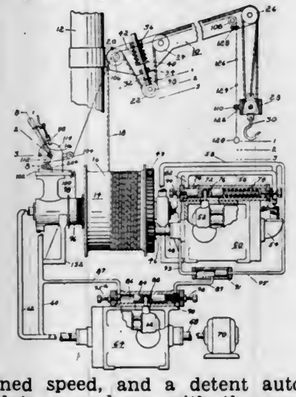
2,249,946
CAR HEATER
Carl W. Darrah and Harold A. Reynolds, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 6, 1939, Serial No. 254,892
4 Claims. (Cl. 98—2)



1. In a motor vehicle having a body including a floor and a seat spaced above the floor, said floor having an opening formed therein under the seat, a casing extending through said opening and below the floor, said casing having passages formed in the top thereof, a heating device located in said casing and spaced from two opposite side walls thereof, a motor driven fan located in said casing and adapted to withdraw cold air from immediately above the floor through said passages, valves located adjacent the passages and adapted to close the latter, said casing having an opening formed therein below the floor through which air from outside the body may be drawn into the casing, a valve adapted to close the opening, means connecting all of said valves together in such manner that as the valves adjacent to the passages are moved toward closed position, the valve adjacent the opening in the casing is moved toward open position so that the proportions of air being drawn into the casing from within and from without the body may be regulated, and a duct located in the space between the seat and the floor and adapted to receive the heated air discharged from the device and to conduct such air into the spaces in front of and behind the seat.

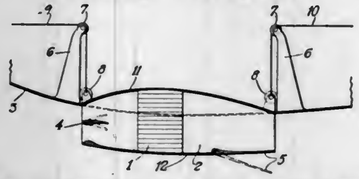
2,249,947
POWER TRANSMISSION
Thomas B. Doe, New York, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut
Application May 2, 1936, Serial No. 77,538
Renewed November 30, 1939
16 Claims. (Cl. 254—172)

2. In a device for pulling on an object while subject to varying external forces counteracting the pull the combination of a winch, variable speed means for driving the winch, automatic means responsive to load on the winch for varying the speed and direction of the driving means to maintain a substantially constant, light load on the winch, means operable for causing the winch to positively haul in the object at a pre-



determined speed, and a detent automatically operated in accordance with the speed of the winch for preventing operation of said means until the speed of the object is equal to the normal hauling in speed.

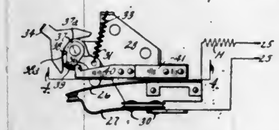
2,249,948
COOLER PLANT FOR AIRCRAFT
Claude Dornier, Friedrichshafen-on-the-Bodensee, Germany, assignor of one-half to Dornier-Werke G. m. b. H., Friedrichshafen-on-the-Bodensee, Germany
Application November 21, 1938, Serial No. 241,551
In Germany, December 15, 1937
7 Claims. (Cl. 244—57)



1. In combination with an aircraft having an outer surface and an opening therein, a cooling plant including a nozzle, a cooler proper located within said nozzle, said nozzle and cooler being retractable from and into said opening, and an air flow control flap member swingably disposed within the air inlet portion of said nozzle and substantially in the direction of the air current in all operating positions thereof for effecting air flow into all of said cooler in fully and in partly retracted position thereof.

2,249,949
SWITCH
William H. Fischer, Des Plaines, Ill., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Original application June 1, 1937, Serial No. 145,819. Divided and this application September 11, 1939, Serial No. 294,351
4 Claims. (Cl. 200—138)

1. A thermal cut-out switch comprising contacts, a member for engaging said contacts with each other, a catch for retaining said member in contact engaging position and a bimetal latch for said catch, said bimetal latch being responsive to heat and operable when so responsive to release said latch from said catch, a releasing device for releasing said latch from said catch, means biasing said contact engaging member to return to non-contact engaging position, a single control means manually operable through a lost motion connection to move said contact engaging member to contact engaging position and said latch to latching position in one position of said control means and to latch releasing position in



another position of said control means, and a latch releasing element interposed between said control means and said latch to effect releasing of said latch by said control means, said latch releasing element being directly connected with said control means, said lost motion connection preventing interference of said catch with the movement of said latch releasing element to released position.

2,249,950
METHOD OF PREPARING LINEAR POLYESTERS
Calvin S. Fuller, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 28, 1938, Serial No. 210,677
8 Claims. (Cl. 260—75)

1. The method of preparing a linear polyester of high molecular weight comprising continuing the esterification of a lower molecular weight linear polyester identical with the polyester produced by the esterification of at least one dihydric alcohol having the following formula in which n_1 is greater than 1:

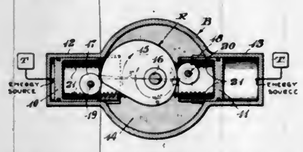
$$HO—(CH_2)n_1—OH$$

with at least one dicarboxylic acid having the following formula in which n_2 is zero or greater than zero:

$$COOH—(CH_2)n_2—COOH$$

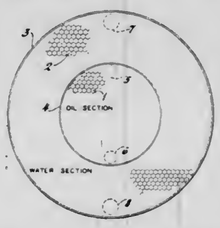
in the presence of a non-oxidizing salt of a heavy metal with a strong mineral acid until a linear polyester is formed having a molecular weight sufficiently high to impart the property of cold drawing.

2,249,951
ENERGY TRANSMISSION MEANS
William H. Fulton, Virginia, Minn., assignor of one-third to M. S. Kingston, one-third to Ernest Metcalfe, and one-third to himself, all of Virginia, Minn.
Application December 4, 1939, Serial No. 307,522
3 Claims. (Cl. 121—120)



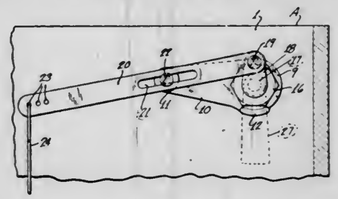
1. A motor comprising a plurality of pistons, for example, in units of four, five or six, mounted for reciprocation in right angling directions radiating from a minimum plurality of centers-in-a-line axis and operative to effect rotation of a plurality of cams integral with shafts, a plurality of cylinders cooperating respectively with said pistons, cam surfaces having a power stroke portion, means for associating units of four (or five or more if more composes a unit from one explosion) of said pistons with said power stroke portion, the contour of said power stroke portion being such as to effect application of maximum leverage toward rotation of one shaft called main shaft, through connection by belting or other suitable means with each of the four or more integral shafts and cams associated with their respective cylinders or cylinder, pistons and rollers during the substantial initial portion of piston stroke and gradually diminishing leverage during 150° of effective torque related to said piston stroke.

2,249,952
HEAT EXCHANGER
George W. Gerstung, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 29, 1940, Serial No. 321,475
3 Claims. (Cl. 257—128)



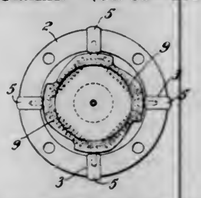
1. A multiple-unit heat-exchanger comprising concentric fluid containing units, a heat-transmitting partition between adjacent units constituting a common wall in contact on opposite sides with the contained fluids of said adjacent units, parallel heat-dissipating passages through the fluid containing space of said units, and a separate inlet and outlet for each of said units, whereby each unit may be connected with a separate heat-exchange system.

2,249,953
VALVE OPERATING MECHANISM
Benjamin O. Graham, St. Louis, Mo.
Application March 31, 1941, Serial No. 386,104
4 Claims. (Cl. 4—67)



1. A flush tank valve-operating mechanism including, in combination, a fitting adapted for mounting upon a wall of the tank, an actuating member journaled on the fitting, and a lever adapted for mounting slidably and rockably on the tank and connected for rocking and shifting actuation to the actuating member.

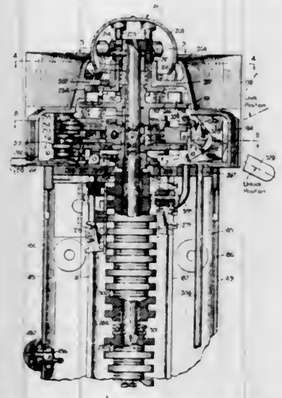
2,249,954
GAUGE FOR MEASURING AND CHECKING DIMENSIONS AND FORMS
Helge Hellberg and Harold James Haycock, Coventry, and Cyril Loose Hellberg, Lichfield, England
Application August 2, 1940, Serial No. 349,812
In Great Britain August 28, 1939
10 Claims. (Cl. 33—178)



1. A gauge comprising a body formed with a radial slot; a gauging element slidably mounted for radial movement in said slot; manually operative means disposed concentrically with relation to said body and movable relative thereto and provided with a supporting portion, a release portion, and an intermediate cam portion; and retracting means acting on said element and causing radial movement of the latter toward said release portion when said release portion is brought into radial registry with said element; said supporting portion extending axially parallel to the axis of said body and being concentric with said axis and in contact with the adjacent end portion of said element in the normal gauging position of the latter; said release portion being radially more remote from the opposed face portion of said body than is said support portion and so formed as to permit said element to be moved radially by said retracting means into retracted non-gauging position when said release portion is moved into radial registry with said element; and said cam connecting said supporting and release portions and engaging the adjacent opposed end portion of said element and serving to force the latter radially in said slot when said manually operative means is moved in the proper direction to move said supporting portion into contact with said element when the latter has been forced radially to its extreme extended gauging position by said intermediate cam portion.

2,249,955
BRAKING AND PROPULSION CONTROLLER
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application July 28, 1939, Serial No. 287,083. Divided and this application January 27, 1940, Serial No. 315,923
24 Claims. (Cl. 192—2)

1. A controller device comprising a rotary operating shaft, an element fixed for rotation at all times with said shaft and adapted to be moved slidably along said shaft in an axial direction, said element having a portion projecting radially from said shaft, a pair of fixed stop members arranged in spaced angular relation, means formed on the projection of the said element for engaging one of said fixed stop members to limit the rotary movement of said shaft in one direction and for engaging the other of said stop members for limiting the rotary movement of the shaft in the opposite direction, resilient means for biasing the said element in an axial direction along the shaft to a certain position, an operating handle secured to the said shaft in a manner to rotate the shaft to different operating positions thereof and to shift the said element axially against the force of said biasing means to a second position upon the manual application thereto of a force in opposition to said biasing means,



and a switch device having a switch operating arm cooperating with the projection on said element whereby operation of said switch device is effected in response to axial movement of said element along said shaft.

2,249,956
DOUBLE SALTS OF WATER-SOLUBLE DERIVATIVES OF INSOLUBLE AZO DYESTUFFS
Johannes Heyna, Frankfort-on-the-Main, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 14, 1939, Serial No. 279,044. In Germany June 16, 1938
5 Claims. (Cl. 260—146)

2. The double salts of water-soluble derivatives of azo-dyestuffs insoluble in water corresponding with the following general formula:

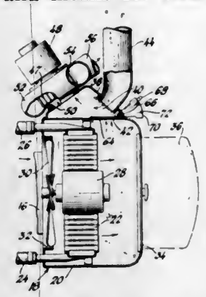
$$[R_1\text{-}(O\text{-}R_2\text{-}Py)_2].MeCl_2$$

wherein R_1 stands for the radical of a water-insoluble azo-dyestuff of the 2.3-hydroxynaphthoic acid arylide series, R_2 represents the radical of an organic acid containing at least one group capable of forming a water-soluble pyridine compound, Py means a pyridine radical, and Me stands for a member of the group consisting of Zn, Cd, Co and Mn, being uncolored crystallized substances which are very readily soluble in water.

2,249,957
VEHICLE HEATING AND VENTILATING APPARATUS
John Ralph Holmes, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 30, 1938, Serial No. 216,699
2 Claims. (Cl. 98—2)

1. A heating and ventilating apparatus for an automobile, comprising a heat exchange member, a fan adapted to force air through said heat exchange member into the body compartment of the automobile for heating the latter, a chamber located adjacent to the heat exchange member, a passageway connecting the chamber with the heat exchange member, a second passageway leading from the outside of the body compartment to said chamber, a blower adapted to withdraw air from said chamber and to discharge

such air into the body compartment for ventilating the latter, and means for closing or par-



tially closing either the first or the second of the passageways leading into the chamber.

2,249,958
BOAT HULL
John Walter Inwood, McGill, Nev.
Application August 24, 1939, Serial No. 291,777
7 Claims. (Cl. 114—56)



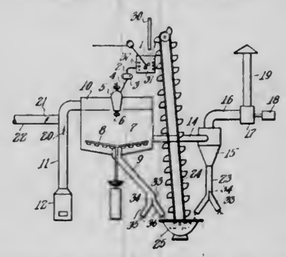
1. A boat hull having a keel and chines, sides extending above the chines, the keel sloping gradually downward from the bow to the stern portion of the hull, a bottom for the hull extending between the chines and the keel forwardly from about midships of the hull and extending from chine to chine above the keel rearwardly from about midships of the hull, a line established on the bottom of the boat on each side of the keel from points about midship of the hull adjacent each chine and extending aft to a point on the longitudinal center line of the bottom near the stern where said lines meet, and surfaces extending upwardly from the keel to said lines, whereby a gradually aftwardly declining fin is formed on the bottom of the hull which is V-shaped in plan and in cross section.

2,249,959
INSULATED ELECTRICAL CONDUCTOR
Vaughn L. Johannessen, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application September 15, 1938, Serial No. 230,030. Divided and this application August 5, 1939, Serial No. 288,475
1 Claim. (Cl. 174—121)



In an insulated electrical conductor, a conductive strand, and a seamless sheath thereover comprising fibers of paper pulp material felted together, each fiber of the felted material having an individual coating of a condensation product of cashew nut oil substantially covering the surface of the fiber without entering materially into the substance of the fiber.

2,249,960
MANUFACTURE OF DRIED GRANULAR SOLIDS
Arthur B. Jones, New York, N. Y., assignor to Industrial Associates, Inc., New York, N. Y., a corporation of New York
Application July 9, 1938, Serial No. 218,349
1 Claim. (Cl. 252—367)



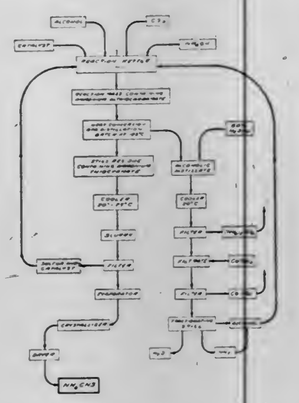
The method of producing granular soap which comprises downwardly directing a stream of hot gases, forming a fluid mixture of kettle soap and granular soap, centrifugally spraying said mixture into the upper end of said stream and thereby producing granular soap by spray drying, utilizing the spray dried product as the granular soap ingredient of said mixture in proper ratio that the mixture has such content of soap as will yield by flash drying a granular soap having a mass density not less than .3 and limiting the ingredients of said mixture to kettle soap and the granular soap produced by spray drying said mixture.

2,249,961
FOUNTAIN PEN
Márton Kálmán, Budapest, Hungary
Application February 17, 1939, Serial No. 256,879
In Austria February 25, 1938
3 Claims. (Cl. 120—46)



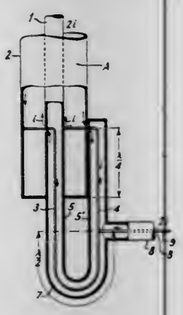
1. In a fountain pen, a protective cap, and suction producing means arranged in said cap and comprising a rigid suction-tube secured within said cap, a peripheral flange on said tube, a hose airtightly fitted with one end upon said tube, a rigid stopper airtightly closing the other end of said hose and having a peripheral flange, a helical spring inserted between said two flanges and surrounding and tending to extend said hose, and means for reciprocating said stopper in the longitudinal direction of said hose.

2,249,962
PREPARATION OF AMMONIUM THIOCYANATE
Louis L. Lento, Jr., Stamford, and David W. Jayne, Jr., Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application January 27, 1940, Serial No. 315,892
3 Claims. (Cl. 23—75)



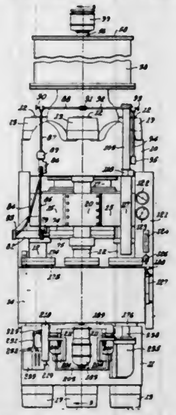
1. A method of making ammonium thiocyanate which includes the steps of reacting carbon bisulfide and ammonia in the presence of a reaction diluent comprising an aliphatic alcohol which will solubilize the carbon bisulfide and a catalyst chosen from the group consisting of a fatty acid and the ammonium salts thereof, and heat-converting the dithiocarbamate to thiocyanate.

2,249,963
IMPEDANCE TRANSFORMATION MEANS
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 15, 1939, Serial No. 304,573
16 Claims. (Cl. 178—44)



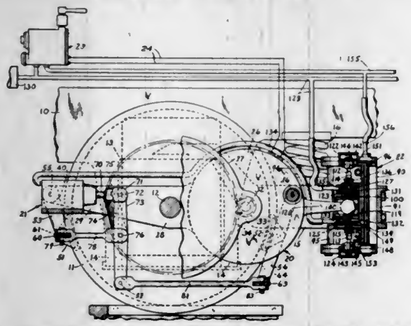
1. The method of matching the impedance of one transmission line to another which comprises coupling a plurality of short sections of transmission lines in a series relationship to one of said lines and in a parallel relationship to the other of said lines.

2,249,964
ELECTRICALLY CONTROLLED HYDRAULIC TURRET PRESS
Philip J. Lindner, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application August 16, 1938, Serial No. 225,250
27 Claims. (Cl. 78—42)



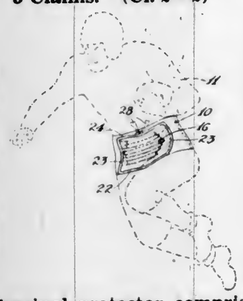
1. In combination in a press, a frame, a work-holding turret rotatably mounted in said frame, a movable pressing plunger, a horizontally reciprocable die carrier carrying a plurality of dies and being operable in response to a predetermined point of travel of said plunger, and means for rotating said turret into successive working positions before said plunger, said die carrier being operable independently of said turret.

2,249,965
BRAKE SYSTEM
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 30, 1940, Serial No. 327,028
9 Claims. (Cl. 303—3)



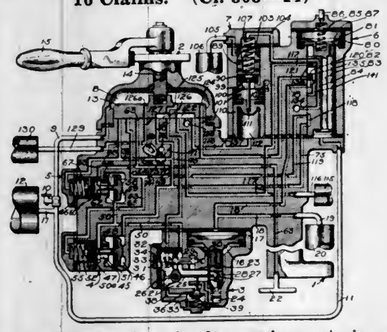
1. In a brake controlling system for a vehicle of the type equipped with dynamic braking means and fluid pressure braking means, in combination, a control pipe, brake controller means manually operable to initiate operation of said dynamic brake while effecting an increase in the pressure of fluid in said control pipe to a value corresponding to the selected degree of application of the brakes, brake controlling valve means subject to the pressure of fluid in said control pipe for controlling the supply and release of fluid under pressure to and from said fluid pressure brake means, and a brake carrier member pivotally mounted on the vehicle and operatively responsive to the braking torque produced by operation of said dynamic brake means, said member being constructed and arranged to prevent operation of said brake controlling valve device to supply fluid under pressure to said fluid pressure brake means during the initial stages of operation of said dynamic brake means.

2,249,966
ABDOMINAL PROTECTOR
William B. Matthews, Irvington, N. J.
Application October 19, 1939, Serial No. 300,133
5 Claims. (Cl. 2—2)



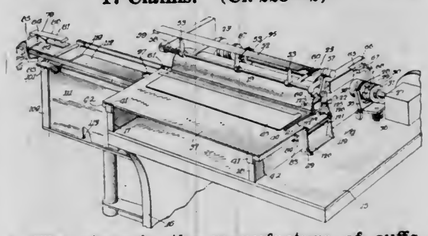
3. An abdominal protector comprising a band adapted to be worn on the abdominal area, a protective panel marginally secured to said band, said panel comprising a plurality of rib members secured to said band in a horizontal, close, substantially continuous articulated arrangement, presenting a substantially continuous, articulated panel for the protection of the abdominal area, and an impact absorbent pad secured to said band in registry with said panel.

2,249,967
AUTOMATIC TRAIN BRAKE CONTROL APPARATUS
Glenn T. McClure, McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 29, 1940, Serial No. 321,511
16 Claims. (Cl. 303—14)



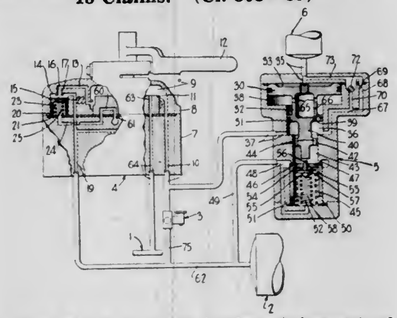
1. In a locomotive brake equipment, in combination, a brake pipe, a brake valve device for supplying fluid under pressure to said brake pipe, an equalizing reservoir, a valve mechanism controlled by the opposing pressures in said equalizing reservoir and brake pipe and operative upon a reduction in equalizing reservoir pressure below brake pipe pressure to effect a corresponding reduction in brake pipe pressure and operative to supply fluid under pressure to said brake pipe if brake pipe pressure reduces below that in said equalizing reservoir, valve means controlling communication through which fluid is adapted to be supplied from said brake valve device to said brake pipe but not from said mechanism to said brake pipe and operative upon an unfavorable track signal to close said communication and to effect a reduction in equalizing reservoir pressure, and other valve means controlling communication through which fluid is adapted to be supplied from said valve mechanism to said brake pipe and conditionable manually to close same.

2,249,968
CUFF MAKING METHOD AND APPARATUS
John I. McDonald, Chicago, Ill., assignor to Progress Specialty Company, Chicago, Ill., a corporation of Missouri
Application June 13, 1938, Serial No. 213,374
17 Claims. (Cl. 223—2)



1. The steps in the manufacture of cuffs or the like which comprise assembling two plies of material face-to-face with their peripheries approximately registered with each other and a ply of lining material with one edge spaced from an edge of the two-ply assembly, whereby a marginal portion of said two-ply assembly extends beyond said edge of the lining strip, then while maintaining the assembled relation of said two plies and lining strip, simultaneously effecting folding of said marginal portion of one ply around said edge of the lining strip and rearwardly thereover and folding of the other ply outwardly and rearwardly about a line of fold substantially coincident with the line of fold of said first mentioned ply, and then pressing said folds to maintain said marginal portions in folded condition.

2,249,969
BRAKE CONTROL MEANS
Charles H. McKinstry, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 28, 1940, Serial No. 326,355
18 Claims. (Cl. 303—59)



1. In a fluid pressure brake equipment of the

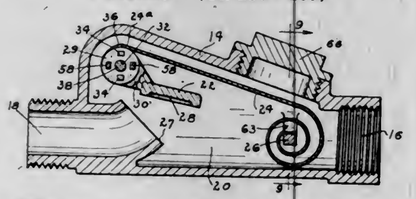
type having a brake pipe which, when the equipment is being charged with fluid under pressure, may be charged at the front end to a pressure higher than that normally carried, which pressure, due to the flow of fluid toward the rear end of the equipment, tends to reduce suddenly at the front end of the equipment, in combination, a valve operative to supply fluid under pressure to the brake pipe to insure a gradual reduction in the higher than normal brake pipe pressure, and means responsive to the reduction in brake pipe pressure for actuating said valve.

2,249,970

THERMOSTATICALLY CONTROLLED SAFETY VALVE

Frank McKune, Seattle, and Carl Bergh, Stanwood, Wash.; said Bergh assignor to said McKune

Application April 24, 1939, Serial No. 269,744
7 Claims. (Cl. 137—139)



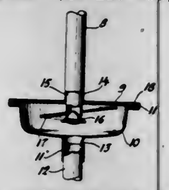
1. The combination with a housing having inlet and outlet ports for fluid under pressure, of a valve clapper for the outlet port having a hub pivotally supported in the housing above the outlet port, an element of thermostatically actuated material in said housing spaced from the valve and having an expansible extension with its free end resting on said hub, and a lug on the hub forming an abutment for the free end of the extension, and means on said hub for dislodging said extension from abutment with the lug when the element and its extension are expanded by contact with fluid of a pre-determined temperature.

2,249,971

COOLING SYSTEM PRESSURE RELIEF DEVICE

David B. Mecorney, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 31, 1939, Serial No. 265,111
1 Claim. (Cl. 137—53)



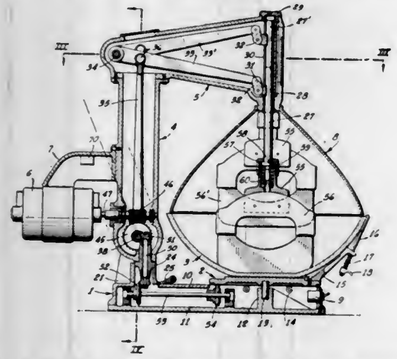
For use with a cooling liquid circulating system having a vent to atmosphere, a vent valve including a pair of complementary sheet metal stampings peripherally joined to afford a hollow cage open to atmosphere, a vent coupling conduit projecting through the wall of one of said stampings and terminating in a plane beyond said joint, a self-centering valve button to seat on the end of the conduit and to be unseated for the relief of internal pressure, and a volute spring formed with its convolutions initially in a common plane and arranged with its peripheral portion clamped within the joint between said stampings and its free central portion normally seating said valve button under initial spring stress.

2,249,972

FOOD PREPARING DEVICE

Elsie Meyer and John Braunwalder, Los Angeles, Calif.; said Braunwalder assignor to said Meyer

Application October 21, 1940, Serial No. 362,000
7 Claims. (Cl. 146—69)



1. A portable food preparing device comprising: a base, a bowl support on said base, a drive housing on said base mounted for pivotal movement about a horizontal axis, said drive housing extending above said bowl support, a pair of laterally spaced vertically reciprocable actuating rods in said housing above said support, a drive shaft in the lower portion of said housing, means for translating rotation of said shaft into reciprocating action of said actuating rods, a motor operably connected to said shaft, and releasable locking means carried by the base for holding said drive housing in operative position.

2,249,973

PRODUCTION OF STABLE LEUCO COMPOUNDS OF ANTHRAQUINONE VAT DYESTUFFS

Joachim Mueller and Wilhelm Muenster, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application July 21, 1939, Serial No. 285,676. In Germany July 23, 1938
7 Claims. (Cl. 260—691)

1. A process of producing stable leuco compounds of anthraquinone vat dyestuffs which comprises treating leuco compounds of anthraquinone vat dyestuffs in the aqueous vat with an acylating agent selected from the class consisting of organic aromatic acid dihalides and organic aromatic inner sulphonic acid-carboxylic acid anhydrides.

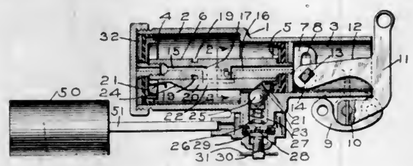
2,249,974

FLUID PRESSURE MOTOR DEVICE

Anselme Neveu, Livry-Gargan, France, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 23, 1939, Serial No. 310,801
In France May 31, 1939
18 Claims. (Cl. 121—123)

16. A fluid pressure motor device comprising a chamber, two pistons, a stem connecting said pistons and adapted to reciprocate in accordance with variations in fluid pressure in said chamber, a valve member controlled by said pistons movable between two positions for effecting the variations of fluid pressure in said chamber, means for moving said valve member relative to the pistons and stem for effecting a variation in pressure in said chamber to effect reverse movement of the pistons, means associated with said pistons for rendering said valve member either operative or inoperative to effect reverse movement of said pistons, and spring means for controlling said means.

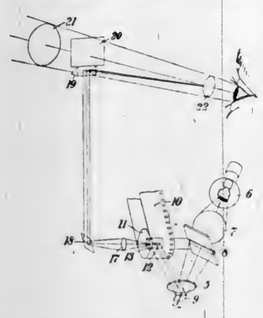


2,249,975

APPARATUS FOR INDICATING THE AMPLITUDE OF THE SOUND RECORD MADE BY A SOUND-FILM CINEMATOGRAPH CAMERA

Hans Friedrich Nissen, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application October 14, 1938, Serial No. 234,926
In Germany October 25, 1937
1 Claim. (Cl. 88—16.2)



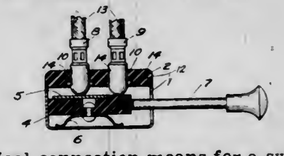
A combined motion picture camera and sound recording apparatus working according to the variable area system, comprising in combination means for throwing a beam of light of an illuminated slit controlled by the frequency and amplitude of the sound oscillation to be recorded on to a slitted screen situated in front of the sound recording portion of a motion picture film, a prism arranged adjacent to said screen in a position before the image of said slit formed by a lens so as to be struck by a part of the recording light normally screened off from said recording portion, the rear surface to said prism being in a position where there is formed an image of said slit and being silvered and adapted to reflect the light falling thereon onto the opposite surface of said prism, said opposite surface being divided into three differently colored parts, whereby on lateral movement of the light beam entering the prism different parts of said opposite surface are penetrated by the reflected light and give to said light different characteristic colors, and reflecting means adapted to throw said colored light into the picture field of the view finder of said motion picture camera.

2,249,976

ELECTRICAL CONNECTION MEANS

Charles S. Penfold, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan

Application February 3, 1938, Serial No. 188,432
11 Claims. (Cl. 200—163)



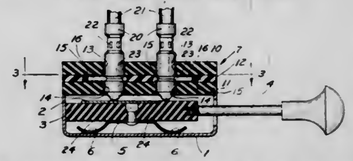
1. Electrical connection means for a switch including in combination, an insulator and a rigid plug conductor terminal, an aperture extending through said insulator, cooperating means provided on said insulator, projection means provided on said terminal adapted to connect with said cooperating means when said terminal is rotatably arranged in said aperture, and separate insulating means engaging said insulator spaced from said cooperating means and engageable with said projection means for predetermining the location of said projection means with respect to said cooperating means when the terminal is being assembled with said insulator.

2,249,977

ELECTRICAL CONNECTION MEANS

Charles S. Penfold, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan

Continuation of application Serial No. 188,431, February 3, 1938. This application December 5, 1939, Serial No. 307,701
5 Claims. (Cl. 200—163)



1. A switchback comprised of a plurality of superimposed members, an aperture provided in an intermediate member, and an aperture provided in each of the outer members cooperating with the aperture in said intermediate member, detent means arranged entirely within the aperture provided in said intermediate member, a plug conductor terminal of the snap type projecting through said apertures with the detent means functioning to retain said terminal in a predetermined position with its forward end extending beyond one of the outer members.

2,249,978

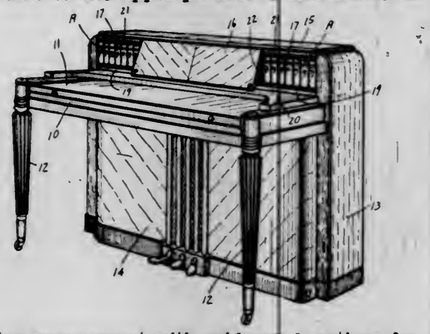
REVERSIBLE FRONT PANEL FOR PIANOS AND THE LIKE

John Pfaff, Sycamore, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation

Application July 3, 1940, Serial No. 343,676
4 Claims. (Cl. 84—177)

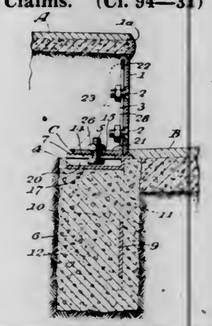
1. A decorative front panel for pianos, organs and the like having a vertical frame embracing a pair of openings extending between the piano keyboard and top lid, a reversible panel section adapted to fit into each of said openings and provided with different decorative surfaces on opposite sides thereof, a pair of hinged holding bars pivotally connected at their lower ends to

the bottom portion of said frame, and a latch operable to releasably secure the upper ends of said bars to the upper portion of said frame in



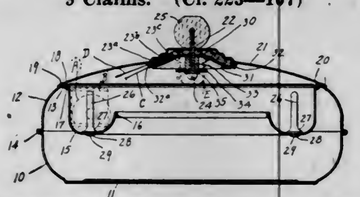
holding engagement with said panel sections for removably securing them within the frame with the selected one of the decorative surfaces exposed through the openings therein.

2,249,979
CURB CONSTRUCTION
James W. Reardon, Boston, Mass.
Application September 22, 1939, Serial No. 296,079
9 Claims. (Cl. 94—31)



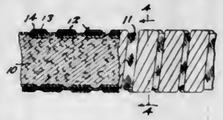
1. A curbing construction for highways and the like having a series of panels and a series of adjustable supporting members therefor each comprising an anchor member and a brace member, one portion of said anchor member forming at least one post, and another portion thereof forming a supporting table for said brace, said table having a serrated top surface adapted to grip the base portion of said brace, a channel groove, and a bolt adapted to slide in said channel groove and to project through said groove to connect said anchor member and said brace member.

2,249,980
UNIVERSAL SEWING KIT
James H. Reichart, Muncie, Ind.
Application August 20, 1938, Serial No. 225,893
9 Claims. (Cl. 223—107)



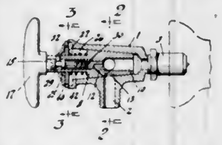
1. In a sewing box, the combination of an open mouth sewing accessory container, a hollow tray seatable therein and supported solely at its outer edge by the mouth edge, and a cover therefor supported solely at its edge by the outer edge of the tray, the tray being of depressed character and nestable in the container.

2,249,981
PACKING FOR STUFFING BOXES AND THE LIKE
Chester M. Roe, Hasbrouck Heights, N. J.
Application June 15, 1939, Serial No. 279,310
2 Claims. (Cl. 288—12)



1. In a packing of the character described, an annular plastic fibrous body of rectangular form in cross sectional configuration, a porous flexible tubing encasing the body and a flattened metallic sheathing strip consisting of a stranded asbestos core and a metal foil covering surrounding the core, said sheathing strip being spirally arranged upon the flexible tubing with the portions of adjacent convolutions thereof on the outer periphery of the tubing disposed in spaced relation for exposing the porous tubing between the adjacent convolutions on the said outer periphery, and with the portions of adjacent convolutions thereof on the inner periphery of the tubing disposed in abutting relation to provide a continuous smooth metallic inner peripheral surface.

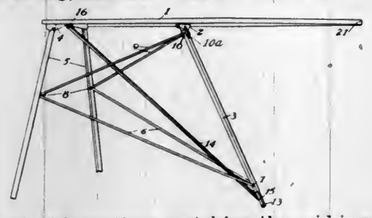
2,249,982
VALVE
Francis H. Rutherford and Ernest B. Whitmarsh, Detroit, Mich., assignors to Detroit Brass & Malleable Works, Detroit, Mich., a corporation of Michigan
Application July 12, 1940, Serial No. 345,108
4 Claims. (Cl. 277—53)



1. A gas cock comprising, a valve body having an inlet and an outlet, a valve member turnable in the body and having a main passageway for connecting and disconnecting the inlet and outlet, and having a second passage for registry with the inlet, a stem of hollow formation on the valve member including a hollow axially extending part communicating with the outlet and with the second passage, a tapered seat in the hollow formation adjacent said part, an axial plug member in the stem and having a tapered portion fitting on said seat to provide a gas seal, said plug member having an eccentric portion positioned in said part, and the plug member being turnable to shift the eccentric part relative to the second passage for controlling a flow area of gas therethrough.

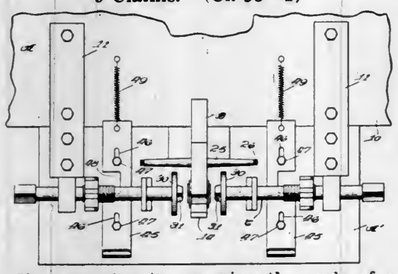
2,249,983
FOLDING IRONING TABLE
Charles W. Sadenwater, Saginaw, Mich., assignor to Saginaw Manufacturing Co., Saginaw, Mich., a corporation of Michigan
Application March 15, 1939, Serial No. 261,897
2 Claims. (Cl. 38—117)

1. An extension device for the hinged front leg of a folding ironing table, comprising in combination, an extension member associated telescopically with the free end of said front leg and comprising a parallel sided portion and a portion tapered inwardly toward the free end of the front leg, said leg being provided adjacent its



free end with portions matching the said inwardly tapered portion of the extension member, a hinge located on the table rearwardly of the front leg hinge, a diagonal brace having an end secured to said rear hinge, the other end of said brace being pivotally connected to said extension member.

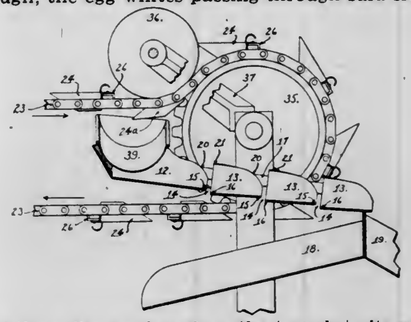
2,249,984
SWAGING APPARATUS FOR CORES AND SPOOLS
John B. Seever, Oak Park, Ill., assignor to William F. Stahl
Application October 4, 1940, Serial No. 359,807
9 Claims. (Cl. 93—1)



1. In apparatus for swaging the ends of cores to lock flanges permanently thereon, a frame, a core support receiving the body portion of the core but leaving free the flange-carrying end portions, a pivotally mounted clamp above said support and adapted to confine the core thereon, slidably mounted plungers aligned with said core on opposite sides of said support, swage heads having enlarged rear portions carried by said plungers and adapted to enter said cores and press outwardly the end edge portions thereof, and means for bringing said heads into engagement with said cores and simultaneously moving said clamp to confining position and for simultaneously retracting said plungers and moving said clamp to non-confining position.

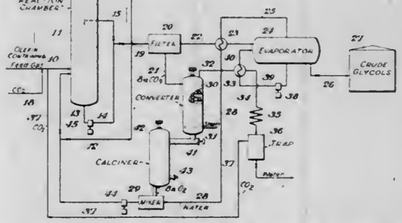
2,249,985
EGG SEPARATOR
Laurence M. Sigler, St. Louis, Mo., assignor of one-third to Kathryn B. Gill, and one-third to James C. Gill, both of San Francisco, Calif.
Application October 30, 1939, Serial No. 301,988
8 Claims. (Cl. 146—2)

1. A separator for whole egg contents comprising a trough formed of a plurality of successive sections separated by intervening slots, each section having a transversely curved bottom and upstanding sides, the sides and bottom of each section being in substantial alignment with the sides and bottom of the adjacent sections, means for causing the egg contents to flow along said trough, the egg whites passing through said slots



and the yolks passing along the trough to its end, means beneath the trough for receiving the whites from said slots, and other means for receiving the yolks from the end of the trough.

2,249,986
MANUFACTURE OF GLYCOLS
Frank J. Smith, Baltimore, Md., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 25, 1938, Serial No. 215,744
7 Claims. (Cl. 260—635)



1. The process of making glycols from olefin gases which comprises mixing said gases with carbon dioxide, contacting said gas mixture with a solution of barium peroxide whereby said olefins are converted into glycols and barium carbonate is formed, removing the barium carbonate from the glycol solution, converting the barium carbonate to barium oxide and then converting the barium oxide to barium peroxide and recycling said barium peroxide to said contacting step.

2,249,987
MANUFACTURE OF DERIVATIVES OF ARYL SUBSTITUTED MONO-OLEFINS
Herbert Muggleton Stanley, Tadworth, and John Blair Dymock, Tonbridge, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application August 1, 1938, Serial No. 222,532. In Great Britain August 9, 1937
5 Claims. (Cl. 260—671)

1. The process for the manufacture of derivatives of aryl substituted mono-olefins which comprises polymerising a pure hydrocarbon derivative of monostyrene in which the substitution has occurred in the aromatic nucleus or in the α-position of the unsaturated side chain, using as catalyst a substance taken from the group consisting of aqueous sulphuric acid of from

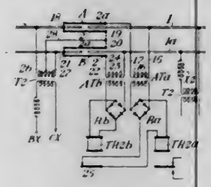
70–90% concentration and sulphuric acids substituted by alkyl and sulphuric acids substituted by aryl, and maintaining a temperature ranging between 0° C. and 40° C., whereby products are obtained which impart very low power factor characteristics and enhanced insulating characteristics to electrical insulation impregnated therewith.

2,249,988
MACHINE FOR HANDLING THREAD
Frederick W. Thomas, Englewood, N. J., assignor to The Clark Thread Company, Newark, N. J., a corporation of New Jersey
Application October 6, 1938, Serial No. 233,588
2 Claims. (Cl. 242—37)



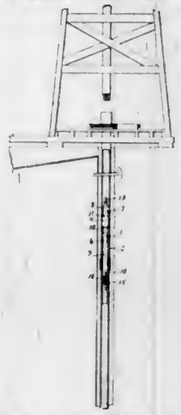
1. In a machine of the class described, means for supporting a beam with a multiplicity of ends wound thereon, a bank of winding mechanisms, one mechanism for each of said ends, means to separate said ends into a plurality of vertically spaced rows, panels spaced lengthwise of said bank and having guides for certain of said ends, each successive panel having guides for one less row of ends than the preceding panel, guides between each two panels to guide the ends in the bottom row at that location to a section of winding mechanisms, means to operate said mechanisms, a tension responsive device engaging each end in said bottom row, and means arranged to cooperate with any one of said devices to stop operation of said mechanisms.

2,249,989
TRACK CIRCUIT APPARATUS
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 30, 1939, Serial No. 297,389
7 Claims. (Cl. 246—34)



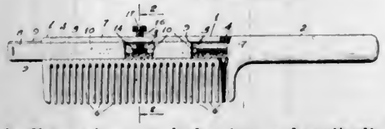
7. In combination, a stretch of railway track divided into adjoining track sections by means of an insulated rail joint in each rail of said track, each said insulated rail joint comprising a conducting bar on each side of the rail separated therefrom by insulation, a detection relay for each of said rail joints, and means for energizing said two detection relays from the rails of one of said sections over a circuit which includes said conducting bars and the input windings of two transformers, one for each relay, all connected in series, whereby a breakdown of the insulation between a conducting bar and a rail of said one section will cause the input winding of one of said transformers to become short-circuited to thereby release the associated detection relay and whereby a defect in said circuit will cause both detection relays to release.

2,249,990
MEANS FOR CONTROLLING THE FLUID LEVEL IN A DRILL STRING
Robert E. Tinsley, Ventura, Calif.
Application April 1, 1939, Serial No. 265,408
7 Claims. (Cl. 255—1)



1. In a drilled well, the combination of a tubular tool string carrying mud with a weighted piston filling the bore of the tool string freely movable within the same and resting on the mud, said piston operating by its own weight to depress the mud level within the tool string, and also operating to wipe the mud from the interior of the tubing when the same is being pulled; and automatic means for catching the piston in the tool string brought into action by a break in the tool string when the break arrives at the piston.

2,249,991
DISPENSING COMB
Vladimir N. Trutneff, San Francisco, Calif.
Application November 12, 1940, Serial No. 365,282
2 Claims. (Cl. 132—13)

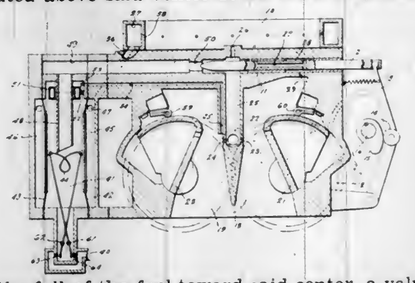


1. A dispensing comb having a longitudinally disposed chamber within and extending the length of the back of said comb and having one side of said chamber open throughout the length thereof, said comb being further provided with tubular teeth communicating with said chamber; a cover slidably mounted on said comb to close said chamber; a plunger slidably mounted within said chamber; and a screw detachably engaging said plunger and extending exteriorly of said chamber to move said plunger to dispense contents from said chamber.

2,249,992
FUEL SUPPLY CHAMBER
Stanley M. Udale, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application June 17, 1939, Serial No. 279,643
1 Claim. (Cl. 261—72)

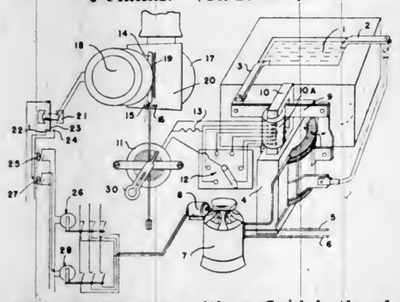
In combination with a carburetor having a mixing chamber, a throttle valve, a mixture outlet and a normally closed fuel supply chamber controlled by a movable wall, a fuel mechanism

adapted to limit the head of fuel in said chamber, a fuel discharge passage having an entrance located substantially at the center of said supply chamber, a vapor outlet leading out of the upper portion of said chamber, both of said passages being adapted to discharge into said mixing chamber, a float in said fuel supply chamber located above said center so as to be responsive



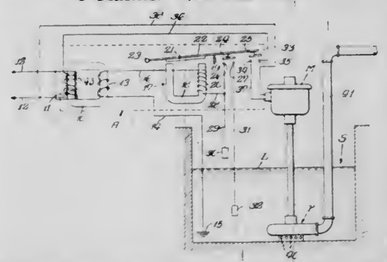
to the fall of the fuel toward said center, a valve connected to said float, said valve being adapted to open said vapor outlet passage when the level in said fuel supply chamber falls toward said center and to close the passage whenever the fuel rises considerably above said center and a passage connecting the vapor outlet with the mixture outlet.

2,249,993
APPARATUS FOR CONTROLLING THE TEMPERATURE OF FLUID BATHS
Richard C. Upton, Mount Clemens, Mich., assignor of one-half to Commerce Pattern Foundry & Machine Company, Detroit, Mich., a corporation of Michigan
Application May 1, 1939, Serial No. 271,129
2 Claims. (Cl. 13—24)



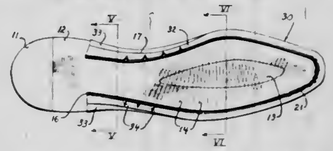
1. The combination with a fluid bath of the type in which electrical conductivity increases with temperature, and means for supplying electrical energy thereto to internally heat the same, of means responsive to variations in current, incident to changes in the bath from a predetermined normal temperature and consequent changes in electrical conductivity for varying the voltage impressed upon the electrical energy supplying means to vary the current so as to substantially maintain the normal temperature, independent adjustment means for selectively changing the current value at which the aforesaid means is non-responsive, and automatic timing means operable on the introduction of work into the bath for first effecting said change in value and subsequently restoring the normal value, whereby the total increase of heat generating energy put into the bath is substantially equal to that absorbed by the work in raising the temperature thereof to said predetermined normal temperature.

2,249,994
RELAY DEVICE
Charles Fredericks Warrick, Detroit, Mich., assignor of one-half to Imperial Brass Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application May 18, 1938, Serial No. 208,728
5 Claims. (Cl. 103—25)



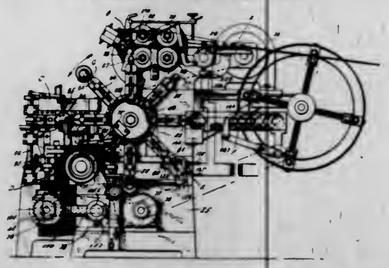
3. In a liquid level control device including a container for liquid, a pump and an electric motor for driving said pump having connections to a continuous source of alternating current, the combination of an electric control for the motor operable by the liquid comprising a transformer having a closed magnetic core adapted to have the primary side permanently connected to said continuous source of alternating current for continuously exciting an alternating current in a secondary coil, a ground connection for one end of the secondary coil, a relay device comprising a separate intermittently closed magnetic core bearing a coil of wire having one end connected to another end of the secondary coil and an armature having a motor switch for controlling actuation of the motor, a holding circuit connected to the other end of the relay coil including a holding switch actuated by said armature and a pair of electrodes connected respectively with opposite holding switch points and suspended independently in the container at different levels, the upper of said electrodes being directly connected with the secondary transformer coil through the relay and operable when contacted by the liquid to complete the circuit through the relay causing actuation thereof to operate the switches, the lower of said electrodes being operable to maintain the relay circuit closed as the liquid lever lowers below the upper liquid level until the lowering of said level breaks the electric connection with the lower of said electrodes.

2,249,995
INSOLE CONSTRUCTION
John Joseph White, Chicago, and Harold M. Florsheim, Highland Park, Ill., assignors to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application October 28, 1939, Serial No. 301,704
9 Claims. (Cl. 12—146)



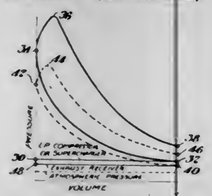
5. An insole comprising an insole proper feathered exclusively in the shank part and having a depending marginal lip, and a backing covering said lip to form, jointly with the latter, a depending marginal rib.

2,249,996
SPRING-FORMING MACHINE
William E. Wunderlich, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana
Application February 16, 1940, Serial No. 319,301
13 Claims. (Cl. 140—101)



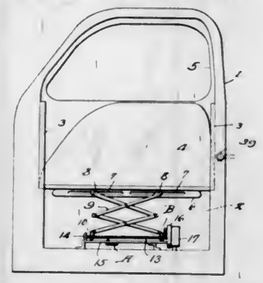
1. In a machine of the type described, a rotatable spring-carrier having an annular series of equally spaced radiating arms each equipped at its outer end with spring-gripping jaws, spring winding mechanism and two stationary knotters disposed at stations spaced about the axis of said carrier, means for intermittently rotating said carrier to convey springs gripped in said jaws from said winding mechanism successively to the first knotter, to the second knotter, and to a discharge station located between the second knotter and said winding mechanism, said knotters being disposed on opposite sides of the path of travel of springs carried by said carrier and far enough removed therefrom to clear such springs as the carrier moves, means associated with said two knotters for bodily moving carrier-arms thereat axially in opposite directions to bring the springs carried by said arms into operative relation with said knotters respectively, and mechanism operative in timed relation with said carrier for closing the jaws on the arm at said winding mechanism as such mechanism completes the winding of a spring, for maintaining the jaws closed until the discharge station is reached, and for thereupon opening the jaws.

2,249,997
INTERNAL COMBUSTION METHOD
Johann J. Wydler, Westfield, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application November 12, 1938, Serial No. 240,013
11 Claims. (Cl. 123—1)



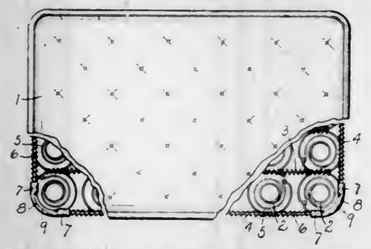
1. In an internal combustion operating cycle developing two fuel intake periods, two air compression periods, two power strokes and two gas exhaust periods in a cycle of six piston strokes, the steps comprising introducing air for combustion in the second power stroke into the combustion end of a cylinder during the first part of the air intake stroke, during the second part of the air intake stroke introducing a preformed mixture of air for the first power stroke together with the fuel for the first power stroke and at the end of the first power stroke separating gaseous products of combustion produced thereby from the air for the second power stroke.

2,249,998
WINDOW OPERATING MECHANISM
John Amundson, Faulkton, S. Dak.
Application January 25, 1939, Serial No. 252,823
1 Claim. (Cl. 268—124)



In a vehicle construction, a panel having a recess therein and also having an opening therethrough, a window slidable in said recess and across said opening, said window having a flange secured thereto at its bottom edge and said flange having slots therein, an electric motor positioned in said recess adjacent the lower portion thereof, a reversely threaded shaft extending outwardly from said motor and along the lower portion of said recess, a support for said shaft and motor comprising an elongated bar extending beneath said shaft and having an end of said shaft journalled therein, said bar having legs spacing it above the bottom of said recess, lazy tongs threadedly connected with said reversely threaded shaft and also being connected with the slots in said bottom window flange, a control switch for said motor located on said bar and extending downwardly therefrom between said bar and the bottom of said recess, means on said lazy tongs for operating said switch, and a manual control switch positioned exteriorly of said recess panel.

2,249,999
SPRING ASSEMBLY FOR MATTRESSES, CUSHIONS, AND THE LIKE
Vito Asaro, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application August 31, 1940, Serial No. 354,986
6 Claims. (Cl. 5—260)



1. In a spring structure, the combination of body springs, helical border members connecting corresponding end coils of the border springs, the coils of each border spring so connected being engaged by a plurality of the coils of the helical border member, curved corner members clamped upon end coils of corner springs of the

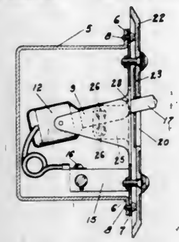
assembly and having tangentially disposed sockets at the ends thereof, the ends of said helical border members being disposed in said sockets, and resilient reinforcing members of flat cross section threaded into the coils of said border members above the portions of the border spring coils embraced by the helical border members, said reinforcing members being a sliding fit within said border helicals and being in telescoping slidable relation to said sockets.

2,250,000
MATCH BOOK
Charles C. Baldwin, St. Louis, Mo.
Application November 16, 1938, Serial No. 240,806
2 Claims. (Cl. 206—29)



1. A match book comprising a plurality of match splints, a cover enclosing the match splints and including normally connected front and rear walls of different lengths, the longer wall being provided adjacent one end of the book with a transverse weakened portion adapted to be severed to permit detachment and removal of the match splints, said weakened portion defining a securing flap for overlapping engagement with the severed portion of said long wall for holding the cover in closed position.

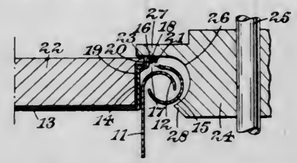
2,250,001
SWITCH
Paul S. Bear and Herbert E. Bucklen, Elkhart, Ind., assignors to Bucklen-Bear Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
Application September 14, 1938, Serial No. 229,952
11 Claims. (Cl. 200—152)



1. A wall switch comprising a wall box, a bracket secured thereto and having laterally spaced ears extending into said box, a metal envelope mercury switch, an insulating case for said switch having integral trunnions pivotally mounting said switch for tilting movement between said ears, said insulating case enclosing said switch and having an integral extension on one end projecting outwardly of the box between said ears for moving said switch from one tilting position to another.

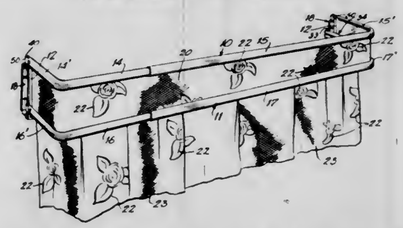
2,250,002
SEAMING APPARATUS
Peter Bogner, London, England, assignor to Saml. Hanson & Son Limited, London, England, a British company
Application February 28, 1938, Serial No. 192,989
In Great Britain November 9, 1937
4 Claims. (Cl. 113—19)

4. In apparatus for seaming an end closure of the form described, the combination comprising a chuck having a body portion of shape to fit within and support the sidewalls of the depression of the end closure and a peripheral projection extending outwardly from the top of the body portion to engage and support the shoulder and wire-supporting wall of the end closure, a seaming roller to engage the marginal flange of the end closure and in cooperation with the chuck



to seam the end closure, said roller having a seaming surface aligned with and equal in depth to the depth of the peripheral surfaces of the body portion of the chuck and of the projection, and a flange on one of the parts constituted by the chuck and seaming roller said flange overlapping and engaging the other of said parts during seaming, said flange extending immediately adjacent to the peripheral projection on the chuck.

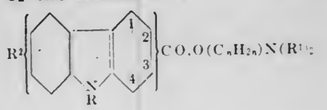
2,250,003
WINDOW CORNICE
James H. Boye, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 27, 1941, Serial No. 376,088
12 Claims. (Cl. 156—13)



1. A window cornice to conceal the upper ends of window drapes, comprising parallel upper and lower spaced rods, spacers for maintaining said rods a fixed distance apart, a strip of cloth to match the drapes mounted in the space between said rods, and means for locking said spacers to said rods.

2,250,004
ANESTHETIC PREPARATIONS
Robert R. Burtner, Niles Center, Ill., assignor to G. D. Searle & Co., a corporation of Illinois
No Drawing. Application March 17, 1938, Serial No. 196,542
7 Claims. (Cl. 260—315)

1. Anesthetic preparations comprising dialkylaminoalkanol esters of the group consisting of carbazole 2, 3 and 4 carboxylic acids and salts thereof of the formula



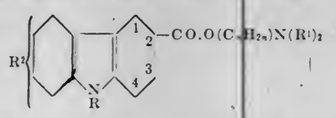
where

R is of the group consisting of H, methyl, ethyl, propyl, butyl, amyl and benzyl,

R^1 is of the group consisting of methyl, ethyl, propyl, butyl, amyl and benzyl,
R^2 is of the group consisting of H, NH_2, and OR^3 and may be attached to any carbon of the carbazole nucleus other than that substituted by the carboxyl group,
R^3 is of the group consisting of H, methyl, ethyl, propyl, butyl, amyl and benzyl,
n is an integer from 1 to 4 (chain may be straight or branched).

2,250,005
ANESTHETIC COMPOUNDS
Robert R. Burtner, Skokie, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Original application March 17, 1938, Serial No. 196,542. Divided and this application February 17, 1941, Serial No. 379,279
6 Claims. (Cl. 260—315)

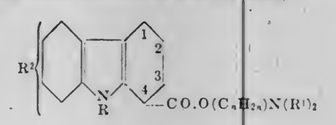
1. Anesthetic preparations comprising dialkylaminoalkanol esters of carbazole-2-carboxylic acids and salts thereof of the formula



where R is of the group consisting of H, methyl, ethyl, propyl, butyl, amyl and benzyl,
R^1 is of the group consisting of methyl, ethyl, propyl, butyl, amyl and benzyl,
R^2 is of the group consisting of H, NH_2, and OR^3 and may be attached to any carbon of the carbazole nucleus other than that substituted by the carboxyl group,
R^3 is of the group consisting of H, methyl, ethyl, propyl, butyl, amyl and benzyl,
n is an integer from 1 to 4 (chain may be straight or branched).

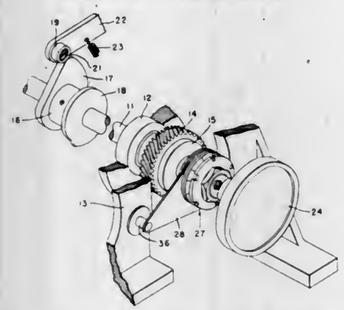
2,250,006
ANESTHETIC COMPOUNDS
Robert R. Burtner, Skokie, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application February 17, 1941, Serial No. 379,280
6 Claims. (Cl. 260—315)

1. Anesthetic preparations comprising dialkylaminoalkanol esters of carbazole-4-carboxylic acids and salts thereof of the formula



where
R is of the group consisting of H, methyl, ethyl, propyl, butyl, amyl and benzyl,
R^1 is of the group consisting of methyl, ethyl, propyl, butyl, amyl and benzyl,
R^2 is of the group consisting of H, NH_2, and OR^3 and may be attached to any carbon of the carbazole nucleus other than that substituted by the carboxyl group,
R^3 is of the group consisting of H, methyl, ethyl, propyl, butyl, amyl and benzyl,
n is an integer from 1 to 4 (chain may be straight or branched).

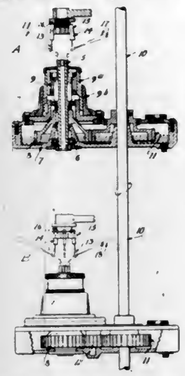
2,250,007
BRAKING DEVICE
George H. Campion, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 29, 1939, Serial No. 311,505
2 Claims. (Cl. 188—83)



1. In a machine, a shaft, cam means carried on said shaft, spring loaded follower means to exert pressure on said cam means, whereby said shaft is subjected to a torque, a friction brake means removably fixed to said shaft comprising in a unitary structure a flanged member securable to said shaft, an independently anchorable friction plate freely carried by said flanged member in co-operative relation with the flange thereof, a pair of discs of friction material juxtapositioned to said friction plate and carried on said flanged member, one of said discs positioned between said friction plate and said flange, the other of said discs positioned between said friction plate and an annular member also carried on said flanged member, a radially slit annular spring member having its adjacent segmental portions oppositely deflected, said spring member yieldingly disposed between said annular member and a second annular member having threaded engagement with said flanged member for adjustable relation therewith to control through said spring member the compression of said friction discs, an element also having threaded engagement with said flanged member in co-operative relation with said second annular member to lock said friction brake in adjusted position, and means for anchoring said friction plate to the machine to prevent, through the instrumentality of said brake means, rotational movement of said shaft by said follower means.

2,250,008
MANUFACTURE OF COVERED FLEXIBLE CORDLIKE BODIES
Ben Carter and Eric Carter, Bolton, England, assignors to B. & F. Carter & Company Limited, Bolton, England
Application November 24, 1939, Serial No. 305,986
In Great Britain December 16, 1938
2 Claims. (Cl. 66—9)

1. A machine for covering flexible cord-like bodies comprising a pair of frames disposed one over the other vertically, a rotary needle-holder in each frame, the two needle-holders being arranged co-axially with each other, knitting needles reciprocable in the needle-holders, a stationary cam encircling each needle-holder and engaging the needles in the respective holders, a driving shaft passing through the two frames, toothed gearing on one frame, connecting the driving shaft to one needle-holder for rotation in one direction, toothed gearing in the other frame connecting the driving shaft to the other needle holder for rotation in the opposite direction, and

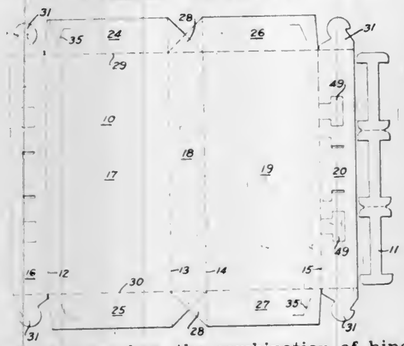


stationary thread guides above each needle holder to guide threads to the needles.

2,250,009
EXOTHERMIC INSULATING COMPOUND
John Leroy Coble, Aliquippa, Pa.
No Drawing. Application March 19, 1940, Serial No. 324,817
5 Claims. (Cl. 22—147)

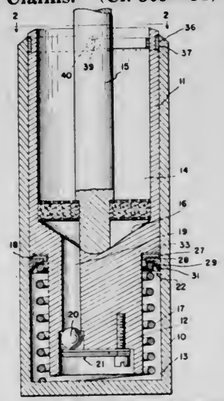
5. A loose exothermic insulating compound to be spread over the surface of molten cast steel for preventing piping and cavitation in the formation of ingots and other castings, which comprises an intimate admixture of from 30% to 85% by weight of a finely divided carbon combustible and the balance at least one insulating material of a group consisting of a finely divided blast furnace slag and exfoliated vermiculite granules.

2,250,010
PAPER BOX
Sam P. Cohn, San Francisco, Calif.
Application November 21, 1938, Serial No. 241,550
2 Claims. (Cl. 229—52)



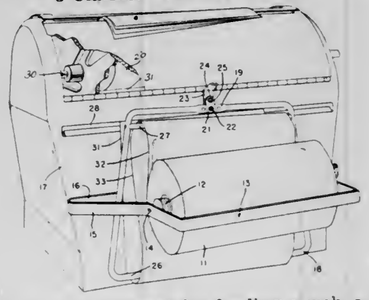
1. In a paper box, the combination of hinged top and bottom sections which when telescoped form a container of the suit box type, a bit-shaped handle member having enlarged ends, a pair of spaced slots transversely disposed in the front section of the box bottom of sufficient size to receive the shank of the handle but smaller than the enlarged ends of the handle, a slit extending longitudinally of the front section of the box bottom and outwardly from the corresponding end of each of said slots, a second slit extending transversely of the front section of the box bottom from the end of each of said longitudinal slits and on the sides thereof opposite to said slots, and a third slit extending longitudinally of the front section of the box bottom from the end of each of the second named slits parallel to the first named slits and inwardly toward the middle of the front section of the box bottom, the said end of said slots from which the slits extend being the end remote from the free edge of the front section of the box bottom.

2,250,011
SEALING MEANS FOR HYDRAULIC VALVE TAPPET CONSTRUCTION AND THE LIKE
Ernest L. Dayton, Detroit, Mich.
Application October 20, 1938, Serial No. 235,951
11 Claims. (Cl. 309—34)



1. A seal for the clearance between a piston and a cylinder, comprising a cup-shaped metallic member movable with the piston and having an annular deformable lip of an alloy of tin base bearing metal slidably engaging the cylinder wall, and means yieldably urging the lip throughout its circumference into continuous engagement with the cylinder wall.

2,250,012
WEB GUIDE
William H. Eddy, Downers Grove, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 13, 1939, Serial No. 284,259
3 Claims. (Cl. 197—133)



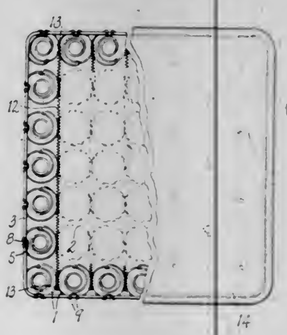
1. In an arrangement for feeding a web, a supply roll, a feed roll maintained in constant parallel axis relationship with said supply roll, one of said rolls being movable along an axis parallel to the axis of the other of said rolls, and means to

maintain a longitudinal adjustment in a web between said feed and supply rolls comprising a trapezoidal frame member having a first rod over which the web is threaded from said supply roll, a second rod under which the web is threaded after leaving said first rod and beyond which it is pulled by said feed roll, and means located above said rods for pivotally supporting said trapezoidal member on an axis substantially transverse to said parallel axes of said supply and feed rolls.

2,250,013
SPRING ASSEMBLY OR UNIT

Neil Ely, Trenton, N. J., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich., a corporation of Michigan

Application April 29, 1940, Serial No. 332,248
6 Claims. (Cl. 5—260)



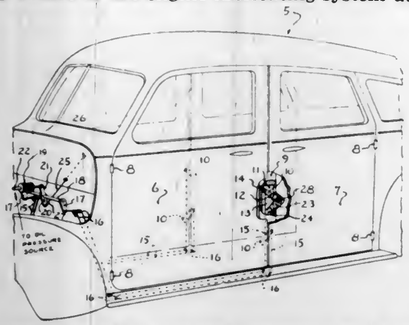
1. In a spring assembly, the combination of rows of coiled body springs, the end coils of each of the border springs being provided with loop-like offsets disposed inwardly of the circumference of said end coils, and a continuous border frame of resilient metal of flat cross section disposed flatwise relative to and in substantial lapping supporting relation to the end coils of the border springs, said border frame having transversely disposed offsets therein aligned with and receiving said loop-like offsets of said border springs, the bight ends of said spring offsets being folded around and in clamping engagement with the inner edge of said border frame, the border frame offsets being of such length that the arms of the said loop-like offsets of the springs are in endwise sustaining engagement with the end portions of the said border frame offsets, said border frame offsets being of such depth that the spring offsets are substantially flush with the outer horizontal surface of the border frame.

2,250,014
DOOR LOCKING SYSTEM

John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application July 15, 1940, Serial No. 345,591
10 Claims. (Cl. 180—82)

1. A locking system for engine driven vehicles having an oil pressure lubricating system and a door comprising: a latch member; means mounting the latch member adjacent to an edge of the door for movement of a part thereof into and out of a keeper socket in the door, said mounting means permitting the latch member to be moved by gravity to a position disengaged from the keeper socket of the door; and means responsive to pressure in the engine lubricating system dur-

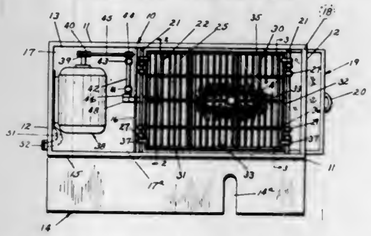


ing operation of the engine for moving said latch member part into the keeper socket of the door.

2,250,015
CLEANER FOR DUST MOPS

Richard Fraas, Keene, Calif.

Application July 17, 1940, Serial No. 345,899
2 Claims. (Cl. 15—94)

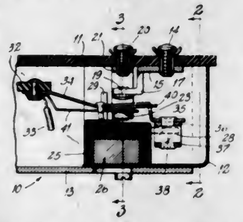


2. In a device of the kind described, an oblong housing, a shaker-grate horizontally and swingingly suspended in the housing for oscillation therein, a stationary reticulated, mop-head supporting rack in the housing above the shaker-grate, and means for oscillating the said shaker-grate.

2,250,016
MAGNETIC BLOWOUT

Claude M. Garner, University City, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware

Application August 15, 1938, Serial No. 224,838
7 Claims. (Cl. 200—147)

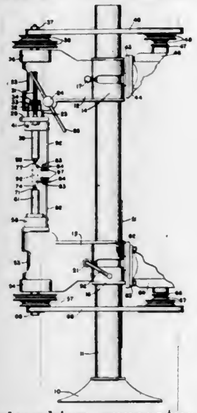


1. A switch including a first contact, a movable blade having a second contact adapted to make and break with said first contact, an armature on said blade spaced from the contact, and an elongated magnetic element extending at one end adjacent said armature to provide a snap action for said switch blade, said magnetic element also extending at its other end adjacent the path of said switch blade away from said first contact element to establish a magnetic field to repress the formation of arcs as said blade breaks with said contact.

2,250,017
METALWORKING APPARATUS

Victor Grey, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application March 24, 1939, Serial No. 263,859
6 Claims. (Cl. 51—111)

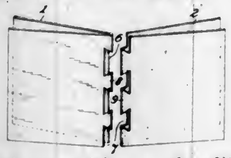


1. In a metalworking apparatus, a vertically disposed cylindrical tool head support, a tool head fixed to said support, an opposed movable tool head also carried by said support, means on said tool head support for maintaining the movable head in fixed angular relation to the fixed head, a tool spindle rotatably supported in each of said heads, and means for feeding the spindle carried by the fixed head toward the spindle carried by the movable head, the spindle on the movable head being fixed axially with respect to said head.

2,250,018
BINDING

Stanley L. Gundell, New York, N. Y.

Application March 23, 1940, Serial No. 325,558
4 Claims. (Cl. 281—21)



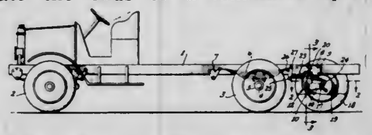
1. A booklet comprising a plurality of sheets having folded binding edges at least two of which sheets are each provided with undercut segments arranged along the fold line thereof, the undercut segments of one sheet being arranged in interlocking relation to the undercut segments of another sheet.

2,250,019
SPRING SUSPENSION FOR VEHICLE WHEELS

Percival M. Heinmiller, Los Angeles, Calif., assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif., a corporation of California

Application July 30, 1940, Serial No. 348,457
10 Claims. (Cl. 280—124)

1. In a multi-wheel attachment for motor vehicles the combination of a frame, a hanger bracket secured to said frame, a shaft secured to said bracket transversely of said frame, a rocker arm mounted upon said shaft, a spring mounting formed upon said rocker arm intermediate the ends of a laminated spring, a



laminated spring, loosely supported in said mounting, means for securing one end of said laminated spring to said rocker arm, means for securing the other end of said spring to the rear spring of the motor vehicle, a stub spindle upon said rocker arm, and a wheel mounted upon said stub spindle.

2,250,020
MOLDING APPARATUS

Albert Henderson, Pittsburgh, Pa., assignor to William P. Witherow, Pittsburgh, Pa.

Application November 7, 1938, Serial No. 239,255
9 Claims. (Cl. 25—121)

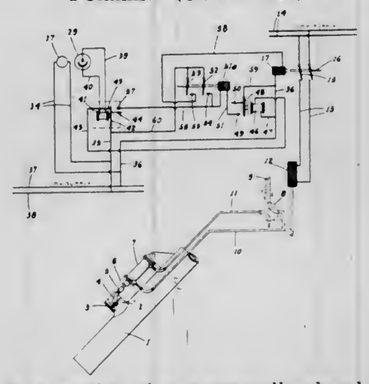


1. In a molding apparatus, a plurality of spaced bottom plates, side walls cooperating therewith to form mold chambers, and end walls movable along said bottom plate for sub-dividing said mold chambers, said end walls being of inverted T-shape and arranged in spaced pairs with their bottoms abutting each other and resting on said bottom plates.

2,250,021
RELIEF VALVE CONTROL

David L. Hofer, Albany, Calif.

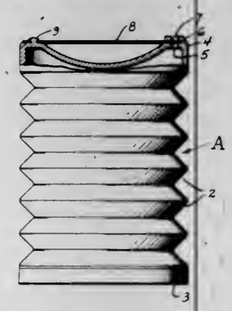
Application February 25, 1938, Serial No. 192,576
4 Claims. (Cl. 137—139)



1. In a suction pipe, a normally closed relief valve, a fluid actuated power unit to operate the relief valve and including a separate fluid control valve; and control mechanism comprising electrically actuated means arranged in operative connection with said separate valve, a circuit for and including said means, a normally open switch in said circuit, a photoelectric cell, means nor-

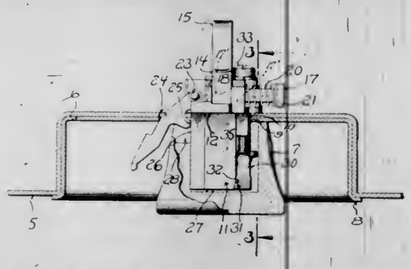
mally energizing the cell, a relay actuated from the cell, other electrical means to close said switch when the cell and relay are de-energized, and vacuum responsive means in communication with the suction pipe and operative to de-energize the cell when the vacuum in the pipe exceeds a predetermined amount.

2,250,022
TOOTH PASTE DISPENSER
Malcolm E. Hoffman, San Francisco, Calif.
Application May 29, 1940, Serial No. 337,844
3 Claims. (Cl. 221—60)



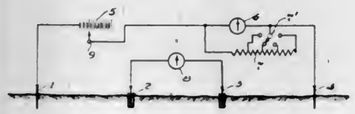
3. A combination container and dispenser for pastes and like substances, comprising a compressible collapsible container for the paste, a head member on one end and having a discharge orifice formed therein, other means forming a closure for the opposite end of the container, a guide lug on the head having a discharge opening formed therein in alignment with the discharge orifice, a flexible leaf-type spring extending crosswise of the head, one end of said spring being anchored to the head and the other end extending in under the guide lug and normally closing the discharge orifice and the aligned discharge opening, and a depression formed in the head beneath the spring, said spring being bendable by finger pressure exerted midway of its length.

2,250,023
COMPARTMENT DOOR LATCH
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application February 20, 1939, Serial No. 257,435
6 Claims. (Cl. 292—124)



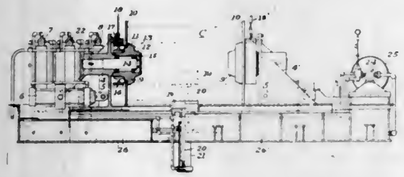
1. In a latch for a movable panel having a hole therethrough a knob adapted to be grasped to facilitate moving said panel; means for readily releasably securing said knob to the panel, comprising, a part projecting through the hole in the panel from back to front; an abutment on said part engageable with the back of the panel to limit outward movement thereof through the hole; said knob having a socket in its inner end in which the projecting end portion of said part is received, said socket being deep enough to enable the knob to engage firmly against the front face of the panel; and means operable only from in back of the panel and extending into the knob socket for securing the knob to said part.

2,250,024
METHOD OF DETERMINING UNDERGROUND STRUCTURES
John Jay Jakosky, Los Angeles, Calif.
Application December 1, 1937, Serial No. 177,573
19 Claims. (Cl. 175—182)



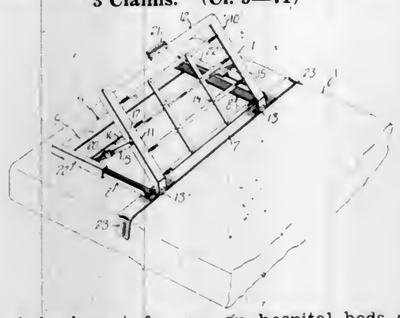
1. A method of electrical exploration of the subsurface, which comprises: establishing a predetermined potential through the earth between a pair of spaced potential electrodes by passing current through the earth between a pair of spaced current electrodes having a known spacial relationship with respect to said potential electrodes and spaced therefrom; repeating this operation with at least one of the current electrodes disposed successively in different positions so as to cause the current to flow through the earth successively in different paths, while controlling the current so as to maintain a regular predetermined relationship in the values of said potential for the different paths of current flow; and measuring the current passed between said current electrodes through each of a plurality of said different current paths.

2,250,025
COIL HANDLING APPARATUS
Clarence J. Klein, Marland Heights, W. Va.
Application September 29, 1938, Serial No. 232,344
11 Claims. (Cl. 242—78)



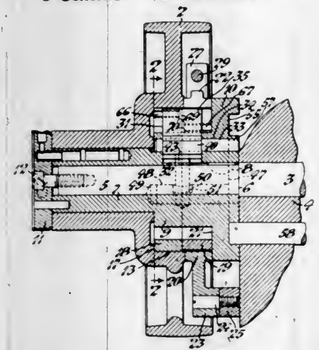
1. In apparatus for handling hollow coils, a supporting frame, a pair of coil supporting stands slidably mounted on the frame, fluid operated means for moving said stands toward and away from each other, said stands including tapered coil trunnions adapted to center a coil thereon by engagement with the inside wall of the coil, means carried by said trunnions to engage the ends of the coil after the tapered trunnions are moved to position within the coil, a vertically adjustable coil saddle adapted to support a coil and move it to a position to engage the coil supporting stands, fluid operated means for raising and lowering the saddle, a fluid reservoir in said frame and a single fluid pressure generating unit for supplying fluid under pressure to each of said fluid-operated means.

2,250,026
BACK REST FOR HOSPITAL BEDS
Alfred Laukhuff, Milwaukee, Wis.
Application September 12, 1940, Serial No. 356,441
3 Claims. (Cl. 5—71)



1. A back rest for use on hospital beds and the like comprising: a base adapted to rest on a mattress and including a transverse member having depending end portions to engage the sides of the mattress; a back supporting frame; means hingedly connecting said frame with the base; and means for supporting the back supporting frame in any one of a number of different positions of inclination.

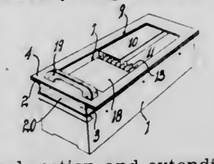
2,250,027
CLUTCH AND BRAKE DEVICE
Arthur H. Maynard, Warwick, R. I., assignor to Boston Wire Stitcher Company, Warwick, R. I., a corporation of Maine
Application September 14, 1939, Serial No. 294,875
3 Claims. (Cl. 192—107)



1. An expansible clutch- or brake-ring comprising a plurality of articulated segments, the adjacent ends of two of the segments being spaced apart to provide a slot therebetween and the other adjacent ends having arcuate bearing surfaces with recessed grooves on the sides of the segments surrounding the bearing surfaces, and bearing pins between the bearing surfaces at the ends of the segments and having heads with peripheral flanges projecting into the recessed grooves for maintaining the segments connected to each other.

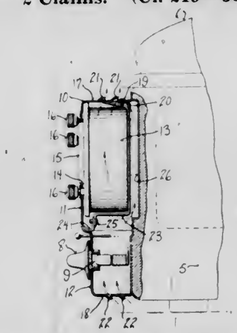
2,250,028
VEGETABLE CUTTER
John A. Miller, Long Beach, Calif., assignor of twenty-five per cent to Carol E. Rich, Long Beach, Calif.
Application April 13, 1940, Serial No. 329,474
3 Claims. (Cl. 146—169)

1. A vegetable cutter comprising a substantially rectangular box, a slide plate slidably mounted on the box, said slide-plate having a central opening therein, a pair of rails extending longitudinally within the box, a cutter plate resting on the rails, said cutter plate including a longitudinal feed section, a longitudinal discharge section, and therebetween a transverse knife assembly consisting of a plurality of spaced knives, each knife



facing the feed section and extending outwardly from the level of the feed section toward the slide-plate, said discharge section divided across its width into a non-cutting and a cutting section, the non-cutting section being substantially in alignment with the feed section and the cutting section being substantially in alignment with the outward ends of the knives.

2,250,029
COOKING APPLIANCE
Herbert J. Moon, St. Louis, Mo., and Emmet G. Gardner, Milwaukee, Wis., assignors to National Enameling & Stamping Company, Milwaukee, Wis., a corporation of New Jersey
Application September 26, 1940, Serial No. 358,436
2 Claims. (Cl. 219—35)

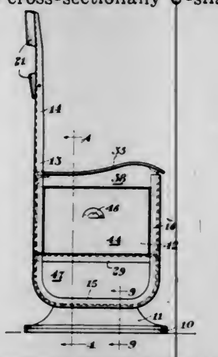


1. In an electric cooking appliance of the character described: a receptacle having an upright front outer wall which becomes hot during operation of the appliance; an ornamental cover plate for said front wall having its medial portion bulged outwardly away from the body of the appliance and the plane of said wall, said cover plate bulged portion defining an enclosure having superimposed top and bottom walls each provided with an air vent so that cooling air may flow in a substantially straight vertical line through said enclosure to carry off heat from the interior thereof; circuit controlling clock mechanism for the cooking appliance disposed within said bulged portion and having its face exposed through said cover plate; and means mounting the clock mechanism on the interior of said enclosure in spaced relation to the adjacent outer wall of the receptacle.

2,250,030
CHAIR
Erving B. Morgan, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application October 15, 1938, Serial No. 235,174
1 Claim. (Cl. 155—194)

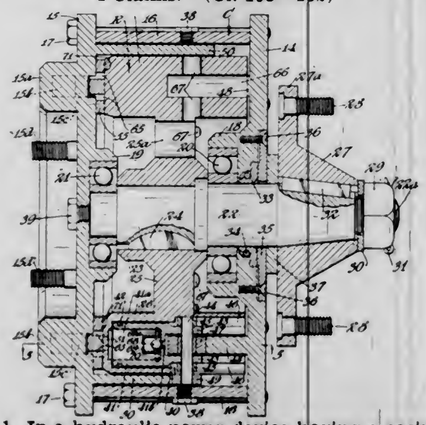
In a chair structure of the class described, a

pair of horizontally spaced parallelly disposed side frames each comprising a bar bent to form upstanding front and rear posts and a connecting bottom portion, a bottom member disposed between and secured to said side frames and having upstanding front and rear portions provided with inwardly extending flanges at the upper ends thereof, a cross-sectionally U-shaped mem-



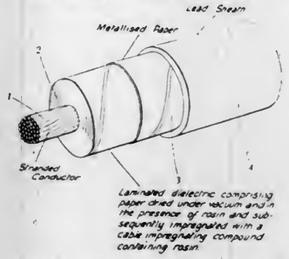
ber disposed between said side frames and having upstanding front and rear portions and a medial shelf portion seated on the inwardly extending flanges on said bottom member, a chair seat supported by the front and rear portions of said U-shaped member, and a drawer slidably disposed on the medial shelf portion of said U-shaped member.

2,250,031
HYDRAULIC MOTOR OR PUMP
Herbert J. Nathan, Bismarck, N. Dak.
Application November 13, 1939, Serial No. 304,002
4 Claims. (Cl. 103—162)



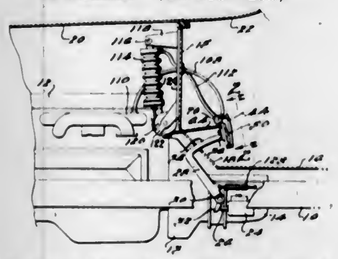
1. In a hydraulic power device having a casing with inlet and outlet ports, a rotor movably supported in the casing and having cylinders therein and with pistons movable in said cylinders; intake and exhaust manifolds in said casing and communicating with the inlet and outlet ports of said casing, a valve ring forming wall portions of said manifolds within said casing and lying adjacent the cylinders in said rotor, said ring being non-rotatable relative to said casing, rotor engaging elements interposed between said valve ring and said rotor, said valve ring being subject to fluid pressure in at least one of said manifolds tending to urge said ring toward said rotor, and said ring including conduits for admitting fluid under pressure from at least one of said manifolds to said rotor engaging elements to set up a pressure between said elements and said ring and to urge said ring away from said rotor to counteract pressure against said ring from at least one of said manifolds.

2,250,032
MANUFACTURE OF ELECTRIC CABLES
Thomas Lloyd Osborne, Belvedere, Kent, and Russell Swale Vincent, London, England, assignors to Callender's Cable and Construction Company Limited, London, England, a British company
Application May 11, 1938, Serial No. 207,300
In Great Britain May 24, 1937
6 Claims. (Cl. 173—244)



1. In a method of manufacturing an insulated cable having a dielectric comprising paper impregnated with a compound containing rosin, the successive steps of forming a film of cellulose rosinate on the fibres of a paper initially containing in each 100 parts by weight of paper about five parts of rosin by subjecting the paper to a prolonged heat treatment under vacuum, of applying the heat treated paper to the cable conductor, and of impregnating said paper on the conductor with said impregnating compound, whereby to preclude a chemical reaction between the paper and the rosin in said compound and the liberation of water thereby within the impregnated cable.

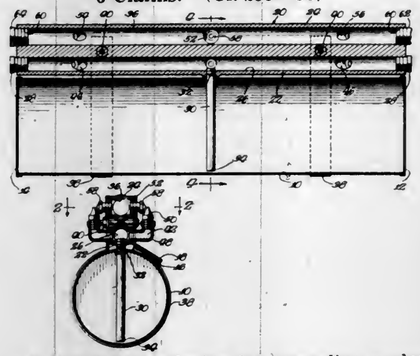
2,250,033
BRAKE OPERATING MECHANISM
Gilbert E. Porter, Mount Clemens, Mich.
Application June 21, 1940, Serial No. 341,599
12 Claims. (Cl. 188—152)



1. In a motor vehicle, in combination, a pedal adapted to be depressed in the actuation of mechanism on said motor vehicle, a base fixed to said pedal, a control pedal movably mounted on said base, control valve mechanism interconnected between said control pedal and said base whereby to be operated during relative movement between said control pedal and said base, reaction means interposed between said base and said control

pedal and operatively associated with said control pedal, a fluid power element, a connection between said fluid power element and said reaction means, and means connecting said valve mechanism with said power element and a source of power.

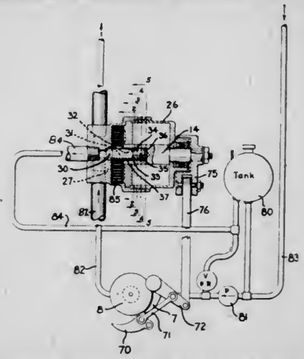
2,250,034
SPRAYING DEVICE
Hyman Richard Rich, Milwaukee, Wis., assignor to Enoz Chemical Company, Chicago, Ill., a corporation of Illinois
Application November 7, 1938, Serial No. 239,206
6 Claims. (Cl. 299—86)



1. A liquid spray device for spreading a cloud of atomized liquid comprising a tank forming a primary liquid reservoir for storing liquid at a level below the top thereof, a member having a chamber therein forming a normally empty secondary liquid reservoir spaced above and independent of the primary reservoir, a single stand pipe extending centrally from the secondary reservoir to the bottom of the primary reservoir, and a second member having a passage therein lying adjacent the first member adapted to be connected in a fluid pressure line, a plurality of aspirators on the first member spaced at different distances from the stand pipe and directed at various angles with respect to the central axis thereof communicating with the secondary reservoir and a series of correspondingly directed jets communicating with the passage in the second member directed against said aspirators for drawing jointly through the secondary reservoir upon the stand pipe to fill said secondary reservoir to a temporary gravity level common to all the aspirator inlets and for drawing separably on said secondary reservoir to lift the liquid substantially a minimum distance and spread said vaporized liquid uniformly in a plurality of directions into the atmosphere.

2,250,035
SERVO CONTROL
Nathan C. Price, Seattle, Wash., assignor, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application June 6, 1939, Serial No. 277,661
4 Claims. (Cl. 121—41)

1. A servo device for interposition between a controlled element and a controlling element, comprising a casing defining a closed chamber and a chambered supply passage leading thereto, a diaphragm movable within and dividing the chamber into two compartments, means operatively connecting the controlled element to the diaphragm, for conjoint movement, two cooperating valve members controlling the supply of a pressure fluid to one compartment and the venting of the other, a spirally wound thermostatic controlling element within the chamber of the supply passage, one of said valve members being operatively connected for movement by and in accordance with movement of the diaphragm and the connected controlled element, and the other



of said valve members being operatively connected for movement by and in accordance with movement of the thermostatic controlling element, the two valve members cooperating when relatively moved to move the controlled element to and to maintain it in any one of an infinite number of positions of equilibrium, depending upon the setting of the controlling element.

2,250,036
LOCK EXTENSION UNIT
Walter R. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application June 7, 1939, Serial No. 277,768
2 Claims. (Cl. 292—337)

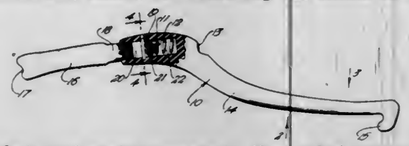


1. An extension unit of the character described comprising a tubular housing, a bar slidably mounted therein, a pair of spaced hook-shaped lugs on one end of the bar and bent at right angles thereto, a pair of lugs formed on the opposite end of the bar and on opposite sides thereof, a spring surrounding the bar and urging the bar to move in one direction, and means for limiting the movement of the bar in that direction.

2,250,037
DIAPHRAGM PESSARY INTRODUCER
William L. Schmitz, Jr., Los Angeles, Calif.
Application November 15, 1938, Serial No. 240,503
2 Claims. (Cl. 128—127)

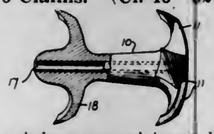
1. A diaphragm pessary introducer comprising a body providing a socket, a handle at the back of the socket, a shoulder at the back of the socket, and a tip, the shank of which is receivable in the socket, the end of the tip and the shoulder at the back of the socket cooperating to hold a diaphragm pessary in distorted ovate

form therebetween, said shank being slidable in the socket, means for retaining the shank in the



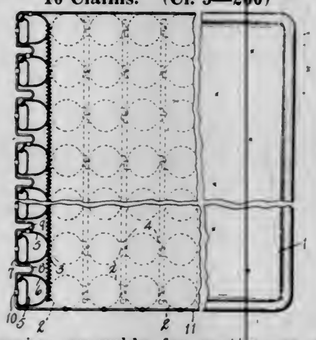
socket, and spring means in the socket normally urging the tip into foremost position.

2,250,038
FISHING SINKER
John R. Sink, San Francisco, Calif.
Application March 29, 1940, Serial No. 326,633
5 Claims. (Cl. 43—52)



1. A fishing sinker comprising a body member, radial flukes disposed at the forward end thereof and terminating in rearwardly directed points, and means for connecting a line to the forward end whereby said flukes will tend to resist drifting of the sinker and line away from the point to which the line is secured.

2,250,039
SPRING ASSEMBLY
George A. Stackhouse, Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application January 3, 1939, Serial No. 248,990
10 Claims. (Cl. 5—260)



1. A spring assembly for mattresses and the like comprising body springs arranged in rows and including border springs having elongated and relatively narrow coils, the end coils of the border springs terminating in inwardly-projecting extensions to which adjacent body springs are connected, and a resilient wire border member connected to the flattened portions of the end coils of the border springs and having a plurality of inwardly-extending loop-like offsets of substantial width therein disposed between adjacent border springs, said offsets being connected by reaches of substantially greater length than the spacing of the arms of the offsets, at least certain of said offsets being connected to the extension of an adjacent border spring, said border member being normally bowed outwardly but being restrained in a substantially straight position through its connections with the said border springs.

2,250,040
NONGELLING ZEIN SOLUTION
Oswald C. H. Sturken, Closter, N. J., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 15, 1938, Serial No. 245,921
6 Claims. (Cl. 106—153)

1. Process for the production of a stable zein solution which comprises: drying the zein to a substantially anhydrous state; and dissolving the dried zein in anhydrous ethyl alcohol and an anhydrous solvent of dry zein compatible with anhydrous ethyl alcohol selected from the group of substances, all characterized by containing a hydroxyl group in their molecular structures, consisting of dibutyl tartrate, diethylene glycol, and triethylene glycol; whereby the solution is substantially water free and capable of standing for long periods of time without gelling.

2,250,041
ZEIN COATING COMPOSITION AND METHOD OF PREPARING SAME
Oswald C. H. Sturken, Closter, N. J., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 5, 1939 Serial No. 288,591
9 Claims. (Cl. 106—152)

1. A coating solution containing zein, anhydrous ethyl alcohol, a mutual solvent for the alcohol and zein, a plasticizer compatible with the zein and a plasticizer non-compatible with the zein of the group of substances consisting of triacetin, dibutyl phthalate and tricresyl phosphate.

2,250,042
APPLIANCE CORD SPRING
Albert Sundt, Worcester, Mass., and Joseph A. Drahas, Garden City, N. Y., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 2, 1936, Serial No. 103,762
2 Claims. (Cl. 173—322)

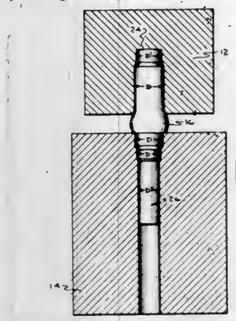


1. A protector spring for cords and the like, comprising a body composed of a plurality of coaxial convolutions of wire, said body having a terminal portion including convolutions of appreciably smaller diameter than the adjacent convolutions of said body, said smaller convolutions defining a constricted portion constituting a ferrule, other convolutions thereof being of gradually increasing diameter and extending away from said body and said constricted portion to define a substantially bell-mouthed terminus on said spring.

2,250,043
METHOD OF FABRICATING CENTERING BOLTS AND THE LIKE
Alfred J. Wintle, Gary, Ind., assignor to Gary Screw & Bolt Company, Gary, Ind., a corporation of Pennsylvania
Application December 4, 1939, Serial No. 307,390
3 Claims. (Cl. 10—27)

1. A method of fabricating a centering head bolt from cylindrical stock comprising the steps of shearing the work blank to length, reducing the end portions thereof by extrusion or swaging

to form a shank and a head portion protuberance while initially upsetting an intermediate part of the blank, completing the upsetting operation to

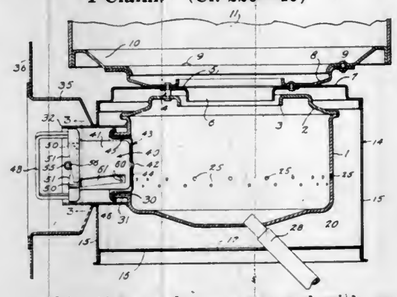


finish the major part of a head portion tapering to the diameter of said head portion protuberance and thereafter pointing said protuberance to finish said head portion.

2,250,044
INSULATOR
Carl D. Croskey and Davidge H. Rowland, Baltimore, Md., assignors to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application April 11, 1939, Serial No. 267,349
9 Claims. (Cl. 106—12)

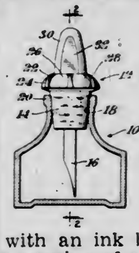
1. The improvement in multi-part insulators of the type including a body of vitrified ceramic material having a band of cement interposed between adjacent parts connecting the same and having a coating of fused sand underlying said cement band, said sand consisting of a mixture of ball clay and an oxide from the group including calcium and magnesium, said mixture having a coefficient of expansion less than the coefficient of expansion of either of said ingredients and of said body.

2,250,045
THERMOSTATIC LOCK FOR THE CLOSURES OF COMBUSTION APPARATUS OR THE LIKE
Theodore B. Focke, Cleveland Heights, and Evans W. Cheeseman, Cleveland, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application January 17, 1939, Serial No. 251,392
1 Claim. (Cl. 220—40)



In combination, a sleeve arranged with one of its ends surrounding a closure seat, a plug insertable within the sleeve and equipped at its inner end with a closure for engagement with the seat, the end of the plug remote from the closure being enlarged and slightly less in diameter than the internal diameter of the sleeve, the enlarged end of the plug having a slot that extends in a direction substantially longitudinally of the plug and a cam surface extending from one side of said slot, an abutment projecting inwardly from the sleeve in a position to pass through said slot when the plug is inserted into the sleeve and to engage said cam surface when the plug is turned, thereby to hold the plug within the sleeve and the closure in engagement with the seat, and a bimetal strip arranged alongside the portion of the plug of lesser diameter and secured to the plug at its end remote from the enlarged end of the plug, said strip being so arranged that when it is affected by a relatively high artificial temperature its free end will assume a position to block passage of said abutment through said slot and prevent removal of the plug, said strip, under atmospheric temperature, assuming a position in which it escapes said abutment.

2,250,046
INK BOTTLE STOPPER
Tracy Higgins, Smithtown Branch, N. Y., assignor to Higgins Ink Co., Inc., Brooklyn, N. Y.
Application March 27, 1940, Serial No. 326,169
1 Claim. (Cl. 120—57)

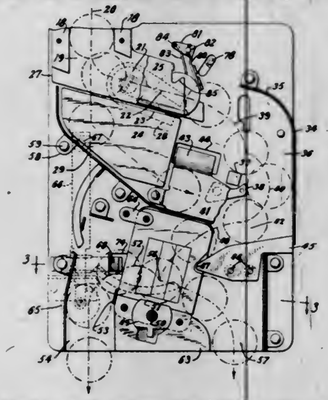


In combination with an ink bottle having a neck and a stopper opening of a stopper of the character described having a head, a steeple, a stub projecting from the underside of the head, a quill anchored in the stub, said head having an annular recess around the stub, a plug of compressible material having a bore adapted to receive the stub, said plug fitting into said annular recess and being adhesively secured therein and to the surfaces of said stub, said bore being of depth greater than the length of said stub and providing a hollow zone, in substantially the center thereof, said quill projecting through said space and the bottom of said plug, said plug being exteriorly conical and of largest diameter adjacent the head and larger in the said hollow diameter zone than that of the neck opening and smaller in diameter at the bottom than the neck opening, said stub being of such length as to project into the neck of the bottle in its innermost position.

2,250,047
COIN SELECTOR
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application October 1, 1937, Serial No. 166,763
3 Claims. (Cl. 194—100)

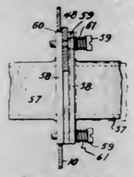
1. In a coin selector, means to deliver a coin in a trajectory having a component of horizontal travel, a member having a face against which said coin may rebound, said face intersecting said trajectory and being inclined upwardly in the direction of coin travel at an angle of small degree relative to the horizontal so that the gen-

eral direction of horizontal travel of the coin will continue the same after as before rebound, a barrier positioned beyond said rebound face in the direction of coin travel, so as to be hurdled by a coin of proper resiliency and conductivity and to arrest a coin of less resiliency or greater



conductivity and cause the latter to roll back along said rebound face and be thereby rejected, and means creating a concentrated field of magnetic flux in the immediate vicinity of rebound to impede the rebound of a coin of excessive conductivity.

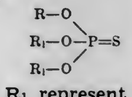
2,250,048
COIN SELECTOR
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application October 1, 1937, Serial No. 166,764
3 Claims. (Cl. 194—100)



1. In a coin selector, means, including a vertical wall, forming a passage for coins, a magnet disposed outside said wall with its poles arranged adjacent to said passage, resilient means acting on the magnet for urging the poles thereof toward said passage, and adjustable means reacting on a fixed abutment for moving said magnet against the force exerted by said resilient means to vary the effect of the magnet poles upon coins travelling through said passage.

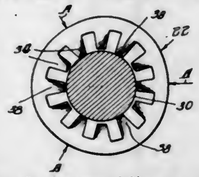
2,250,049
MIXED TRIARYL THIOPHOSPHATES
Clarence L. Moyle, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 19, 1938, Serial No. 246,667
8 Claims. (Cl. 260—461)

1. A mixed triaryl thiophosphate having the general formula



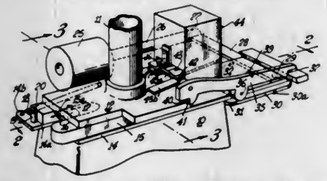
wherein R and R_1 represent different aromatic radicals, at least one of which contains at least 9 carbon atoms.

2,250,050
FASTENER UNIT AND METHOD OF ITS ASSEMBLY
Carl G. Olson, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application March 6, 1939, Serial No. 260,015
6 Claims. (Cl. 10—73)



1. The method of assembling a continuous, annular lock washer and fastener which comprises radially yieldably distorting a lock washer inwardly at spaced peripheral points only, to cause intermediate portions of the lock washer to shift in an opposite radial direction for increasing the effective internal diameter of the washer, applying said lock washer axially of a fastener while so distorted, and releasing said distortion to permit said intermediate portions to return to their original position for grippingly engaging the fastener in tight fitting relationship.

2,250,051
CHANGE MAKER
William Patzer, Chicago, Ill., assignor to A. B. T. Manufacturing Corp., Chicago, Ill., a corporation of Illinois
Application February 15, 1940, Serial No. 319,022
6 Claims. (Cl. 133—5)

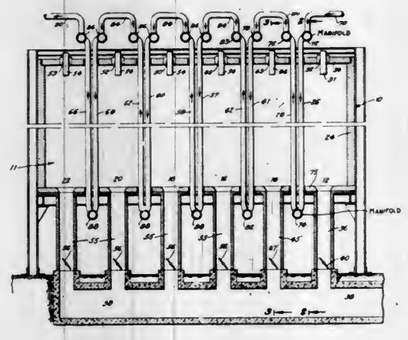


1. In a change making device, the combination with a coin hopper, of a pair of collateral reciprocable slides beneath said hopper and each provided with a coin pocket adapted to receive a certain number of coins from said hopper, said slides being normally disposed with said pockets in alignment with the hopper to receive coins therefrom and being further arranged to eject coins from said pockets upon reciprocation, electromagnetic means for reciprocating a first one of said slides to effect ejection of a certain number of coins, mechanism for coupling said first slide with the other slide whereby the latter will be reciprocated jointly with the former upon energization of said electromagnetic means, a second electromagnetic means coacting with said coupling mechanism to couple said slides, switch means associated with the second electromagnetic means and adapted to be effective, when said second electromagnetic means is operated to couple the slides as aforesaid, to energize said first-named electromagnetic means.

2,250,052
TREATING HYDROCARBON FLUIDS
John Herman Rickerman, River Edge, and Albert L. Baker, Summit, N. J., assignors to Gasoline Products Company, Inc., Jersey City, N. J., a corporation of Delaware
Application December 29, 1938, Serial No. 248,190
10 Claims. (Cl. 196—116)

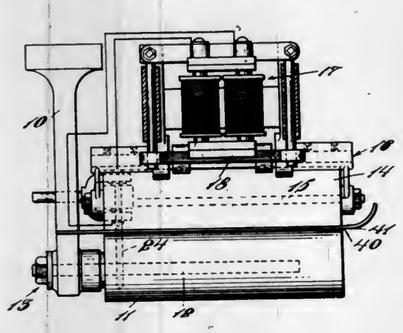
4. A heating apparatus adapted for heating

hydrocarbon fluids which includes a housing, a plurality of spaced rows of vertically arranged heater tubes extending across said housing to form a plurality of radiant heating chambers, said heater tubes forming separating means between said heating chambers, a plurality of top and bottom manifolds interconnecting heater tubes in each row and formed to provide for a



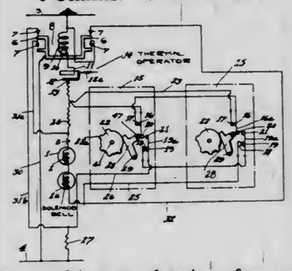
tortuous flow of hydrocarbon fluid in plural streams and in single plane across said housing, means for supplying hot products of combustion to each of said radiant heating chambers whereby all of the heater tubes are exposed on both sides thereof to direct radiant heat, and means for removing products of combustion from each of said radiant heating chambers in a plurality of places.

2,250,053
GUIDER
Lyman C. Stowell, Oaklawn, R. I., assignor to The Textile-Finishing Machinery Company, a corporation of Rhode Island
Application July 31, 1940, Serial No. 348,847
5 Claims. (Cl. 26—66)



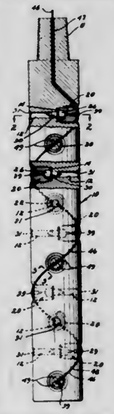
1. A feeler mechanism for an electric web guider comprising a support, a feeler arm, means for pivotally mounting said arm on said support to swing about an axis fixed with reference to said support in response to out-of-line movement of the web, and a button positioned to swing about a pivot passing through the button, said pivot being co-axial with the axis of swing of said arm and provided with external electrical contacts connected by mercury when in one position of rotation and separated when in a different position of rotation.

2,250,054
DISPATCHING MECHANISM FOR ALARM SIGNAL SYSTEMS
John H. Wheelock, Fitzwilliam, N. H., and Ferdinand F. Humphreys, Caldwell, N. J., assignors to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application November 30, 1937, Serial No. 177,284
6 Claims. (Cl. 177—360)



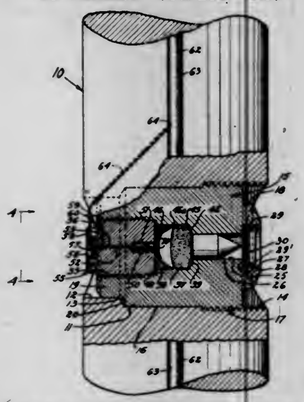
1. A dispatching mechanism for an electrical alarm system, comprising relatively movable contacts normally open in the non-operating condition of said mechanism, a spring-driven motor providing a shaft turnable through a predetermined angle when the motor is wound, a coding element operable for a predetermined period, upon unwinding said motor, to move said contacts into and out of engagement to transmit signal impulses in accordance with the code designation of said element, an actuating member freely mounted on said motor shaft, a driving element turnable with the motor shaft to engage said actuating member as said motor unwinds, and means operable by said actuating member to maintain said contacts in closed position after said motor has come to rest.

2,250,055
CASING PERFORATING GUN
Ford I. Alexander, Whittier, Calif.
Application July 24, 1939, Serial No. 286,181
12 Claims. (Cl. 164—0.5)



1. A casing perforating gun comprising a gun body, a socket formed in a side of said gun body, a shooting bore in said gun body extending from the inner end of said socket through said gun body, and an explosion chamber plug mounted in said socket, said plug having an explosion chamber opening to the inner end of said shooting bore.

2,250,056
CASING PERFORATING GUN
Ford I. Alexander, Whittier, Calif.
Application November 3, 1939, Serial No. 302,681
19 Claims. (Cl. 164—0.5)



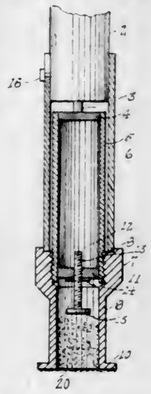
1. In a barrel adapted to be mounted on a casing perforating gun body, an internal socket in the rearward end of said barrel, a shooting bore in said barrel alined with said socket and extending through the forward end of said barrel, and a breech plug mounted in said socket, there being an explosion chamber within said barrel between the inner end of said plug and the inner end of said shooting bore.

2,250,057
CURTAIN STRETCHER
Walter W. Block, Kenosha, Wis.
Application August 14, 1940, Serial No. 352,485
3 Claims. (Cl. 287—99)



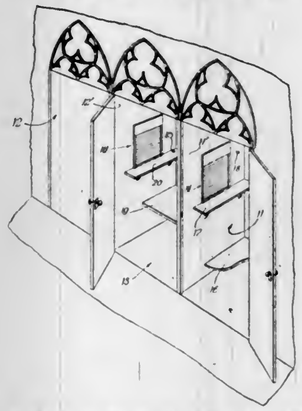
1. In a curtain stretcher, a rail comprising a pair of sections adapted for arrangement in end to end relation, a post, a hinge comprising a pair of members each rigidly secured to one of said sections at the abutting ends thereof, a pintle securing said members together in pivotal relation, one of said members extending beyond the section to which it is secured and overlapping the other of said members and the end portion of the other of said sections, said one member being cut away to receive a portion of said other member, and means mounted in the end portion of the section to which said other member is secured and projecting through said cut away portion for removably securing said post to said rail, whereby said hinge may be operated to fold said sections one upon another without removal of said post securing means.

2,250,058
DENTAL IMPLEMENT
Phillips Brooks, New York, N. Y.
Application April 8, 1940, Serial No. 328,390
2 Claims. (Cl. 32—48)



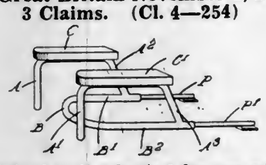
1. In a device for preparing a tooth to receive a porecIain jacket crown, a hollow member having an angularly directed flange at the free edge thereof, stop means to limit the downward movement of the hollow member on a tooth, and an abrasive material coating the inner wall of the member and said flange, said abrasive material being independent of the material from which the flange is made.

2,250,059
SLIDE CLOSURE
Leo D. Farney, Chicago, Ill.
Application September 18, 1939, Serial No. 295,478
4 Claims. (Cl. 181—22)



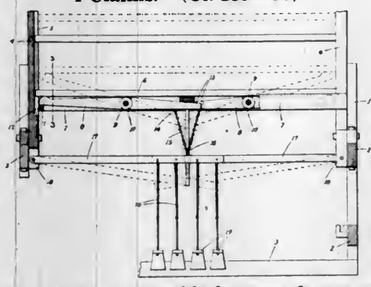
1. In a slide closure of the class described, a frame, a stationary member with openings therein mounted in the frame, a movable member with openings therein mounted in the frame in sliding engagement with said stationary member and adapted to be raised and lowered, the openings in the movable member being out of registry with the openings in the stationary member when the former is in its lowered position and in registry therewith when the former is in its raised position, spacing means in said frame engaging said movable member on the side opposite said stationary member, said stationary member and said spacing means positioning said movable member in the vertical medial plane of said frame, and means mounted on said frame above and connected to said movable member and in the plane thereof for raising said movable member.

2,250,060
FOOTSTOOL ADAPTED FOR USE WITH SANITARY CLOSETS
Reginald Gedye Finlay, Bolney Trevor, Shiplake, England
Application March 7, 1939, Serial No. 260,283
In Great Britain November 1, 1938
3 Claims. (Cl. 4—254)



1. A footstool unit adapted for use with a sanitary closet comprising in combination two footrests, a frame rigidly supporting said foot-rests, said frame consisting of two substantially vertical front legs and two inclined rear legs, the latter legs being connected together by a curved member adapted to slide backward and forward adjacent the closet pan, and each of the said last named legs having a telescopic extension adapted to be anchored to the floor, said extension serving to guide and restrict the movements of the unit relatively to the closet pan.

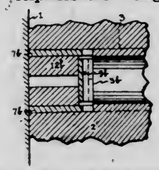
2,250,061
LOOM HARNESS CONTROL
Edward E. Gilmore, Stockton, Calif.
Application January 15, 1941, Serial No. 374,513
In Canada July 19, 1939
4 Claims. (Cl. 139—30)



1. In a loom, a movable harness frame, a pair of substantially longitudinally alined jack levers disposed under the harness frame and pivoted intermediate their ends for vertical swinging movement, opposite ends of said levers engaging and raising the harness frame, overlapping extensions on adjacent ends of said jack levers, a lam mounted beneath said jack levers, means mounting said lam for vertical movement, and connection means between the outer ends of said extensions and a common point on said lam.

2,250,062
PISTON RING
Ernest R. Hellman, Detroit, Mich., assignor to Superior Piston Ring Company, Inc., Detroit, Mich., a corporation of Michigan
Application March 20, 1939, Serial No. 262,827
1 Claim. (Cl. 309—45)

In a composite piston ring, the combination with a cylinder and a piston operating in such cylinder and having an annular groove, of a ring fitted in such groove comprising a split cast iron expansible ring member and a pair of relatively thin split steel expansible ring members dis-



posed at opposite sides of the cast iron member, the inner diameter of the cast iron member exceeding that of the steel members, and a split expander ring compressed between the cast iron member and the bottom of said groove and having portions engaged between the steel members.

2,250,063
TWIN END NECKTIE
Julius Arthur Hirsch, Chicago, Ill.
Application September 18, 1939, Serial No. 295,424
4 Claims. (Cl. 2—146)

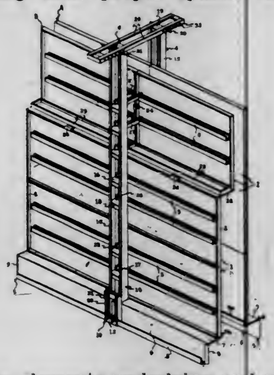


1. A necktie comprising twin end portions and a neck-band connecting the same, separate lining strips for the said resepective end portions extending into said neck band and having their ends opposed to each other within said neck-band, each of said lining strips secured to said respective end portions and said neck-band by a stitch chain extending along the middle of said strip and through opposed edge portions of the material of the body of the tie in spaced relation to the free edges of said material and thereby forming a tubular structure, there being a notch or slit in said free edges between the opposed ends of the lining strips in the neck band extending to the line of said stitch chains.

2,250,064
WALL FORM
Matthew A. Jorsch, Detroit, Mich.
Application March 22, 1939, Serial No. 263,467
15 Claims. (Cl. 25—131)

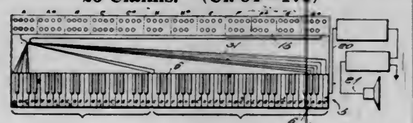
1. A wall form comprising a pair of spaced footing forms having shelf portions projecting toward each other, stanchions seated on such shelf portions, two substantially parallel spaced panels, respectively seated on the shelf portions of the respective footing forms, means detachably securing the panels to the stanchions, and

tie members connecting the footing members and maintaining their proper spaced relation and



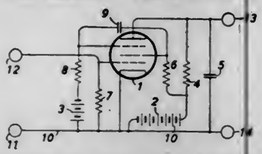
comprising elements underlying and seating said shelf portions.

2,250,065
MUSICAL INSTRUMENT
James A. Koehl, Chicago, Ill.
Application December 7, 1940, Serial No. 368,976
23 Claims. (Cl. 84—171)



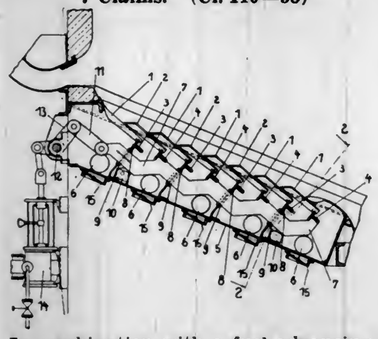
1. A musical instrument comprising mechanism for producing percussive tones in the pitch relation to notes of the even tempered musical scale, said mechanism including playing keys associated with different notes, and means for producing sustained tones in the same pitch relation as said percussive tones and including mechanism related to and responsive to depression of any playing key for rendering effective upon an electrical sound producer a waveform of alternating current having the tone frequency of the note associated with said key and for sustaining the resultant tone for such interval of time as the key shall remain depressed.

2,250,066
MUSICAL INSTRUMENT
James Manatt, Chicago, Ill., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois
Application July 17, 1940, Serial No. 345,928
15 Claims. (Cl. 84—1.17)



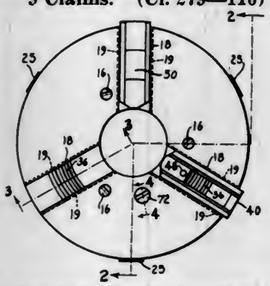
1. In an electrical musical instrument, twelve oscillating frequency dividing systems, each system including a plurality of oscillators electrically coupled together in cascade to secure octave separation of their respective output signals, a system comprising twelve generators respectively producing alternating voltages at the tone frequencies of notes of the even tempered musical scale, each generator including a circuit path for conduction of alternating voltage to the highest frequency oscillator of one of said frequency dividing systems, said generators each comprising a fixed part and a rotatable part, and a constant speed motor for simultaneously driving said rotary parts at the same angular velocity.

2,250,067
MECHANICAL STOKER
Josef Martin, Munich, Germany
Application March 10, 1939, Serial No. 260,990
In Germany February 3, 1938
7 Claims. (Cl. 110—38)



1. In combination with a fuel advancing grate composed of alternate rows of stationary grate bars and movable grate bars, and reciprocatory beams below said grate for supporting and operating said movable grate bars, a partitioned draft chamber below said grate, said draft chamber including a bottom wall and a plurality of parallel partition walls extending upwardly from said bottom wall and transversely with respect to the longitudinal direction of the grate, said stationary grate bars being supported with one of their ends on the upper edges of said partitions and resting loosely with their other end on the movable grate bars in one of the adjacent rows, said reciprocatory beams below said grate bars extending slidably through said partitions, transverse members connecting said beams with each other and supporting one end of said movable grate bars, the other end of which rests loosely on the stationary grate bars in one of the adjacent rows, and movably mounted sealing means between said partitions and said reciprocatory beams for sealing the different sections of the draft chamber from each other.

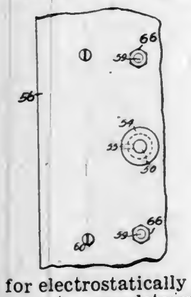
2,250,068
CHUCK
William J. A. McKay and Arthur J. Koon, Grand Rapids, Mich.
Application May 15, 1940, Serial No. 335,358
9 Claims. (Cl. 279—116)



1. In a mechanism of the class described, a

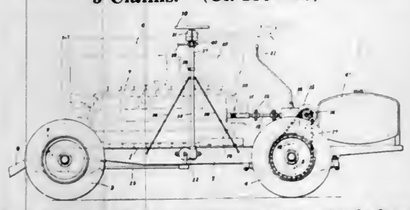
first body member, a second body member, means for fastening the said members together, means for supporting the same, said members being cut away to form an annular seat therein, a scroll element revolubly mounted in said seat, means for revolving the said scroll element as desired, a way cut in one of said members in juxtaposition to the teeth of the scroll element, a shoe slidably mounted in said way, a jaw slidably mounted in said shoe, interengaging means between the said teeth and the jaw and a lost motion connection between the jaw and the shoe.

2,250,069
MEANS FOR PRODUCING ELECTROSTATIC PULSATIONS
Melvin L. Severy, Los Angeles, Calif., assignor to The Vocalsevro Company of Chicago, Chicago, Ill., a corporation of Delaware
Application March 9, 1936, Serial No. 67,922
2 Claims. (Cl. 175—363)



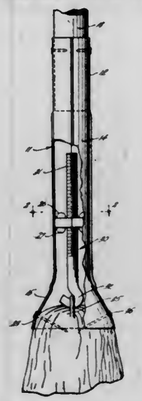
1. A device for electrostatically producing electrical pulsations at a predetermined tone frequency comprising a continuously varying condenser embodying a rotary shaft provided with a primary electrode embodying a rotor fixed to said shaft and having a circular series of similar capacity areas, means for imparting continuous unidirectional motion at an assigned angular velocity to said shaft, a secondary electrode comprising a pair of stators axially spaced apart from each other a distance providing an air dielectric between them, each stator having a circular series of similar capacity areas, said rotor disposed in the space between stators and having its capacity areas capacitatively related to respective capacity areas of the stators and adapted to scan same during continuous unidirectional motion of said shaft and periodically vary the capacity of the condenser and electrostatically produce said electrical pulsations, and an output conductor common to said stators.

2,250,070
TRACTOR TRANSPORTING VEHICLE
Henry P. Simmons, Knights Landing, Calif.
Application October 29, 1938, Serial No. 237,670
3 Claims. (Cl. 180—16)



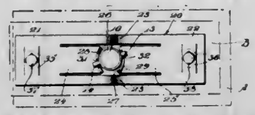
3. A transport for a vehicle, said vehicle having an exposed shaft adapted to be driven from the vehicle; said transport comprising a vehicle supporting bed, pairs of wheels supporting the bed, and a drive mechanism for connecting one pair of said wheels and the shaft and including a shaft unit adapted at one end for disengageable connection with the vehicle shaft, and a manually controlled transmission device included with said drive mechanism and operable from the driver's seat of such bed supported vehicle.

2,250,071
MOP HOLDER
Frederick A. Speik, deceased, late of South Pasadena, Calif., by Edith L. Speik, executrix, South Pasadena, Calif.
Application September 11, 1940, Serial No. 356,350
3 Claims. (Cl. 15—147)



1. A mop holder having a sheet material structure forming a ferrule, a sleeve and a bell socket, the ferrule, sleeve and socket being in two substantially similar half longitudinal sections with outwardly extending flanges diametrically opposite contiguous flanges being connected together, the sleeve having a pair of diametrical internal channels and external ridges terminating at the ferrule and the socket, a nut fitted in the sleeve and having a pair of opposite corners engaging in the internal channels and means restraining the nut from longitudinal movement in the sleeve, the nut being adapted to receive a screw threaded stem of a hook for attaching a mop head to the bell socket.

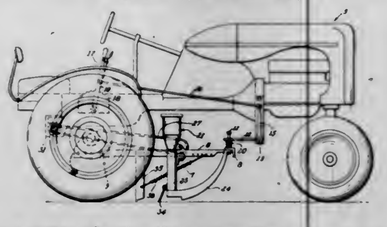
2,250,072
SPRING COUPLING FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 27, 1940, Serial No. 342,805
20 Claims. (Cl. 24—221)



10. In a fastening device, a stud member having a shank provided with a lateral lug, a spring fastening member comprising a sheet metal section defining a base and a pair of cooperating spring elements extending in the same general direction to one side of said base, said spring elements having spaced free ends defining an opening therebetween receiving said shank of the

stud member in fastening position, a bent portion on at least one of said spring elements adjacent the free end thereof defining a resiliently disposed abutment, and means provided on said abutment for engaging said lateral lug on the stud with progressively increasing spring force upon relative rotation of said stud and spring fastening members, said means comprising a cam surface formed on the extremity of said bent free end portion of the spring element and merging into a recess receiving said lateral lug to lock the stud in such fastening position.

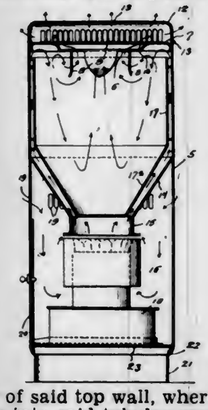
2,250,073
CORN PLANTER
John A. Weimer, Salisbury, Pa., assignor of one-half to Lawrence O. Weimer, Salisbury, Pa.
Application July 11, 1940, Serial No. 344,963
1 Claim. (Cl. 111—59)



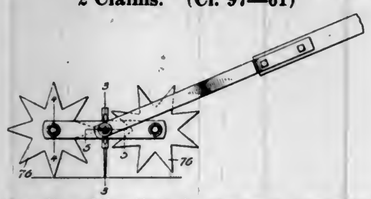
In a corn planter for a tractor, a pair of side bars pivotally and adjustably mounted on a rear portion of a tractor and extending forwardly under the latter, spaced cross members connecting said bars with one of said members located at the forward ends of the bars and the other member located on the bars a limited distance rearwardly of the forward ends of said bars, planting mechanisms detachably and adjustably secured on said members and adjustable transversely of the tractor and toward and from each other, an arm yieldably connected to the forward cross member, a hanger secured to the tractor and including a rotatably supported shaft having said arm secured thereto and a lever secured to said shaft, and an operating means for releasably securing said shaft and for the rotation of the shaft in opposite directions to increase and decrease the depth of action of the planting mechanisms in the soil.

2,250,074
PORTABLE HEATER
Harry Weldon, San Antonio, Tex.
Application August 19, 1940, Serial No. 353,300
3 Claims. (Cl. 126—96)

1. A portable heater of the character described, comprising an upright tubular casing having a top wall provided with a relatively large central opening, a frusto-conical member fitted in the intermediate portion of the casing and terminating at its lower end in a tubular hot air inlet, the casing having cold air inlets below said frusto-conical member, a tubular member fitted in the upper portion of the casing and slightly spaced inwardly therefrom, said tubular member having a conical lower portion spaced inwardly from said frusto-conical member and closed at the bottom, the space between the tubular member and the upper portion of the casing and between the frusto-conical lower portion of said tubular member and said frusto-conical member providing a passage on all sides of the casing for the upward flow of heated air in contact with the upper portion of the casing, and a burner within the lower portion of the casing below said frusto-conical member for heating the air admitted in the lower portion of the casing, the top wall of the casing having an outer portion of upwardly arched form in cross section, and deflectors depending from the top wall of the casing at uniformly spaced points about the central opening of said top wall, whereby the heated air may pass into said tubular member from the space between the latter and the upper portion of the casing prior to passing upwardly through the central opening in the top wall of the casing.



2,250,075
GARDEN DISK RAKE
Fred Werb, Willow Grove, Pa.
Application May 29, 1939, Serial No. 276,437
2 Claims. (Cl. 97—61)



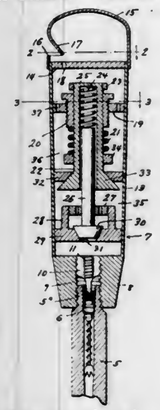
1. A soil cultivating implement comprising a tined rake unit, a frame, bracket connection means between the frame and the tined rake unit, a handle connected with the frame for manipulating the tined rake unit, and a gang of soil cutting tools rotatably related to said frame, said bracket connection means including means for adjusting the gang of soil cutting tools vertically with respect to the tined rake units.

2,250,076
GAUGE
Stanley Jaffa Harley and John Ernest Wainwright, Coventry, England
Application August 13, 1940, Serial No. 352,462
In Great Britain December 16, 1939
3 Claims. (Cl. 33—199)



1. A gauge for gauging screw-threads in the wall of a bore of a work-piece, said gauge comprising a cylindrical head insertible into, and withdrawable from, such bore by a straight thrust axially of said head, in combination with a plurality of gauging elements mounted on said head adjacent the periphery thereof for rotation about axes parallel to the axis of said head, each said element having a series of external segmental serrations extending radially beyond the periphery of said head when the respective elements are moved about their respective axes to operative gauging position, said serrations lying in their entireties radially inward of the peripheral face of said head when said elements respectively are rotated about their respective axes to non-gauging position.

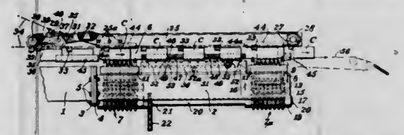
2,250,077
TIRE PRESSURE SIGNAL
Harold G. Henry, King City, Calif., assignor of one-half to Angelo L. Morgantini, Greenfield, Calif.
Application November 29, 1939, Serial No. 306,731
1 Claim. (Cl. 116—34)



A tire deflation signal comprising a shell adapted for attachment to the valve of a tire tube and including means for holding said valve open when the shell is attached, a whistle on said shell, and means to operate said whistle on decrease of air pressure in said tube comprising a spring tensioned normally closed valve in said shell opening inwardly thereof under normal air pressure in said tube to admit a charge of air under pressure into said shell for passage to said whistle, a spring tensioned normally open valve in said shell intermediate the normally closed valve and said whistle closing under opening of the normally closed valve to block passage of said charge of air to said whistle while the normally closed valve is held open by normal pressure in the tire, and a pair of stems for said normally closed and open valves, respectively, endwise movable relatively and one telescoping in the other the spring of one of said normally closed and open valves being housed in one of said stems, and the spring of the other of said valves surrounding said one stem.

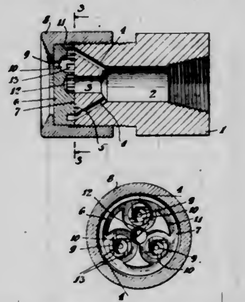
2,250,078
APPARATUS FOR REMOVING FLUX FROM SOLDER BONDED SIDE SEAMS
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 22, 1938, Serial No. 215,243
4 Claims. (Cl. 15—88)

1. An apparatus for washing flux from the region of the side seam of a can body comprising longitudinally disposed supporting means for the can bodies, a conveyor for moving the can bodies continuously in spaced relation along the supporting means, a brush supported in position for



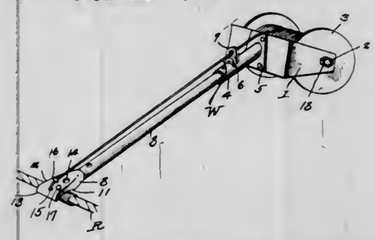
contacting with the metal parts of the can body in the region of the inner face of the side seam, and means for projecting water against the outer face of the side seam and against the brush in the spaces intervening the passing can bodies.

2,250,079
MULTIPLE ATOMIZING SPRAYER PLATE
James McDonald, Weehawken, N. J., assignor to Todd Combustion Equipment, Inc., New York, N. Y., a corporation of New York
Application July 20, 1939, Serial No. 285,480
4 Claims. (Cl. 299—120)



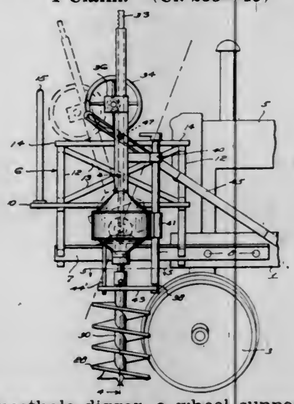
1. A sprayer plate for liquid fuel having a plurality of atomizing orifices, said plate having incorporated therein an individual whirling chamber for each orifice, a central depression, an annular groove, and tangential slots communicating with said chambers respectively from said central depression and annular groove.

2,250,080
SEIZING AND SERVING TOOL
Herbert M. Quinn, Bangor, Maine
Application March 19, 1941, Serial No. 384,184
5 Claims. (Cl. 57—10)



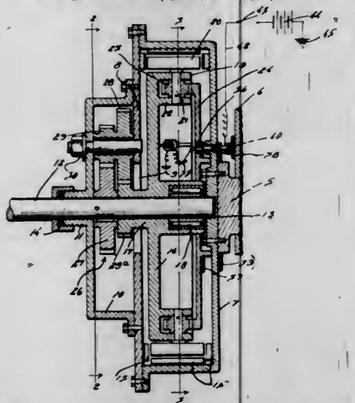
1. A combined serving and seizing tool including a head, said head having opposed concave and convex surfaces converging to a transverse lip at one end, an arm extending from the other end of the head, and spaced means on the convex surface of the head for frictionally engaging a strand carried by the head, and a spool removably connected to the arm.

2,250,081
POSTHOLE DIGGER
Roger June Piper, Princeton, Ill.
Application June 10, 1940, Serial No. 339,780
1 Claim. (Cl. 255—19)



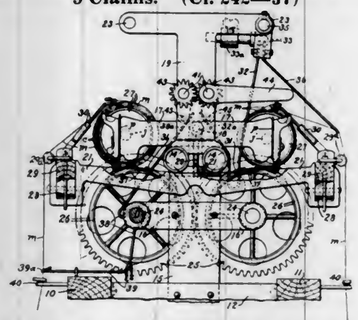
In a posthole digger, a wheel supported chassis, a motor on said chassis, a frame structure at the front end of said chassis, an upright digger shaft at one side of said frame, means to mount said shaft on said frame for rotary and endwise sliding movement vertically and also for tilting movement into different angular positions, means operatively connecting said motor to said shaft to rotate the same during endwise movement thereof, means to move said shaft endwise into different set positions at will, means to lock said shaft in different angular positions, a convolute digger element fast on the lower end of said shaft and means to lock said shaft and digger against endwise movement in a downward direction.

2,250,082
FLUID DRIVE
Harry W. Robinson, Sharpsville, Pa.
Application January 28, 1941, Serial No. 376,374
2 Claims. (Cl. 74—293)



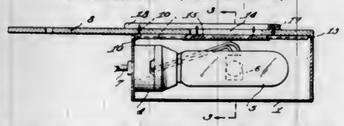
1. In a fluid drive, a fluid housing secured to and driven by a power source, blades mounted on walls of the housing and arranged in annular groups, a load shaft journaled in the housing, a driven disc journaled on the shaft within the housing, blades coacting with the first-named blades and fluid in the housing and rotatably mounted on the disc to establish a variable speed drive between the housing and the disc and for interrupting the drive between said housing and disc, a gear reduction drive means connecting the disc to the load shaft, gears secured to the second-named blades, a ring gear rotatably mounted in the housing and meshing with said gears, coactive stops on the ring gear and the disc for limiting the rotation of the ring gear in one direction, a spring acting on the ring gear to bring the stops into engagement with each other, and electrical means connected to the ring gear and the disc for rotating the ring gear in a reverse direction from the spring.

2,250,083
AUTOMATIC PACKAGE-STOP OF WINDING MECHANISMS
Fred Rosskopf, Altoona, Pa., assignor to Paragon Textile Company, New York, N. Y., a corporation of Pennsylvania
Application July 29, 1940, Serial No. 348,122
5 Claims. (Cl. 242—37)



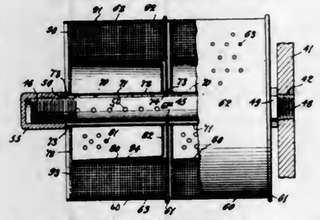
1. In an automatic package-stop of a winding mechanism, the combination with a rotator, and a rotary package of material normally having its periphery in frictional contact with the periphery of the rotator in proper relation to be rotated thereby, of a pair of supporting elements tangentially disposed near opposite ends of said rotator, means normally in frictional contact with the rotator and adapted to be carried thereby under said rotary package when not restrained and to ride upon said supporting elements and out of contact with said rotator so as to cooperate with the said supporting elements in moving said package out of frictional contact with the rotator, and restraining means operatively engaged with the first said means and normally engaged with said material for cooperation with the latter in normally restraining the first said means from moving into contact with said rotary package.

2,250,084
ILLUMINATED TESTING DEVICE
Raymond R. Schieck, Detroit, Mich.
Application July 10, 1940, Serial No. 344,812
3 Claims. (Cl. 88—14)



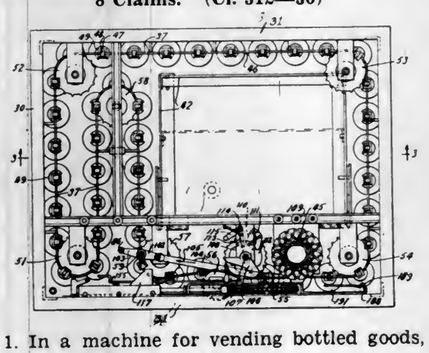
1. An illuminated testing device for a spacer protector of a permanent wave machine, comprising a casing having an open top, a removable cover closing the top and having a longitudinally extending slot therein, illuminating means within the casing and arranged for the passage of light rays through the slot, transparent means closing the slot, said cover being of a length to extend beyond one end of the casing to provide supporting means for the protector, an elongated substantially U-shaped member secured to the cover for arrangement of the arms thereof upon opposite sides of the slot and beyond one end of the latter for disposal on the supporting means, and said member being adapted to guide and facilitate holding the protector in the path of the light rays through the slot.

2,250,085
APPARATUS FOR UNIFORMLY DYEING RAYON CAKES
Ernest A. Stienen, Yorktown, N. Y.
Application December 19, 1939, Serial No. 309,932
3 Claims. (Cl. 68—189)



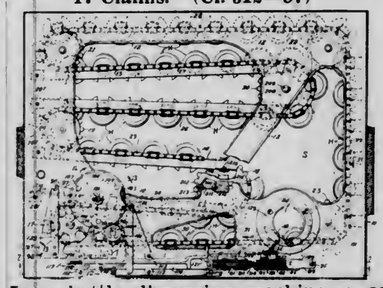
1. In an apparatus for dyeing rayon cakes the combination of a supporting spindle having perforations, a plurality of baskets having outer cylindrical walls with perforations coaxial with and supported on the spindle, each of said baskets being adapted to support a rayon cake having an inner tapered longitudinal face, an adjuster in each basket and coaxial therewith, a core for each adjuster surrounding the supporting spindle, each adjuster having an outer tapered wall with perforations adapted to bear against the tapered face of its coacting rayon cake, each adjuster having a disc shaped wall at one end adapted to bear against one of the rayon cakes and a wall at its other end, means to longitudinally move each adjuster to simultaneously compress the rayon cakes to a desired pressure and density.

2,250,086
MACHINE FOR VENDING BOTTLED BEVERAGES
Max Hermann Voigtritter, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application October 21, 1937, Serial No. 170,230
8 Claims. (Cl. 312—36)



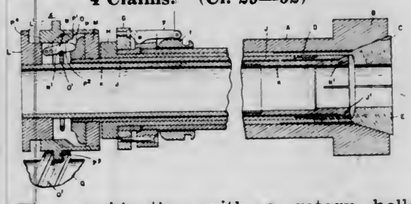
1. In a machine for vending bottled goods, a casing having a discharge opening in its top, means comprising an overhead conveyor for supporting and conveying a plurality of bottles in upright positions so as to present said bottles successively to a point substantially beneath said opening, means for engaging a bottle thus presented and moving the same out of engagement with the conveyor and upwardly to a position wherein it is accessible to a customer through said opening, and means operable from the exterior of the machine for actuating said conveying and elevating means.

2,250,087
BOTTLE VENDING MACHINE
Max Hermann Voigtritter, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application July 3, 1939, Serial No. 282,659
17 Claims. (Cl. 312—87)



1. In a bottle dispensing machine, a casing having a bottle delivery opening, means for feeding bottles successively to a position in the vicinity of said opening, means for projecting a bottle thus positioned into said opening, and a device for rendering the machine inoperable upon the occurrence of an interruption in the succession of bottles approaching the opening, said device including a feeler carried by said bottle-projecting means and adapted to travel longitudinally of and in contact with the side of a bottle subsequent in the line of succession to the one being projected, and means controlled by said feeler and adapted to render said device ineffective as long as there is a bottle in position to be contacted by said feeler and to render the same effective when no bottle is present in said position to prevent further operation of the machine until said device is reset by the operator.

2,250,088
STOCK FEEDING MEANS FOR HOLLOW ROTARY SPINDLES
Samuel Baxendale, Dearborn, Mich., assignor to Modern Collet & Machine Company, Ecorse, Mich., a corporation of Michigan
Application May 8, 1939, Serial No. 272,487
4 Claims. (Cl. 29—62)



1. The combination with a rotary hollow spindle, of means for feeding stock therethrough comprising a pair of concentric tubes longi-

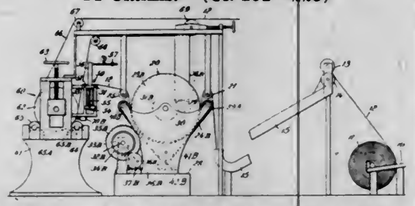
tudinally slidable within said spindle, a collet at the forward end of said tubes positively actuated to contract and to release the same by a relative movement of said tubes, means at the rear ends of said tubes for positively reciprocating one, and means operating upon the reversal of said reciprocating means for positively relatively moving said tubes to contract said collet prior to its movement in the forward direction and to release said collet prior to its return movement.

2,250,089

TEXTILE PRINTING APPARATUS

Murray N. Bulford, Clearwater, S. C., assignor to United Merchants & Manufacturers, Inc., New York, N. Y., a corporation of Delaware

Application August 30, 1939, Serial No. 292,595
14 Claims. (Cl. 101—228)



4. The combination of a printing unit and a machine for propelling and stretching a web to be printed, the printing unit having a pressure cylinder and a printing roll arranged to propel the web, and a tensioning device interposed between the printing unit and the stretching machine.

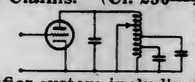
12. The combination of a scray, means for feeding a web into the scray, a printing unit, and means between the scray and the printing machine for stretching and tensioning the web and directing the web to the printing unit.

2,250,090

ARRANGEMENT FOR TUNING HIGH FREQUENCY OSCILLATION CIRCUITS

Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 5, 1939, Serial No. 297,978
In Germany September 28, 1938
7 Claims. (Cl. 250—40)



1. An amplifier system including a vacuum tube having in its anode circuit inductance and parallel capacity, and a fixed capacity fixedly connected in parallel to a portion only of said inductance, a relatively small inductance placed in series with said last fixed capacity, and tapping means directly connected between the end of said first inductance removed from said anode and an intermediate point on said first inductance for shortening out of said circuit an adjustable portion of said first inductance, said adjustable portion including a part of that portion across which said fixed capacity is fixedly connected.

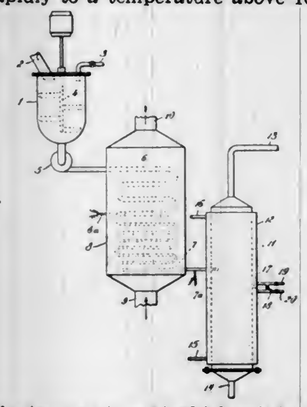
2,250,091

DEHYDRATION OF MALEIC ACID

George B. Campbell, Manhasset, and Frank Porter, Syracuse, N. Y., assignors to The Solvay Process Company, New York, N. Y., a corporation of New York

Application March 27, 1939, Serial No. 264,408
15 Claims. (Cl. 260—343)

1. The method of decomposing maleic acid to maleic anhydride which comprises mixing the maleic acid with sufficient heat-stable, fluid flux, chemically inert to maleic acid and maleic anhydride, to provide a fluid mixture, heating the mixture rapidly to a temperature above 160° C. but



below the temperature at which substantial pyrolytic composition of maleic anhydride occurs under pressure and then reducing the pressure on the mixture to effect separation of water vapor therefrom.

2,250,092

METHOD OF PURIFYING ORGANIC MATERIALS

Robert Bangs Colgate, Huntington, N. Y., and Emil Edward Dreger, Summit, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application March 28, 1940, Serial No. 326,395
18 Claims. (Cl. 260—504)

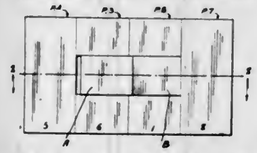
1. The process of purifying organic sulphonates which comprises heating an organic sulphonate and a fluxing material with a saponifying reagent, in an inert atmosphere and in the substantial absence of liquid water, to a temperature not lower than the melting point of the reaction mixture throughout the treatment, meanwhile passing a stream of inert gas through the molten mixture.

2,250,093

NOVELTY FOLDER

Albert B. Comroe, New York, N. Y.

Application April 8, 1940, Serial No. 328,424
2 Claims. (Cl. 273—155)



1. An article of the character described comprising a sheet having three folds so as to produce four leaves constituting eight pages, four of said eight pages occurring on one side of said sheet in the order of 5, 6, 1, and 2, and the remaining four on the other side of said sheet in the order of 7, 8, 3, and 4, so that pages 5 and 4, pages 6 and 3, pages 1 and 8, and pages 2 and 7 are disposed respectively on either side of the same leaf, and an integral flap cut from the two central leaves comprising pages 8 and 1, and pages 3 and 6, said flap remaining uncut at the inner edge of the last leaf comprising pages 2 and 7, said sheet being folded and said flap having its free end connected, through the opening left by the cut flap, to the inner edge of the first leaf comprising pages 4 and 5 so that and whereby the resulting composite sheet functions as a hinged two-leaf folder, pages 1, 2, 3 and 4 being disclosed in a first position thereof and whereby a second position thereof disclosing pages 5, 6, 1 and 4 is attained by closing the folder in the first position to cause page 2 to overlie page 3 and then separating pages 1 and 4 at the hinge of the folder in the first position, and whereby a third position thereof disclosing pages 2, 3, 7 and 8, is attained by completely opening the folder in the first position to cause page 4 to overlie page 1 and then separating pages 2 and 3 at the hinge of the folder in the first position.

2,250,094

GARMENT FOR LADIES

Charles A. Cornibert, Bayside, N. Y., and Howard J. Levi, Los Angeles, Calif.

Application January 10, 1941, Serial No. 373,910
14 Claims. (Cl. 2—113)



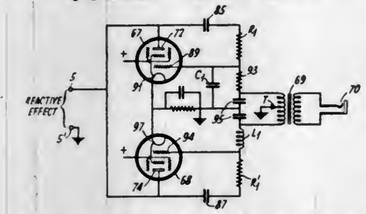
1. A lady's garment comprising a brassiere portion having cupped breast pockets, a neckwear portion for wear with at least a part thereof exposed, and means connecting said brassiere portion with said neckwear portion at the front of said garment and also at the back of said garment.

2,250,095

WAVE CONTROL AND CONTROL CIRCUIT

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 25, 1938, Serial No. 209,919
6 Claims. (Cl. 179—171.5)



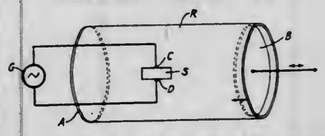
1. A variable impedance comprising a pair of electron discharge tubes with their anodes and cathodes in a common alternating current circuit, capacitive phase shifter means and inductive phase shifter means connected with each of said tubes respectively for feeding phase shifted voltages from said common circuit to corresponding respective input electrodes in said tubes, said voltages fed to said input electrodes being in phase quadrature relative to the alternating voltages on the anodes of said tubes, and means including a reactive connection between a source of control potential and the said input electrodes for varying the amplification of said tubes to produce a variable impedance in said common circuit.

2,250,096

RESONANT SYSTEM FOR ULTRA SHORT WAVES

Willi Engbert, Berlin-Zehlendorf, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application September 14, 1940, Serial No. 356,819
In Germany July 5, 1939
6 Claims. (Cl. 178—44)



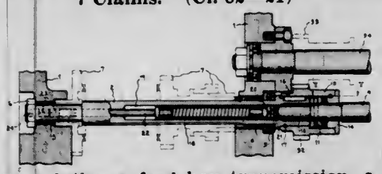
1. An ultra short wave system comprising a resonant chamber having an aperture intermediate the ends thereof, and a source of ultra high frequency waves connected to points on opposite sides of said aperture, said points being so chosen that the distance from one point to the other around the periphery of the aperture is approximately one-half wavelength of the operating frequency.

2,250,097

FEED CONTROL MECHANISM FOR LATHES

William F. Groene and William A. Kimsey, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application July 31, 1940, Serial No. 348,910
7 Claims. (Cl. 82—21)



1. In a lathe, a feed box transmission, a tool carriage, means for driving said feed box transmission, means for connecting said transmission to said carriage to actuate it in feeding movement, said connecting means incorporating an overload clutch device, means for rendering said device effective when the movement of said carriage is impeded, and means operated by the movement of said carriage to a predetermined point and acting on said overload clutch device rendering said device effective to disconnect said feed box transmission from said tool carriage.

2,250,098

PROCESS OF PREPARING WATER-CONTAINING DYESTUFF PREPARATIONS OF HIGH CONCENTRATION

Albin Hardt and Albert Funke, Frankfort-on-the Main, and Hermann Köcher, Dessau-Haideburg, Anhalt, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application August 3, 1938, Serial No. 222,808. In Germany August 3, 1937
13 Claims. (Cl. 8—76)

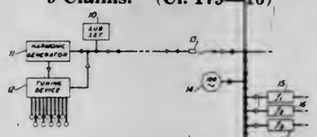
1. The process of producing water-containing

dyestuff preparations of high concentration, which comprises adding to a suspension of the dyestuff in water fluid compounds in a small quantity not sufficient to break the suspension selected from the group consisting of water-insoluble and difficultly water-soluble compounds of the aliphatic and isocyclic series and mixtures of such compounds, mixing intimately, and removing the excess water mechanically whereby the high concentration dyestuff is obtained.

2,250,099
ANTIFRICTION COMPOSITION
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application March 28, 1939, Serial No. 264,587
1 Claim. (Cl. 171—325)

An electrical apparatus brush material formed of a heterogeneous metal composition formed of 40 to 70% of particles of metal selected from the group consisting of molybdenum and tungsten, interspersed with .1 to 10% of metal selected from the group consisting of iron, cobalt and nickel and the balance substantially all a soft low melting metal composed predominantly of metal selected from the group consisting of lead and tin, said low melting metal not exceeding 50% of said composition, said low melting metal binding said composition together.

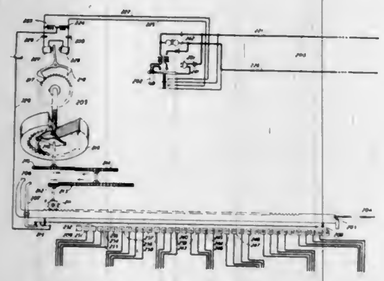
2,250,100
SIGNALING SYSTEM
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 14, 1939, Serial No. 304,309
9 Claims. (Cl. 179—16)



1. The combination in a signaling system of a line, a harmonic generator responsive to current of a base frequency on said line for reflecting harmonics of the base frequency into said line for transmission thereon, and means for suppressing certain of the generated harmonics comprising a plurality of vibratile reeds each having a natural period of vibration corresponding to a particular one of the generated harmonics, an impedance coil responsive to the generated harmonics for vibrating said reeds, said coil presenting an impedance during the vibration of said reeds such that the harmonics corresponding to the natural period of the vibrating reeds are transmitted over said line with no appreciable loss and means for damping said reeds whereby said coil presents an impedance at frequencies corresponding to the natural periods of the damped reeds such that the corresponding harmonics are suppressed.

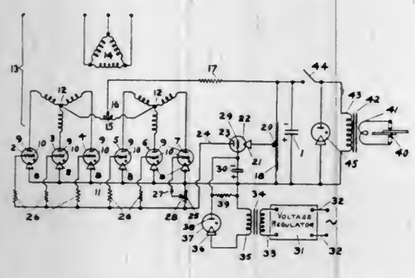
2,250,101
TELEPHONE SYSTEM
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 7, 1939, Serial No. 308,036
16 Claims. (Cl. 179—18)

1. In a telephone system, a central office, a calling subscriber's line terminating therein, a signal transmitter at the calling substation capable of being preset by the subscriber in accordance with a desired called line designation, a distributor at the substation for sending over the line code impulses representing the preset designation, a distributor at the central office driven



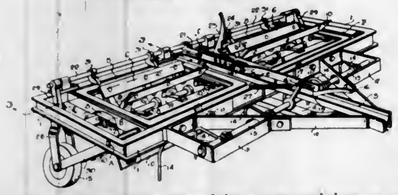
in synchronism with said first distributor, registers operated by said central office distributor in accordance with the code impulses received for registering the desired designation, and automatic switches controlled in accordance with the registered designation for extending said calling line.

2,250,102
CONDENSER CHARGING SYSTEM
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 18, 1940, Serial No. 346,237
8 Claims. (Cl. 171—97)



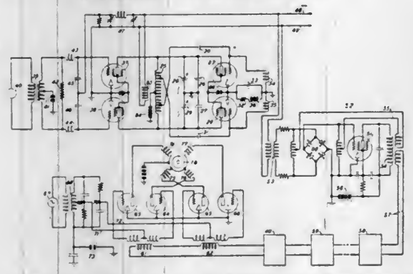
3. In combination, a condenser, rectifying means adapted to be energized from a source of alternating current for supplying charging current to said condenser, said rectifying means comprising a rectifying space discharge tube through which the discharge is controlled by a control electrode, a continuous control type tube having a pair of electrodes upon which a voltage proportional to the voltage across said condenser is impressed and a control electrode for controlling the discharge between said pair of electrodes, means for impressing a reference voltage on the last-named control electrode, and means responsive to the current flowing through said last-named tube for impressing a discharge-inhibiting voltage on the first-named control electrode, said last-named tube being adapted to conduct a sufficient amount of current to cause a substantial current to flow through it when the voltage across said condenser has risen to a predetermined value.

2,250,103
STALK CUTTING MACHINE
McCabe Locke and Grover J. Locke, Dallas, Tex., assignors of one-third to C. H. Ferguson, Dallas, Tex.
Application July 20, 1940, Serial No. 346,494
5 Claims. (Cl. 55—61)



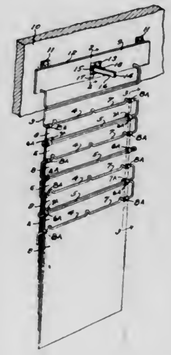
1. A stalk cutting machine comprising a main frame and a pair of sub-frames carrying rotary cutters operative on individual shafts in said sub-frames in axial relationship, said sub-frames being pivoted intermediate their ends to said main frame to rotate on axes in transverse relation to the major axis of said main frame, a wheel mounting situated on either end of said main frame carrying wheels and capable of retraction, a shaft disposed forwardly of said main frame in parallel relation thereto, rakes carried by said shaft and movable therewith, a shaft rearwardly of said frame, lugs carried by said latter shaft arranged to overlie said sub-frames to lock the same against pivotal movement during inoperative periods of said rotary cutters, means connecting said latter shaft with said wheel mountings and means carried by said main frame for effecting simultaneous rotation of said rake and lug shafts to alternate the positions of said cutters and wheels with respect to the ground and to similarly actuate said rakes.

2,250,104
FREQUENCY REGULATION
John F. Morrison, Boonton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 30, 1940, Serial No. 326,898
8 Claims. (Cl. 179—171.5)



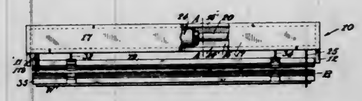
1. The method of regulating the average frequency of a frequency modulated carrier wave oscillator which comprises producing from the modulated carrier wave by frequency division a subharmonic oscillation having diminished frequency modulation and a mean frequency such that the side-bands of higher order than the first representing the diminished modulation are substantially suppressed, beating the subharmonic oscillation with oscillations of fixed frequency to produce a beat current of the difference frequency, and controlling the frequency of the carrier wave in accordance with the mean frequency of the beat oscillation in such sense as to diminish the beat oscillation frequency.

2,250,105
PRESSING RACK
Harry Platnik, Washington, D. C.
Application November 14, 1939, Serial No. 304,439
1 Claim. (Cl. 38—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The combination of a clothing rack pivoted on a horizontal axis having a plurality of bars disposed substantially parallel and horizontal in a common plane, latch means to adjustably hold the rack in selected angular positions, alternate bars being adapted to receive garments, and pressing platens pivoted to said bars to engage the garments under the influence of gravity.

2,250,106
VENETIAN BLIND HEAD BAR ORGANIZATION
Hans K. Lorentzen, Montclair, N. J., assignor to Lorentzen Hardware Mf'g Corp., New York, N. Y., a corporation of New York
Application November 29, 1938, Serial No. 242,876
24 Claims. (Cl. 156—17)

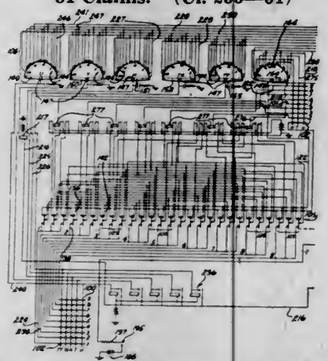


1. A Venetian blind head bar organization comprising, a housing, a rotatable and reciprocable member in said housing to receive elevator cords, means positioned at spaced intervals intermediate the ends of said member and arranged to contact said member in spaced relation to the periphery thereof to support said member, means for rotating said member, and means for causing reciprocation of said member in response to the rotation thereof.

2,250,107
CONCRETE
John S. Nelles, Detroit, Mich., assignor to The Detroit Edison Company, Detroit, Mich., a corporation of New York
No Drawing. Application September 2, 1939, Serial No. 293,303
11 Claims. (Cl. 106—97)

10. A concrete mixture comprising cement, a coarse aggregate and fly ash, the volume of fly ash present being greater than the amount of the cement.

2,250,108
COMPUTING SYSTEM
Harold Glenn Johnstone, Oak Park, and Charles William Robbins, La Grange, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 28, 1928, Serial No. 302,462
81 Claims. (Cl. 235—61)



1. In an electrical computing system, means operable for setting up digits, a source of electrical energy, a computing means including elements representing computations of a plurality of digits, and means for completing circuits through all the operated setting up means and computing means and the source of electrical energy to transmit impulses representing the result of a computation.

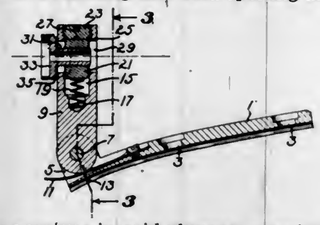
6. In an electrical computing system, a source of electrical energy, means for setting up digits, a computing commutator having elements representing computations of a plurality of digits, a plurality of circuits connecting the setting up means with the elements on the commutator, means for rotating the commutator to complete the circuits closed by the setting up means to transmit electrical impulses representing the result of a computation, means for routing the electrical energy into proper denominational columns, selecting means controlled by the electrical impulses, a plurality of perforating members cooperating with said selecting means, and means for actuating the selecting means to select the perforating members whereby the result of the computation is perforated in a statistical record card.

8. In a multiplying machine, an accumulator, electrical controlling means for said accumulator, contact-making means having multiplication table characteristics for controlling said accumulator controlling means, means for rendering operable said contact-making means, and means for timing the operation of said contact-making means.

80. In a cyclically operating multiplying machine, a normally ineffectively cycling power driven multiplying means, and other power driven cyclically operated devices for rendering said multiplying means effective at predetermined times in multiplying cycles to form a succession of partial products.

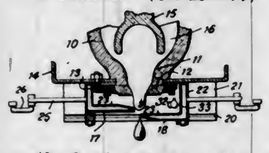
2,250,109
ADJUSTABLE SIGHT
Dean W. King, San Mateo, Calif.
Application October 2, 1939, Serial No. 297,454
9 Claims. (Cl. 33—56)

1. An adjustable sight comprising a sight body having a longitudinal bore therein and an elongated opening transverse and intersecting said bore, a transversely apertured plunger slidably fitted in said bore, a sight disc having an apertured stem extending into said opening and fitted



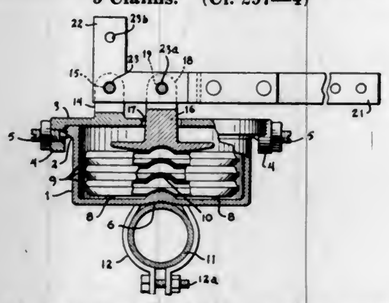
into the aperture in said plunger, a spring in said bore acting against one end of said plunger, and means for advancing said plunger and sight disc against said spring by known increments.

2,250,110
GLASS FEEDING
Peter Kucera, Allison Park, Pa.
Application November 9, 1939, Serial No. 303,510
8 Claims. (Cl. 49—77)



1. The method of severing glass which consists in passing fluid under pressure through a mass of molten glass and increasing the pressure of said fluid as the severing operation proceeds.

2,250,111
SURFACE TYPE DAMPER REGULATOR
John M. Larson, Chicago, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 3, 1937, Serial No. 162,327
5 Claims. (Cl. 297—4)



1. A regulator adapted for surface mounting upon a pipe or conduit comprising in combination, a casing containing an expansible and contractible thermostatic cell, said casing having a concave base portion conforming to the contour of a pipe upon which the casing is adapted to be mounted, clamping means extending around said pipe for clamping said casing to said pipe, said casing having a cover rotatable with respect to said base portion, a fulcrum support carried by said cover, a lever arm fulcrumed in said fulcrum support, and actuating means extending through said cover from said thermostatic cell to said lever arm for causing rotation of said

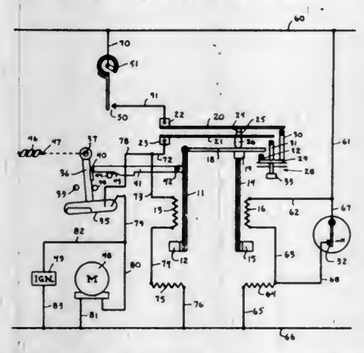
lever arm about its fulcrum upon expansion or contraction of said thermostatic cell, said lever arm having a pair of points adapted for cooperation with said actuating means, said points being equidistantly spaced from said lever arm fulcrum and spaced from each other so that the line between one point and said fulcrum is substantially normal to the line between the other point and said fulcrum whereby reversing said lever arm in said fulcrum support varies the position of said lever arm for adapting the regulator for mounting upon either a vertical pipe or a horizontal pipe.

2,250,112
HAIRBRUSH
Helmar Larson, New Brunswick, N. J., assignor of one-third to Michael M. Tuleja, and one-third to Fred C. Hartbower, both of New Brunswick, N. J.
Application April 22, 1939, Serial No. 269,391
2 Claims. (Cl. 15—159)



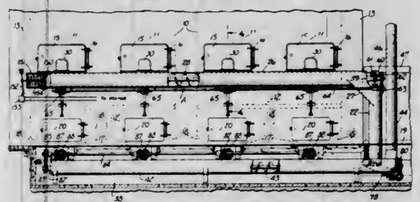
1. A hairbrush comprising a brush back, bristle bunches affixed to said back for projection therefrom to form the bristle face of the brush, the bristles of each bunch being disposed in relatively divergent extension from the bunch root toward their free extremities, and the bristles forming said bunches being of smooth, firm but flexible character and of polygonal cross sectional shape whereby the same are provided with laterally projecting sharp edges along the length thereof.

2,250,113
FUEL BURNER CONTROL SYSTEM
Arthur H. Lockrae, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 21, 1939, Serial No. 310,391
8 Claims. (Cl. 158—28)



1. A fuel burner control system comprising in combination, a fuel feeding device, an ignition device for the fuel, control means having a first position in which said fuel feeding and ignition devices are inoperative and a second position in which it renders said devices operative, power means operative in response to a demand for heat for moving said control means from its first to its second position and then moving out of cooperative relation therewith, and means for positively moving said control means back to its first position in the event of a flame failure following the establishment of combustion.

2,250,114
AUTOMATIC FURNACE
Nathan M. Lower, Erie, Pa.
Application May 17, 1938, Serial No. 208,381
7 Claims. (Cl. 110—105.5)



1. A stoker for a plurality of furnaces arranged side by side, each of said furnaces having a furnace front provided with a firing opening, said stoker comprising a fuel feed conduit spaced from and extending along said furnace fronts substantially at the level of the lower margin of said firing openings, a screw conveyor in said conduit for advancing fuel therethrough, a plurality of feed devices, each of said devices communicating at one end with said conduit for receiving fuel therefrom and communicating at their respective other ends with a respective firing opening, said feed devices each including an upright conveyor screw for elevating fuel to a respective firing opening, means for raising and lowering said upright conveyor screws for varying the amount of fuel delivered to said firing openings by said upright conveyor screws, and means at said openings for projecting fuel into said furnaces in aerial paths.

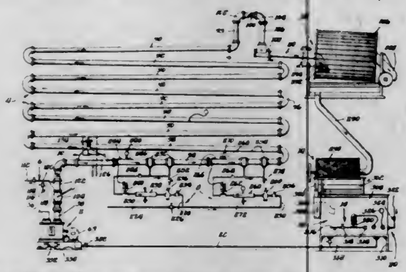
2,250,115
MATERIAL TO BE USED IN CONNECTION WITH YARN SIZING
Frederick W. Mayer, Taunton, and Elliott D. Cole, Dighton, Mass., assignors to Arnold, Hoffman & Co. Incorporated, a corporation of Rhode Island
No Drawing. Application November 15, 1937, Serial No. 174,732
15 Claims. (Cl. 106—211)

1. A yarn sizing assistant in a finely-divided solid state comprising a hydrogenated fat of a material selected from the group consisting of higher fatty acids of over 10 carbon atoms and their glycerides; and starch.

2,250,116
PROCESS AND APPARATUS FOR TREATING FOOD MATERIALS
Winford E. Nicholoy, Columbus, Ohio, assignor to Scott-Viner Company, Columbus, Ohio, a corporation of Ohio
Application December 17, 1937, Serial No. 180,426
17 Claims. (Cl. 146—194)

1. A process for treating a food commodity, comprising feeding a washer fluid to a washer station, injecting another fluid into the said washing fluid to create a condition of turbulence in said washing fluid, and then introducing and submerging the commodity in said turbulent

mixture to effect a thorough cleansing of the commodity by the turbulence of the mixture, exhausting the second fluid from the mixture and blanching the commodity in the remaining fluid.

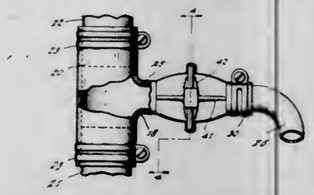


2,250,117

FITTING FOR AUTOMOBILE-BODY HEATING SYSTEM

Quintin G. Noblitt and Earl C. Booth, Columbus, Ind., assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application November 5, 1938, Serial No. 238,982
4 Claims. (Cl. 251—5)



1. A fitting for use in connecting an automobile-body heater of the circulating fluid type into the engine cooling system, said fitting comprising a unitary T of compressible material having a run and a lateral integral with each other, the ends of said run and the outer end of said lateral being adapted to receive rigid conduits, and means associated with said lateral for collapsing its walls to regulate the quantity of water passing through it.

2,250,118

ISOMERIZATION OF HYDROCARBONS

Wilhelm Carel Brezesinska Smithuysen, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 6, 1939, Serial No. 260,147. In the Netherlands April 1, 1938
4 Claims. (Cl. 260—676)

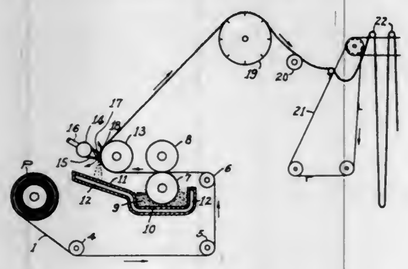
2. A process for the conversion of a normal paraffin hydrocarbon to a branched chain paraffin hydrocarbon containing the same number of carbon atoms which comprises contacting a saturated hydrocarbon fraction consisting essentially of a normal paraffin hydrocarbon having four to nine carbon atoms in the liquid phase in the presence of hydrogen chloride with a preformed complex compound of aluminum chloride and an alkylated aromatic hydrocarbon in which the aluminum chloride is present in the greater mol ratio in the substantial absence of solid aluminum chloride and at a temperature of from 20° C. to 140° C. whereby there is effected as the predominant reaction the isomerization of said normal paraffin hydrocarbon to a corresponding branched chain isomer.

2,250,119

MANUFACTURE OF ABRASIVE COATED WEBS

John A. Williamson, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application March 25, 1940, Serial No. 325,809
5 Claims. (Cl. 51—293)



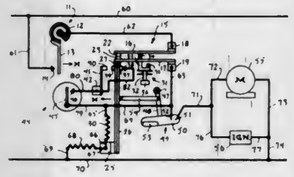
1. The method of manufacturing abrasive coated webs, which comprises the steps of preparing a mixture of a liquid adhesive binder and abrasive grains, said grains being 280 mesh in size or finer, applying a layer of said mixture of excess thickness to the surface of a web, and then directing a high velocity stream of gas against the layer of the mixture of adhesive and abrasive grains, whereby the excess of the mixture is removed and a uniform coating of abrasive grains is produced.

2,250,120

AUTOMATIC CONTROL SYSTEM FOR FUEL BURNERS

John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 28, 1939, Serial No. 253,338
4 Claims. (Cl. 158—28)



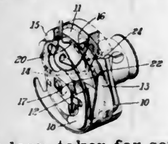
1. In a fuel supply control system, in combination, an electrical fuel controller, a circuit therefor, a fuel controller switch in said circuit, electrical means which when energized closes said fuel controller switch and thereafter renders said fuel controller inoperative, a main switch for energizing said electrical means, circuit connections including a closed hot combustion responsive switch to prevent said fuel controller being rendered inoperative by said electrical means if combustion is established, and means to prevent said fuel controller switch from being moved to closed position while said combustion switch is closed, said means including a circuit shunting at least a portion of said electrical means, said circuit having therein said combustion switch and a switch comprising a stationary contact which is engaged by said electrical means when said fuel controller switch is open and not engaged by said electrical means when said fuel controller switch is closed.

2,250,121

LOOP-TAKER FOR SEWING MACHINES

Sydney Zonis, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application February 21, 1940, Serial No. 320,100
4 Claims. (Cl. 112—228)



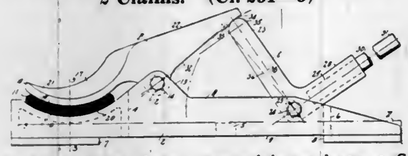
1. In a rotary loop-taker for sewing machines, comprising a cup-shaped body having its side wall provided with a thread-loop seizing beak and with a thread-loop discharging spur directed oppositely to said beak, said body being internally provided with an annular thread-carrier raceway, and a relatively stationary thread-carrier having an interrupted peripheral bearing-rib journaled in said raceway and providing a thread-loop receiving gap between said loop-taker body and said thread-carrier, the improvement which consists in providing said bearing-rib with a plurality of circumferentially spaced relief-notches disposed therein directly adjacent to and at the loop-discharge side of said thread-loop receiving gap, thereby to provide clearance for thread abnormally discharged from said beak under said spur.

2,250,122

FIRE HOSE CLAMP

William L. Bjarnson, North Bend, Oreg.

Application June 3, 1940, Serial No. 338,571
2 Claims. (Cl. 251—5)



1. A fire hose clamp comprising a base, a fixed jaw on one end of said base, a lever of the first order pivotally secured to the base and comprising a jaw portion formed to cooperate with said fixed jaw and a power arm, a second lever of the first order pivotally secured to the base adjacent the other end thereof and formed as a bell crank comprising a lift arm adapted to engage the lower face of the power arm of the first lever and a power arm to which to apply downward pressure whereby a similar movement of the jaw portion is effected to compress a hose placed transversely therebetween, the power arm of the first lever and the lift arm of the second lever each being heavier than the other arm of the respective levers to over-balance the opposite ends of said levers whereby to cause the jaw portion to be raised from the fixed jaw ready for the reception of a hose therebetween until downward pressure is applied to the power arm of the second lever, the free end of said lift arm being movable to an off-center position to releasably lock the levers in their hose-compressing positions.

2,250,123

LUBRICANT-CARRYING MEANS

William S. Boehm, Detroit, Mich., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri

Application July 9, 1938, Serial No. 218,275
3 Claims. (Cl. 184—105)

2. A lubricant-receiving nipple comprising a generally tubular body having a base for permanent securement in a nipple-receiving opening of a machine to be lubricated, and having a headed coupler-receiving outer end portion, a central lubricant-inlet opening extending through said coupler-receiving outer end portion and through said base; the outer end of said lubricant-inlet opening being of smaller



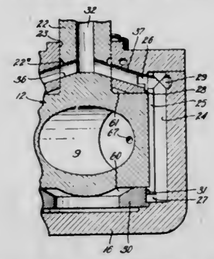
cross-sectional area than the inner portion of said lubricant-inlet opening, and an open bypass groove along the exterior of said base and intersecting the securement surface thereof; the effective cross-sectional area of said groove beneath said securement surface of the base being substantially less than the cross-sectional area of the inner portion of said lubricant-inlet opening.

2,250,124

PLUG VALVE

Samuel C. Carter, Los Angeles, Calif.

Application May 7, 1940, Serial No. 333,727
11 Claims. (Cl. 251—103)



1. A plug cock comprising a body having a fluid passage and an opening intersecting the passage, a plug in the opening turnable between open and closed positions, and means for sealing with the plug comprising narrow grooves in the body extending axially of the opening at opposite sides of the passage and open at the wall of the opening, there being annular narrow grooves at the upper and lower ends of the opening in communication with the axial grooves and opposing the ends of the plug, and there being chambers of substantial capacity and joining the inner parts of the first and second named grooves, packing material occupying the grooves and chambers plastic only under high pressures, and means for subjecting the packing material to high pressures to be extruded from the grooves to form narrow sealing gaskets against the plug.

2,250,125

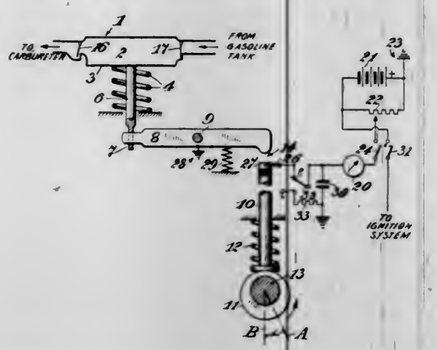
APPARATUS USEFUL IN MEASURING ENGINE PERFORMANCE

Charles F. Chisholm, Sparta, N. J.

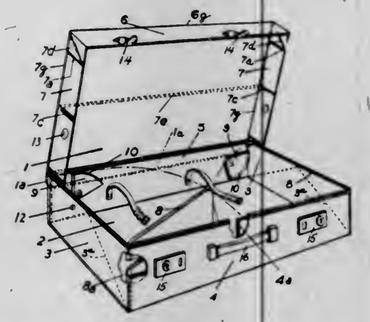
Application February 26, 1935, Serial No. 8,246
14 Claims. (Cl. 73—51)

1. For use in conjunction with an internal combustion engine: a variable stroke fuel pump in which a portion of the pump discharge stroke may be ineffective to feed fuel; an electric meter of the galvanometer type; and means to energize the meter in one direction in accordance with the magnitude of the entire pump discharge stroke and in the opposite direction in accordance with the magnitude of the ineffec-

tive portion of the pump discharge stroke, whereby the net energization of the meter is in accordance with the fuel feeding portion of the pump stroke.

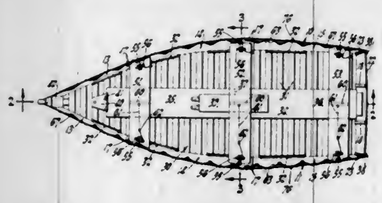


2,250,126
COLLAPSIBLE CONTAINER SUCH AS A SUITCASE, ATTACHÉ CASE, OR THE LIKE
Walter Thomas Cross, Sale, England, assignor to Barrow, Hepburn and Gale Limited, London, England
Application June 29, 1939, Serial No. 281,760
In Great Britain September 15, 1938
4 Claims. (Cl. 190—43)



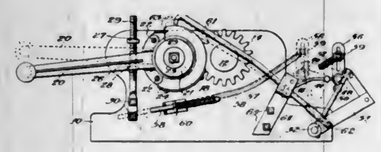
3. Means extensible to form a suitcase comprising a rigid handle-carrying front wall and a rigid cover-carrying back wall, end and bottom walls connecting said front and back walls and folded to lie between said back and front walls with those surfaces on each side of the creases which are to form part of the exterior of the extended case in adjacency; rigid spreader members each hinged at one end to one of said rigid walls and lying flat thereagainst, and a foldable cover comprising a panel part hinged along one edge to the said back wall and having contiguous flanges hingedly connected to the other three edges of the panel, said panel with said flanges folded inwards thereagainst being doubled back on a central longitudinal hinge which induces the surfaces on each side of the hinge which form a part of the interior surface of the extended case to come together so as to contain said flanges between the two parts of the panel said lid lying in this condition flat against the rear face of the rigid back wall, said front and back walls being separable to extend said flexible end walls and said flexible bottom wall, and said spreader members being adapted to hinge out perpendicular to their aforesaid position to lie flat against said extended end walls; securing means carried by the suitcase engageable with the spreaders for holding the latter in position to reinforce said end walls against collapsing forces; and said flanges when the lid panel has been opened out and folded forwards being foldable to stand up from said panel and to engage down over the outer sides of the upper portions of said rigid front wall and said reinforced end walls thereby to reinforce said front and end walls against bulging out by pressure exerted from within the suitcase.

2,250,127
COLLAPSIBLE BOAT
Florence J. Harman, Buffalo, N. Y.
Application April 16, 1940, Serial No. 329,932
12 Claims. (Cl. 9—2)



1. A collapsible boat, comprising a canvas body, a stern board permanently secured to said body, a plurality of transverse bottom strips permanently secured to said body, a bow strip, side members detachably secured to said stern board and to said bow strip, abutment means carried by that portion of the body which extends over the bottom of the boat, toggle means engageable with said abutments for stretching said body when assembling, and means for drawing the canvas body around the assembled parts.

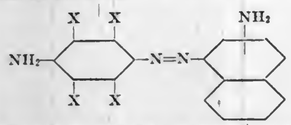
2,250,128
COOKY FORMING AND CUTTING MACHINE
Ernest Jeschke, Chicago, Ill., assignor of one-half to Nick Thomas, Chicago, Ill.
Application December 5, 1940, Serial No. 368,637
8 Claims. (Cl. 107—27)



1. A cooky forming and cutting machine comprising a pair of rotatably mounted rolls, a die, means removably mounting said die beneath the rolls, a cutter, an actuating lever, means on one of the rolls operatively connected with the cutter and operable by the actuating lever when moved in one direction to rotate the rolls to move dough downwardly between them, and operable by said actuating lever when moved in the opposite direction to move said cutter across the face of the die without rotation of said rolls, and means automatically operable at the ends of the cutting operation returning said cutter to initial position.

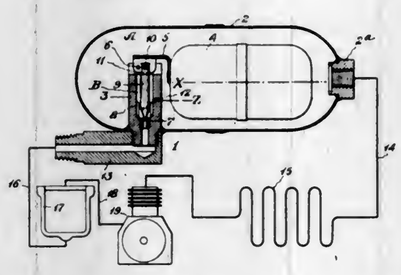
2,250,129
AZO DYESTUFFS AND METHOD FOR THEIR MANUFACTURE
Georges Kopp and René Eugène Marcel Gangneux, Rouen, France, assignors to Compagnie Nationale de Matieres Colorantes et Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, Paris, France, a corporation of France
No Drawing. Application January 3, 1939, Serial No. 249,158. In France January 10, 1938
1 Claim. (Cl. 260—196)

A method for producing amino-azo-dyestuffs of the general formula



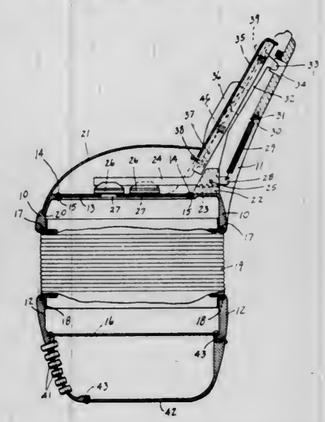
in which one of the X's stands for a halogen atom, the other X being members of the group consisting of the halogen and hydrogen atoms and in which the NH_2 group which is fixed to the naphthalenic nucleus is in one of the ortho and para positions with respect to the azo group, which consists in monodiazotizing a halogenated paranitraniline, in coupling the obtained diazo derivative with a naphtylamine and in reducing the nitro group of the amino-azo-compound.

2,250,130
FLOAT VALVE
Edward M. May, Detroit, Mich.
Application November 1, 1937, Serial No. 172,116
4 Claims. (Cl. 137—104)



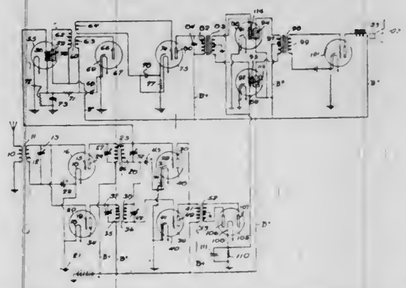
1. A unitary high side float valve for refrigeration systems comprising in combination a casing structure having an inlet passage for liquid refrigerant and an outlet passage for liquid refrigerant and forming a float chamber, a valve seat associated with the outlet passage, a valve arranged to cooperate with the seat to control passage of fluid therethrough, and means including a float in the said float chamber operatively associated with the valve and adapted to cause opening of the valve when the liquid level rises in the float chamber and closing of the valve when said level falls in the float chamber, the said outlet passage being constructed and arranged with an inlet thereto opening above the liquid level in the float chamber at which the said means causes closing of the valve so as to afford at a time when the valve is open access for gas above the liquid level in the float chamber to the valve seat opening, whereby in the operation of the valve gas in the float chamber is automatically discharged to the outlet side of the valve seat.

2,250,131
METAL ACCORDION
John A. Miller, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application August 24, 1940, Serial No. 354,065
4 Claims. (Cl. 84—376)



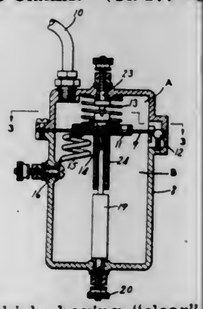
1. In an accordion, a metal treble box section having integral and angularly extending keybed ends formed therewith, a metal bass box section having an opening provided between its ends and along the bottom and back portions for installation of the bass action, a metal plate conforming to the contour of the bottom and back portions of the bass box and formed to provide a removable closure therefor, means adapted to removably secure said plate to the bass box and bellows secured to said respective boxes intermediate thereof.

2,250,132
AMPLIFIER FOR WAVE-FORM SIGNALS
Josephus O. Parr, Jr., San Antonio, Tex., assignor of one-third to Olive S. Petty, San Antonio, Tex.
Application April 8, 1940, Serial No. 328,568
19 Claims. (Cl. 250—20)



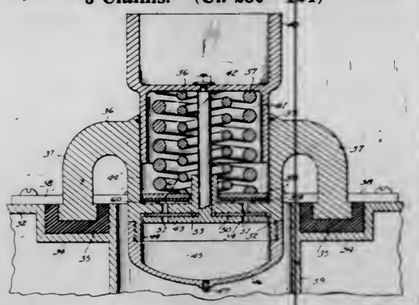
19. In a receiver for modulated wave form signals, the combination with means for amplifying the signal energy, of means for interrupting the output of said receiver, and means to which a portion of the signal energy is delivered, operable on arrival at said receiver of noise energy having a sharply sloping wave front, and responsive to the sharpness of slope of said wave front for initiating operation of said interrupting means.

2,250,133
VEHICLE SIGNAL MEANS
Edwin S. Pearce and Edmond C. Karibo, Indianapolis, Ind.
Application October 6, 1937, Serial No. 167,545
6 Claims. (Cl. 177—339)



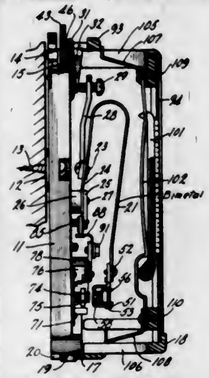
2. In a vehicle having "clear" and "caution" signal means and propelled by an internal combustion engine having manifold inlet means, means arranged for movement responsive to pressure at said manifold, and electric means arranged to be responsive to said pressure-responsive means for energizing the "clear" signal when the pressure in said manifold is steady and for energizing the "caution" signal when the pressure in said manifold is suddenly decreased, said pressure-responsive means including a reciprocable pressure-responsive member, means yieldably urging said member in "clear" signal energizing direction, and means permitting a restricted flow past said member.

2,250,134
VEHICLE SUSPENSION
Robert W. Pointer, Portland, Oreg., assignor of one-half to Willamette Iron & Steel Corporation, Portland, Oreg., a corporation of Oregon
Application May 4, 1940, Serial No. 333,350
3 Claims. (Cl. 280—124)



1. A combination fifth wheel, spring, and shock absorber, comprising a vehicle frame, a fluid-filled chamber mounted in said frame, means for yieldably supporting said chamber in said frame and allowing a limited relative movement therebetween, a horizontal wall forming a closure member for said chamber; a second frame overlying said first named frame, a depending piston rod integral with said second frame, said piston rod extending through the aforesaid closure member and into said fluid-filled chamber, a piston-like member within said chamber integral with said piston rod, an opening in said member, a valve member operated by the liquid in said chamber to cover said opening when said piston-like member moves in one direction and to uncover said opening when said piston-like member moves in the opposite direction, and a load supporting spring surrounding said piston rod exteriorly of said chamber and urging said piston-like member toward a limit of its movement in said chamber.

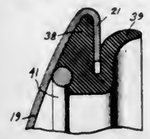
2,250,135
CONTROL MECHANISM
Herbert E. Lindemann, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 22, 1938, Serial No. 186,370
31 Claims. (Cl. 200—139)



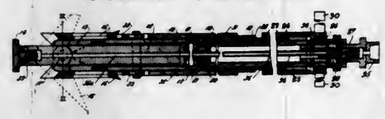
1. A control instrument of the class described comprising an elongated base, a support arranged on one face of the base near the mid-portion thereof, a flat spring hinge mounted on said support, said spring hinge being disposed generally parallel to said base and spaced therefrom by said support, a flat U-shaped bimetal element having a long leg and a short leg, the short leg being secured at its end to the free end of said spring hinge and the long leg extending from the bight of the U-shaped element over said spring hinge and having its free end at one end of the base, control means having a portion secured to the base, said control means being actuated by relative movement between said free end of the bimetal element and the base, an adjusting arm secured to the short leg of the bimetal element and extending to the other end of the base, control point adjusting means located at said other end of the base, said adjusting means comprising a rotatable member engaging the base and adapted to cause movement of the adjusting arm relative to the base upon rotation of said rotatable member, an indicator and indicia cooperating to indicate the angular position of said rotatable member and consequently the control point adjustment of the instrument, and means including a calibrating screw engaging said adjusting arm for positioning said bimetal element relative to said control point adjusting means for calibrating the instrument.

2,250,136
FENDER SHIELD
George W. Schatzman, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application April 24, 1939, Serial No. 269,651
8 Claims. (Cl. 280—153)

2. In a fender shield comprising a panel having a peripheral centrally-facing groove on the back, an edging having a base portion fitting into said groove, and means engageable with an exterior surface of said edging for resiliently pressing said base portion radially outwardly away from the center of said panel.

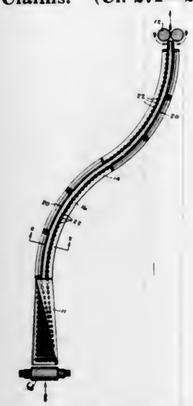


2,250,137
MEANS FOR BREAKING DOWN AND DISLODGING ROCKY MATERIAL
Tom Seaman, Wigan, England
Application June 7, 1940, Serial No. 339,384
In Great Britain May 31, 1939
4 Claims. (Cl. 262—12)



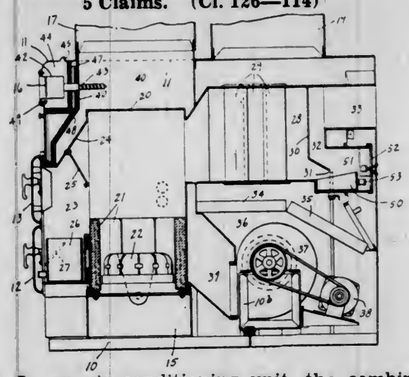
1. A coal dislodger to be inserted in a boring in the coal face, comprising two members one of which is a cylinder and the other of which is a ram member working in said cylinder, inlet means on the cylinder for the introduction thereinto of fluid under pressure, one of said members being movable relative to the other member under fluid pressure and the non-movable member having a foot to bear against the back of the boring in the coal face and expansible claw means on the movable member for applying a dislodging force to the coal as said member is moved by fluid pressure.

2,250,138
APPARATUS FOR HANDLING ELONGATED MATERIAL
John W. Sheperdson, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application February 1, 1940, Serial No. 316,724
7 Claims. (Cl. 271—2.1)



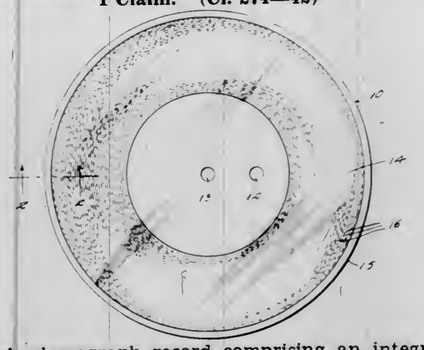
1. Apparatus for handling elongated material comprising means to deliver the stock longitudinally, stock forwarding means remote from the delivery means, and a curved guideway for the stock between the delivery means and the forwarding means, the guideway including means providing a smooth stationary stock-guiding surface at the outer side of the curve and a row of idler rollers at the inner side of the curve.

2,250,139
AIR CONDITIONING UNIT
William B. Shimer, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation
Application September 20, 1939, Serial No. 295,769
5 Claims. (Cl. 126—114)



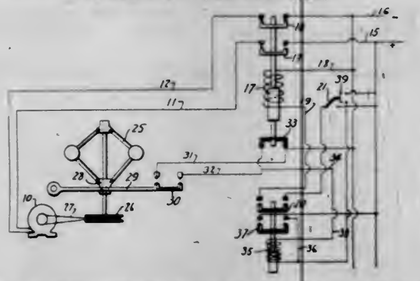
1. In an air conditioning unit, the combination with a heat exchanger, air ducts communicating therewith, and a heat source for said exchanger, of a plurality of control instruments therefor, an instrument box mounted in said unit enclosing said instruments, said box being located in the upper more accessible portion of said unit above said heat source, a control panel on said box exposed for convenient manipulation of said instruments, and a shielding compartment having insulated walls surrounding said box in spaced relation thereto for protecting said instruments from said heat source.

2,250,140
PHONOGRAPH RECORD
Benjamin H. Shuemaker, Eureka, Calif.
Application November 8, 1940, Serial No. 364,920
1 Claim. (Cl. 274—42)



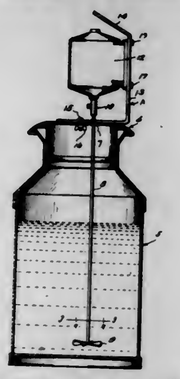
A phonograph record comprising an integral composite body formed of a disc-like inner section of burl wood, and a relatively thick transparent outer section completely enclosing the inner section and formed from an initially liquid subsequently stiffened composition of cellulose lacquer and beeswax, said outer section possessing a characteristic to receive and retain the sound tracks.

2,250,141
SAFETY DEVICE FOR ELECTRIC MOTORS
Ernest B. Thurston, Toledo, Ohio, assignor to The Haughton Elevator Company, Toledo, Ohio, a corporation of Ohio
Application March 2, 1940, Serial No. 321,929
10 Claims. (Cl. 172—288)



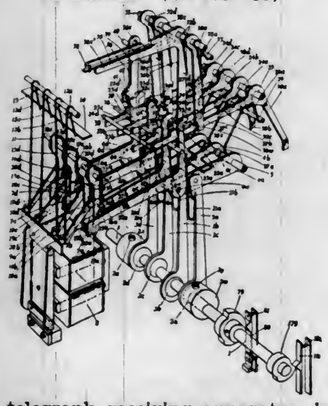
8. In combination with an electric motor and a switch controlling the flow of power to the motor, an electrical time relay comprising means to hold the switch closed while the relay is energized and to open the switch a predetermined time after the relay is de-energized, an electric circuit for energizing the relay, two safety switches in said circuit, a time relay for each switch, each relay comprising a coil closing the switch when energized and opening the switch a predetermined time after de-energization, and means operated by the motor and energizing said coils in alternation while the motor is moving, whereby at least one of said safety switches opens whenever the motor fails to operate said means rapidly enough to energize each coil within said predetermined time after it has been de-energized.

2,250,142
CHURN
Jacob W. Umstead, New Bethlehem, Pa.
Application May 23, 1940, Serial No. 336,845
1 Claim. (Cl. 248—16)



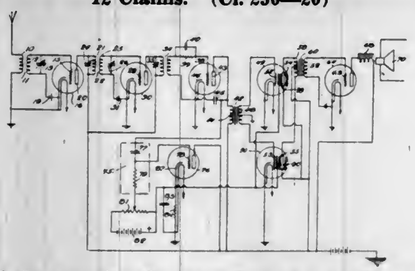
In a mounting, an inverted substantially U-shaped bracket providing parallel vertical and horizontal portions and a connecting portion, said vertical portions having slots extending endwise thereof to receive fasteners for adjustably securing thereon a motor, said horizontal portions having slots extending endwise thereof to receive fasteners for adjustably securing the bracket on a cover of a container, said vertical portions being bent to position the connecting portion above and over the motor to provide a handle.

2,250,143
TELEGRAPH APPARATUS
Fred Warburton, London, England, assignor to Cable and Wireless Limited, London, England, a British company
Application June 19, 1939, Serial No. 279,951
In Great Britain June 23, 1938
23 Claims. (Cl. 178—33)



1. In telegraph receiving apparatus, in combination, signal detecting means, means for operating said signal detecting means in cyclic movements at a frequency substantially equal to the speed at which signal elements are received and being operative to determine at two instants in each cyclic movement whether a signal element is in transit at those instants, and means controlled by said signal detecting means for retaining the effect of the signal element during the next cyclic movement if the signal element is in transit at only one of the two instants.

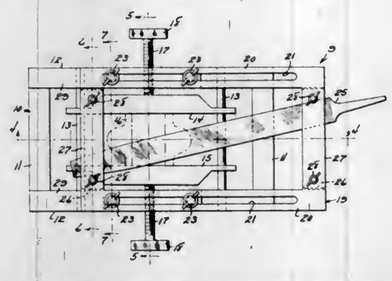
2,250,144
AMPLIFIER FOR WAVE-FORM SIGNALS
William R. Welty, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application April 8, 1940, Serial No. 328,571
12 Claims. (Cl. 250—20)



1. In a receiver for wave-form signals, the combination with signal amplifying means, of means for suppressing the output of said amplifying means, and a signal derivative-taking device responsive to noise energy for initiating operation of said last named means.

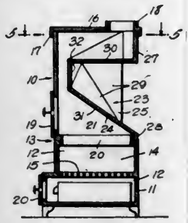
2,250,145
BEARING CLAMP AND FILE GUIDE
Martin G. Westbye and Fred L. Hoover, Portland, Oreg.
Application February 28, 1940, Serial No. 321,334
5 Claims. (Cl. 29—76)

1. In a work clamp and file guide having a substantially rectangular-shaped frame with rods extending transversely thereof, a pair of jaw plates mounted for slidable movement on said transverse rods and adapted to clampingly engage a bearing within said frame, a frame



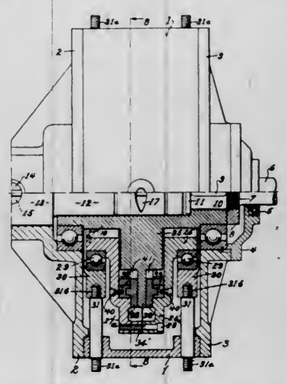
mounted for longitudinal movement on said first frame, the side members of said second frame being formed with slots extending longitudinally thereof for receiving means for guiding and limiting the movement of said second frame, and means for mounting a file in said second frame.

2,250,146
HEATER
Otto E. Williams, Buffalo, N. Y.
Application April 10, 1940, Serial No. 328,946
1 Claim. (Cl. 126—58)



In combination with a heater provided with an upright drum defining a combustion chamber therein and having a top closing the upper end of said drum and formed with a draft opening adjacent the rear of said drum, said rear of said drum formed with an opening between the upper and lower ends of the drum and establishing communication between said chamber and the atmosphere; and a deflector unit closing said opening and disposed within said chamber in spaced relation with respect to said drum, said unit comprising a shell-like body fashioned with oppositely disposed side walls inclining inwardly and upwardly with respect to the drum, a top wall connected to said side walls, a bottom wall connected to said side walls and extending upwardly and inwardly with respect to said drum, a pair of oblique front walls interposed between said top and bottom walls and connected to said side walls, said side, bottom and front walls disposed in spatiality with the front and sides of said drum to define a passage about said last mentioned walls and to effect circulation of hot air forwardly, upwardly and rearwardly about said unit and to said draft opening, said walls coacting together to define a heating chamber open to the atmosphere and disposed within said first mentioned chamber whereby to increase the heat radiated from said heater upon circulation of hot air about said walls.

2,250,147
VARIABLE DELIVERY PUMP OR MOTOR
Elek K. Benedek, Bucyrus, Ohio
Application June 13, 1938, Serial No. 213,325
3 Claims. (Cl. 103—161)

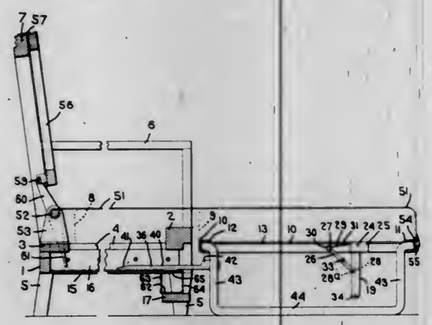


1. In a pump or motor, a pair of rotors in eccentric relation to each other, radial piston and cylinder assemblies carried by one of the rotors and operated by the other consequent upon concurrent rotation of the rotors, valve means for the assemblies, one of said rotors being in surrounding relation to the other rotor, an adjustable guide means carried by one rotor and spaced radially from the axis of rotation thereof, a radial guide-way carried by the other of said rotors and in fixed position relative thereto and extending radially inwardly and outwardly beyond both radial limits of said adjustable guide means, and a coupling element having portions engaged with and slidable along said guides respectively concurrently, and being operative independently of and disassociated from the piston and cylinder assemblies, said adjustable guide means, including an adjustable block element, having a chordal guide-way therein, and means to secure said block element rigidly in its respective rotor, after the coupling element has been assembled in its respective guide-ways, to thereby provide self alignment between the guide-ways and the coupling element.

2,250,148
SOFA OR DIVAN
Philippe H. Bonnet, Boston, and Harry Zellick, Revere, Mass.; said Bonnet assignor to said Zellick
Application October 20, 1939, Serial No. 300,308
4 Claims. (Cl. 5—18)

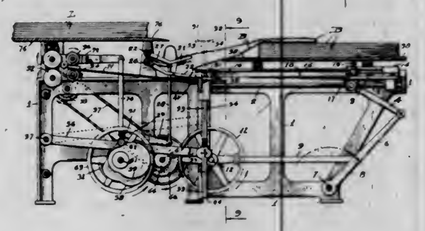
2. A convertible sofa comprising a sofa portion having a seat and also having horizontal supporting flanges beneath the seat, one at each end, an extensible section movable from a stored position beneath the seat in which it is supported on said flanges to an extended operative position, folding legs pivotally secured to the extensible section for supporting the front part thereof as it is being extended, a sliding support carried by each flange at the front end thereof and having a limited forward and backward sliding movement relative thereto, each sliding support having an upstanding rearwardly facing shoulder adapted to be engaged by the rear edge of the extensible section during the final portion of the movement of the latter into its extended position, whereby during such final movement the

sliding supports are moved forwardly into position to support the rear portion of the extensible



section when the latter has been carried beyond the limits of the supporting flanges.

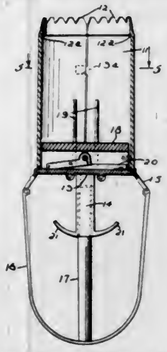
2,250,149
BAG TURNING AND LINING MACHINE
Lawrence Buttigieg, San Francisco, Calif.
Application December 28, 1940, Serial No. 372,147
5 Claims. (Cl. 223—40)



1. The combination with a bag turning machine having bag receiving fingers and reciprocating rams, of a second set of receiving fingers slidably mounted on said machine and between said first mentioned fingers and said rams, said second mentioned fingers being extended toward said first mentioned fingers whereby an unturned liner on said second fingers may be inserted unturned into a bag on said first fingers by said rams; means for closing and opening said first fingers to receive and hold open a bag only after two successive reciprocations of said rams; and means for closing said second fingers to receive a liner during each first reciprocation of said rams and for opening said second mentioned fingers to hold an opened mouth of a liner between said first fingers and a bag thereon and said rams only during each second reciprocation of said rams.

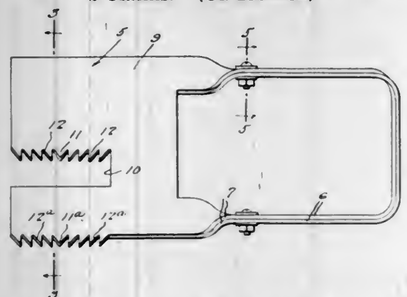
2,250,150
ICE CREAM DISPENSING DEVICE
Roland Allen Cameron, Ottawa, Ontario, Canada
Application June 4, 1940, Serial No. 338,817
7 Claims. (Cl. 107—48)

1. An ice cream dispenser comprising a cylindrical mould divided longitudinally to form complementary sections, means hingedly connecting the lower ends of said sections to permit outward swinging movement of said sections, means normally holding said sections in an open position, an ejector slidably mounted axially of said cylinder, and means operably connected with said



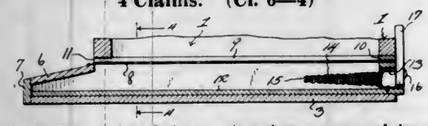
sections for reciprocating said ejector upon movement of said sections.

2,250,151
CANE AND CORNSTALK STRIPPER
William W. Clark, Salisbury, N. C.
Application October 5, 1939, Serial No. 298,123
2 Claims. (Cl. 130—31)



1. A stripper comprising a pair of U-shaped handles arranged in crossed relation with their leg portions pivotally connected together, a plate-like extension bridging the leg portions of each handle structure, each of the plates having an edge portion formed with teeth.

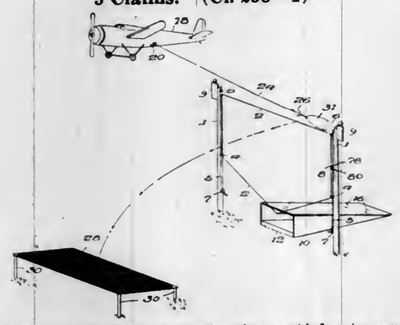
2,250,152
MOTH TRAP FOR BEEHIVES
Peter L. Clipp, Cedaredge, Colo.
Application March 25, 1941, Serial No. 385,165
4 Claims. (Cl. 6—4)



1. A hive stand trap structure, comprising a relatively flat hollow body, a foraminous top wall for the body, said body being designed to support a bee hive over said top wall, means forming an insect pest entrance opening through a wall of the hive stand, a floor disposed within the hive stand and removable through said entrance opening, and a foraminous vestibule structure having a rear side secured to the floor in said entrance opening to be carried by the floor and having a forward open side, said vestibule structure being constricted toward the forward open

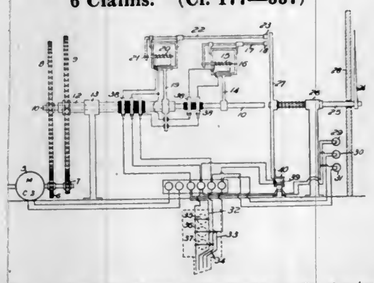
side whereby the wire edges thereof are brought into close relation to prevent the return of insects through the vestibule from the hive stand after they have passed into the hive stand through the said forward opening.

2,250,153
AIRPLANE PACKAGE TRANSFER APPARATUS
Roy L. Cooper, Erie, Ill.
Application May 25, 1940, Serial No. 337,283
5 Claims. (Cl. 258—1)



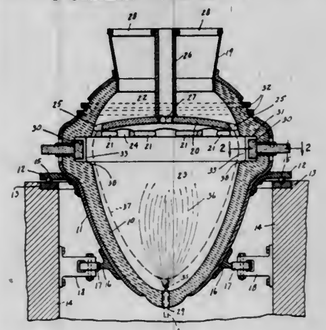
1. Apparatus for transferring articles to a moving airplane, comprising a cable having a grapple hook secured thereto suspended from the airplane, a pair of rigid supports stationary with respect to the ground, a flexible loop suspended from said rigid supports, said loop having means for securing an outgoing article thereto, a catapult mechanism for propelling the outgoing article, said catapult mechanism positioned to receive the outgoing article secured to the loop, latch means for holding the catapult mechanism in retracted position, electrical means for releasing the latch means including a switch means, and means suspended from the rigid supports and including a portion of the loop for closing the switch means whereby the pull of the cable or hook on the said loop closes said switch means thereby releasing the catapult mechanism for throwing the outgoing article in the direction of the line of flight of the airplane.

2,250,154
TRAFFIC SIGNAL
Leonard M. Esbeck, Denver, Colo.
Application February 21, 1938, Serial No. 191,758
6 Claims. (Cl. 177—337)



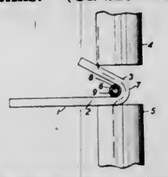
1. In a traffic signal inclusive of electrically operated alternately energized signals and a rotary time-lapse indicator, the improvement which comprises a shaft rotated at a constant speed and coordinated with the time cycles of the alternately energized signals, an electrically operated indicator-driving clutch mechanism carried upon the shaft for conjoint rotation therewith, an electric circuit inclusive of a brush and a rotary contact connected with the clutch mechanism and with the energizing circuit of the signals whereby the clutch mechanism is energized conjointly with the signals to rotate said indicator during such energization.

2,250,155
ROTARY ELECTRIC FURNACE
John Ferguson, Cleveland, Ohio
Application May 13, 1940, Serial No. 334,758
5 Claims. (Cl. 13—6)



1. In a rotary furnace for glass melting, a hollow body adapted to contain molten glass, means for supporting said body for rotation, a plurality of electrodes between which electric currents may be passed to melt said glass, said electrodes being spaced about the walls of said hollow body and lying in a common plane, and said walls having an annular channel formed therein in the plane of said electrodes, said channel being filled with molten glass by rotation of said hollow body to provide a current path between said electrodes.

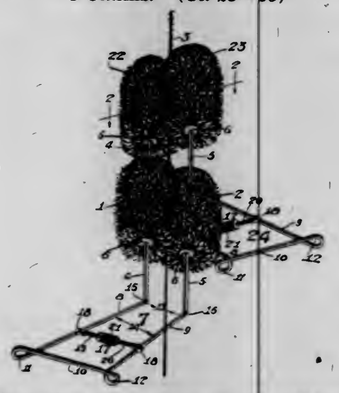
2,250,156
ELECTRICAL CONNECTION
Lawrence Ferguson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 2, 1939, Serial No. 276,977
5 Claims. (Cl. 219—10)



1. A method of forming an electrical connection between metal parts, one at least of which is covered with insulating material, comprising placing said parts between a pair of spaced and relatively movable electrodes of an electrical current-carrying machine and so that said insulating material on one of said parts is in contact with another of said parts, providing in one of said parts a metal electrical current-carrying path from one of said electrodes to the other and in by-pass of the point of contact of said parts, applying sufficient current through said electrodes and said current-carrying path to raise the temperature of one of said parts to a sufficient extent to remove said insulating material

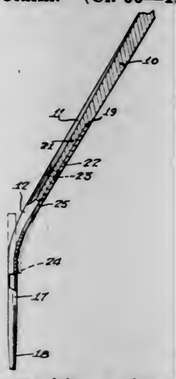
from the point of contact of said parts and moving said electrodes toward each other as the insulating material is removed and until said parts are electrically connected.

2,250,157
YARN CLEANER
Ernest A. Feustel, Hasbrouck Heights, N. J.
Application September 13, 1939, Serial No. 294,698
3 Claims. (Cl. 28—65)



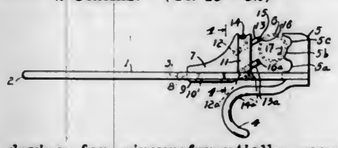
1. Yarn-cleaning apparatus for cleaning yarn in motion comprising a natural growth teasel in the path of motion of the yarn and means for supporting said teasel in the path of motion of the yarn in a relatively stationary manner with the edges of the barbs thereof in contact with the moving yarn.

2,250,158
YARN CARRIER
Ernest A. Feustel, Hasbrouck Heights, N. J.
Application November 13, 1939, Serial No. 304,062
1 Claim. (Cl. 66—126)



In a knitting machine, a thread carrier finger having a relatively long flat body transversely curved near its lower end, an aperture in said body at its curved portion, a longitudinal slit at the lower end of said body extending upwardly to said aperture, a fine-bore thread-guiding tube frictionally retained in said slit and extractable therefrom by axial movement, the tube being of generally uniform outside diameter along a portion thereof extending from within said slit upwardly to the uppermost edge of said tube, a recess on the under-surface of said body at its curved portion and overlapping the aperture in said body, and a curved leaf-spring generally completely contained within said recess and lying generally flush on all sides with the under-surface of said body, with the curvature of said leaf-spring generally conforming with the curvature of said body, the lower edge of said curved leaf-spring normally obstructing the upper edge of said thread-guiding tube and serving as an abutment preventing upward axial movement of said tube, and said lower spring-edge being adapted to be flexed outwardly out of said recess into a non-obstructing position relative to said tube edge, to permit the tube to be inserted into or extracted from said slit by being slid axially into or out of said slit.

2,250,159
GLASS CUTTER
Russell S. Grube, San Jose, Calif., assignor of one-third to Charles L. Bean, San Jose, Calif., and one-third to Lelande Quick, Los Angeles, Calif.
Application November 1, 1939, Serial No. 302,369
2 Claims. (Cl. 49—52)



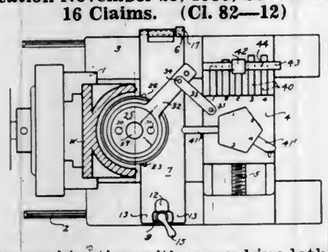
1. A device for circumferentially scoring a circular glass object comprising, a supporting member having a handle formed on one end and an upstanding part on its other end, said part having a surface formed thereon in opposed relation to the handle to provide a seat for the object and upon which it may be rotated, a shoe slidably mounted on said member in opposed relation to said part and between said part and the handle, said shoe having a scoring device mounted thereon in opposed relation to said upstanding part and a thumb receiving surface formed on the side directed toward the handle, and said member having a finger engaging element associated with the end remote from the handle.

2,250,160
FASTENER
William L. Henry, Oakland, Calif.
Application March 9, 1940, Serial No. 323,193
1 Claim. (Cl. 189—37)



A fastener, for securing a piece of sheet material, having an aperature therein, to an underlying member, comprising a cylindrical stud having an enlarged head resting on a surface of said underlying member, a strip of material having therein an opening through which said stud passes and overlying the head of the stud, said strip of material extending radially from the stud and being engaged with the underlying member at a point remote from the position of the stud, and said strip of material further having a pair of integral ears projecting from opposite edges thereof which are each bent upwardly to positions wherein their outer ends engage the side of said stud, said piece of sheet material having one side thereof resting on the upper ends of said ears with an extended portion of the stud passing through said aperture and projecting beyond the other side thereof, and said extended portion of the stud being riveted to overlie the said other side of the sheet material to secure the latter between the riveted portion of the stud and the ends of said ears.

2,250,161
MACHINE LATHE
Otto W. Johnson, Oakland, Calif.
Application November 25, 1939, Serial No. 306,163
16 Claims. (Cl. 82—12)



1. In combination with a machine lathe having a horizontal axis, a chuck, and a longitudinally adjustable tool carriage; a bar on said carriage, means pivoting said bar laterally of the lathe axis, means for clamping said bar to said carriage, a tool holder pivoted on said bar, a cross slide on said carriage, and a quick detachable link between said carriage and said tool holder for actuating said tool holder about its pivot in response to movement of said cross slide.

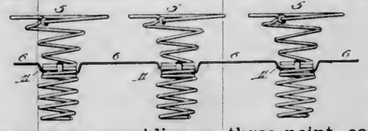
2,250,162
DEVICE FOR DISINFECTING THE MOUTH-PIECES OF TELEPHONES
Herbert Leonard Kent, London, England, assignor to Kent Jones and Company Limited, London, England, a company of Great Britain
Application September 26, 1938, Serial No. 231,805
In Great Britain October 4, 1937
1 Claim. (Cl. 179—185)



A disinfecting attachment for telephone mouthpieces comprising a base member and an upper member detachably connected together to form an annular container to receive a disinfectant and fit around the rim of the mouthpiece, the said base member being perforated to permit the access of disinfectant vapours to the interior of the mouthpiece, and securing means on the base member consisting of a downwardly extending expanding flange which is split by a V-shaped opening to permit of its expansion and a member slidable within the said opening so as to force apart the edges of the opening and thereby expand the flange.

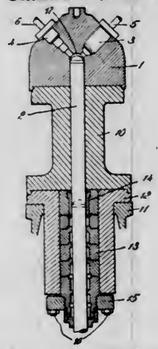
2,250,163
TIE-WIRE CONSTRUCTION FOR COIL SPRINGS
Edwin W. Krueger, River Forest, Ill., assignor to Keystone Steel & Wire Company, Peoria, Ill., a corporation of Illinois
Application August 17, 1939, Serial No. 290,584
4 Claims. (Cl. 5—252)

1. In a bed spring assembly, in combination, a plurality of coil springs in spaced relation, tie-wires arranged in crosswise relation and at points in coincidence with each spring being crimped, forming seats for such spring; the tie-wires having an arched construction presenting upper and lower convex and concave faces, respectively, and with converging side edges and curved corners; said upper convex surface and opposite



lower corners providing a three-point contact with upper and lower volutes, respectively, of the spring.

2,250,164
HIGH PRESSURE CYLINDER
Otto Minder, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application October 20, 1939, Serial No. 300,405
In Switzerland October 27, 1938
3 Claims. (Cl. 309—2)

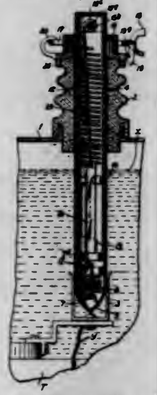


1. A high-pressure cylinder which comprises a head-end portion wherein a fluid medium undergoing compression is subjected to the highest pressure attainable in the cylinder, valves for the intake and exhaust of gas mounted in the head-end portion, a low-pressure portion having relatively thin walls with respect to the thickness of the walls of the head-end portion and a flange at each end, said low-pressure portion being formed of heat treated alloy steel which is highly resistant to the corrosive action in the cylinder and being connected by means of the flange at one end to the head-end portion and by means of the flange at the other end to a stuffing box, a piston reciprocable in the high-pressure cylinder, and means operatively connected to the stuffing box to guide the piston.

2,250,165
CIRCUIT CONTROL DEVICE FOR TRANSFORMERS
Melville F. Mitschrich, St. Louis, Mo., assignor to Moloney Electric Company, St. Louis, Mo., a corporation of Delaware
Application December 21, 1938, Serial No. 246,933
8 Claims. (Cl. 200—122)

7. A circuit control device for transformers, consisting of a unit adapted to be removably mounted in an insulator on a transformer tank, said unit comprising a body portion of substantially tubular form or shape that has a sliding fit with said insulator and which is adapted to be installed in or removed from said insulator by a straight line push or pull with a "hot line" tool, a reciprocating switch blade in said body portion, a retaining device in said body portion for holding said switch blade in a position to complete

the circuit from an external line contact to a coil contact on the interior of the transformer tank, a spring for moving said switch blade in a direction to interrupt the circuit between said contacts when said retaining device is rendered



inactive, and a coil built into said unit and adapted to be energized by a current in the transformer circuit when said unit is installed in operative position in the insulator for rendering said retaining device inactive under certain conditions.

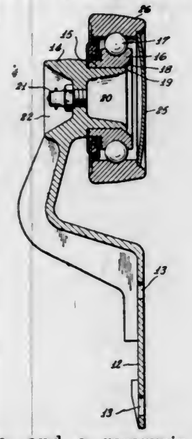
2,250,166
TARGET
Iver O. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application February 20, 1940, Serial No. 319,857
2 Claims. (Cl. 273—105.4)



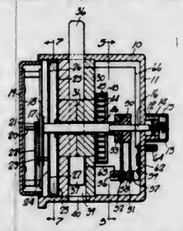
1. A target comprising a hollow annular body of readily fracturable material adapted for trap shooting and having a substantially thick base rim, an annular side wall extending upwardly from said base rim and being generally frustoconical in form, said side wall gradually decreasing in thickness as it extends upwardly to be weaker at its upper end than at its lower end and than said base rim, and a circular top wall extending across said target at the upper edge of said side wall, said top wall gradually decreasing in thickness radially in all directions toward its center from the upper edge of said side wall to cause it to be substantially weaker than said side wall and to be particularly thin at its center area to permit ready passage therethrough of a pellet from a fired shot shell of small calibre, and whereby it will not appreciably reinforce said side wall against fracture when the latter is struck by a pellet from a fired shot shell of small calibre.

2,250,167
TROLLEY BRACKET
Raymond Walker Niles, Saline, and Thomas C. Pew, Ann Arbor, Mich.
Application October 24, 1939, Serial No. 301,076
5 Claims. (Cl. 105—154)

1. A bracket for use with overhead conveyors having a cylindrical surface on the upper portion thereof, said cylindrical surface constituting a bearing support for a trolley wheel which is attached thereto, and a reservoir for lubricant formed within said cylindrical surface.



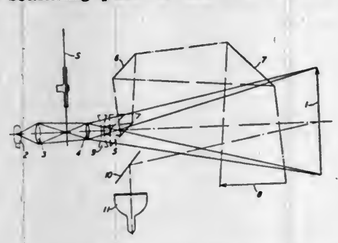
2,250,168
TIME SWITCH
Leonard A. Pfieger, South Bend, Ind., assignor of one-half to Andrew Kekko, South Bend, Ind.
Application August 29, 1938, Serial No. 227,323
15 Claims. (Cl. 200—38)



1. A time switch comprising a housing, a shaft journaled in said housing and adapted for limited endwise movement, a switch in said housing, a switch actuator fixed on said shaft and normally engaging said switch, a spring for rotating said shaft in one direction, a gear ring fixed in said housing and having an interruption therein, and clockwork fixed on said shaft and including a pinion normally positioned in the plane of said gear ring at said interruption, said shaft being longitudinally shiftable to permit free rotation of said shaft to bring said pinion into mesh with said gear at any selected portion of said gear and to simultaneously tension said spring, said clockwork controlling rotation of said shaft until said pinion reaches said gear interruption, said actuator being spaced from said switch when said pinion disengages said gear whereby the concluding movement of said actuator is produced by unrestrained action of said spring.

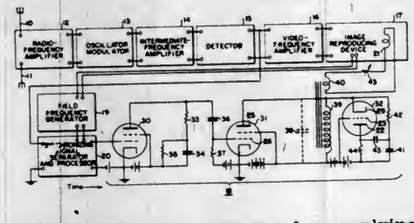
2,250,169
TELEVISION TRANSMITTING DEVICE
Egon Schwarzer, Berlin-Zehlendorf, Germany, assignor to Fernseh G. m. b. H., Berlin-Zehlendorf, Germany
Application July 26, 1940, Serial No. 347,606
In Germany July 3, 1939
2 Claims. (Cl. 178—7.1)

1. Apparatus for scanning objects in a vertical or horizontal plane comprising means for scanning an object in one of said planes, means for scanning another object in the other of said planes including stationary reflectors out of the optical scanning path of the first object, and a



reflector movable into the optical scanning path of the first object cooperating with the first scanning means and said stationary reflectors for scanning the other object in the other of said planes.

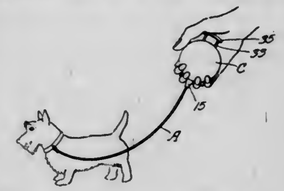
2,250,170
PERIODIC WAVE GENERATOR
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application February 13, 1939, Serial No. 256,033
30 Claims. (Cl. 250—36)



29. A periodic wave repeater for supplying to an inductive load circuit a current of saw-tooth wave form having relatively long trace and short retrace intervals comprising, two vacuum tubes each having a cathode, an anode, and a control electrode, a space current supply circuit for said tubes, said supply circuit and the anode-cathode circuits of said tubes being all connected in series in a closed direct current path, a load circuit constituting primarily inductance coupled effectively in parallel with each of said tubes, a control-voltage circuit coupled only to the control electrode of one of said tubes, and means including a coupling path from the anode to the control electrode of said other of said tubes for coupling to the control electrode-cathode circuit of said other of said tubes voltage fluctuations of said load circuit with the same polarity as they appear across said load circuit, whereby said other of said tubes is caused to present in series with said first tube an effective anode-cathode resistance less than its actual anode-cathode resistance.

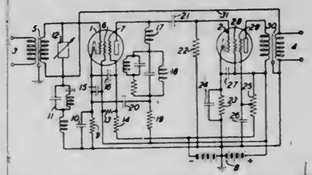
2,250,171
ADJUSTABLE DOG LEASH
Hugh A. Wilkins, Oak Park, Ill.
Application August 26, 1940, Serial No. 354,213
5 Claims. (Cl. 242—98)

1. In a device of the class described, a reel, a leash wound on the reel, a casing in which the reel is rotatably mounted, a hollow nipple on the casing forming a passage for the leash, projections at each side of the nipple forming with it separate seats for the fingers, the casing



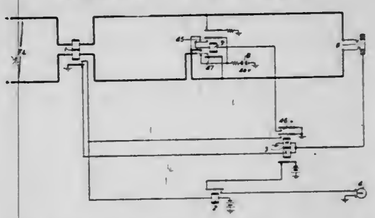
being small enough to be grasped in one hand with the nipple between adjacent fingers.

2,250,172
ELECTRICAL WAVE AMPLIFICATION
Ira G. Wilson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 24, 1939, Serial No. 291,637
6 Claims. (Cl. 179—171)



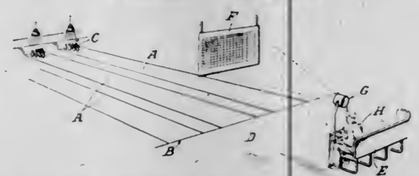
2. In the operation of pentodes, the method of controlling the ratio of modulation to fundamental output components comprising applying to the suppressor grid a steady bias voltage and proportioning said voltage with respect to the normal plate voltage and load resistance to the value which gives the desired radio while maintaining the gain substantially unchanged as a result of application of said bias voltage.

2,250,173
COIN CONTROL CIRCUIT
Sewell W. Allison, West Orange, N. J., James B. McKim, New York, N. Y., and Theodore D. Robb, Ridgefield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 29, 1939, Serial No. 297,096
3 Claims. (Cl. 179—6.3)



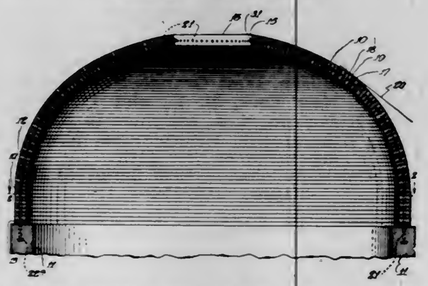
1. In a telephone system, an operator's position, a plurality of cord circuits thereat, a ringing key individual to each cord circuit, a coin control key common to said cord circuits, a source of coin control current, and means responsive to operation of said coin control key and the subsequent operation of a ringing key to connect said source of coin control current to the cord with which the operated ringing key is associated.

2,250,174
PROJECTOR
James E. Bancroft, Jamaica, N. Y., assignor to American Bowling and Billiard Corporation, New York, N Y., a corporation of New York
Application August 16, 1939, Serial No. 290,426
4 Claims. (Cl. 88—24)



1. In combination in an installation for bowling alleys and the like, a vertical screen, and a projector comprising a casing, the upper end of said casing being light transmitting and having a substantially flat upper surface, a source of light in said casing, a condenser system adapted to collect light rays from said source and to illuminate the said upper surface of said casing, a second casing positioned above said first casing, a projecting lens system in said second casing adapted to receive rays from said illuminated upper surface of said first casing, reflecting means adapted to invert rays in relation to one transverse axis only, said means comprising a pair of plane reflecting surfaces disposed substantially at a right angle to each other, and disposed symmetrically in relation to the optical axis of the lens, and means for transmitting said rays from said reflecting means to said screen without further inversion.

2,250,175
TRUSSLESS ROOF CONSTRUCTION
John F. Blaski, Chicago, Ill.
Application February 5, 1940, Serial No. 317,294
8 Claims. (Cl. 108—1)

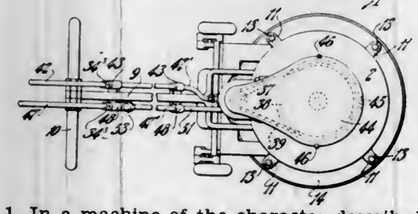


1. In a trussless roof of the dome or conical type, the combination of a plurality of building members laid end to end in courses with the joints between members of one course staggered with respect to the joints between members of adjacent courses, said courses being in the form of loops which gradually decrease in size from the bottom portion of the roof to the top portion thereof, each of said members having its opposing load-bearing sides disposed substantially at right angles to the pitch line of the roof at the member, each of said members being preformed and substantially solid with their inner and outer faces coinciding with and forming portions of the respective inner and outer surfaces of the roof formed by said members, and means for holding each of said members in its respective position in the roof.

2,250,176
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application August 17, 1940, Serial No. 353,126
10 Claims. (Cl. 252—344)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a chemical compound derived by a heat reaction involving, on the one hand, an alkylene polyamine containing at least 3 and not more than 9 amino nitrogen atoms, and in which the alkylene group contains not over 10 carbon atoms, and in which there is present at least one primary amino radical linked to a secondary amino radical through an alkylene radical; and on the other hand, a high molal monocarboxy amidification-reactive compound containing as a part thereof an acyl radical having not less than 8 carbon atoms and not more than 32 carbon atoms, the ratio of said reactants being such that not more than 2 moles of the monocarboxy compound are employed per mole of polyamine, and in any event so that there is present at least one primary amino radical linked through an alkylene radical to a secondary amino group for each mole of monocarboxy compound employed; said reaction being conducted at a temperature in excess of 250° C., and under such conditions so as to cause the elimination of all carbonyl oxygen atoms with the formation of a saponification and hydrolysis-resistant, cation-active compound.

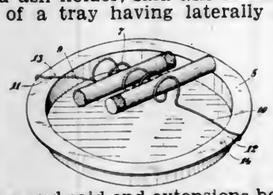
2,250,177
FLOOR WASHING MACHINE
Nicholas Boccasile, Springfield, Mass.
Application November 2, 1938, Serial No. 238,381
6 Claims. (Cl. 15—50)



1. In a machine of the character described, a ring member encircling and enclosing the brush of the machine for confining and exhausting the washing liquid used in said machine, said ring member being formed with an annular channel open at the bottom, a resilient tubular ring removably supported in said annular channel, said ring member being also formed with an annular suction chamber adjacent its lower, inner rim and a plurality of downwardly directed openings communicating with said chamber, guide posts on said ring for slidable and removable engagement in bored lugs on the casing of said machine, communicating means between said suction chamber and a pump on said machine including a detachable coupling, whereby said ring member may be attached to and detached from said machine at will.

2,250,178
CIGARETTE HOLDER
Abbott P. Brush, Greenwich, Conn.
Application February 10, 1939, Serial No. 255,568
1 Claim. (Cl. 131—240)

A cigarette holder, comprising a helically coiled spring of light resilient material with convolutions of approximately the same diameter as the diameter of a cigarette and yieldingly spaced apart a distance slightly less than the diameter of a cigarette, said coiled spring being supported with said convolutions free to yield individually to the pressure of a cigarette inserted between convolutions and an ash holder, said coiled spring having end extensions engaged over separated edge portions of said ash holder and thereby supporting the spring stretched in distended position across said ash holder, said ash holder being in the form of a tray having laterally extending



edge flanges and said end extensions being in the form of downwardly and inwardly directed hooks removably engageable over the outer edges of said flanges and angled extensions on the ends of said hooks engageable flat against the undersides of said edge flanges, to thereby hold the spring against tipping in either direction, said hooks being proportioned when engaged over said edge flanges to hold the spring lightly distended and with the convolutions under slight tension, capable of yielding toward either end of the spring in accordance with the placement of cigarettes between adjoining convolutions.

2,250,179
GUN SIGHT
Leo H. Brown, New York, N. Y.
Application August 29, 1940, Serial No. 354,633
4 Claims. (Cl. 33—53)



4. For use on the barrel of a rifle or the like, a front sight which has downwardly extending sight members which are inclined towards each other in fixed relation, the horizontal distances between said sight members being spaced from the bore of the rifle in amounts corresponding to the respective correct elevations for a series of respective ranges of a target which has a predetermined guide dimension, a support mounting said sight on said barrel, said front sight being adjustably connected to said support, said sight members being substantially parallel to a predetermined plane, said sight members being adjustable relative to said support to vary the angle between said plane and the axis of the bore of the rifle.

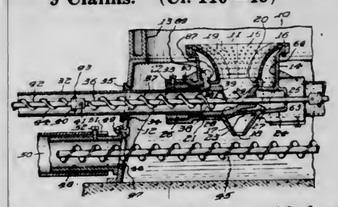
2,250,180
FOUNTAIN PEN
Amilcare Calo, North Arlington, N. J., assignor to Associated Pen Corporation, New York, N. Y., a corporation of New York
Application October 19, 1940, Serial No. 361,908
5 Claims. (Cl. 120—47)

1. A fountain pen comprising a barrel which serves as a reservoir for ink, a pump of the plunger type comprising an elastic cylindrical envelope the inner end of which is closed and the outer end open, a plug of cylindrical form which fits within the open end of the envelope and serves to hold it in ink-tight relation to the outer end of the barrel, said plug having a bore extending axially therethru, a rod extending from



the inner end of said envelope thru said bore a predetermined distance, and rings on said rod in sliding relation therewith which extend to and support the wall of the envelope to prevent it from contracting in diameter.

2,250,181
AUTOMATIC STOKER
George H. Crocker, Lansdowne, Pa., assignor to Newton Supply Company, a corporation of Delaware
Application October 12, 1937, Serial No. 168,540
9 Claims. (Cl. 110—45)



6. In an automatic stoker provided with a burner and a coal conveyor pipe extending between said burner and a source of coal supply, the combination of a shaft extending through said pipe, a spiral of wire closely wound around and secured to said shaft to form a conveyor to feed coal through said pipe to said burner upon rotation of said shaft, the overall diameter of said conveyor being substantially less than the inside diameter of said conveyor pipe, and power mechanism for rotating said shaft.

2,250,182
FIRE FOAM PRODUCING COMPOSITION
Ernest F. Goodner and Frederick W. Dittus, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 18, 1939, Serial No. 295,456
6 Claims. (Cl. 252—7)

1. A fire foam powder comprising a mixture of aluminum sulfate and sodium bicarbonate which react in water to produce carbon dioxide and a gelatinuous precipitate and a foam augmenting and stabilizing agent comprising an organic compound selected from the group consisting of ether acids having a general formula

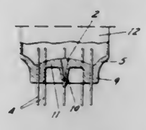
R—O—R'—COOH

where R is a member of the group consisting of alkyl, aryl, aralkyl, and cyclic non-benzenoid chemical groups and R' is an aliphatic group and the alkali metal salts of said ether acids.

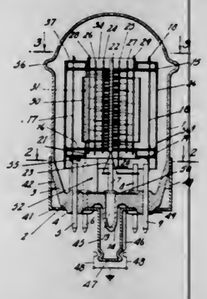
2,250,183
ELECTRON DISCHARGE TUBE AND METHOD OF MANUFACTURE
Carl F. Miller, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application November 20, 1937, Serial No. 175,619
8 Claims. (Cl. 250—27.5)

1. A composite unitary stem-base for an elec-

tron discharge tube comprising a glass bottom flattened in a plane substantially transverse to the vertical axis of the tube and having a plurality of rigid conductors directly sealed therethrough in a vacuum-tight manner with the external ends of said conductors serving directly as rigid contact prongs for the tube, the transverse thickness of said bottom being increased where the prongs pass and being preformed with transverse perforations to receive said prongs so that said glass bottom can be molded directly around said prongs in a vacuum-tight manner, said bottom having a substantially uniform density of glass in substantially the entire transverse thickness surrounding each prong.



2,250,184
ELECTRON DISCHARGE TUBE
Carl F. Miller, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application February 8, 1938, Serial No. 189,295
18 Claims. (Cl. 250—27.5)



13. An electron discharge device comprising an envelope, a plurality of electrodes in said envelope, and a plurality of contact pins connected to said electrodes and arranged in a circle at one end of said envelope, a perforated metal disc secured to and extending across said end of the envelope and electrically insulated from said pins by means of glass bosses fitted into said perforations and sealed to said pins, a metal plug-in member extending from the center of said metal disc for supporting said tube and electrostatically shielding said pins.

2,250,185
HEAT REFLECTING TEMPORARY COATING MATERIAL
Orville E. Mohler, Glendale, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 1, 1939, Serial No. 292,992
1 Claim. (Cl. 106—14)

A composition for forming a heat-reflecting, corrosion-resisting, easily removable coating, comprising: a suspension of aluminum powder in a solution consisting of 15% to 50% naphthenate of a metal selected from the group comprising zinc, copper, calcium, and magnesium and 85% to 50% of a volatile petroleum solvent, said suspension being compounded in the proportions of approximately ½ pound of aluminum powder per gallon of said solution.

2,250,186
MANUFACTURE OF CEMENT, ALKALI METAL ALUMINATE, AND SULPHUR DIOXIDE
Walter Noll, Cologne-Mulheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 21, 1939, Serial No. 252,119. In Germany February 2, 1938
9 Claims. (Cl. 23—52)

1. Process of preparing cement, alkali metal aluminate and sulphur dioxide which comprises mixing a material containing aluminium oxide and silicon dioxide in a proportion of 1 mol of Al_2O_3 to about 0.6 to 6 mols of SiO_2 with calcium sulphate whereby the mixture to be calcined is composed in such a proportion that there are present 1.8–2.2 mols of CaO to 1 mol of Al_2O_3 and in addition 1.8–2.2 mols of CaO to 1 mol of SiO_2, and carbon in an amount of about 4 to about 6% calculated on the amount of calcium sulphate present, heating the finely divided mixture to sintering temperature, to drive off the SO_2, lixiviating the calcined product by means of an aqueous solution of an alkali metal salt which yields by double decomposition a difficultly soluble calcium compound, separating the alkali metal aluminate solution obtained from the solid residue, washing the residue by means of water, heating the washed solid residue to sintering temperature, and grinding the resulting product to produce a cement.

2,250,187
SPACE DISCHARGE TUBE
Arne Schleimann-Jensen, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application September 29, 1938, Serial No. 232,284
3 Claims. (Cl. 250—27.5)

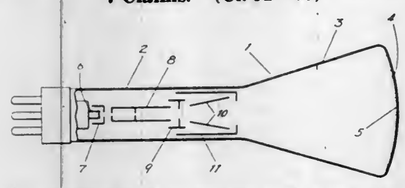


1. A full wave rectifier tube comprising a plurality of sets of cathodes and anodes, said anodes being energized by a voltage which changes polarity periodically with respect to the cathode, and an auxiliary electrode for each set to suppress spurious oscillations engendered by reversal of current or potential between the associated electrodes during the normal operation of said tube as a rectifier, said auxiliary electrode being at floating potential.

2,250,188
LUBRICATING OIL
Chester E. Wilson, San Pedro, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application January 15, 1940, Serial No. 313,926
22 Claims. (Cl. 252—39)

1. A mineral lubricating oil containing a small proportion of an oil-soluble metal soap of the condensation product of formaldehyde with an alkyl phenol, in proportion to control the development of acidic conditions during use of the lubricating oil.

2,250,189
METHOD OF APPLYING FLUORESCENT MATERIAL IN CATHODE-RAY TUBE MANUFACTURE
Charles H. Bachman, St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application May 3, 1937, Serial No. 140,369
7 Claims. (Cl. 91—70)

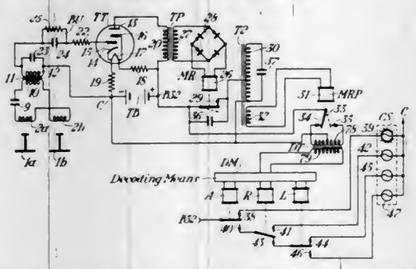


1. The method of attaching a fluorescent coating to a support which includes the steps of hydrolizing a solution of a nitrate of a metal of the group consisting of magnesium, aluminum, beryllium, titanium and zirconium until the nitrogen and the metal of the salt are present in substantially equal atomic proportions, drying the solution and redissolving it to form a tacky viscous binder, applying the said binder and the powdered fluorescent material to the support, and drying the mixture on the support.

2,250,190
FLOTATION FROTHER
Ludwig J. Christmann, Bronxville, and David W. Jayne, Jr., Port Chester, N. Y., assignors to American Cyanamid Co., New York, N. Y., a corporation of Maine
No Drawing. Application November 5, 1937, Serial No. 172,898
3 Claims. (Cl. 209—166)

1. A method of froth flotation of lead ores which comprises subjecting a pulp of lead ore to froth flotation in the presence of a flotation promoter and a frother containing a major proportion of alkylated crude low boiling cresylic acid mixture, said alkyl radical being from two to five carbon atoms in length.

2,250,191
RAILWAY TRAFFIC CONTROLLING APPARATUS
Ralph K. Crooks, Sharpsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 16, 1940, Serial No. 361,344
12 Claims. (Cl. 246—63)



1. In railway traffic controlling apparatus for use with a track section whose track rails are supplied at its exit end with alternating current coded at a preselected code rate and a receiving circuit mounted on a train to receive during each on period of such coded current an electromotive force the magnitude of which may progressively increase as the train moves from the entrance end to the exit end of the section due to the rail current increasing in magnitude, the combination comprising; an electron tube having a plate, a cathode and a control grid; a single train carried source of current, a heater circuit including said current source and a current limiting resistor to heat the tube and connected with said resistor interposed in the lead between the cathode and the negative terminal of the current source to provide a fixed predetermined bias voltage across such resistor, a condenser and a resistor connected to form a biasing unit with a time constant longer than the off period of said code rate; a grid circuit including a winding coupled to said receiving circuit, said biasing unit and said current limiting resistor and connected across said control grid and cathode to apply to said tube a control electromotive force derived from said track rail current and modified by only the bias voltage of said current limiting resistor when the train is at the entrance end of the section and the rail current is of relatively low magnitude and modified by both the bias voltage of said current limiting resistor and the voltage developed across said biasing unit when the train is at the exit end of the section and the rail current is of relatively high magnitude, a plate circuit including said current source and a winding and connected to said plate and cathode, and a code following relay controlled by said winding in response to the variations of the plate circuit current as effected by the electromotive forces applied to the tube by said grid circuit.

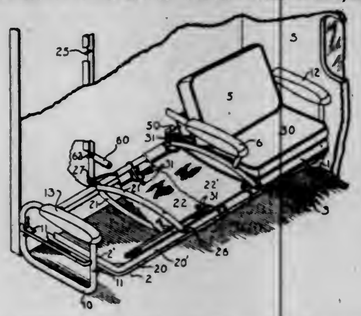
2,250,192
MANUFACTURE OF EXPANDED RUBBER PRODUCTS
George R. Cuthbertson, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 14, 1939, Serial No. 267,925
7 Claims. (Cl. 260—722)

1. A method of making gas-expanded rubber products which comprises incorporating into a vulcanizable rubber composition two different vulcanizing agents each of which is capable of vulcanizing the rubber in different ranges of temperatures or at different rates, one of said vulcanizing agents being a non-sulphur vulcanizing agent selected from the class consisting of polynitro benzenes, organic acid peroxides, halogenated quinones, quinone-oximes, and quinone-imines, and which is more active at lower temperatures of vulcanization than sulphur, the other and less active vulcanizing agent being sulphur, effecting a partial cure primarily with the non-sulphur vulcanizing agent and gas-expanding the rubber mass, and subsequently after gas expansion of the rubber effecting the final cure primarily with the sulphur.

2,250,193
CONVERTIBLE SEAT AND BERTH ARRANGEMENT
Elliott G. Emery, Jr., and Hudson T. Patten, Jr., Seattle, Wash., assignors, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application April 14, 1937, Serial No. 136,742
23 Claims. (Cl. 155—6)

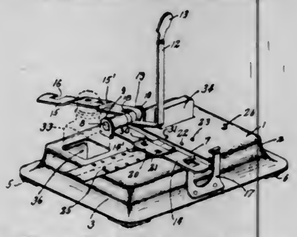
1. An upper and lower berth arrangement for an aircraft compartment or the like convertible to form a seat arrangement, comprising a lower

berth framework, of a length and width corresponding to that of a berth, means to support the same adjacent its ends, elevated above the floor of the compartment to a height convenient for a lower berth or seat, the same framework including linear marginal tubular members and transverse struts interconnecting the side marginal members at points spaced therealong and downwardly curved to allow space for the sag of mattress means supported from the side marginal members, under the weight of an occupant, thereby to provide a resilient support of comfortable contour, an upper berth framework of substantially the same length and breadth as said lower berth framework and including marginal tubular members and downwardly curved transverse tubular struts interconnecting the side marginal members and corresponding in position to the struts of said lower berth framework, means



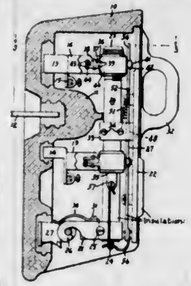
to support the upper berth framework above the lower berth framework in berth-forming position, said upper berth framework in seat-forming position being formed and shaped to rest when inverted upon said lower berth framework, to form the upper portion of a seat frame, and with its transverse struts upwardly curved to define, in combination with each other and with the end members of said marginal frame, the widths of individual seats, means to maintain the said two frameworks in such relative position in seat-forming position, a flexible web secured to and stretched over each such framework, and seat and back cushion means shaped to rest upon the upper berth framework, between the cross struts thereof, when the latter is in seat-forming position, or to rest upon the said flexible sheets to constitute a mattress when said frameworks are in berth-forming position.

2,250,194
FILM SPLICER
Arthur E. Gavin, Huntington Park, Calif.
Application June 14, 1938, Serial No. 213,609
3 Claims. (Cl. 154—42)



1. In a film splicer, the combination of a table having a film cutting slot therein, a hinge pin carried by the table transversely relative to the slot, a cutter bar pivotally mounted by the hinge pin and having an angulated section adapted to pass through the slot to cut film positioned thereover, a pressure bar having a bifurcated hinge portion mounted on the hinge pin with the bifurcations positioned on opposite sides of the cutter bar, and a second pressure bar mounted on the hinge pin adjacent the first said pressure bar whereby the said second pressure bar is positioned relative to said slot so that its edge defines the splicing margin at one side of the slot.

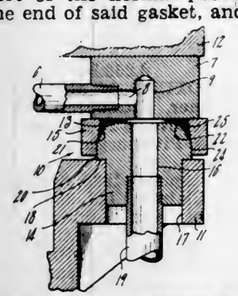
2,250,195
ELECTRIC CIRCUIT INTERRUPTER
Benjamin R. Hermann, Lanesborough, Mass., assignor to General Electric Company, a corporation of New York
Application August 31, 1939, Serial No. 292,852
11 Claims. (Cl. 200—114)



1. In a circuit interrupter, a support having spaced terminals, a switching unit for connection between said terminals including a tubular fuse holder pivoted adjacent one end on said support and a fuse link in said holder, a pair of elements associated with the holder at a point remote from said one end of the holder for engagement with cooperative structure on said support to latch the holder in connected position, said elements being guided for relative movement toward and away from each other, and positioning mechanism for said elements having a part extending along the side of said holder and automatically movable from one position to another position relative to the holder upon rupture of said fuse link, said mechanism maintaining said elements in latching engagement with said structure when said part is in said one position and effecting movement of the elements in opposite directions to release the elements from said structure upon movement of said part to said other position, said part being releasably restrained in said one position by engagement with a portion of said fuse link which extends out of said pivoted end of said holder.

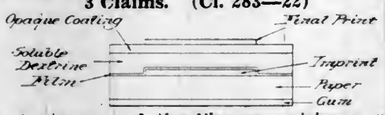
2,250,196
VULCANIZER SEAL
Francis I. Honderich, Natchez, Miss., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 27, 1938, Serial No. 237,205
2 Claims. (Cl. 285—1)

2. Readily separable connecting means for the transmission of fluid pressure comprising a hollow member terminating in a frusto-conical surface, a rubber gasket having a cup-like flanged portion adapted to conform to said frusto-conical surface and an end portion having an opening therethrough, said end portion normally projecting beyond and out of engagement with the surfaces of said hollow member, a sleeve adapted to surround said hollow member and confine the flanged portion of said gasket, said sleeve terminating short of the normal position of the opening in the end of said gasket, and a second



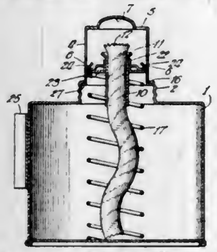
member having a fluid passage-way therethrough for engaging the end of said gasket and confining it within the end surfaces of said sleeve and said hollow member whereby the gasket closes the joint between said hollow and said second members.

2,250,197
STAMP AND THE LIKE
Ferdinand W. Humphner, Oak Park, Ill., assignor to Mid-States Gummed Paper Co., Chicago, Ill., a corporation of Delaware
Application March 8, 1940, Serial No. 323,047
3 Claims. (Cl. 283—22)



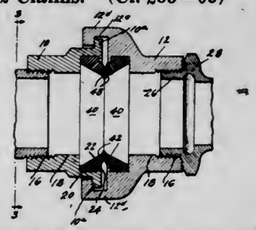
1. A stamp and the like comprising a paper base, printing thereon in water-insoluble ink indicating cancellation, a substantially water-impervious film over said base and printing and through which said printing is visible, a layer of water-soluble adhesive over said film, an opaque coating over said adhesive and concealing said imprint, and a final print on the top of said opaque coating.

2,250,198
FLARE
Raymond F. Hutt, Fort Madison, Iowa
Original application May 13, 1935, Serial No. 21,149. Divided and this application May 13, 1940, Serial No. 334,716
5 Claims. (Cl. 67—55)



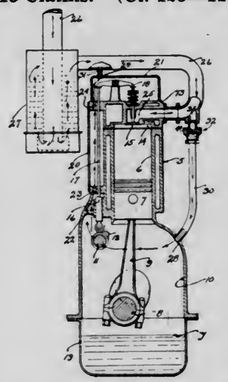
1. A burner comprising a fuel reservoir having an aperture in the top thereof, a cup-shaped combustion chamber having its open end extending into said aperture and having an outwardly directed flange adapted to bear against the reservoir wall around said aperture and limit the outward movement of the combustion chamber with respect to the reservoir, a wick core, a collar for said core, an annular flange on said collar adapted to fit in said combustion chamber and to be slidably withdrawn therefrom, stop means limiting the upward movement of the annular flange in said chamber, and a spring in said reservoir pressing the collar and flange upwardly to hold them in position in said combustion chamber.

2,250,199
COUPLING
John T. Kelly, Chicago, Ill.
Application August 14, 1940, Serial No. 352,534
2 Claims. (Cl. 285—63)



1. The combination with a pair of coupler members having radially inwardly extending flanges forming end walls for cylindrical recesses in their opposing ends, of similarly shaped gaskets in each recess, each of said gaskets in the form of a ring having a cylindrical outer surface and a tapered bore, each of said gaskets having a reduced cylindrical portion fitting through the end wall of said recess and tapered meeting edges adapted to be pressed against each other to be deformed from a line meeting edge to have a ring surface contact area when said coupler members are connected together.

2,250,200
CRANKCASE VENTILATING SYSTEM
Wilfred W. Lowther, St. Paul, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Delaware
Application May 27, 1938, Serial No. 210,409
13 Claims. (Cl. 123—119)



1. The combination with an internal combustion engine having a crank-case, a combustion chamber, an air intake duct leading to the combustion chamber, and an engine operated intake valve for intermittently opening and closing off communication between the air intake duct and

combustion chamber, of a crank-case ventilating system comprising an air outlet from the crank-case, a conduit extending from the combustion-chamber air intake to the crank-case and having interposed therein a one-way check valve permitting air to flow only in the direction from the combustion-chamber air intake duct to the crank-case, whereby to utilize the instantaneous pressure surges produced in the intake under intermittent closing of the intake valve to force air from the engine intake duct into and through the crank-case.

2,250,201
METHOD OF PREPARING STABLE CELLULOSE ESTERS
Carl J. Malm, Rochester, N. Y., and Guy A. Kirton, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 3, 1939, Serial No. 254,492
5 Claims. (Cl. 260—225)

1. The method of stabilizing a cellulose ester containing at least 25% of fatty acid groups of 3–4 carbon atoms which is in solution in the reaction mixture in which it was prepared, in which a sulfuric acid catalyst was employed, which essentially consists of adding slowly over a period of at least ten minutes sufficient water thereto to convert all the anhydride present to acid and maintaining at 100–120° F. during the addition of the water, adding lower fatty acid anhydride thereto and then adding slowly over a period of at least ten minutes sufficient water to convert all the added anhydride to acid and maintaining at 100–120° F. during the addition of the water, subsequently neutralizing all of the sulfuric acid with approximately a chemically equivalent amount of a neutralizing agent which gives a sulfate soluble in both water and aqueous acetic acid and after precipitating and washing the ester, boiling it in purified water for a sufficient time to assure a highly stable product.

2,250,202
CONTROL DEVICE FOR ELECTRIC TRANSLATING APPARATUS
Yosio Matusita, Yokohama, Japan, assignor to General Electric Company, a corporation of New York
Application July 19, 1938, Serial No. 220,157
In Japan August 17, 1937
17 Claims. (Cl. 171—119)

17. In combination, a load circuit, circuit controlling means connected between said source and said load circuit for effecting periodic energization thereof, and means responsive to the voltage appearing across said circuit controlling means to determine the interval of time between the periodic energizations of said load circuit.

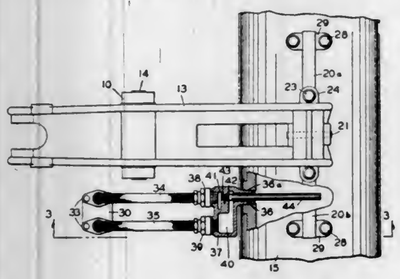
2,250,203
METHOD FOR BLEACHING OILS, FATS, AND WAXES
Anna Noder, Munich, Germany, assignor to Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y.
No Drawing. Application June 8, 1939, Serial No. 278,168. In Germany September 6, 1937
1 Claim. (Cl. 260—423)

The method of bleaching a material of the group consisting of oils, fats and waxes which comprises subjecting the material to indirect heating to raise the temperature thereof to 50° C. to 100° C. and thereafter slowly adding to the material with agitation an amount of a perpyrophosphate sufficient to bleach the material and continuing the agitation and maintaining the temperature within the stated range until the bleaching is effected.

2,250,204
MANUFACTURE OF MELLITIC ACID
Bernard Juettner, Pittsburgh, Pa., assignor to Carnegie Institute of Technology of Pittsburgh, Pennsylvania, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 6, 1939, Serial No. 266,345
10 Claims. (Cl. 260—523)

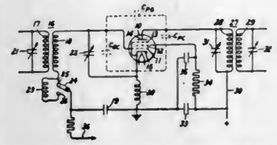
1. In the process of making mellitic acid, the steps which consist of treating a substance of condensed carbocyclic structure which contains at least one six-membered carbon ring with six other aromatic carbon atoms attached thereto with nitric acid followed by a treatment with an alkali metal permanganate in an alkaline solution.

2,250,205
FLEXIBLE STEAM HOSE CONNECTION
Herbert S. Rohm, East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application June 11, 1938, Serial No. 213,155
2 Claims. (Cl. 38—36)



1. A steam connection adapted for use with a laundry press having a frame, a buck supported on said frame, a lever pivoted to the frame and a head carried by the lever, the head being hollow and provided with a steam chest therein, said connection comprising in combination, a pair of flexible hose sections, each connected at one end to the frame member and at the other end to the head, said sections lying side by side, spaced from each other in the direction of the axis of the lever pivot, a steam connection connected to admit steam to the frame end of one of said sections and a discharge connection connected to receive exhaust from the frame end of the other section, a fitting on said head having two parallel sockets spaced apart in the direction of the axis of the lever pivots and adapted to receive the ends of said hose sections respectively, said fitting having an opening connecting one of said sockets to the interior of the head substantially at the point of entry and said fitting having also another opening extending into the interior of the head and connected to the other of said sockets at a point normally above the point of entry, whereby the exhaust hose section is connected directly to the point of entry into said head and the steam hose is connected to the opening extending into the head.

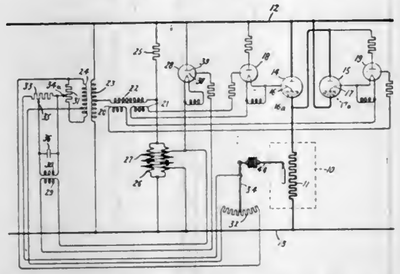
2,250,206
AMPLIFYING SYSTEM
Charles S. Root, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 19, 1940, Serial No. 366,250
6 Claims. (Cl. 179—171)



1. In combination, an amplifier having a cathode, a grid and an anode, an output circuit having one terminal connected to said anode and the other terminal connected to said cathode through an impendance element, said output circuit having a net terminal impedance $\dot{Z}_1$ and said element having an impedance $\dot{Z}_2$ at the operating frequency of said amplifier, each of said impedances having a relatively low ratio of reactance to resistance at said frequency, and an input circuit having a capacitive branch and an inductive branch, one of said branches being connected between said grid and said cathode, the other of said branches being connected between said grid and the point between said output circuit and said impedance element, said latter branch having a net terminal impedance $\dot{Z}_4$ at said operating frequency, the relationship between said impedances and the impedance $\dot{Z}_3$ due to the capacity between said anode and said grid being substantially expressed by the equation:

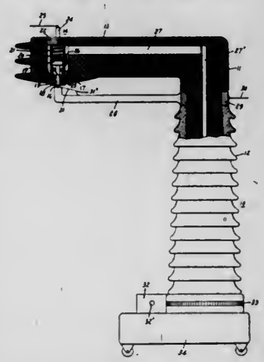
$$\dot{Z}_2 = -\frac{\dot{Z}_4\dot{Z}_1}{\dot{Z}_1+\dot{Z}_3+\dot{Z}_4}$$

2,250,207
TEMPERATURE CONTROL SYSTEM
Elbert D. Schneider, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 16, 1939, Serial No. 309,693
11 Claims. (Cl. 236—15)



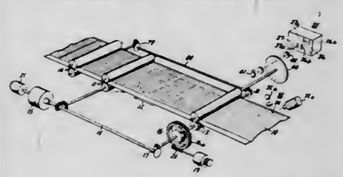
1. A temperature control system for electrically heated devices, comprising electric heating means, a cold cathode electric discharge device connected in series with said heating means for controlling the supply of heating current thereto, a vapor electric discharge device for starting said cold cathode device, control discharge means for starting said vapor electric device, and temperature responsive means including a variable reactance device for controlling said control discharge means in response to the temperature of the heated device.

2,250,208
ELECTRIC CIRCUIT BREAKER
Erhard Schulz, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York
Application May 29, 1940, Serial No. 337,937
In Germany March 1, 1939
9 Claims. (Cl. 200—148)



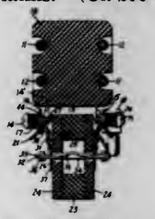
1. An electric circuit breaker of the fluid blast type for high voltage power circuits comprising a main supporting insulating means, an arc interrupting unit including contact structure comprising a movable contact supported by said means, a movable contact structure mounted for rotative movement with respect to said means for engaging said movable contact of said interrupting unit, and means for directing fluid under pressure to said unit for interrupting arcing upon separation of said contact structure.

2,250 209
CONTROL SYSTEM
David R. Shoults and William D. Cockrell, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 17, 1939, Serial No. 304,996
17 Claims. (Cl. 271—2.6)



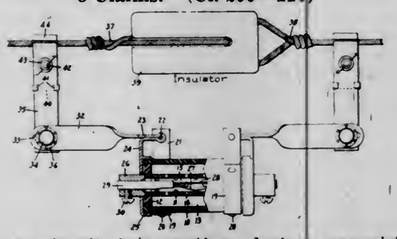
1. A control system for apparatus having an element operating on a length of moving material comprising light sensitive means actuated by indicia on said material for producing current variations, a second light sensitive means for producing current variations in accordance with the position of said element, means responsive to the substantially simultaneous occurrence of said current variations for correcting the relative positions of said material and said element and electric valve means provided with a pair of control grids and requiring the substantially simultaneous variation of the voltages of both said grids to change the conductivity of said valve means and electrical connections from said first light sensitive means to one of said grids and from said second light sensitive means to the other of said grids.

2,250,210
ELECTRIC CIRCUIT INTERRUPTER
Sidney R. Smith, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 19, 1939, Serial No. 285,339
12 Claims. (Cl. 200—117)



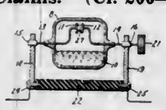
1. In a circuit interrupter, current carrying means operable to interrupt an electric circuit, an insulating carrier therefor having two levers pivoted so as to be swingable relative to each other and the body of the carrier, means operative normally to restrain the levers against swinging and arranged to release the levers responsively to circuit interrupting operation of said first means, and supporting means for the carrier comprising two supporting elements cooperating respectively with said levers in a manner to support the carrier normally in an operative position and to cause swinging of the levers relative to the carrier upon release of the levers by said restraining means.

2,250,211
ELECTRIC CIRCUIT INTERRUPTER
Sidney R. Smith, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 19, 1939, Serial No. 285,340
8 Claims. (Cl. 200—117)



1. A circuit interrupting device comprising, current carrying means operable to interrupt an electric circuit, an insulating carrier therefor, an element pivoted on said carrier so as to be swingable relative to the body of the carrier, means restraining said element in a predetermined position relative to the carrier and arranged to release said element upon circuit interrupting operation of said first means, and two conductive supporting elements relatively permanently joined with said carrier and electrically connected with said first means, each of which supporting elements has means adapted for engagement directly with an electric line wire or the like for suspension mounting of said carrier, and one of said supporting elements comprising a conductor attached to said pivoted element at a point spaced from the pivot point of the latter in a manner to impose on the pivoted element a biasing force in opposition to said restraining means when said carrier is suspended from electric line wires or the like by said supporting elements.

2,250,212
LIQUID CONTACT DEVICE
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 31, 1940, Serial No. 348,846
5 Claims. (Cl. 200—33)

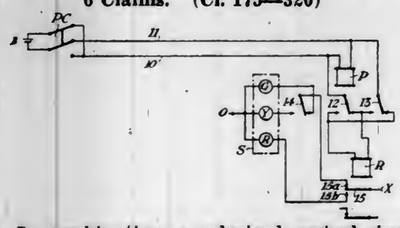


2. A time delay switch comprising a body of liquid contact material and cooperating terminal elements which are immersed in the contact material during certain positions of the switch and which are above the level of the material in certain other positions of the switch, the said terminal elements being disk-like metal bodies positioned in face-to-face relation and in such close proximity as to assure the retention of a quantity of contact material between the bodies when they are moved from an immersed to a non-immersed position, thereby to delay complete opening of the switch for a period sufficient to permit vaporization of the retained contact material.

2,250,213
SYNTHETIC ORE FOR BLAST FURNACES
Charles E. Agnew, West Norriton Township, Montgomery County, Pa.
No Drawing. Application July 11, 1940, Serial No. 344,943
15 Claims. (Cl. 75—28)

1. The process of producing synthetic ore suitable for use in a blast furnace, which comprises melting a mixture of open hearth slag and iron bearing material, holding the melt for a time sufficient to dissolve the iron bearing material and produce a homogeneous molten mass, and treating the molten mass with cooling fluid to produce a cellular product.

2,250,214
ELECTRICAL CONTROL APPARATUS
Harry E. Ashworth, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 30, 1939, Serial No. 311,955
6 Claims. (Cl. 175—320)



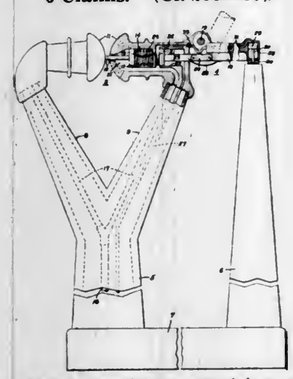
1. In combination, a polarized control circuit, a polar relay having its winding connected with said circuit and having polar contacts responsive to the polarity of the current supplied to said circuit, and an auxiliary relay which will respond to current of one polarity only connected with said control circuit over pole changing contacts of said polar relay in such manner that said auxiliary relay will be supplied with current of the polarity to which it will respond if and only if the polar contacts of said polar relay occupy positions corresponding to the polarity of the current supplied to said control circuit.

2,250,215
AERIAL EFFECT TOY
Samuel I. Berger, Newark, N. J., assignor to Unique Art Manufacturing Co., Inc., Newark, N. J., a corporation of New Jersey
Application October 25, 1940, Serial No. 362,736
8 Claims. (Cl. 46—107)



1. A toy comprising a vehicle body adapted to be moved in non-parallel directions, means carried by said body for propelling same, and a toy figure pendantly and rotatably secured to the body and adapted to freely rotate thereon and to respond to the movement of the body in non-parallel directions by swinging on the body in simulation of aerial movement of the figure uncontrolled by the direction of propulsion of the toy vehicle.

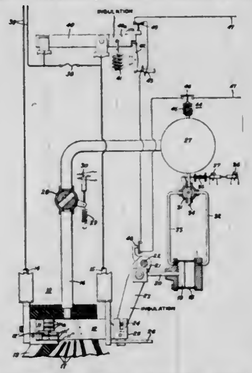
2,250,216
ELECTRIC SWITCH
Josef Biermanns, Berlin-Friedrichshagen, Germany, assignor to General Electric Company, a corporation of New York
Application June 11, 1940, Serial No. 339,989
In Germany June 3, 1939
6 Claims. (Cl. 200—80)



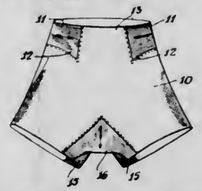
1. An electric switch comprising an electric current conducting member mounted for angular movement, a stationary contact member engageable by said conducting member upon angular movement thereof in one direction, fluid pressure operated means for exerting a force directly on one of said members adjacent their point of engagement tending to effect the separation of the members, and means for conducting fluid to said pressure-operated means by way of said electric current conducting member.

2,250,217
CIRCUIT-INTERRUPTING SYSTEM
Eugene W. Boehne, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application February 28, 1940, Serial No. 321,235
5 Claims. (Cl. 175—294)

1. A circuit-interrupting system comprising a source of fluid under pressure, a main circuit breaker for interrupting said circuit which depends for its operation at least to some extent upon said source of fluid under pressure, an auxiliary interrupting device, means normally maintaining said auxiliary interrupting device ineffective to interrupt said circuit, and means for controlling said last-mentioned means so that said auxiliary interrupting device becomes effective to interrupt the circuit when said source of fluid pressure is inadequate to operate said main circuit breaker properly.



2,250,218
PANTIE
Esther Cadous, Brooklyn, N. Y.
Application April 13, 1940, Serial No. 329,428
2 Claims. (Cl. 2—224)

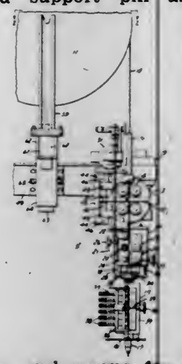


2. A form-fitting pantie comprising a body portion composed essentially of non-elastic fabric and an elastic panel at the waistline comprising a horizontal band extending across the back and around to the front with its ends formed with downwardly extending wings which fit above the hips, said wings being spaced in front to leave a non-elastic fabric panel over the abdomen, said elastic panel and end wings being made of one-way stretch material which is stretchable horizontally so as to cause the garment to conform to the waist and hips of the wearer, said elastic panel extending downwardly in a narrow panel at the back, the lower end of said back panel being formed in two separate wings extending downwardly to the bottoms of the respective legs of the garment so as to cause the entire garment to conform to the body of the wearer.

2,250,219
WELDING APPARATUS
Verni J. Chapman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 29, 1940, Serial No. 367,777
6 Claims. (Cl. 219—8)

2. Arc welding apparatus comprising an arc

welding head, a non-rotatable pin, means for hinging said welding head about said pin, a lever hinged on said support pin and releasably



clamped thereto, and means for adjusting the spacing of said lever and said welding head relatively to one another.

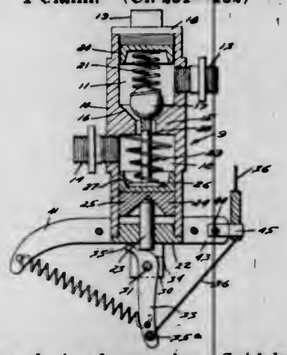
2,250,220

HYDRAULIC BRAKE HOLDING MECHANISM

Joseph Victor Cloutier, Berlin, N. H.

Application January 21, 1941, Serial No. 375,331

1 Claim. (Cl. 251—132)



A holding device for use in a fluid brake line comprising a shell having upper and lower closed ends, an intermediate internal flange dividing the shell into a pair of upper and lower outlet and inlet chambers, respectively, and forming a valve seat between said chambers, inlet and outlet nipples extending out of said chambers, respectively, a ball valve spring biased to normally engage said seat, and means to normally hold said valve elevated off the seat and operative to lower the valve at will comprising a vertically movable ball supporting pin in said lower chamber movable downwardly to lower said ball into seated position, pin supporting means in the lower chamber comprising a vertically movable follower adapted to be lowered under the pressure exerted against said pin, a follower supporting pin vertically slidable at the lower end of the shell and adapted to be lowered to permit lowering of the follower, a lever pivotally mounted on the lower end of the shell in pendant position and having a cam end holding said follower supporting pin elevated, said lever being swingable in one direction from a normal position to permit lowering of the follower supporting pin, a pull cable for swinging said lever in said one direction, spring means tensioning the lever against movement in said one direction, and a stop on said lever engaging the follower lowering pin to establish the normal position of the lever under the urge of said spring means.

2,250,221

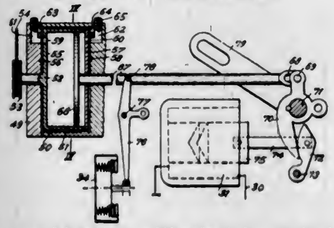
ELECTRICAL CONTROL DEVICE FOR CLUTCH AND GEAR MECHANISMS

Ernest Alphonse Derungs, Neuilly-sur-Seine, France

Application May 6, 1939, Serial No. 272,242

In France May 7, 1938

2 Claims. (Cl. 192—3.5)



1. In combination with electric control means for motor vehicles having a change speed gear and a clutch, electromagnetically operative means for disengaging the clutch and for changing the relative position of the gears, a plurality of electric circuits for controlling said electromagnetically operative means, a commutator for closing said circuits, means for automatically opening the circuits when a change of gear has been effected, and damping means responsive to the position of said commutator for damping the movements of said electromagnetically operative means and of the clutch engaging movement.

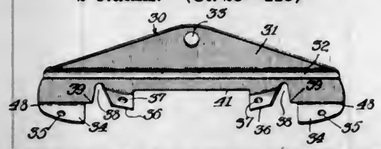
2,250,222

CURB TEMPLATE

Robert G. Ferris, Harvard, Ill., assignor to Starline, Inc., Harvard, Ill., a corporation of Illinois

Application January 23, 1939, Serial No. 252,497

2 Claims. (Cl. 25—118)



1. A template, for the purpose set forth, having substantially horizontal spaced surfaces for seating the template on the upper edges of substantially vertical mold boards and inclined surfaces set in from said first-referred-to surfaces for seating the template on the upper edges of upwardly converging mold boards, said inclined surfaces being located in a plane above said horizontal surfaces, and the lower edge of the template between said inclined surfaces being recessed, whereby in the use of either of said surfaces space for troweling is provided between the template and the top of the concrete molded between the mold boards.

2,250,223

THEATER CHAIR

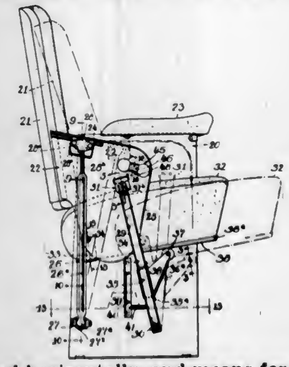
Merrill W. Hard, Los Angeles, Calif.

Application December 8, 1938, Serial No. 244,517

6 Claims. (Cl. 155—115)

3. In a chair comprising a pair of pedestals, a pair of upright standards mounted for pivotal movement at their lower ends on said pedestals, a chair back having rigid side plates mounted for pivotal movement on the upper ends of said standards, a seat pivotally connected to said side

plates, a pair of upright links forward of said standards pivotally connected at their upper ends to said side plates and at their lower ends to said pedestals, the means for the pivotal connection at the top and bottom of each link including a threaded bolt, a bearing sleeve and lock nut by means of which the ends of said link may



be adjusted horizontally, and means for supporting the bottom bolt including an apertured dome-shaped plate with an entryway wider than the diameter of said aperture whereby said bolt may be introduced into said aperture with its head within said bearing plate, and a second lock nut adapted to lock said bolt to the associated pedestal.

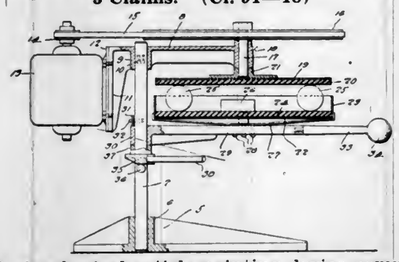
2,250,224

GOLF BALL REPAINTING MACHINE

Lloyd M. Helton, South Bend, Ind.

Application June 17, 1939, Serial No. 279,747

3 Claims. (Cl. 91—18)



2. A spherical article painting device comprising a base, a standard rising from the base, a super-structure on the standard, a motor carried by the super-structure, a vertically movable tray on the standard, a rotary plate carried by the super-structure and driven by the motor, said plate having a resilient portion, said tray being adapted to contain spherical articles to be coated, means for elevating the tray to a position holding the spherical articles against the plate.

2,250,225

APPARATUS FOR THE PRODUCTION OF COVERS, PARTICULARLY FOR CONSERVE CONTAINERS, COMPRISING RIP STRIPS

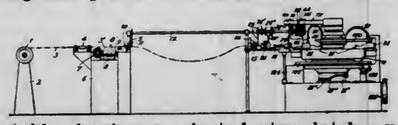
Charles Hummel, Niederuzwil, Switzerland, assignor to the firm Buhler Brothers, Uzwil, Switzerland

Application October 17, 1938, Serial No. 235,540

In Switzerland October 18, 1937

9 Claims. (Cl. 113—15)

1. Apparatus for the production of can covers having outer rims and inner closure discs separable from the rim by tearing a rip-wire from between said rim and disc comprising means for feeding said wire from a roll of supply wire, means for cutting off pieces of said wire of predetermined length, means for temporarily stopping the feeding action of the feeding means when a piece of wire is cut off, means for forming an end portion of the piece of wire cut off into a grip loop, means for forming the remainder of said piece of wire into an insert ring having end portions overlapping each other, a



turntable, having a pivoted stop latch and a clamping lever, the cover ring having an upright flange and a horizontal flange, said stop latch engaging the inner side of the upright flange and the clamping lever engaging said horizontal flange for supporting the rip-wire insert ring in the cover rim, means for placing the wire, so formed, with its insert ring between a closure disc and closure rim, and means for soldering said insert ring between said disc and rim.

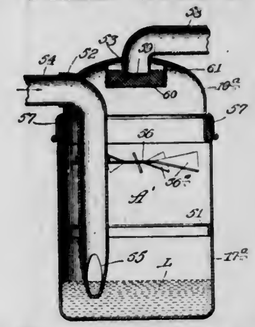
2,250,226

SEPARATOR

Agnes S. Juelson, Chicago, Ill.

Application June 1, 1937, Serial No. 145,871

2 Claims. (Cl. 183—8)



1. In a suction cleaner of the character set forth, a cylindrical liquid container partly filled with liquid, said container being equipped with a removable top closure, an air inlet tube extending through said closure and to the bottom portion of said container, said inlet tube being nearer one side of said container and being turned at its lower end to provide an opening through which air may be discharged substantially parallel with said side of the container whereby rotation of the liquid in said container is produced by the discharge of said air, an air outlet passage leading from the central upper portion of said container, and baffle means for preventing the rise of said liquid to the upper portion of said container, said means including a fan baffle secured to said inlet tube and having blades extending radially of said container, said blades being inclined downwardly in the direction of movement of air and liquid within said container.

2,250,227

DEVICE FOR LOADING GASOLINE INTO TRUCK TANKS

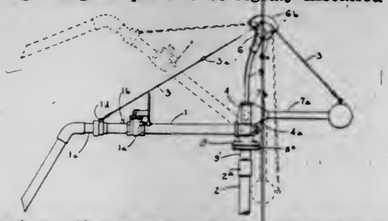
Clemens Albert Kiel, Louisville, Ky.

Application May 26, 1939, Serial No. 275,780

1 Claim. (Cl. 137—21)

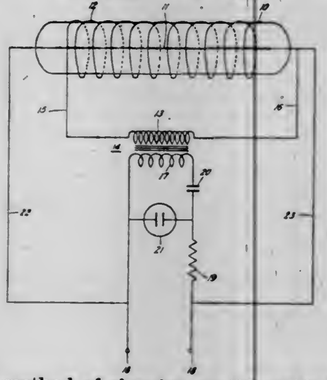
In an appliance of the character described provided with a delivery pipe for transferring gasoline from car-tanks or storage receptacles

into truck-tanks, an improved elbow adapted to connect the main parts of said appliance by means of a vertical swing-joint in one end of said elbow and a horizontal swing-joint in the other end thereof; an integral, rectangular pillow-block cast on the upper side of said elbow and provided with a deep, vertical, rectangular mortise in the upper portion thereof, adapted to support rigidly other parts of said appliance; a vertically disposed rectangular shaft whose upper end is slightly curved and whose lower end is designed to fit rigidly into said mortise to prevent racking and turning therein; a vertically disposed sheave-wheel installed in a hooded housing for protection from the weather, said housing being adapted to be rigidly installed for



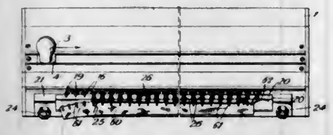
support on the upper end of said rectangular shaft to prevent turning thereon; a variable counterbalance for said delivery pipe, installed on the outer end of a vertically swinging arm pintle-hinged in a pair of parallel integral webs on the side of said pillow-block opposite said delivery pipe, said counterbalance being adapted to operate with an automatically variable gravity-factor corresponding to the variable gravity-factor of said delivery pipe and designed to balance said pipe in any vertical position and to anchor said pipe securely in its elevated position of rest; and a strong connective suspension cable running freely over said sheave-wheel, with the front end thereof attached to said delivery pipe and its back end attached to said counterbalance for the normal operation thereof.

2,250,228
MANUFACTURE OF VACUUM ELECTRIC INCANDESCENT LAMPS
Reginald E. Leeds and Marcello Pirani, Wembley, England, assignors to General Electric Company, a corporation of New York
Application October 5, 1939, Serial No. 298,138
In Great Britain September 30, 1938
4 Claims. (Cl. 176—2)



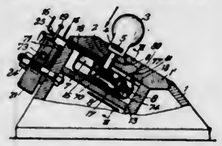
1. A method of cleaning up the residual gases in a vacuum electric incandescent lamp having a filament mounted within an envelope containing a quantity of getter material, which comprises adjusting an external electrode into close proximity to said envelope, and applying an impulsive voltage between said external electrode and said filament to thereby produce a plurality of intermittent discharges therebetween, the duration of each voltage impulse being appreciably less than the interval between successive impulses.

2,250,229
DEVICE FOR THE PRODUCTION OF LOOPED FABRICS
Ernst Luchsinger, Kusnacht, Switzerland, assignor to the firm Luchsinger's Handelsgesellschaft, Amsterdam, Filiale Zürich, Zurich, Switzerland
Application July 25, 1940, Serial No. 347,545
In Switzerland August 4, 1939
6 Claims. (Cl. 66—4)



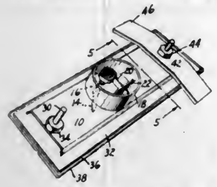
1. In a device for the production of looped textile goods, a stationary needle set for the formation of a first row of loops thereon by means of the working thread, a second displaceable needle set for forming a thread receiving gap between said two needle sets by conjointly advancing the needles of said second set between said stationary needles of said first set, control means for advancing and retracting the needles of said second set between the needles of said first set, and an auxiliary knock-over member associated with said first needle set for depositing said first row of loops on further loops having been formed on said needles of said first set, for effecting stitches by interlacing said first loops with said further loops.

2,250,230
DEVICE FOR THE PRODUCTION OF LOOPED GOODS
Ernst Luchsinger, Kusnacht, Switzerland, assignor to Luchsinger's Handelsgesellschaft Amsterdam, Filiale Zürich, Zurich, Switzerland
Application July 25, 1940, Serial No. 347,546
In Switzerland September 22, 1939
9 Claims. (Cl. 66—4)



1. Mechanism for the production of looped fabrics comprising two sets of needles, a casing, the needles of one set being guided in displaceable fashion in said casing, a bar on which the other set of needles is mounted and constituting with its needles a rake, a control plate for engaging and pushing the needles of said first set temporarily between the needles of the other set so as to be able to pull an inserted thread into loops, said control plate having a variable guide edge for controlling the timed succession of the needle displacements between the needles of said rake, and means forming a receiving seat on the casing for insuring the position of said rake.

2,250,231
THERMOMETER AND MOUNTING
Frederick A. Nodine, Terryville, Conn., assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn., a corporation of Connecticut
Application October 5, 1938, Serial No. 233,366
11 Claims. (Cl. 73—367)

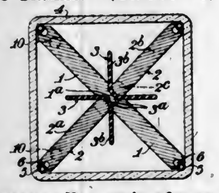


6. In an oven thermometer, a back plate of channel shape supporting heat responsive means on the back and a pointer connected to said means and movable in the channel at the front, a supporting plate extending across the open side of the channel and having an opening through which the pointer is visible, means for securing the supporting plate to the back plate, and means for securing the assembled structure to an oven wall.

2,250,232
RUBBER CHLORIDE COMPOSITION
Clayton Olin North, deceased, late of Charleston, W. Va., by Margaret R. North, administratrix, Charleston, W. Va., assignor to The Raolin Corporation, Charleston, W. Va., a corporation of West Virginia
No Drawing. Original application February 5, 1936, Serial No. 62,547. Divided and this application July 7, 1938, Serial No. 218,020
8 Claims. (Cl. 260—735)

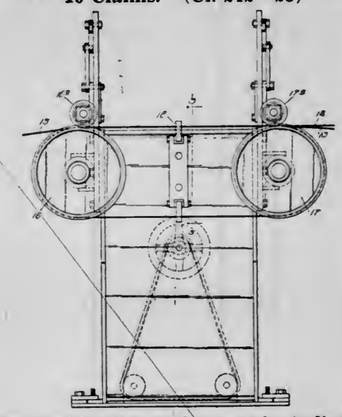
1. In the manufacture of rubber chloride varnishes, the improvement which comprises adding to a solution of rubber chloride in a volatile solvent, a solvent plasticizer capable of dissolving the rubber chloride, said plasticizer being selected from the class of liquid esters of monohydric derivatives of polyhydric alcohols having a substituent on at least one carbon atoms adjacent to the ester group, consisting of esters of glycerine dichlorhydrin containing not more than two esters groups, and mono-basic aliphatic esters of alkyl ethers of ethylene glycol, said plasticizer being added in a proportion insufficient to liquefy the rubber chloride in the dry film obtained by evaporation of the said volatile solvent.

2,250,233
STORAGE CELL WITH RADIAL PLATES
John Roger Parkington, Newcastle-Emlyn, South Wales
Application September 11, 1939, Serial No. 294,390
In Great Britain September 20, 1938
5 Claims. (Cl. 136—6)



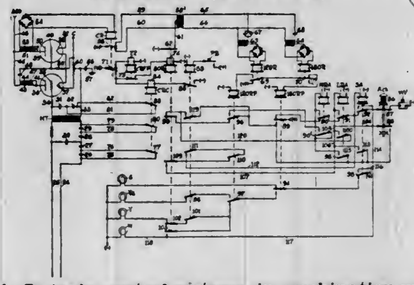
1. In a storage cell, a pair of respectively positive and negative electrode plates mounted in substantially perpendicular mutually insulatingly intersecting relation, and a plurality of insulating baffle plates extending interstitially radially a substantial distance from the intersection of said electrode plates respectively substantially medially therebetween.

2,250,234
WIRE BEAMER TENSIONER UNIT AND METHOD
Robert C. Pierce, Niles, Mich., assignor to National-Standard Company, a corporation of Michigan
Application July 18, 1940, Serial No. 346,235
10 Claims. (Cl. 242—25)



1. In combination with a spool winding thereon a plurality of wires in a set, means for positively and simultaneously feeding to said spool each individual wire of the set at the same rate.

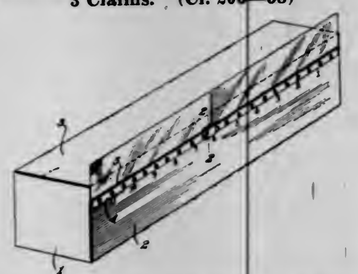
2,250,235
CONTINUOUS INDUCTIVE TRAIN CONTROL SYSTEM
Wade H. Reichard, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 28, 1939, Serial No. 253,320
29 Claims. (Cl. 246—63)



1. In train control systems, in combination with a first stretch of track divided into isolated blocks and having means for placing variously coded train control alternating current of a first frequency on the rails in accordance with traffic conditions ahead, and a second stretch of track divided into isolated blocks and having means for placing non-coded train control alternating current of a second and different frequency on the track rails in accordance with traffic conditions ahead, car carried apparatus including a receiving circuit, a plural aspect cab signal, control means for causing the signal to display dis-

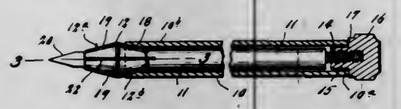
tinctive aspects in accordance with traffic conditions ahead and means including the signal control means for tuning the circuit to resonance at either the first, or the second, frequency.

2,250,236
DOUBLE CUTTER DISPENSING CONTAINER
Bennett Russell, Yakima, Wash.
Application August 24, 1940, Serial No. 354,083
3 Claims. (Cl. 206—58)



1. A container for housing and dispensing roll paper, comprising a front wall, cutting means including a strip secured to the front wall along the length thereof and having a serrated cutting edge disposed above the upper edge of the front wall for severing the paper transversely from the roll, cutting means including parallel wall portions disposed upon opposite sides of the front wall for slidable movement along the strip, a blade formed on the inner wall portion for disposal in the path of the paper for severing the latter longitudinally as it is being removed from the roll, and a handle on the outer wall portion.

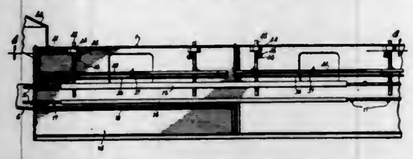
2,250,237
STENCIL KNIFE
Walter G. Schwartzkopf, St. Louis, Mo.
Application May 22, 1940, Serial No. 336,636
8 Claims. (Cl. 30—304)



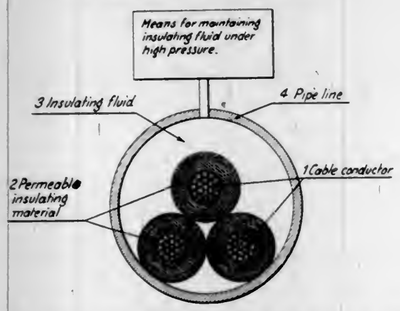
8. In a stencil knife of the class described, the combination with a handle and a holder movably arranged therein and provided with a slotted end to form a pair of jaws, of a pair of knife blades, and a plurality of spacers adapted to fit between said jaws, said spacers being adjustable relatively to said knife blades whereby the latter can be spaced from each other in accordance with the number of spacers used therebetween.

2,250,238
INDUSTRIAL WASHING MACHINE
Donald P. Smith, Norwood, Ohio, assignor to The Alvey Ferguson Company, Cincinnati, Ohio, a corporation of Ohio
Application January 17, 1940, Serial No. 314,285
4 Claims. (Cl. 141—1)

1. A washing machine of the character described, a casing, an endless conveyor extending longitudinally through the casing, sprayer means within the casing directing wash sprays of liquid on the article deposited upon and advanced by the conveyor, and a grid, comprising, a plurality of parallel link suspended spaced bars extending longitudinally of the conveyor for contacting the articles on said conveyor, each bar independently movable and yieldingly urged toward the conveyor to hold the article from rising therefrom by the force of the spray administered thereagainst, said bars as a unit adjustable toward and from the plane of the conveyor.



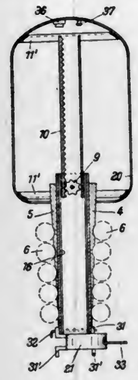
2,250,239
ELECTRICAL POWER CABLE
Hugo Sonnenfeld, Bratislava, Czechoslovakia, assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application December 10, 1931, Serial No. 580,203
In Austria December 10, 1930
4 Claims. (Cl. 174—26)



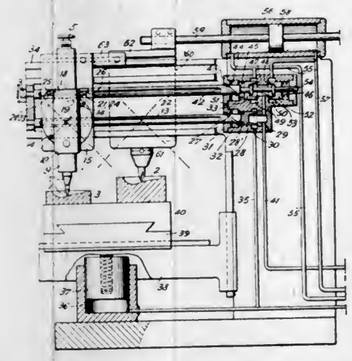
1. A high tension electric cable system, comprising in combination an unsheathed cable conductor insulated with permeable impregnated insulating material, a pipe line enclosing said conductor, the internal diameter of said pipe line relatively to the space occupied by the conductor and its insulation being such as to permit of said insulated conductor being drawn into the pipe line and to permit of its free movement transversely within the pipe line, oil filling the space in said pipe line unoccupied by the said conductor and its insulation and in which the conductor and its insulation are submerged, and means for maintaining said oil under sufficiently high pressure to increase its dielectric strength.

2,250,240
LOAD CARRIER FOR AIRCRAFT
Gustav Steuerlein, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application October 30, 1937, Serial No. 171,900
In Germany November 12, 1936
10 Claims. (Cl. 89—1.5)

1. An arrangement of the character described comprising a hollow airplane portion apertured on its underside, a carrier substantially rectangular in cross section having closed vertical sides, coacting means on said airplane portion and on said carrier for bodily moving the latter vertically whereby the carrier may be raised entirely within said hollow portion or lowered to project through said aperture, means on said carrier for actuating said coacting means and means extending laterally outward from at least one closed side of the carrier against which bombs may be releasably supported.

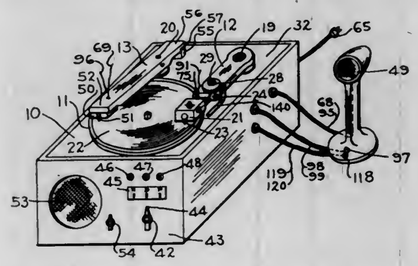


2,250,241
DEVICE FOR CONTROLLING THE FEED MOVEMENT OF A MACHINE PART BY MEANS OF A HYDRAULIC SYSTEM
Alfred Thalmann, Rorschacherberg, Switzerland, assignor to Starrfräsmaschinen A.-G., Rorschach, Switzerland
Application December 14, 1939, Serial No. 309,298
In Switzerland December 24, 1938
26 Claims. (Cl. 90—13.5)



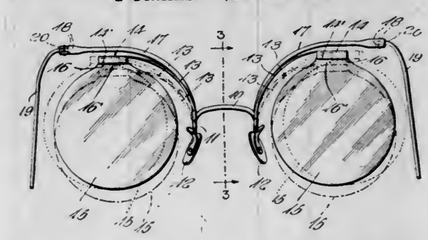
1. In a device for controlling the feed movement of a machine part by means of a hydraulic system, a machine having a part to be fed, a tracer adjustably arranged in a tracer head for controlling the feed movement of said machine part in accordance with feed impulses imparted thereto, a hydraulic cylinder, a piston secured to said machine part adjustably arranged in said cylinder, a pressure fluid control valve, a control chamber accommodating said valve arranged independently of said cylinder, a linkage free from lost motion positively operatively interconnecting said tracer and said valve for adjusting said valve in accordance with said feed impulses, said linkage including a rotatably mounted valve rod, means connecting said control element with said rod to rotate said rod in dependence on control movements of said element, a helical guide member, an adjustable counteracting member engaging said rod, and means engaging said helical guide member to convert the rotative movement of the rod into axial translation with simultaneous rotation and translatory displacement of the valve to open or close the valve; and pressure fluid pipe lines leading into said cylinder via said valve for adjusting said piston by means of said fluid in accordance with said valve adjustments.

2,250,242
DISK DICTATING MACHINE
Lincoln Thompson, Stamford, Conn., assignor to The Sound Scriber Corporation, Stamford, Conn., a corporation of Connecticut
Application December 31, 1938, Serial No. 248,690
11 Claims. (Cl. 179—100.4)



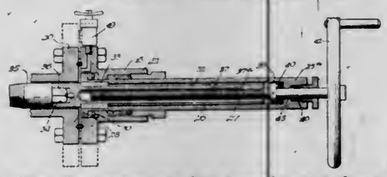
1. In a dictating machine, a driven turntable, a disk record supported thereon, a sound recording head mounted for swinging movement over said disk record, a pickup head mounted for swinging movement over said disk record, a vacuum tube amplifier, a microphone, a loud speaker, and means to selectively electrically connect said microphone and said pickup to the input terminals of said amplifier, means to selectively connect said recording head and said loudspeaker to the output terminals of said amplifier, means to visually indicate the electrical connection selected, and means to magnetically retain said pickup raised from the record while recording.

2,250,243
SPECTACLES
Jasper P. Williams, Waynesboro, Miss.
Application December 5, 1940, Serial No. 368,726
4 Claims. (Cl. 88—41)



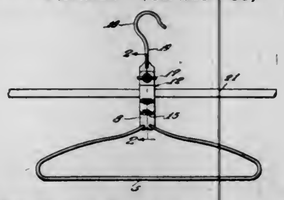
1. Spectacles including a nose bridge, supporting loops connected to the ends of the nose bridge and extending upwardly and forwardly therefrom, curved lens supports connected to said loops and extending upwardly and laterally outward therefrom, lens clips carried by the outer ends of the lens supports, said clips including side members having inturned edges, a pair of lenses each having an ear extending upwardly from its periphery in line with its vertical axis, said ears having transverse grooves receiving said inturned edges of the lens clips, and bows connected to said nose bridge.

2,250,244
PLUG INSERTING AND REMOVING APPARATUS
John R. Yancey, Houston, Tex., assignor to Gray Tool Company, Houston, Tex., a corporation of Texas
Application June 17, 1938, Serial No. 214,372
4 Claims. (Cl. 29—84)



1. In a device for use in removing a valve or the like which controls flow through the outlet from a fitting having fluid under high pressure therein, a housing having means for fluid-tight connection with the valve when the same is closed, said housing having a bore to form a high pressure fluid-tight chamber with the bore of the valve, a carrier in the bore of said housing wholly within the chamber formed thereby, said carrier being arranged for longitudinal movement in said housing, means for preventing said carrier from rotation with respect to said housing during its longitudinal movement, said carrier having means on one end for removably carrying a plug for the outlet from the fitting, said housing having an opening therethrough to its bore, a rod extending through the opening in said housing and into the chamber formed thereby, said rod being mounted for rotation in said chamber, means for preventing longitudinal movement of said rod with respect to said housing during its rotation therein, fluid-tight sealing means between said rod and said housing, and means within said housing and the chamber formed thereby operatively associated with said carrier and said rod for translating the rotary motion of said rod into longitudinal movement of said carrier, whereby said carrier is moved longitudinally in the chamber toward said outlet by the rotation of said rod when the valve is open without forcing said rod into said chamber against the pressure therein, thereby maintaining constant the volume of the fluid in said chamber.

2,250,245
GARMENT HANGER
William H. Angove, Hazleton, Pa.
Application November 29, 1939, Serial No. 306,728
1 Claim. (Cl. 223—88)



In a device of the character described a garment hanger including an elongated plate having laterally spaced openings in its bottom end portion and further having vertically spaced openings in its top end portion, a substantially oval looped wire rod member having its end portions bent and extending through the laterally spaced openings in the bottom end portion of said plate with heads on the ends of said wire rod, a grooved member having an opening therein mounted on one side of said plate, a headed screw threaded member extending through one of said vertically spaced openings in the top end portion of said plate and through the opening in said grooved member with the same depending from said screw threaded member, and a winged nut engaged on said screw threaded member to releasably hold said grooved member in clamping position against said elongated plate to clamp the plate to a clothesline.

2,250,246
PROCESS OF MAKING NEGATIVES IN METAL OF SOLID OBJECTS OR SURFACES
Rea A. Axline, Forest Hills, Herbert S. Ingham, Jamaica, and Arthur P. Shepard, Forest Hills, N. Y.
No Drawing. Application January 31, 1940, Serial No. 316,584
6 Claims. (Cl. 22—196)

1. Process of making negatives in metal of a matrix which comprises spraying metal onto a matrix, consisting of an alloy which, when converted from the solid into the fused state is free from expansion in volume, and which possesses a softening point and a melting point lower than the softening point and the melting point of said spray metal, while the surface of said matrix is in a substantially rigid condition, at least until a substantially self-supporting coherent spray metal coating is obtained on said matrix, thereafter fusing at least the surface of said matrix and recovering said spray metal coating substantially intact.

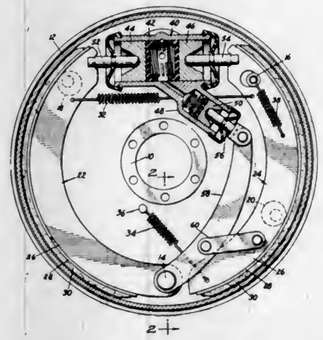
2,250,247
SPRING SUSPENSION FOR ROAD VEHICLES
Leslie Mark Ballamy, Wallington, and Richard Hasell Sheepshanks, Eyke, Woodbridge, England
Application December 26, 1940, Serial No. 371,798
In Great Britain July 26, 1939
3 Claims. (Cl. 267—45)



1. A wheel suspension system for motor vehicles including a wheel supporting axle and two transverse springs arranged in superimposed relation, the central portions of the springs being respectively above and below the bottom of the axle, and the outer ends of both springs being connected relative to each other and to the axle at points below the axle, the lower spring being centrally mounted for pivotal movement with respect to the upper spring.

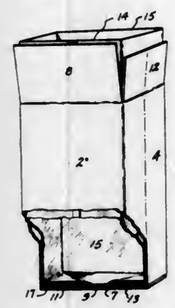
2,250,248
BRAKE
Charles V. Berglund, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 1, 1939, Serial No. 271,182
9 Claims. (Cl. 188—152)

1. A brake comprising a fixed support, a rotatable drum associated therewith, a pair of shoes mounted on the support for cooperation with the drum, high pressure actuating means for the shoes for simultaneous actuation thereof, low pressure actuating means and linkage including an anchored lever connecting the last-mentioned



means to one of the shoes for actuation thereof simultaneously with the first-mentioned actuating means.

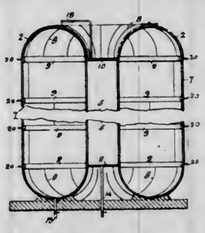
2,250,249
CONTAINER
Robert Morris Bergstein, Cincinnati, Ohio, assignor, by mesne assignments, to himself, and Frank David Bergstein, as trustees
Application February 4, 1936, Serial No. 62,324
9 Claims. (Cl. 229—14)



1. A container in flat folded form capable of being erected or squared up, comprising a carton having closing flaps at each end and collapsed on medial fold lines in two opposed walls thereof and having other opposed walls in registry, and a bag within said carton having its longitudinal edges parallel with said medial fold lines and lying between them, and its open end projecting free of the closing flaps of the carton at one end thereof, sufficiently for closure independent thereof, said bag being adhesively secured in place within the carton, to the registering walls at least.

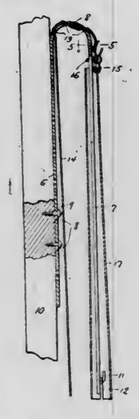
2,250,250
SYMMETRICALLY SHAPED AND EASILY DUPLICATED PRESSURE TANK
Stephen H. Brooks, New York, N. Y., assignor to New York Tank Co., New York, N. Y., a copartnership composed of Geo. T. Bloom and Stephen H. Brooks
Application September 22, 1938, Serial No. 231,111
2 Claims. (Cl. 220—1)

1. A pressure tank comprising an outer chamber of relatively large diameter, a smaller diameter inner chamber the outer chamber surrounding the inner chamber circumferentially and both chambers standing vertically, an annular cover of half-cross-sectional area for the outer chamber, a similar member closing the bottom of the outer chamber, separate closures



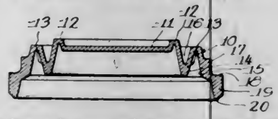
for the top and bottom of the inner chamber, a support for the bottom closure, an outlet from the bottom of the outer chamber, a separate outlet from the bottom of the inner chamber, and a passageway from the top of the outer chamber to the top of the inner chamber.

2,250,251
GARMENT BAG RACK
Otto Biersch, Richmond, Va.
Application April 9, 1940, Serial No. 328,773
1 Claim. (Cl. 226—18)



A garment bag rack comprising an inverted U-shaped member formed of flat stock and having one limb longer than the other, a hook at the lower end of the long limb for receiving a garment hanger, means for fastening the other limb to a supporting member with the entire outer face of said other limb contacting the supporting member, a clamping clip for engaging a garment bag, a loop carried by the clip and slidingly engaging the long limb only of the U-shaped member, the bight of the U-shaped member being rounded and provided with three holes, one in the top of the bight and the others in end portions of the bight and a cord having one end fastened to the clip with the cord passing up the outer face of the long limb then passing through the hole adjacent the long limb, under a portion of the bight and then outwardly through the center hole, along a part of the bight and then passing downwardly and inwardly through the third hole with the rest of the cord hanging in the space between the two limbs.

2,250,252
FLYING TARGET
Samuel H. Bingham, Jr., Chicago, Ill., and George J. Higgins, Detroit, Mich.; said Higgins assignor to said Bingham
Application August 25, 1938, Serial No. 226,806
1 Claim. (Cl. 273—105.4)



A flying target comprising a substantially flat central disc having an upwardly extending bead near its periphery, a downwardly extending rib immediately beyond said bead, integral therewith and tapering to a thin edge at the bottom to provide a portion of high frangibility adapted to be readily broken, and an outer annular wall integrally united near the top thereof to the upper part of said rib, said annular wall flaring downwardly and outwardly toward the bottom, said rib extending downwardly a substantial distance toward the plane of the bottom of said annular wall and so positioned within said annular wall as to be struck by the shot which passes through said wall, and said annular wall terminating in a plane well below the edge of said rib.

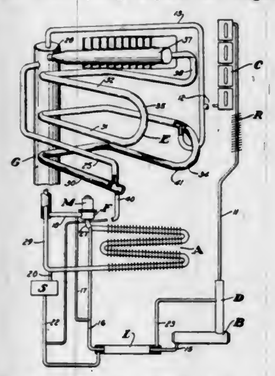
2,250,253
STRUCTURAL MEMBER
John E. Bowen, Detroit, Mich., assignor to Great Lakes Steel Corporation, Ecorse, Mich., a corporation of Delaware
Application March 30, 1939, Serial No. 264,997
4 Claims. (Cl. 189—37)



2. In a metallic structural member, adapted to receive and hold fastening elements, a metallic channel member having a web and flange portions integral with the web and extending laterally from the inner face of the web, a pair of angle members, one leg of each whereof is secured to the outer face of said web but in spaced relation thereto, so as to afford a fastening groove between each said leg and said web, each said leg and the registering portions of said web being complementarily corrugated, said corrugations extending in a direction inwardly from the inner face of said web.

2,250,254
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 10, 1938, Serial No. 234,167
17 Claims. (Cl. 62—119.5)

5. Refrigerating apparatus comprising an evaporator, means for supplying liquid refrigerant to an intermediate portion thereof, means for producing a force sufficient to propel liquid in one direction through the evaporator, and means for conveying liquid through a selected



portion of the evaporator in the opposite direction against the force of said propelling means.

2,250,255
METHOD OF PURIFYING TRIMETHYLOLNITROMETHANE
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 25, 1939, Serial No. 301,232
7 Claims. (Cl. 260—635)

1. The method of separating trimethylolnitromethane from crude mixtures of the same which comprises cooling an aqueous solution of crude trimethylolnitromethane to a temperature below about 17° C. and above about —5° C. and removing the trimethylolnitromethane hydrate which crystallizes.

6. As a product, a hydrate of trimethylolnitromethane.

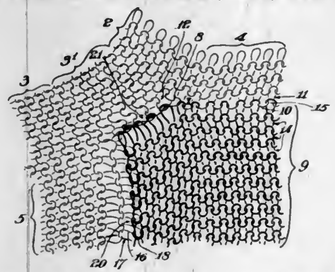
2,250,256
METHOD OF PRODUCING TRIMETHYLOLNITROMETHANE
Richard F. B. Cox, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 25, 1939, Serial No. 301,233
10 Claims. (Cl. 260—635)

1. The method of producing trimethylolnitromethane which comprises reacting nitromethane with an aqueous solution of formaldehyde containing from about 58 per cent to about 85 per cent by weight of formaldehyde and crystallizing trimethylolnitromethane directly from the reaction mixture without intermediate evaporation of the solution.

2,250,257
HOSIERY
Erich Eissner, Chemnitz, and Arnold Verbeek, Wuestenbrand, Germany, assignors to Kalio, Inc., New York, N. Y.
Original application April 7, 1938, Serial No. 200,729. Divided and this application June 21, 1939, Serial No. 280,404
1 Claim. (Cl. 66—187)

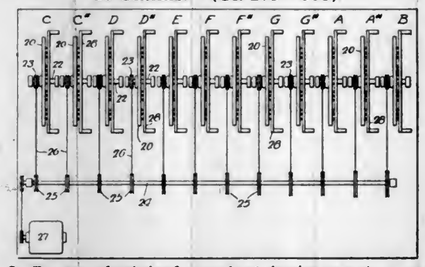
In a flat knitted stocking: an ankle fabric area consisting of a plurality of courses, the loops of said courses being non-reinforced and forming a selvedge wale of non-reinforced selvedge loops

at each of the opposite walewise edges of the ankle fabric area; a leg fabric contiguously extending walewise from one coursewise side of the ankle fabric area and consisting of a plurality of courses having their end portions projected coursewise beyond the walewise plane of said selvedge wales of the ankle fabric area, the loops of said projected course portions of the leg fabric being reinforced to form high heel sections; a foot fabric contiguously extending walewise from the other coursewise side of the ankle fabric area and consisting of a plurality of courses having their end portions projected coursewise beyond the walewise plane of said selvedge wales of the ankle fabric area, the loops of said projected course portions of the foot fabric being reinforced to form sole sections; and, heel fabrics



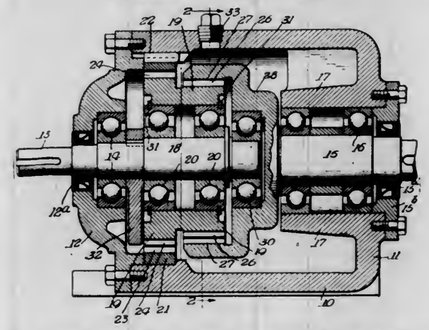
consisting of a plurality of courses, the loops of said courses being reinforced and forming selvedge wales of reinforced selvedge loops at the inner and outer walewise edges of said heel fabrics, each of said heel fabrics having the reinforced loops of a portion of a course thereof knitted onto the reinforced loops of one of the projected end portions of a course in the leg fabric, each of said heel fabrics having the reinforced loops of the remaining portion of said course thereof knitted onto the non-reinforced selvedge loops of one of the wales at the opposite walewise edges of the ankle fabric area, and each of said heel fabrics having the reinforced selvedge loops of the inner walewise edge thereof interknitted in overlapping relation with the reinforced loops of one of the projected end portions of a course in the leg fabric.

2,250,258
MUSICAL INSTRUMENT
Floyd A. Firestone, Ann Arbor, Mich., assignor, by mesne assignments, to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application September 6, 1938, Serial No. 228,477
16 Claims. (Cl. 175—363)



2. In an electrical musical instrument, a continuously varying condenser comprising respective devices including electrodes forming one device and scanning means forming another device, said devices coacting to cause simultaneous capacitance changes at the electrodes at respective rates conforming to the vibrational frequencies of different musical tones; means for moving said devices relatively to cause the aforestated capacitance changes; means for guarding each electrode from the effects of shifting flux fields generated at any other electrode; and means enabling selective conduction to a work circuit of one or more voltages produced in response to said capacitance changes.

2,250,259
SPEED REDUCING GEARING
Bradford Foote, Jr., River Forest, Ill.
Application March 11, 1940, Serial No. 323,278
3 Claims. (Cl. 74—309)

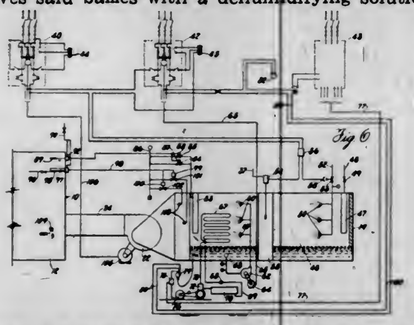


1. Speed-reducing gearing comprising a driven shaft, an eccentric on, and rotatable with, said shaft, a stationary internally toothed gear, a planetary externally toothed driving gear meshing with the stationary gear journaled on, and driven by the eccentric, the teeth of both of said gears having rounded ends, V-shaped profiles, straight side faces, and rounded apices, the throw of the eccentric and the pitch angle of the teeth being co-related so that the path of the teeth on the externally toothed gear will be substantially radially inward from full meshing position during their initial withdrawal from the teeth of the stationary gear, then in an arc of a predetermined diameter during their further withdrawal, then circumferentially on an arc of greater diameter approximating a straight path around the apices of the teeth of the stationary gear, then successively on a reverse arc of said predetermined diameter, and then substantially radially outward into engagement with the teeth of the stationary gear to bring the teeth of the gears into engagement, the contiguous straight side faces of the teeth on the gears being parallel in their fully meshing position, the radial portions of said path effecting the meshing of the teeth so substantially the entire area of the contiguous side faces will pass into substantially parallel pressure engagement.

2,250,260
AIR CONDITIONING SYSTEM
Bert F. Fowler, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application February 17, 1939, Serial No. 256,905
3 Claims. (Cl. 261—9)

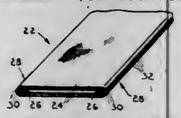
1. In an air conditioning system for supplying conditioned air under predetermined temperature and humidity conditions to a paint spray booth, the method of conditioning said air which com-

prises spraying said air with water, passing said air through baffles for eliminating any unvaporized water carried in the air, controlling the amount of water sprayed into said air in accordance with the temperature of the air passing through said baffles, spraying said air after it leaves said baffles with a dehumidifying solution



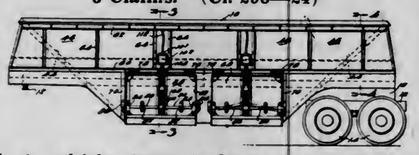
to cool the same and reduce the moisture content thereof, further cooling said air to completely dehumidify the same in accordance with the temperature of the discharged solution, reheating the air to a predetermined temperature, rehumidifying the air in accordance with the humidity existing in the spray booth, and then discharging the conditioned air into said booth.

2,250,261
NARROW TUBULAR FABRIC
Bertram J. Goldsmith, Neshanic, N. J.
Application October 21, 1939, Serial No. 300,673
3 Claims. (Cl. 139—387)



1. Ribbon or other narrow fabric comprising a flat tubular-woven fabric of indefinite length and of ribbon or similar narrow width and comprising opposed plies of woven warp and weft threads, said tubular-woven fabric having attached marginal edge portions of single-ply fabric disposed interiorly thereof, said tubular-woven fabric having groups of warp threads of coextensive length disposed externally of said tubularly woven fabric along the opposite side edges, respectively, thereof and held together by weft threads, said groups of warp threads being additional to the warp threads of said opposed plies and defining the opposite side edges of the ribbon.

2,250,262
SIDE DISCHARGE HOPPER BODY
Edward Burr Hill, Chicago, Ill., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application February 27, 1941, Serial No. 380,797
3 Claims. (Cl. 298—24)



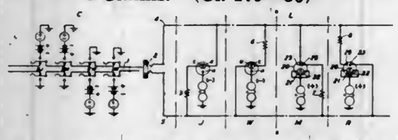
1. A vehicle dump body having ground engaging wheels mounted thereon comprising longitudinal members which extend substantially the length of the vehicle; transversely extending, rigid triangular members secured to said longitudinally extending members and supported thereon, said triangular members being disposed with one corner thereof upwardly; bottom members secured to the top sides of said triangular members so that said bottom members slope downwardly and outwardly; end members supported on said longitudinal members; side members carried by said longitudinal members; and means forming doors in said side members adjacent the juncture of the floor members with the sides.

2,250,263
EXTENSIBLE SUPPORT FOR PICTURES
Nathan George Horwitt, New York, N. Y.
Application January 20, 1938, Serial No. 185,803
12 Claims. (Cl. 40—152.1)



12. A support for pictures or the like in conjunction with a sheet of stiff material comprising an elongated strip of flexible spring material normally coiled forwardly in a scroll at at least one end, means near the other end for operatively engaging one edge of said sheet, said strip being resiliently flexible for substantially its entire length and having a coiling bias whereby when the scroll at one end is released, the strip will coil up into a scroll until the scroll meets said means, said sheet when inserted in said support requiring unwinding of the scroll, said sheet when so inserted being set in front of said strip and engaged by said means at said edge while its opposite edge comes adjacent said scroll and is subjected to pressure therefrom in a direction toward said former edge when the strip is released for coiling, whereby said sheet is subjected to endwise compression between said means and the scroll.

2,250,264
TELEPHONE RINGING SYSTEM
Sydney B. Ingram, Fairlawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 24, 1940, Serial No. 331,323
5 Claims. (Cl. 179—86)

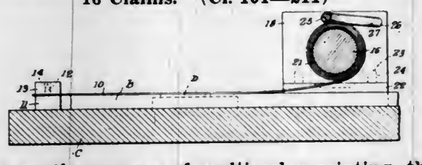


1. In a four-party selective ringing telephone system, a line, a source of pulsating ringing current, means for selectively connecting either pole of said source to either side of the line and ground and the other pole to the opposite side of the line, four telephone stations associated with said line, a telephone ringer at each station, a cold cathode gas tube and a high resistance element at each of two stations, said tubes comprising main and control anodes and a cathode so constructed and arranged that a substantially higher voltage is required, when said tube is deionized, to cause a discharge between said main anode and cathode than between said control anode and cathode, a connection between the main anode and ground at each of said two stations, serially including the respective ringer, a connection at one of said two stations extending from one side of the line to the cathode of the respective tubes and from the other side of the line through the respective high resistance to the control anode, a similar connection at the other of said two stations from the one side of the line through the respective resistance to the control anode and from the opposite side of the line to the cathode, a cold cathode gas tube and a resistance element at each of the other two stations, said tube comprising a main cathode, a control cathode and an anode so constructed and arranged that a substantially lower voltage is required to cause a discharge between said anode and control cathode than between said anode and main cathode, or control cathode and main cathode, when said tube is deionized, a connection between the main cathode and ground at each of said other two stations serially including the respective ringers, connections at one station between one side of the line and the anode, and between the opposite side of the line and the control cathode including the respective resistance, and similar connections at the other station between the one side of the line and the control cathode, including the respective resistance, and between the other side of the line and the anode.

2,250,265
LUBRICANT
Roland Kapp, Newark, and Karl T. Steik, Upper Montclair, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 27, 1938, Serial No. 221,566
10 Claims. (Cl. 252—11)

1. A lubricant for fine and delicate mechanisms comprising essentially an ester of naphthenic acids.

2,250,266
METHOD AND DEVICE FOR REGISTERING FORMS FOR MULTICOLORED PRINTING
Benjamin I. Kaye, New York, N. Y.
Application December 13, 1939, Serial No. 309,050
16 Claims. (Cl. 101—211)



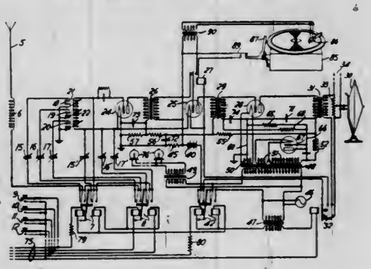
1. In the process of multi-color printing, the steps of printing the image of the printing elements for the printing of one color upon a transparent sheet, arranging the sheet in a roll, arranging the said rolled up sheet over a working surface, anchoring the free end of the sheet on the working surface and arranging printing elements for succeeding colors under the said transparent sheet by guiding on the said image as the said sheet is gradually unrolled.

2,250,267
BACK SUPPORTER
Carl G. Lins, Tuckahoe, N. Y.
Application April 2, 1940, Serial No. 327,377
2 Claims. (Cl. 128—132)



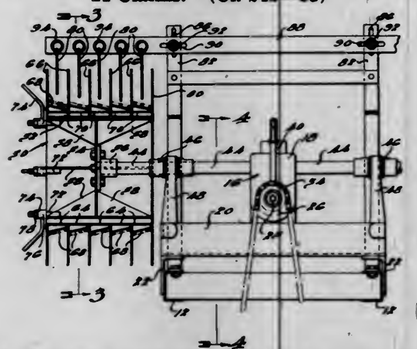
1. A back supporter comprising a pocket made of inelastic, flexible, textile material and having an opening therein, a circular cushion of sufficient diameter to extend substantially across the back of the wearer but smaller in diameter than the length of the back of the wearer so that it may be adjusted longitudinally of the back disposed in the pocket and adapted to be inserted and removed through the opening, the cushion having a central portion of greater thickness than the edge portions and a belt made of a relatively wide web of flexible, elastic material secured to opposite sides of the pocket slightly below the center thereof and adapted to encircle the trunk of the wearer to support the pocket and cushion over the central portion of the back of the wearer.

2,250,268
RADIO RECEIVER
Maurice B. Long, Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application October 1, 1926, Serial No. 138,854, now Patent No. 1,945,557, dated February 6, 1934. Divided and this application March 11, 1930, Serial No. 434,985. In Canada September 20, 1927
10 Claims. (Cl. 250—40)



1. In combination, signal indicating means, a tunable signal receiver for supplying any of a plurality of signals thereto, selectively operable electric means for controlling the tuning of said receiver to render it selectively responsive to any of said plurality of signals, relay means for rendering said indicating means inoperative, and a common control circuit for said electric means and said relay means.

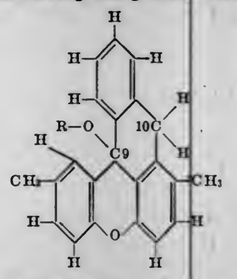
2,250,269
REEL MECHANISM
Benjamin P. Lockwood, Tampa, Fla.
Application August 1, 1940, Serial No. 349,096
11 Claims. (Cl. 242—85)



1. A reeling mechanism comprising, a central, cylindrical drive member, a plurality of separable reel members slidably disposed on said drive member in driven engagement therewith, each of said reel members including a radially extending plate member on one edge thereof and an annular base member tapered inwardly and away from said plate member to the other edge thereof, said other edge of said reel members abutting against the adjacent plate member of the adjacent reel member.

2,250,270
COEROXANE COMPOUNDS
Eugene A. Markush, Jersey City, N. J., John J. Malawista, Brooklyn, N. Y., and Julius Miller, Newark, N. J., assignors to Pharma Chemical Corporation, New York, N. Y., a corporation of New York
No Drawing Application March 31, 1938, Serial No. 199,183
1 Claim. (Cl. 260—335)

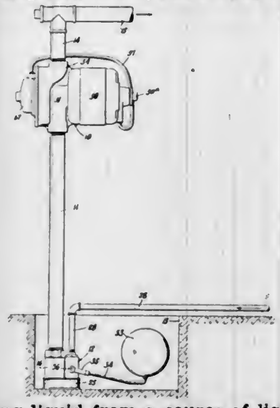
Compounds having the general formula



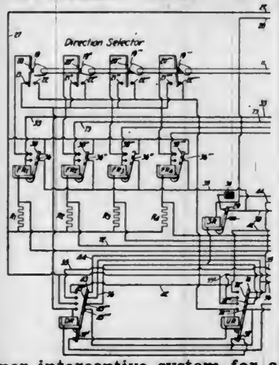
in which R is the radical of a member of the group consisting of aliphatic hydrocarbon, aralkyl hydrocarbon and heterocyclic compounds.

2,250,271
SUMP PUMP PRIMING DEVICE
Porter S. Morgan, Weston, Conn., assignor to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application November 18, 1940, Serial No. 366,084
18 Claims. (Cl. 103—26)

1. Pump priming and controlling apparatus comprising a motor-driven pump, a conduit extending to a point below said pump and connected to the inlet side thereof, switch means connected to and forming an integral unit with said pump for operating said motor, and means for supplying priming liquid from a source of liquid under pressure to said pump through said conduit to prime the pump and actuate said switch means simultaneously.

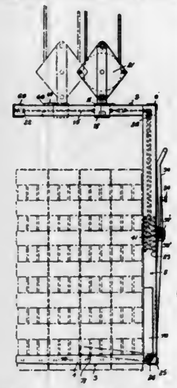


2,250,272
ELEVATOR CONTROL SYSTEM
Mortimer A. Myers, Bellaire, N. Y., assignor to The Maintenance Company, Inc., New York, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 304,572
10 Claims. (Cl. 187—29)



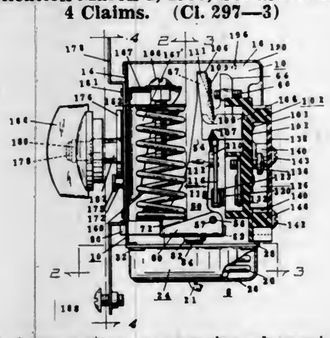
1. A super interceptive system for controlling an elevator car comprising, in combination, a plurality of floor relays, one for each of a plurality of floors, means including a switch at each floor for operating said relays, means controlled by said relays for operating the car in an established direction, stopping and automatically starting the car at the floors at which switches are operated, in the natural order of floors, regardless of the order in which said switches are operated, said controlled means being arranged to prevent the starting of the car in a direction opposite to the established direction in response to the operation of a floor switch after the starting of the car, and comprising a stopping relay and a circuit for supplying energizing currents to the coils of the floor relays of sufficient strength as to cause the operation of a plurality of said relays in response to the operation of a plurality of said floor switches, said circuit including a switch operated by the stopping relay.

2,250,273
BRICK UNIT HANDLING FORK
Henry Priester, Middletown, N. Y.
Application September 14, 1940, Serial No. 356,801
8 Claims. (Cl. 294—63)



5. A brick handling fork including a lifting frame, brick supporting, gripping and releasing means carried by said frame, suspension lifting means connected with the frame for lifting the same and shiftable according to the center of gravity of the frame and load carried thereby, and means on the frame for positioning the fork with respect to a load of bricks so as to handle less than a full load.

2,250,274
CONTROL APPARATUS
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application March 1, 1938, Serial No. 193,324
4 Claims. (Cl. 297—3)



1. A temperature responsive element including, a fluid containing tube, a section of said tube being reversed upon itself and said reversed section and adjacent tube section being formed in a helix, the convolutions of the helix substantially touching one another.

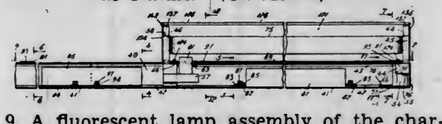
2,250,275
PROTECTIVE SHIELD SUPPORT
John T. Riddell, Chicago, Ill.
Application August 12, 1940, Serial No. 352,215
7 Claims. (Cl. 2—2)

1. A shield for personal wear, comprising a stiff shell having a generally concavely curved cross section for overlying a convex portion of the wearer's body, flexible primary chordal straps stretched across successive arcuate regions of the shield and anchored thereto and arranged in angular relation to each other in substantially the same plane, and a secondary strap bridging the angle between the primary straps and



anchored to the primary straps between their anchorages, whereby all of said straps will cooperate under tension to space the shield from the wearer's body for resisting shocks on said shield.

2,250,276
WIRING DEVICE
Charles E. Rutherford, Arthur O. La Ducer, and Robert H. Murphy, West Hartford, Conn., assignors to The Wiremold Company, a corporation of Connecticut
Application March 23, 1940, Serial No. 325,614
15 Claims. (Cl. 240—1)

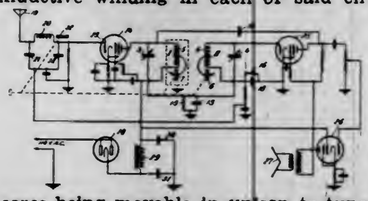


9. A fluorescent lamp assembly of the character described comprising a channel-shaped conduit of generally rectangular cross-section having side walls and a bottom wall, each of the side walls being provided with a relatively narrow internal groove running longitudinally of the conduit adjacent the bottom wall thereof, a pair of lamp receptacles positioned in said conduit, clamp means securing each lamp receptacle in the conduit, a fluorescent lamp mounted in said lamp receptacles, a fluorescent lamp auxiliary unit comprising a body portion provided with a lip mounted in the conduit with said lip adjacent the bottom wall of the conduit, locking means for securing said auxiliary unit in the conduit comprising a strap of a length approximately equal to the width of the conduit across the grooves in the side walls thereof, said strap having rounded ends permitting it to be turned transversely of the conduit and into the grooves after insertion over the lip of the auxiliary unit, and means connected to said strap for engaging the lip of the auxiliary unit and holding the auxiliary unit in position in the conduit, and wires positioned in the channel and operatively connecting the fluorescent lamp through the lamp receptacles and the auxiliary unit with a source of electric current.

2,250,277
COUPLED CIRCUIT REGENERATIVE RECEIVING SYSTEM
William A. Schaper, Cicero, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application August 2, 1940, Serial No. 350,052
9 Claims. (Cl. 179—171)

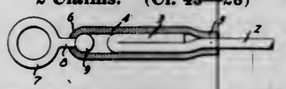
7. A tunable signal-frequency selective amplifier for use in radio receivers and the like including first and second resonant circuits each

having an inductive winding, a non-inductive coupling impedance common to said circuits, a vacuum tube having its input terminals connected across said second circuit and having an output electrode connected through a capacitance to the high-potential side of said first circuit, and a ferromagnetic core movable relatively to the inductive winding in each of said circuits,



said cores being movable in unison to tune said amplifier over a range of frequencies, said cores being free from common electrical connections and producing independent effects upon said circuits and having characteristics coacting with said coupling impedance and with said output electrode connection to establish a substantially constant selectivity for said amplifier throughout the tuning range.

2,250,278
SWIVEL FOR FISHING TACKLE
John R. Skoverski, San Francisco, Calif., assignor to Joseph Schor, San Francisco, Calif.
Original application May 12, 1937, Serial No. 142,153. Divided and this application February 9, 1940, Serial No. 318,066
2 Claims. (Cl. 43—28)



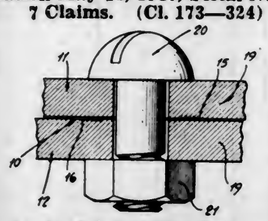
1. Fishing tackle comprising a leader having an end folded back to lap the main strand thereof, and a sleeve of metallic tubing having a body of substantially uniform diameter snugly embracing the lapping portions of the leader, the inner end of the sleeve extending along the main strand beyond said lapping portions and being compressed inwardly to provide a reduced neck about the main strand to lock the lapping portions within the body of the sleeve.

2,250,279
SUCTION CLEANER
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, Chicago, Ill., a corporation of Illinois
Application May 22, 1939, Serial No. 275,091
3 Claims. (Cl. 15—8)



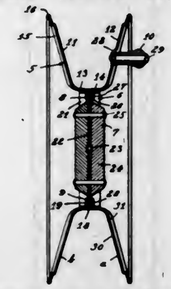
1. A suction cleaner, including: a nozzle; a brush associated with the nozzle and downwardly movable only with respect to the same; and means actuated by reciprocations of the cleaner in use for cleaning, for progressively and positively feeding said brush downwardly with respect to said nozzle a predetermined increment for each reciprocation.

2,250,280
ELECTRICAL BOND
Maurice M. Starbird, Burbank, Calif.
Application May 14, 1940, Serial No. 335,080
7 Claims. (Cl. 173—324)



1. A device for interposition between two pieces of metal at a joint thereof for electrically bonding said metals which comprises a very thin flat member that will permit a close tight joint between said metals, said member having shallow ridged protrusions extending therefrom, said protrusions being adapted to penetrate said joined pieces, each of said protrusions being in the form of a ridge which is continuous upon itself, and encloses an area of the metal of one of said pieces, the perimeter of the ridge of each protrusion being of substantially even and predetermined height.

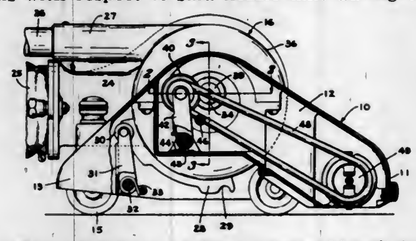
2,250,281
CLOTHESLINE REEL
Carl A. Sundstrand, Rockford, Ill.
Application March 22, 1939, Serial No. 263,337
7 Claims. (Cl. 242—96)



5. A reel comprising a pair of sheet metal centrally dished sections having their central portions open and in juxtaposition and secured together, the outer annular portions of said sections together providing an annular winding recess therebetween, at least one of said sections having a radially inwardly projecting annular flange defining the open central portion thereof and the other section having a similar flange thereon, the inner edge portion of which projects radially inwardly beyond the edge of the first flange and is folded laterally and outwardly over the edge thereof to secure the sections together and also provide a runner to operate in a circular bearing, a bearing ring providing an annular recess in which said runner is rotatably engaged, and a supporting handle rigid with said ring.

2,250,282
SUCTION CLEANER
Edward R. Swann, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 17, 1938, Serial No. 240,923
6 Claims. (Cl. 15—9)

1. In a suction cleaner, a nozzle unit, a motor-fan unit rotatably mounted on said nozzle unit, a motor carried by said motor-fan unit and eccentrically mounted with respect to the axis of rotation of said motor-fan unit, a drive pulley carried by the motor shaft, driven pulley means pivotally carried by said nozzle unit, means for urging said driven pulley means into engagement with said drive pulley, surface agitating means, a belt connecting said driven pulley means and surface agitating means, a handle on said motor-fan unit for moving the latter about its axis with respect to said nozzle unit during on-



the-floor cleaning and for moving said unit to a position for off-the-floor cleaning, said eccentric arrangement of said drive pulley being so arranged with respect to said driven pulley means as to tend to move out of engagement from the latter upon movement of the motor-fan unit to off-the-floor cleaning position, and means to limit movement of said driven means to disengage the latter from said drive pulley upon movement of said motor-fan unit to said off-the-floor cleaning position to thereby render said surface agitating means inoperative.

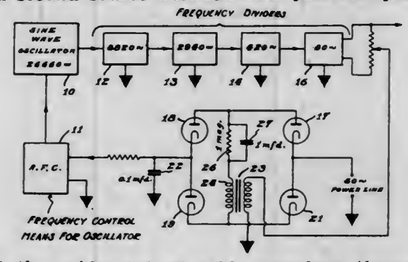
2,250,283
ELECTRON DISCHARGE DEVICE
Gordon K. Teal, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1939, Serial No. 257,634
7 Claims. (Cl. 250—150)



1. In combination, a supporting plate having a multiplicity of apertures therethrough and a photosensitive surface thereon, a semitransparent metallic secondary emitting member closely adjacent the photosensitive surface of said supporting means, means for impressing radiations from an object or field of view upon said photosensitive surface, means for scanning said semitransparent member through the apertures in said supporting member, said supporting plate and said metallic secondary emitting member being spaced by a distance of two one-thousandths of an inch or less.

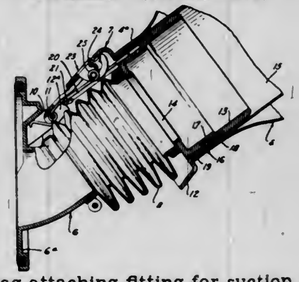
2,250,284
FREQUENCY CONTROL CIRCUITS
Karl R. Wendt, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 26, 1938, Serial No. 237,051
9 Claims. (Cl. 250—36)

6. A circuit for producing a voltage representative of the phase relation between a first signal source and a second signal source, said circuit comprising a pair of rectifiers each having a cathode and an anode, the cathode of one rectifier being connected to the anode of the other rectifier whereby there is a junction point of said cathode and said anode, a transformer having a primary and a secondary, the remaining cathode and anode of said rectifiers being connected to each other through said secondary, a condenser across which said representative voltage is to appear, means for impressing the signal from said second source between said junction point



and the mid-point of said secondary through said condenser, means for impressing the signal from said first source across said primary to produce sharp voltage pulses across the secondary, and means connected in series with said secondary and said rectifiers for preventing discharge of said condenser between successive impulses appearing across said secondary, said last means comprising a resistor shunted by a condenser.

2,250,285
BAG ATTACHING FIXTURE FOR SUCTION CLEANERS
Harry B. White, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 8, 1939, Serial No. 283,326
4 Claims. (Cl. 285—171)

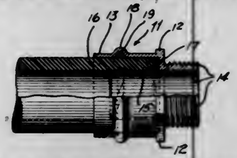


1. A bag attaching fitting for suction cleaners, comprising a tubular portion communicating with the exhaust outlet of the cleaner and adapted to have the restricted inlet end of a dirt bag fitted snugly onto the end thereof, an annularly expansible ring mounted within an annular groove in the outer surface of said tubular portion of the fitting, a relatively thin wide band of resilient material applied over said ring and normally flush with the surface of said tubular end portion, and lever-actuated cam mechanism operatively connected with said ring for effecting the expansion and contraction thereof for the attachment and removal of said bag.

2,250,286
HOSE COUPLING
Jonathan N. White, Larchmont, N. Y., assignor to United Metal Hose Company, Inc., Long Island City, N. Y., a corporation of New York
Application September 27, 1937, Serial No. 165,818
2 Claims. (Cl. 285—84)

1. A coupling member for attachment to a hose, including a first sleeve adapted to be in-

serted in the hose and a second sleeve adapted to encircle the end of a hose, said second sleeve having a rounded annular protuberant portion extending around the sleeve between the ends thereof and projecting radially outward beyond the adjoining portions of the sleeve at each side

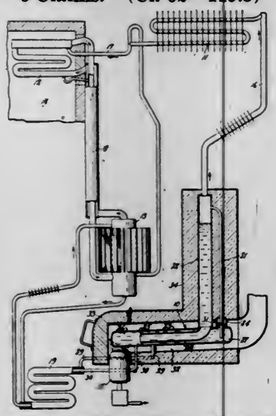


thereof, said protuberant portion having an internal annular recess therein and a split ring of rounded cross section in said recess, the inner diameter of said split ring lying substantially in alignment with the inner surfaces of the second sleeve at each side of said recess.

2,250,287
TREATMENT OF SOLID FUEL TO REDUCE DUSTINESS
Lincoln T. Work, Yonkers, and Rudolph E. Zetterstrand, New York, N. Y., assignors to Carter Coal Company, a corporation of Delaware
No Drawing. Application July 30, 1940, Serial No. 348,432
20 Claims. (Cl. 44—6)

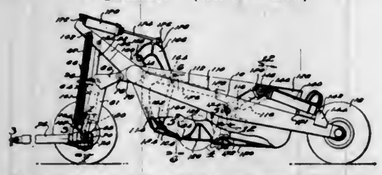
1. The process of treating free-flowing, solid carbonaceous fuel for preventing or reducing its dustiness, which consists in applying to the pieces of fuel, while maintaining their free-flowing character, a dust preventive film coating comprising an aqueous dispersion of bentonite in gel form.

2,250,288
REFRIGERATION
Carl T. Ashby, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 3, 1936, Serial No. 113,979
6 Claims. (Cl. 62—119.5)



1. Absorption refrigeration apparatus including a generator having a horizontally elongated portion, a partition forming a weak solution chamber in one end of said portion, a casing forming a flue around said horizontal portion, a burner arranged so that the flame is projected upwardly into one end of said flue, and said weak solution chamber being located directly above said burner.

2,250,289
MATERIAL EXCAVATING, LOADING, TRANSPORTING, AND PLACING MACHINE
Edward R. Barrett, Detroit, Mich., assignor to Gar Wood Industries, Inc., Detroit, Mich., a corporation of Michigan
Application October 1, 1938, Serial No. 232,702
3 Claims. (Cl. 37—126)



1. A scraper structure comprising a rigid frame, means forming a transporting receptacle fixed to said frame, said means including a main body portion fixed with respect to said frame, a scoop pivotally mounted relative to the body portion at the rear thereof, and a swinging gate pivotally mounted relative to the body portion adjacent the front thereof, a transversely extending scraper element fixed to said scoop along the leading lower edge thereof, another transversely extending scraper element fixed to the main body portion adjacent the lower edge of said gate, and an upwardly and rearwardly inclined baffle member within the main body portion adjacent the bottom thereof extending transversely of said body portion immediately to the rear of said last named scraper element.

2,250,290
POCKET TOOL
Martin Berg, New York, N. Y.
Application March 31, 1939, Serial No. 265,171
8 Claims. (Cl. 30—158)

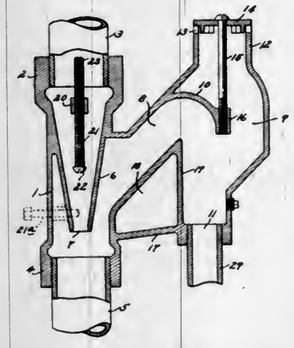


1. In a pocket tool, a one-piece handle having two side portions connected by a back portion to form a trough-like structure open at its front and at least one of its ends, pins connecting said side portions near the two ends of the handle, a tool member pivoted on one of said pins and having projections, and a rack member having projections engageable with the tool projections for turning the tool on its pivot, said rack member being longitudinally slidable along the inside of said back portion and in slidable contact with the second one of said pins for keeping the tool member in stable position, said rack member having longitudinally spaced notches arranged to be snapped about said second pin when moved to operate said tool in open and closed positions.

2,250,291
VACUUM BREAKER FOR WATER SYSTEMS
Edward W. N. Boosey, Detroit, Mich.
Application July 22, 1939, Serial No. 286,025
3 Claims. (Cl. 137—111)

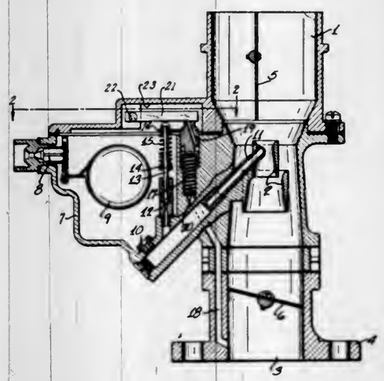
1. A vacuum breaker for connection in the conduit of a water system discharging to a liquid container, comprising a chambered body having vertically aligned openings for connection in the conduit, and a hollow coned element therein tapering in the direction of the discharge through the conduit and having an open smaller end, the body having a chambered portion including a

passageway of inverted U form open at one end adjacent the small end of the cone and at its opposite end to the chambered element and the



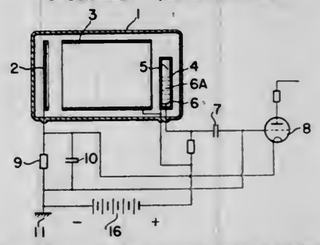
chambered element having an opening to atmosphere above said U shaped passageway and an opening therebelow for discharge of liquid from the chambered portion.

2,250,292
CARBURETOR STEP-UP
Leonard D. Boyce, Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application April 1, 1939, Serial No. 265,462
2 Claims. (Cl. 261—39)



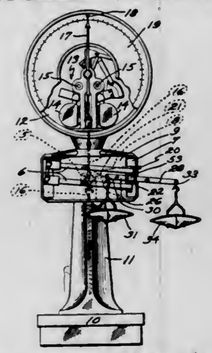
2. In a carburetor, a mixture conduit having a Venturi tube and a throttle valve, a constant level chamber, a main fuel passage providing constant communication between said chamber and said Venturi tube, a second passage for supplying auxiliary fuel to said Venturi tube, an auxiliary valve controlling said second passage, a spring tending to open said auxiliary valve, a device including a piston actuated by predetermined suction posterior to said throttle to close said auxiliary valve against said spring, and a thermostat mounted adjacent said device and adapted to move transversely thereof when the temperature is high and said auxiliary valve is in its most restricting position to a position in the path of said device so as to constitute a positive abutment to prevent opening of said auxiliary valve by said spring.

2,250,293
CONTRAST CONTROL FOR TELEVISION SYSTEMS
Walter Bünger, Berlin-Zehlendorf, Germany, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application July 23, 1938, Serial No. 220,855
In Germany July 23, 1937
3 Claims. (Cl. 178—7.2)



1. A television system comprising an image dissector tube possessing a photocathode of picture area adapted to be illuminated by an optical image, an anode adapted to receive electrons from substantially the entire illuminated area of said photocathode, a picture-signal collector adapted to receive electrons from successive elemental areas of said photocathode only, and electron-controlling means; a resistor shunted by a capacitor connected in series with a source of high voltage between said photocathode and said anode; a picture-signal amplifying tube possessing exponential characteristics and having a grid and a cathode; means for applying the direct-current voltage developed across said resistor between said cathode and said grid; means for utilizing the electrons received by said picture-signal collector to develop a picture signal, and means for applying said picture signal to said grid.

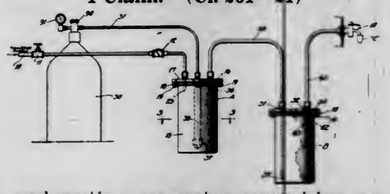
2,250,294
WEIGHING AND COUNTING SCALE
Oswald S. Carliss, Fairfield, Conn., assignor to The Kron Company, Bridgeport, Conn., a corporation of Connecticut
Application September 3, 1938, Serial No. 228,344
14 Claims. (Cl. 265—62)



4. In a scale, an assemblage of parts for holding an article container upon a tilting beam structure at variable distances from the fulcrum thereof, including in combination with said beam structure, a bar slidably mounted on said beam structure and projecting lengthwise therebeyond in a manner to support the article container at a point substantially farther from the fulcrum of the beam structure than said beam structure

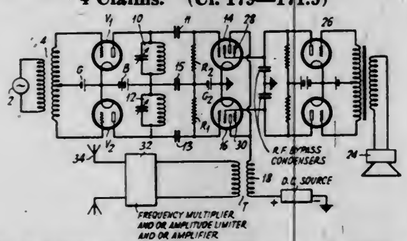
extends, and a turnable adjustor element constructed and arranged to cooperate with said structure and bar in a manner to effect small increments of lengthwise movement of said bar relative to said beam structure when said element is adjustively turned.

2,250,295
WATER CARBONATING APPARATUS
Louis Coleman, Park Ridge, N. J.
Application June 30, 1939, Serial No. 282,179
1 Claim. (Cl. 261—21)



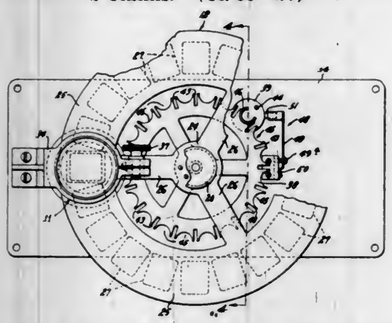
A carbonating apparatus comprising an upright oblong carbonating tank, water supplying means connected with and emptying into the tank for filling said tank with water to be carbonated, said water supply means being in constant communication with said tank in one direction and under regulation city service pressure in said direction, a porous diffusing element carried by the tank and providing a carbonating gas chamber within the tank, said gas chamber being coextensive with the major portion of the length of the tank for introducing carbonating gas continuously into the water throughout the length of the chamber, means connected with the tank and communicating with the chamber for supplying the carbonating gas to said chamber, a second upright oblong carbonating tank, means for conveying carbonated water and accumulated gas from a point near the top of the first tank and delivering said water and gas to an inlet point near the bottom of the second tank, and outlet means for discharging the carbonated water from a point near the top of the second tank whereby a second carbonating action occurs while the carbonated water and gas traverse the second tank between the inlet and outlet points and the outlet means also serving to relieve excessive gas accumulation near the top of the second tank.

2,250,296
PHASE MODULATION
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application September 21, 1933, Serial No. 690,330, now Patent No. 2,165,229, dated July 11, 1939. Divided and this application October 6, 1938, Serial No. 233,589
4 Claims. (Cl. 179—171.5)



1. A signalling system comprising, a source of carrier frequency oscillations, a source of modulating potentials, a pair of thermionic tubes, each having an anode, a cathode, and a control grid, an input circuit connected between the control grid and cathode of each of said tubes, said input circuits being coupled to said source of carrier frequency oscillations, physically and electrically independent phase shifting means in each of said input circuits, means for applying modulating potentials from said source to the screen grid electrodes in said tubes in phase opposition, and a load circuit coupled to the output electrodes of said tubes.

2,250,297
PICTURE PROJECTOR APPARATUS
Allan V. Ditty, Detroit, and Arthur J. Bradford, Grosse Pointe Park, Mich., assignors to Motion Picture Engineering Co., Detroit, Mich., a corporation of Michigan
Application September 22, 1938, Serial No. 231,178
2 Claims. (Cl. 88—27)

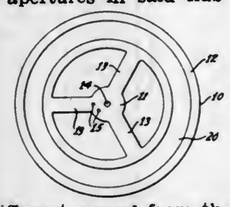


1. In an apparatus of the character described, a mounting plate, a photographic projector plate rotatably mounted on said mounting plate in spaced relation to one side thereof, said projector plate having a plurality of circumferentially spaced transparent photographs for successive projection, a light source enclosed in a housing mounted on said mounting plate on the other side thereof from said projector plate, said housing having an opening for light rays aligning with an opening in said mounting plate, a lens mounted on said mounting plate on said one side thereof and in advance of said projector plate, said lens being arranged to align with the photographs as they are successively presented thereto, a Geneva motion mechanism mounted on said mounting plate, said mechanism including a driven wheel positioned between said projector plate and said mounting plate and operatively connected to said projector plate, and means including a solenoid actuator mounted on said mounting plate on said one side thereof and operable for intermittently actuating said Geneva motion mechanism.

2,250,298
PHOTOGRAPH PROJECTOR PLATE
Allan V. Ditty, Detroit, and Arthur J. Bradford, Grosse Pointe Park, Mich., assignors to Motion Picture Engineering Co., Detroit, Mich., a corporation of Michigan
Application September 22, 1938, Serial No. 231,177
1 Claim. (Cl. 88—27)

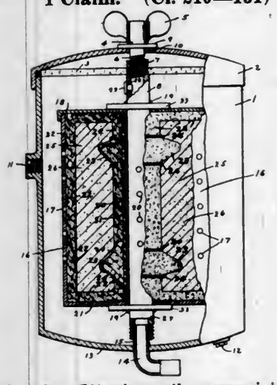
An article of manufacture comprising, a hub portion having an axis of rotation, an outer flat rim portion, said rim portion having a continuous recess portion in one side thereof concentric with the hub axis of rotation, said recessed portion being formed of a plastic light transmitting material, photographs secured to said rim portion in said recess for projection onto a screen,

circumferentially spaced spokes joining said hub portion and said rim portion together, and a pair of locating apertures in said hub portion and



relatively different spaced from the axis of said hub to receive a pair of locating pins from one side only of said hub portion.

2,250,299
OIL FILTER
Herman W. Downing, Baltimore, Md., assignor to The Oil Clarifier Corporation, a corporation of Maryland
Application January 18, 1937, Serial No. 121,195
1 Claim. (Cl. 210—131)

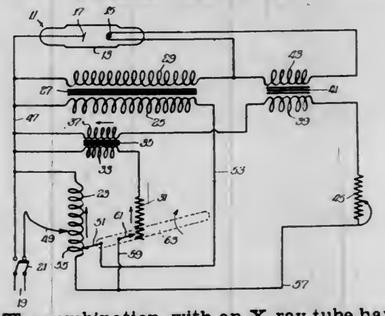


A device for filtering oil, comprising a casing, means for conveying oil to be filtered to said casing, a filter bed within said casing and comprising a uniform mixture of loose granular particulate fuller's earth and chaff, means to direct said oil to be filtered substantially horizontally through said loose bed of granular material comprising a generally upstanding wall adjacent said filter bed, said wall having inlet means therein, a well within said filter bed for collecting the oil filtered therethrough, an outlet tube for the filtered oil communicating with said well, and a wall of cotton waste enclosing said filter bed on the inlet portions thereof and interposed between said filter bed and the well.

2,250,300
ART OF FLUFFING CREAM AND LIKE MATERIALS, AND PRODUCTS PRODUCED THEREBY
Justus C. Goosmann, deceased, late of Chicago, Ill., by Ida Goosmann, administratrix, Chicago, Ill., assignor to The S. S. White Dental Manufacturing Company, Philadelphia, Pa.
No Drawing. Original application September 24, 1937, Serial No. 165,459, now Patent No. 2,217,678, dated October 15, 1940. Divided and this application March 25, 1940, Serial No. 325,910
4 Claims. (Cl. 99—60)

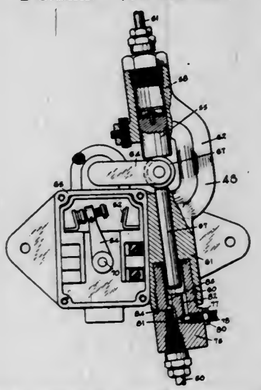
1. A cream whipping gas consisting essentially of nitrous oxide and carbon dioxide, between 7 and 50 percent being carbon dioxide.

2,250,301
SPACE CHARGE COMPENSATION
Walter F. Fathauer, Highland Park, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application June 6, 1940, Serial No. 339,109
2 Claims. (Cl. 250—93)



1. The combination, with an X-ray tube having an anode and an excitable cathode, of a transformer having a secondary winding connected between said anode and cathode and a primary winding connectible with a power source through adjustable power supply means for varying the voltage applied through said transformer between the anode and cathode, a current transformer having a secondary winding connected with said cathode and a primary winding connectible in circuit with said power source, said circuit including the secondary winding of a control transformer, the primary winding of which is connectible, in association with an adjustable current flow control device, with said power source, and means drivingly interconnecting the adjustable portions of said current flow control device and said power supply means.

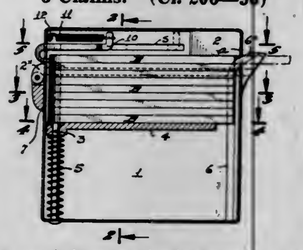
2,250,302
WELDER CURRENT-CONTROL SWITCH
Frederick H. Johnson, Ferndale, Mich.
Application July 20, 1939, Serial No. 285,543
1 Claim. (Cl. 200—82)



In a fluid-pressure, current-control means; a source of supply of fluid under pressure, a converter connected to the source for producing a unit of area pressure higher than that produced by the said source; a pair of cylinders, one connected to the said source and the other connected to the converter to receive the fluid pressure produced by the converter; a pair of pistons located

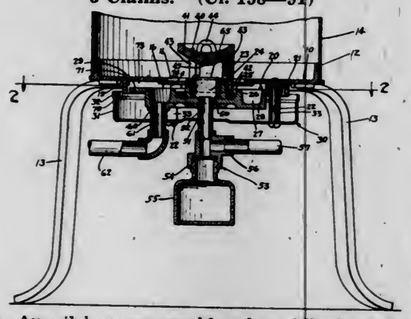
in the said cylinders and movable in response to the pressure of the said cylinders; a switch; means for connecting the switch to the pistons to actuate the switch according to the difference of pressures produced by the pistons in response to the pressures existing in their associated cylinders; restricted passageway for delaying the transmission of pressure to the said other cylinder from the converter; means for releasing the pressure in the said other cylinder upon release of pressure produced by the converter; and means for returning the pistons and opening the switch upon release of the pressure produced by the converter.

2,250,303
BOBBY PIN EJECTOR
Sam Katz, Brooklyn, N. Y.
Application February 21, 1940, Serial No. 320,019
5 Claims. (Cl. 206—56)



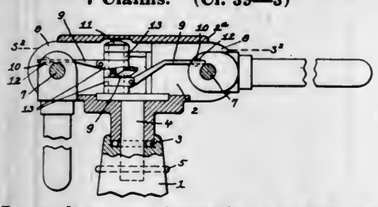
1. In a container and ejector for bobby pins, a casing adapted to hold a stack of pins, the casing having an ejection opening, spring means for moving the stack in such manner that an uppermost pin of the stack is moved in register with the ejection opening after each ejection operation, pin ejecting means, and a wedge carried by the casing and extending adjacent said ejection opening, said wedge having its front edge opposite said opening for spreading the shanks of each pin during its ejection.

2,250,304
BURNER
Maurice H. Keating and Albert T. Larson, Minneapolis, Minn., assignors to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota
Original application October 8, 1934, Serial No. 747,392. Divided and this application May 19, 1938, Serial No. 208,842
5 Claims. (Cl. 158—91)



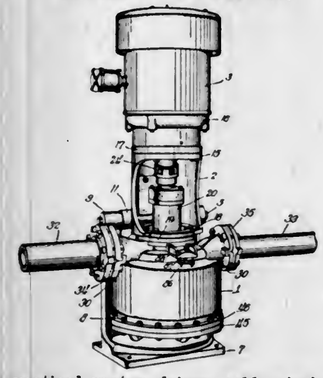
1. An oil burner capable of rapidly increasing its combustion rate comprising a primary oil basin in an elevated position, a secondary oil basin for receiving oil overflowing from the primary basin, air duct means for conveying air across the basins for combustion, and a heat transfer unit having a heat absorber supported above the primary basin in a position to be impinged by flames originating in the primary basin during low rates of combustion, and heat transfer means connected to the heat absorber and extending directly into the secondary basin and terminating in a heat liberating surface therein which surface is maintained hot during normal low rates of combustion by heat conducted from the heat absorber through the connected heat transfer means whereby oil overflowing from the primary basin into the secondary basin is instantly vaporized by the heat liberating surface thereby affording a rapid increase in combustion.

2,250,305
TURNSTILE
William J. Kennedy, Hollis, N. Y.
Application October 11, 1939, Serial No. 299,019
7 Claims. (Cl. 39—3)



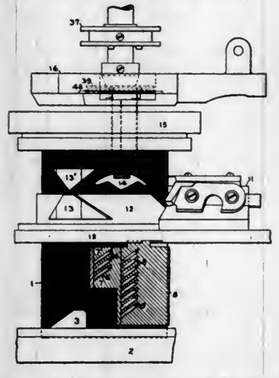
1. In a drop-arm turnstile provided with a head casing to which the arms are pivoted to have independent up and down movement, an actuating assembly for the barrier arms mounted within and rotated by the head casing, the said assembly turning about an axis eccentrically disposed to the turning axis of the head casing and having a separate connection with each of the barrier arms through which motion is imparted when the turnstile is operated to successively move the arms into and out of barrier position.

2,250,306
VERTICAL PUMP AND MOUNTING
Harry E. La Bour, Elkhart, Ind.
Application May 15, 1939, Serial No. 273,718
22 Claims. (Cl. 103—87)



1. A vertical motor driven self-priming pump unit adapted to be disposed wholly above the level of the liquid to be pumped comprising the combination of a relatively short bracket the length of which bracket is independent of the relative level of the source of liquid to be pumped, a vertical driving motor rigidly mounted on one end of the bracket, a pump rigidly mounted on the other end of the bracket, said motor and pump having independently journaled axially aligned and coupled shafts, flanged releasable inlet and discharge connections for the pump independent of the bracket, said pump having a casing including a releasably mounted closure plate on the lower end of the casing, removal of said plate exposing the impeller, and supporting means to which said bracket is hinged, said hinge being out of line with the inlet and discharge connections and permitting the unit to be swung from vertical operating position into substantially a horizontal position clear of said inlet and discharge connections when the latter are released.

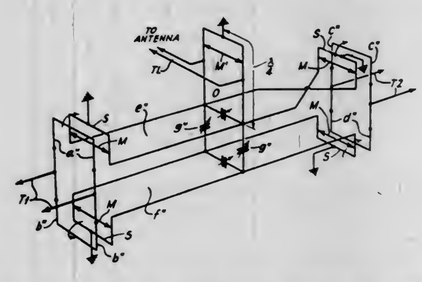
2,250,307
WRAP STRIPE KNITTING MACHINE
Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, Mass., a corporation of Massachusetts
Continuation of application Serial No. 552,954, July 24, 1931. This application July 12, 1934, Serial No. 734,847
6 Claims. (Cl. 66—135)



1. A circular knitting machine having a rotary needle cylinder in which needles are independently mounted, means for feeding at least one yarn to all of the needles, means for wrapping at least two differently colored threads around selected needles, said wrapping means being mounted to rotate in time with the needle cylinder but in eccentric relation therewith, and means for selecting needles to be wrapped with each of the threads, the needle wrapping being selectively controlled variably to wrap one or more needles with one thread only and to wrap, during the same course of knitting, needles immediately adjacent to the variably wrapped needles with another thread only, whereby a color within color effect is produced in a given course.

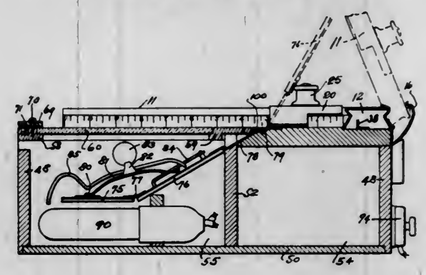
2,250,308
SYSTEM FOR FEEDING A SINGLE UTILIZATION CIRCUIT WITH ENERGY AT TWO FREQUENCIES
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 12, 1939, Serial No. 289,780
16 Claims. (Cl. 178—44)

1. In combination, a high frequency load adapted for operation on two different frequencies, a first source of oscillations of one frequency, a second source of oscillations of another frequency, a pair of substantially similar tuned circuits mutually coupled together by a reactance, said first and second sources being coupled to both of said tuned circuits such that one source excites both tuned circuits cophasally while the



other source excites both tuned circuits in phase opposition, said load being coupled to one of said tuned circuits, the frequencies of said two sources of oscillation corresponding to the two degrees of resonance freedom of the system.

2,250,309
PRINTING AND ENLARGING TABLE
James F. Lary, Memphis, Tenn.
Application May 25, 1940, Serial No. 337,135
11 Claims. (Cl. 95—73)

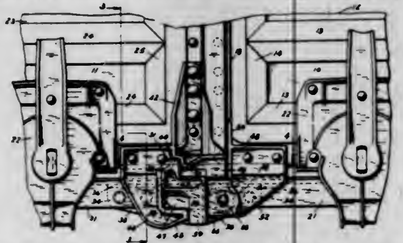


8. A printing and enlarging device, including an enlarging table having an opening therein, a light transmitting panel completing the surface of said table over said opening, said panel being shiftable to uncover said opening; a head, adapted, when said panel is in covering position, to contact negatives and sensitized paper therewith, means hingedly connecting said head to said table for movement of said head through said opening, when uncovered, into inoperative position below, or contacting position above, said panel, and means carried by said device below said opening for effecting printing illumination of said panel.

2,250,310
SLIDING DOOR FASTENER FOR RAILWAY CARS
Gabriel Madland, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application December 21, 1939, Serial No. 310,307
7 Claims. (Cl. 292—304)

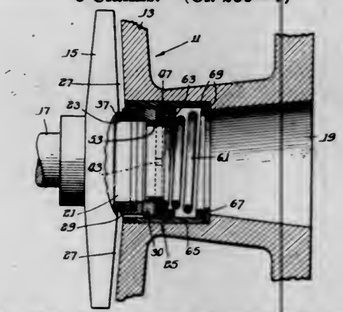
1. In a railway house car the combination with main and auxiliary longitudinally sliding doors, of an abutment on one of said doors, an abutment on said car lying above and in spaced rela-

tion to said door abutment when said one door is closed and means on the other of said doors, said



means being positioned between said abutments when said doors are closed.

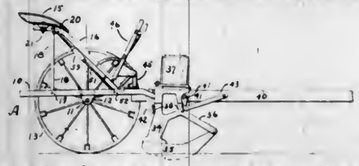
2,250,311
SEAL
Walter W. Meyer, Arlington Heights, Ill., assignor to Rotary Seal Company, Chicago, Ill., a corporation of Illinois
Application March 16, 1938, Serial No. 196,232
3 Claims. (Cl. 286—7)



1. A seal for a pair of relatively rotatable channeled members including a rimmed member formed with an annular rim defining the opening of its channel and disposed with said rim facing into the end of the channel of the other member, said seal comprising an annular seal element forming an annular seal seat, an annular collar of elastic material on said rim and yieldingly sealing and mounting said annular seal element at the opening of the channel of the rimmed member, means forming a cylindrical seal seat in the channel of said other member and an annular abutment adjacent said cylindrical seat, annular seal means having a resilient portion in position to sealingly engage said cylindrical seal seat, said seal means being movable on said other member longitudinally of the channel thereof, and helical spring means bearing at one end on said abutment and at the other end on said annular seal means to yieldingly urge the same longitudinally of said cylindrical seat and into engagement with the annular seal seat to form a running seal therewith.

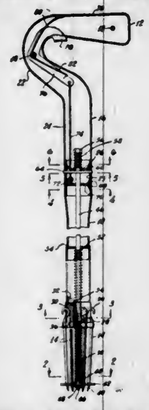
2,250,312
PLANTER FRAME AND ADJUSTING MEANS THEREFOR
Clement W. Michael, Racine, Wis., assignor to The Massey-Harris Company, Racine, Wis., a corporation of Maryland
Application April 13, 1940, Serial No. 329,504
5 Claims. (Cl. 97—236)

1. A planter of the class described, comprising a main frame having side members and transversely spaced carrying wheels mounted thereon a distance from the front ends thereof, a relatively narrow elongated transverse frame hingedly secured to the front end of said side members and having a single forwardly positioned carrying means midway its length, manually operated means associated with said frames and carrying means adapted to raise or lower said transverse frame, means for permanently locking said side members against forward or rearward movement relative to each other, a transverse brace member positioned between said side members near the front thereof, an operator's seat positioned in rear of the vertical plane of the axis of said



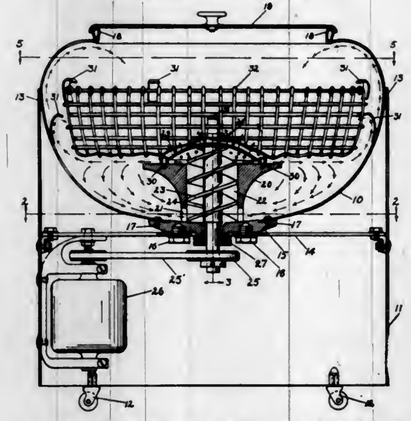
wheels and a distance above said frame having a forwardly and downwardly extending brace secured to said transverse brace midway the length thereof, supporting brace members secured to said forwardly extending brace near its rear end each extending downwardly and outwardly, the lower ends secured to said side members, positioning members their rear ends secured to apexes formed by said supporting braces, their front ends being secured to said side members a distance ahead of the axis of said wheels, one or each of said positioning members having length adjusting means whereby the front ends of said side members may be adjusted to predetermined elevations relative to the axis of said wheels.

2,250,313
WEEDING TOOL
Raymond J. Petz and William J. Kilpatrick, Detroit, Mich., assignors to Rifle Weeder Corporation, Detroit, Mich., a corporation of Michigan
Application December 11, 1940, Serial No. 369,606
10 Claims. (Cl. 294—50.5)



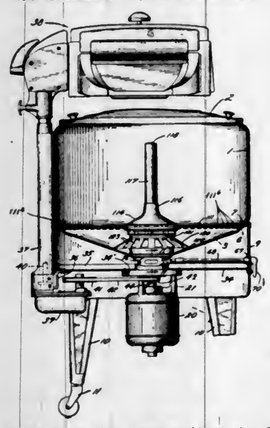
1. In a weeding tool having prongs adapted when in closed position for engaging and holding a root, means constraining said prongs toward a released position, locking mechanism associated with said prongs and operable upon movement of the same to closed position for holding such prongs in closed position, and a release for said locking mechanism, said constraining means being operable upon release of said locking mechanism for ejecting from said prongs a root held therebetween, and means for absorbing the shock incidental to the release of said locking mechanism.

2,250,314
DISHWASHING MACHINE
William Rocke, South Bend, Ind.
Application October 26, 1936, Serial No. 107,598
3 Claims. (Cl. 141—9)



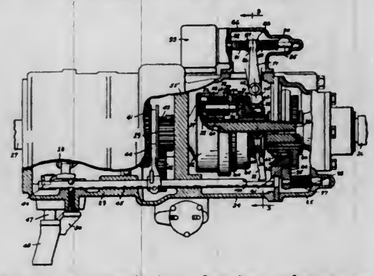
1. In a dish washing machine, a tub having an inturned upper rim, a pump mounted centrally in the bottom of said tub, said pump having an inlet adjacent the tub bottom and a central discharge opening, a perforate circular cap spaced over said pump discharge, said cap forming a nozzle whereby wash water is directed under the cap circumferentially outwardly up the sides of the tub where it is cascaded inward by the inturned rim and through the perforations in the cap radially upward thereby to effect washing.

2,250,315
LIQUID CIRCULATOR
William Rocke, South Bend, Ind.
Application November 8, 1937, Serial No. 173,396
20 Claims. (Cl. 68—184)



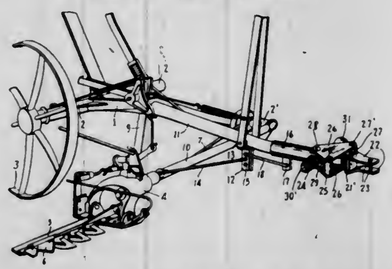
1. In a machine for imparting to liquid in a compartment cyclic flow inwardly toward and outwardly from the center of the compartment in substantially upright outwardly divergent planes, the combination of a receptacle having therein a compartment with a wall above which the aforesaid cyclic flow of liquid is caused to occur, a liquid impeller arranged to withdraw liquid marginally from the bottom of the compartment space above said wall and to discharge same upwardly at the center of said wall, and means which is positioned in the path of said upwardly flowing discharge and at approximately the level of said wall deflects said upwardly flowing discharge laterally and radially outward along the top of said wall in substantially an annular sheet.

2,250,316
MOTOR VEHICLE
Jesse G. Vincent, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 29, 1940, Serial No. 321,387
9 Claims. (Cl. 74—290)



1. In a transmission having change speed gearing including a shift rod operable to establish forward or reverse drive, speed modifying mechanism driven by the change speed gearing including planetary gearing and a shiftable control clutch member therefor, an actuator for the clutch member, spring and solenoid means operable to shift the clutch actuator in opposite directions, and means on the shift rod operable to lock said clutch member actuator in one of its positions when the rod is in position establishing reverse drive through the change speed gearing.

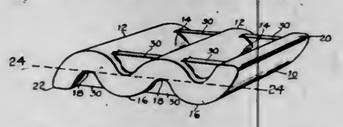
2,250,317
HITCH DEVICE FOR AGRICULTURAL IMPLEMENTS
Wilhelm Vutz, Coldwater, Ohio, assignor to New Idea, Inc., Coldwater, Ohio, a corporation of Ohio
Application January 26, 1940, Serial No. 315,810
7 Claims. (Cl. 280—33.16)



1. In an overload release for mower which has a laterally extending cutter bar and a draft pole,

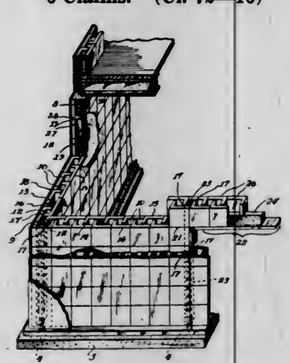
a sleeve slidably mounted on said pole and connected therewith, a clevis, an inwardly extending lip on one side of said sleeve, a stud on said clevis adapted to project through an aperture in said sleeve adjacent the lip, and spring means for holding said stud in said aperture in engagement with said lip when the pole and clevis are aligned, said spring means being yieldable to permit the disengagement of said stud and lip when said pole and clevis are thrown at an angle to each other due to the strain of an obstruction upon said cutter bar.

2,250,318
CAKE OF SOAP
Charlton Wallace, Jr., Cincinnati, Ohio
Application February 23, 1940, Serial No. 320,466
2 Claims. (Cl. 252—134)



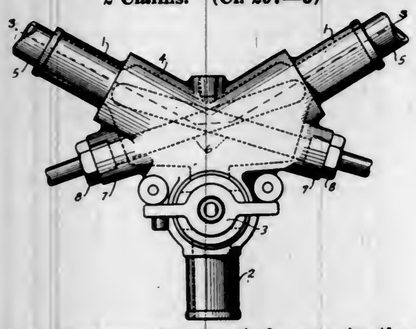
1. A corrugated cake of soap having a substantially uniform thickness, the bottoms of the grooves on opposite sides of the cake lying in a neutral plane and flanges between the ridges, said flanges extending from one ridge across to the other so as to reenforce the cake of soap and so as to form suction pockets between the ridges of the soap.

2,250,319
BUILDING WALL
David Wright, Chicago, Ill., assignor of one-half to Harry T. Bellamy, Chicago, Ill.
Application September 8, 1938, Serial No. 228,913
6 Claims. (Cl. 72—16)



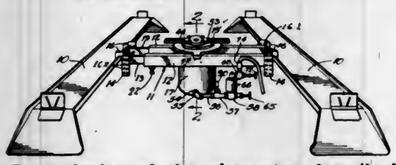
1. A building wall structure, comprising lightweight non-load bearing units and having rectangular wall face members, substantially rectangular wall web members projecting therefrom, said units being laid up in mortar in two tiers forming corners and outer and inner wall faces, with said face members parallel and enclosing a wall space into which said web members project but do not span to bring in contact outer and inner wall face members, said wall web members being superimposed so as to divide the said space into aligned columnar spaces providing suitable forms for concrete load bearing columns, and poured concrete load bearing columns in selected columnar spaces binding together inner and outer wall tiers.

2,250,320
THERMOMETER MOUNT
John W. Young, Pacific Palisades, Calif.
Application June 1, 1939, Serial No. 276,864
2 Claims. (Cl. 297—3)



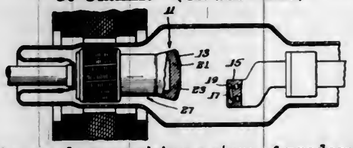
1. A thermometer mount for use in the oil cooling system of an airplane engine composed of a hollow body having four branches arranged in pairs divergently related and the pairs being oppositely disposed to each other, one pair of the branches being tubular to provide conduits for the oil which enters one conduit and egresses through the other, a pair of thermometer elements connected to and extending through the other pair of branches and crossing each other at substantially the center of the body and disposed to conjointly provide a generally X-shaped form and each having an inner end disposed within the conduit adjacent said inner end, the longitudinal axis of each of the thermometer elements extending at an angle to the longitudinal axis of the oil conduit into which it projects and said oil conduits being disposed at such angle to the body so that same and the body provide a substantially continuous and gradually curved flow line, whereby a substantially low pressure drop of the oil at the juncture of the conduits is had.

2,250,321
VEHICLE LIFTING AND VIBRATING DEVICE
Edmund Aron, Chicago, Ill., assignor to Moto-Sway Corporation of America, Chicago, Ill., a corporation of Illinois
Application February 12, 1940, Serial No. 318,389
6 Claims. (Cl. 254—89)



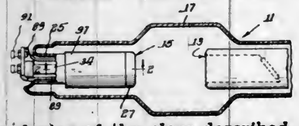
1. In a device of the character described, a bridge structure comprising parallel bars adapted to span the space between parallel trackways and at their ends slidably rest on said trackways, in combination with a jack formed between its ends with a lateral flange overlying and supported by the bars of said bridge, said flange having on its outer edge a pair of diametrically opposed depending hooks overlapping the outer sides of said bars and preventing spreading of said bars under sidewise shift of the jack toward either bar, said jack being laterally movable lengthwise of said bridge and its lower portion being suspended by said flange between and below said bars, said jack being removable by merely lifting it from said bridge.

2,250,322
ANODE AND ALLOY FOR MAKING SAME
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application March 6, 1939, Serial No. 260,004
30 Claims. (Cl. 250—149)



1. An anode comprising a stem of predominantly copper allow containing a hardening material as an alloy constituent in quantities of the order of 0.5 per cent, said alloy having a recrystallization temperature in excess of 400° C. and having heat conducting ability in excess of 50 per cent of that of pure copper at room temperature, and having hardness in excess of 50 Rockwell E scale.

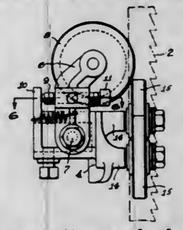
2,250,323
CATHODE CONSTRUCTION AND LAMP EMBODYING THE SAME
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application May 6, 1939, Serial No. 272,222
6 Claims. (Cl. 250—145)



1. In a device of the class described, comprising a sealed envelope and an electrode element supported within said envelope, the combination, with said envelope and element, of mounting means for the element, comprising a plate of heat conducting material having edge portions sealed to said envelope at an opening therein in position exposing one side of said plate outwardly of said envelope through said opening for heat dissipation, means supporting said element on said plate in position within said envelope, comprising a head carrying said element and formed with a frame portion of massive sectional area, means to secure the frame portion on said plate in heat exchange relationship therewith, whereby to provide a heat conducting path from said head to said plate, conductor means electrically connected to said element and extending outwardly of said element through a duct in said plate, and seal means at said duct hermetically sealing the same and insulating the conductor means from the plate, said electrode element comprising a mounting stem rigidly supported on the head and said conductor means comprising a flexible cable and a clamp for securing the cable on the stem within said frame portion, said frame portion having an opening therein giving access to said clamp.

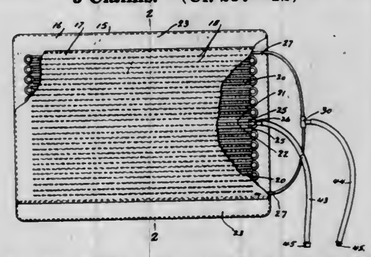
2,250,324
BAND SAW GUARD AND GUIDE
Robert S. Baker, Detroit, Mich.
Application September 26, 1938, Serial No. 231,674
1 Claim. (Cl. 143—162)

In a band saw machine, a bracket, a support pivoted on said bracket, a roller carried by said support for engaging the band saw, an adjustment screw threaded into a bore in and extending through said support into engagement with said bracket, said screw being operable to move said support around its pivot to adjust the position of said roller relative to the band saw, said support having a bore transverse to and intersecting said first-named bore, a pin in said second-named bore having one end in engagement



with said screw, the other end of said pin being conical, and a screw parallel with said first-named screw and having a conical end projecting into said second-named bore in engagement with the conical end of said pin to urge the latter into locking engagement with said first-named screw.

2,250,325
THERMAL DEVICE
Eugene L. Barnes, Buffalo, N. Y.
Application October 12, 1938, Serial No. 234,671
3 Claims. (Cl. 257—12)

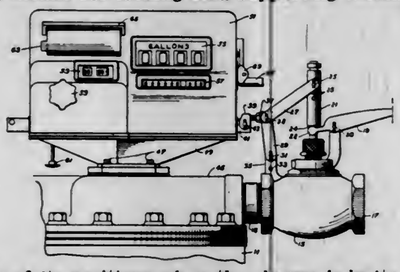


1. As an article of manufacture, a flexible thermal device comprising a blanket having two covers united by means of a plurality of interspaced stitchings, thus forming a number of substantially parallel passageways, a flexible, hollow core disposed in the passageways between the covers and arranged in the form of a plurality of passes, the core being returned upon itself at each of the ends of the passes in zigzag manner and formed thereat with return bends, and a return bend fixture for each return bend of the core for preventing collapse of the core at such bends, the cross-sectional diameter of the channel formed in each of the fixtures being substantially the same as the exterior diameter of the core, whereby the normal area of the core passage at each return bend will be fully maintained.

2,250,326
FLUID DISPENSING APPARATUS
William M. Carroll, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application January 23, 1937, Serial No. 122,052
36 Claims. (Cl. 221—101)

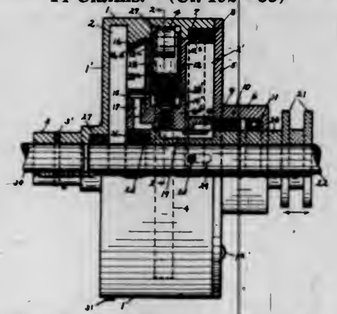
1. In a fluid dispensing apparatus, a meter driven register composed of type-wheels, movable means adapted to support a ticket in one or the other of two positions adjacent said type-wheels, a mask for said apparatus having a slot through which said ticket may be inserted in said sup-

porting means, a closure for said slot, and means cooperating with said closure and said supporting means for locking said supporting means in



one of its positions when the closure is in its ineffective position and for locking said closure in its effective position when said supporting means occupies the other of its positions.

2,250,327
FLUID OPERATED CLUTCH MECHANISM
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application October 24, 1940, Serial No. 362,550
14 Claims. (Cl. 192—85)



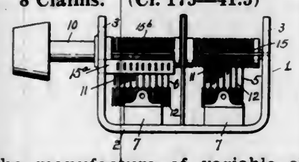
1. A clutch comprising a driven shaft with closed cylindrical housing united thereto carrying the outer member of a cone clutch, a drive shaft having a piston united thereto carrying the inner member of a cone clutch within the housing and slidable for a short distance longitudinally therein, said piston being rotatable in the housing when the clutch is disengaged and rotatable with the housing when the clutch is in engagement, the drive shaft being mounted upon suitable bearings concentric of the housing and piston, a sleeve mounted upon and slidable longitudinally of the drive shaft and rotatable therewith, the piston being keyed or splined upon the sleeve or otherwise suitably secured against rotation relative thereto, one or more radial bores formed in the piston with a plunger or plungers slidably mounted therein, each plunger bearing upon its outer end a bearing wheel or roller rotatably mounted, an eccentric grooved cam track in the inner face of the housing in which said wheel may travel as the piston rotates within the housing, said groove being slightly wider than said wheel, front and rear fluid chambers formed at the front and rear of the piston, a by-pass formed in the sleeve connecting with front and rear ports formed in the piston for passage of fluid from one chamber to the other, the port or ports from the rear chamber also opening into the aforesaid bore or bores, additional ports at the inner ends of the piston bores opening into the ports formed in the sleeves, check valves to close the last mentioned ports and means united to the sleeve whereby it may be manually moved longitudinally from the closed to the open position of the ports or vice versa.

2,250,328
POCKET ARTICLE DEVICE
Ralph E. Daniels, Miami, Fla., assignor to Swank, Inc., a corporation of Delaware
Application September 27, 1940, Serial No. 358,622
3 Claims. (Cl. 24—3)



1. A device to be worn on the person comprising a supporting member for engaging the edge of a pocket and having a leg to extend along the inner surface of the pocket and a leg to extend along the outer surface of the pocket, an article-carrying member, means to connect said carrying member to said supporting member and so located and arranged as to suspend the article on said member within the pocket and relieve the bottom of the pocket from supporting the entire weight of the article, and a flexible tethering element connected to one of said members for attaching the device to the garment, said legs being so constructed and arranged as to permit of the supporting member being removed from the pocket edge by a pull on the tethering element.

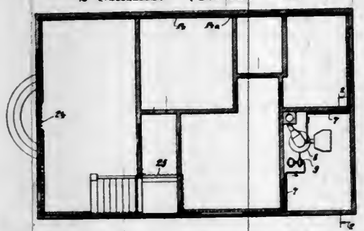
2,250,329
VARIABLE ELECTRICAL CONDENSER AND METHOD OF MANUFACTURE
Karl A. Duerk, Richland Township, Defiance County, Ohio, assignor to The American Steel Package Company, Defiance, Ohio, a corporation of Ohio
Application August 14, 1939, Serial No. 290,126
8 Claims. (Cl. 175—41.5)



1. In the manufacture of variable electrical condensers, the method of assembling a stator element having parallel plates in a frame having end members, which method consists in fixedly supporting the base portion of the stator element in the frame with the stator plates free to vibrate above the point of support, and then while said stator plates are freely supported from said base portion, rigidly tying the upper or free portion of the stator element plates to a frame end by a settable cement connection applied in situ to prevent relative vibration or movement.

4. In a variable electrical condenser having a U-shaped frame and a stator unit comprising spaced plates rigidly connected at their base edges and fixedly mounted at such edges to the frame with the plates substantially parallel to the frame ends and free to vibrate about said base edge connections relative to each other and to the frame, an insulating tie-bar rigidly connected to the outer or free portions of the stator plates and having one end thereof arranged in spaced relation to one end portion of said frame, and a rigid connection between said tie-bar and said end portion comprising hardened cementing material filling the space between the end of said tie-bar and said end portion.

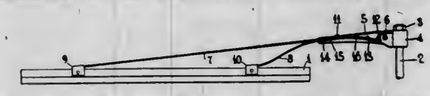
2,250,330
HOUSE HEATING SYSTEM
Harry F. Eastwood, Merrick, and Emil A. Schryber, Lynbrook, N. Y., assignors to Tilco-Fin, Inc., Brooklyn, N. Y., a corporation of New York
Application June 6, 1940, Serial No. 339,060
2 Claims. (Cl. 237—63)



2. In a house heating system of the character disclosed, the combination of flat shallow casings located substantially at the baseboard level, above the floor and extending along the outer walls of the rooms to be heated, said casings being open at the bottom along the floor to freely admit air above the floor level and open at the top along the walls for free discharge of air along the walls into the rooms to be heated, a single length of finned tubing located in said flat shallow wall casings between the open bottom and top portions of the same and extending in a single continuous loop through said outer wall casings substantially about the outer walls of the house, a heater, the ends of said single continuous loop of finned tubing having connections with the output and return sides of said heater and a pump in said connections controlled to force rapid circulation of heating fluid through said loop of finned tubing extending continuously in the single loop through the open casings along the walls of the several rooms to be heated, said wall casings having readily removable front sections and dampers removably engageable in said wall casings upon removal of said front sections, whereby dampers may be located at will in different selected portions along the outer walls of the heated rooms, and means within the casings for movably supporting the inserted dampers in position between the open bottom and top portions of said casings.

2,250,331
WINDSHIELD CLEANER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application December 19, 1939, Serial No. 310,008
7 Claims. (Cl. 15—255)

1. A wiper arm assembly having a mounting part for attachment to an actuating shaft, an intermediate member pivotally connected to the mounting part, and a pair of wiper carrying members on the intermediate member each in

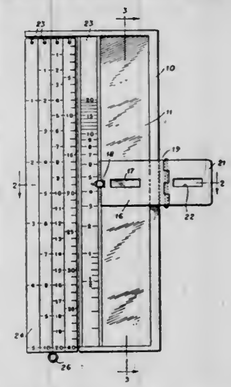


the form of a leaf spring and one extending beneath the other and movable relatively thereto at their outer ends, such outer ends adapted for attachment to a wiper and each exerting an independent spring pressure on the wiper.

2,250,332
PREPARATION OF ISOCYTOSINE
Erwin Kuh, New Brunswick, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 20, 1941, Serial No. 379,829
6 Claims. (Cl. 260—251)

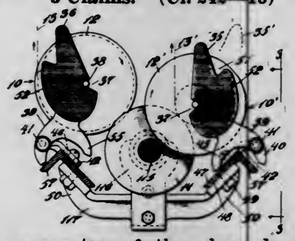
1. A method of recovering an isocytosine sulfate from reaction mixtures containing the isocytosine sulfate and sulfuric acid which comprises admixing the reaction mixture with a sufficient amount of a water-soluble lower paraffin alcohol to precipitate out the isocytosine acid sulfate.

2,250,333
VISIBILITY METER
Stanley Miller, Missoula, Mont.
Application December 17, 1940, Serial No. 370,527
4 Claims. (Cl. 88—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



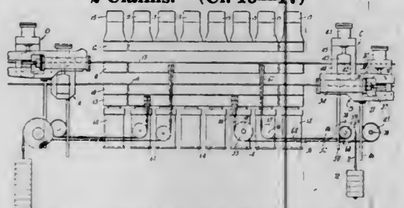
1. A device of the character described, comprising an optical wedge, a picture mounting on one side and an eyepiece on the other side of said wedge for observing a picture on said mounting through said wedge, said eyepiece and mounting being commovable on said wedge, another eyepiece commovable with the first mentioned eyepiece for viewing a distant object, said picture representing a clear view of an object free from intervening haze and having a color and texture substantially the same as the view where visibility is to be determined, a scale adjacent said wedge having designations corresponding to the gradient of optical density of said wedge, and an extensible scale adjacent the first scale, said extensible scale being graduated in units of distance.

2,250,334
STRAND WRAPPING MACHINE
John Perry, Seekonk, Mass., assignor to H & B American Machine Company, a corporation of Maine
Application April 13, 1940, Serial No. 329,476
5 Claims. (Cl. 242—18)



1. In apparatus of the class described, the combination of a frame, a positively driven roll rotatably mounted on said frame, a carrier holding a wound mass of strand material, a pair of spaced plate members pivotally mounted on said frame member for swinging movement toward and from said driving roll, said swingable members rotatably supporting said carrier between them and movable bodily with said carrier to hold the exterior of the wound mass of strand material in frictional driving engagement with the peripheral surface of said driving roll and to move the spool towards the driving roll as the strand material is unwound from the spool at high speed, and a weighting device associated with said plate members comprising two convexedly-curved lobes one acting on each of said plates and movable bodily therewith, the curvature of said lobes being on a curve of gradually-increasing radius, said lobes acting to impart a gradual increase in the effective pressure of the spool and its associated mass of strand material, on the driving roll in an amount proportional to the loss in weight of the strand mass on the spool and thereby compensate for the corresponding pressure loss due to the gradually-diminishing weight of the strand mass as it is unwound from the spool, and to maintain substantially constant the effective resultant pressure of the spool and its strand mass on the driving roll regardless of the amount of strand material on the spool.

2,250,335
BELT PRESS
Harry A. Trishman, Cuyahoga Falls, and George S. Andrus, Akron, Ohio, assignors to The Adamson Machine Company, Akron, Ohio, a corporation of Ohio
Application June 30, 1938, Serial No. 216,706
2 Claims. (Cl. 18—17)



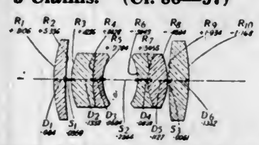
1. In a belt press, the combination of a platen, means for lifting and lowering the same to close and open the press, belt tensioning devices at opposite ends of the press, each of said belt tensioning devices comprising means for raising and lowering the same, which means comprises a rack that is secured thereto, a pinion meshed with said rack, a drum having driving connection with said pinion, and a cable wound about said drum and so connected to said platen that vertical movement of the latter effects longitudinal movement of said cable to rotate said drum.

2,250,336
NOSE PAD ARM CONSTRUCTION
Louis Vitolo, Brooklyn, N. Y., assignor to Century Oxford Manufacturing Corp., Brooklyn, N. Y.
Application December 26, 1940, Serial No. 371,617
1 Claim. (Cl. 88—49)



A nose pad unit comprising, a pad having an apertured lug on the rear face thereof, a supporting arm terminating with an orifice in the shape outling the capital letter H, which is disposed transversely of the arm length, said orifice being adapted to receive the lug, the portion of the orifice outlining the transverse part of the letter constituting trunnions adaped to align with the aperture of the lug when the same is inserted into the orifice, said trunnions being adapted to enter the aperture of the lug when the sides of the said letter are forced toward each other, whereby said lug is mounted to rock on said trunnions in said arm.

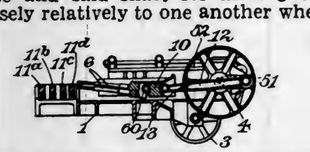
2,250,337
OPTICAL OBJECTIVE
Arthur Warmisham, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application December 14, 1939, Serial No. 309,266
In Great Britain December 23, 1938
5 Claims. (Cl. 88—57)



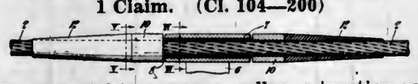
1. An optical objective corrected for spherical and chromatic aberrations, coma, astigmatism, distortion and curvature of field, comprising four axially aligned lens components separated by air gaps, of which the two outer components consist of simple collective elements at least one of which is made of a glass having a mean refractive index higher than 1.75, and the two inner components consist of compound dispersive meniscus components with their concave surfaces facing one another whilst the sum of the numerical values of the curvatures of their convex surfaces lies between 4.25 and 4.85 times the reciprocal of the equivalent focal length of the objective.

2,250,338
MANUFACTURE OF SEAMLESS HOLLOW ARTICLES
William George Frederick Westbrooke, London, England, assignor, by mesne assignments, to Omes (Continental) Limited, Barnes, London, England
Application March 25, 1940, Serial No. 325,855
In Great Britain March 21, 1939
10 Claims. (Cl. 29—34)

1. In a machine for manufacturing seamless hollow bodies from solid billets the combination of at least one piercing punch, a crank-shaft, driving means therefor, means for actuating said punch from the crank-shaft, swage-jaws associated with said punch at least one of said swage-jaws being movable transversely, actuating means for said swage-jaws and operative means between the same and said shaft for moving the jaws transversely relatively to one another when a billet is inserted therebetween so as to center the billet, interchangeable liners in said swage-jaws, drawing mandrels, operative connections between said drawing mandrels and said driving mechanism, and drawing dies associated with said drawing mandrels so that the billets after being pierced may be placed upon the drawing mandrels and drawn to final size while still hot from the piercing operation.

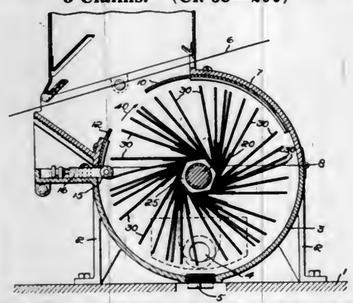


2,250,339
HANGER FOR AERIAL TRAMWAYS
Gordon R. Whittum, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 13, 1940, Serial No. 329,572
1 Claim. (Cl. 104—200)



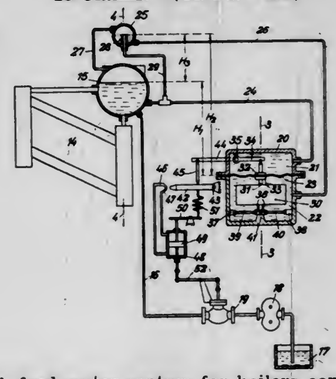
In an aerial tramway, a pulley, a traction rope in contact with said pulley, a resilient cylindrical sleeve embracing said traction rope and secured thereto, a load-carrying hanger, said hanger comprising a rigid cylindrical sleeve portion rotatably embracing said resilient cylindrical sleeve and substantially coextensive therewith, and a frusto-conical resilient sleeve embracing said rope at either end of the rigid cylindrical sleeve portion of said hanger, each of said frusto-conical resilient sleeves being tapered away from said hanger, the largest diameter of said frusto-conical resilient sleeves being approximately the same as the diameter of the rigid cylindrical sleeve portion of said hanger.

2,250,340
DYE-SPATTERING MACHINE
Harry C. Wolfenden, Attleboro, Mass.
Application January 14, 1941, Serial No. 374,341
3 Claims. (Cl. 68—200)



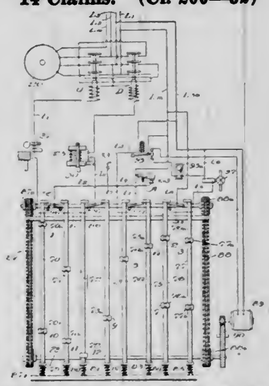
1. In a dye-spattering machine of the kind described, a rotatable wheel comprising a shaft, a plurality of individual hub members adapted to fit on said shaft, each hub carrying a plurality of spring teeth, and means to clamp said plurality of hubs on said shaft with the spring teeth in relatively disaligned relationship.

2,250,341
LIQUID COLUMN RESPONSIVE DEVICE
Guido Wünsch, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau, a corporation of Germany
Application November 30, 1937, Serial No. 177,393
In Germany December 4, 1936
15 Claims. (Cl. 122—451)



8. A feed water system for boilers comprising a feed water pipe, a valve in said pipe, a liquid column responsive device for controlling said valve, means for compensating the influence of an inclination of the liquid column on said liquid column responsive device, said means including means for exerting a counter-force on said liquid column responsive device in opposition to the pressure of said liquid column, said counter-force being a function of the inclination of said liquid column.

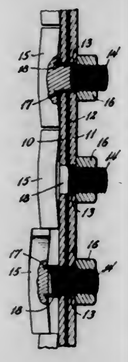
2,250,342
ELECTRIC CONTROLLER
Victor I. Zelov, Rosemont, and William Strauss, Philadelphia, Pa., assignors to Molded Insulation Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Original application June 5, 1937, Serial No. 146,550, now Patent No. 2,242,189, dated May 13, 1941. Divided and this application December 27, 1939, Serial No. 311,222
14 Claims. (Cl. 200—32)



1. In combination, a switch, a reciprocating

bar for actuating said switch, means for operating said bar comprising a control element movable along a closed path having a section thereof arranged parallel to said bar, and an abutment carried by said bar and extending into the path of travel of said control element, said abutment being adjustable in position along the length of said bar.

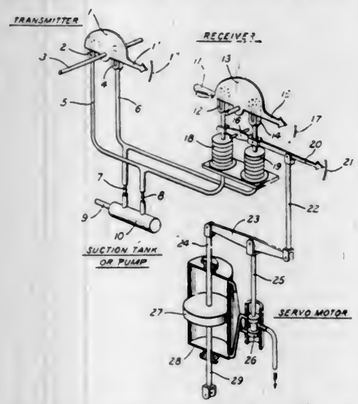
2,250,343
BOLTED JOINT
Carl S. Zigler, Gladewater, Tex., assignor to William P. Lincoln, Shreveport, La., doing business as Lincoln Tank Company
Application February 18, 1938, Serial No. 191,291
3 Claims. (Cl. 220—75)



1. In a bolted lap joint for metal tanks and the like, sheets having aligned openings; T-bolts in said openings having rigid, elongated integral, substantially rectangular heads at one end with longitudinally concave faces engaging the sheet on the inside of the tank, the other ends of the bolts having screw threaded engagement with clamping nuts; each of said heads having an annular V-shaped groove around the bolt shank; and cylindrical packing sleeves frictionally mounted on the bolt shanks and extending into said grooves and adapted to be compressed into sealing engagement with the bolt shanks and the bolt holes when the nuts on the bolts are tightened.

2,250,344
REMOTE CONTROL SYSTEM
Robert Alkan, Paris, France
Application February 21, 1939, Serial No. 257,703
In France February 21, 1938
5 Claims. (Cl. 121—41)

1. A relay for use in an automatic pilot control of the type having a fluid pressure operated servo-motor actuated by a valve controlled through said relay by a control device, comprising two bellows, each bellows being fixed at one end and adapted to be connected at said end to a source of air pressure and each having at the other end an orifice open to the atmosphere and movable with said bellows upon expansion and contraction thereof due to a difference in pressure produced in the pair of bellows by the control device, a relatively stationary screen member normally partially covering the orifices of both bellows to the same extent when said bellows are in normal position and the pressure therein is equal, but covering one orifice more and the other less as one bellows expands and the other contracts, when there is a difference in pressure between the two bellows, thereby re-equalizing the difference in pressure, and a pivoted lever connected differentially to the movable ends of said bellows for actuation thereby.



2,250,345
DEODORIZING METHOD
William M. Allison, New York, N. Y., assignor to Oakite Products, Inc., a corporation of New York
No Drawing. Application May 27, 1937, Serial No. 145,166
7 Claims. (Cl. 21—55)

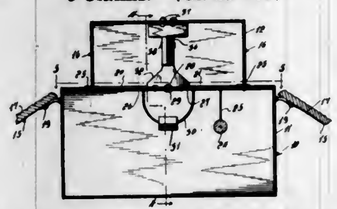
1. A method of preventing and destroying odors in waters employed in pasteurizing equipment which comprises incorporating with said waters a germicidal metallo-organic compound containing an organic radical and at least one metal having a valence of at least two, at least one of the valence bonds of such metal being attached to an atom of the group consisting of nitrogen and carbon of said organic radical.

2,250,346
RESIN BASE WATER PAINT
Charles Barrell, Hollis, N. Y., assignor to Barrell Associates Incorporated, Jamaica, N. Y., a corporation of New York
No Drawing. Application July 2, 1938, Serial No. 217,255
3 Claims. (Cl. 260—6)

1. A composition comprising per 100 pounds by weight:

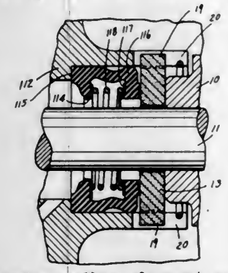
	Pounds	Ounces
Triple washed calcium carbonate	10–25	
Fibrous asbestine	8–15	
Cold water glue		3–5
Domestic china clay (extra fine)	5–20	
Powdered casein (nitrogen factor 7.07)	2–3½	
Fine steamed mica (1,000 mesh)	½–7	
Zinc sulphide	20–40	
Talc	1–7	
Alkyd resin solution	3–8	
Phenol		3¾–4¼
Borax (powdered)		4–12
Neutral soap (flaked)		2–6
Common laundry starch		1–5
Tallow	1½–2½	
Lead naphthenate soap		1–4
Glycerine		0–8
Pine oil		0–8
Sassafras essential oil		0–16
100 mesh casein (nitrogen factor 7.07)	1¾–4	
Water	½–3	
Powdered gelatin	¾–1½	

2,250,347
ANIMAL TRAP
Amos H. Been, Henryetta, Okla.
Application November 7, 1940, Serial No. 364,737
6 Claims. (Cl. 43—70)



1. A trap comprising a casing, a trip platform pivoted to the casing at the entrance thereto, an auxiliary trip platform pivoted to and carried by the first mentioned trip platform, means urging said trip platforms to casing-closing positions, the pivotal axes of said trip platforms being at different angles, abutment means holding the platforms against tripping, releasable to cause tripping under the weight of an animal treading upon the auxiliary trip platform, said abutment means comprising an arm on the auxiliary trip platform and an abutment member on the casing engageable by the arm.

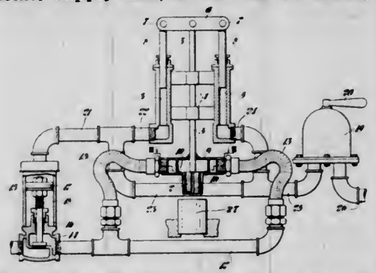
2,250,348
FLUID SEALING DEVICE
Kurt A. Beier, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation
Application September 8, 1936, Serial No. 99,763
6 Claims. (Cl. 288—2)



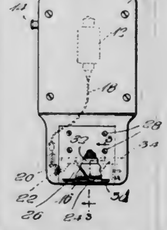
1. A composite sealing element comprising a longitudinally expansible and contractible channeled ring, a two-piece casing having radially extending side walls mounted within the sides of the said ring and having telescoping cylindrical walls, and a coil spring having its opposite ends engaging the side walls of said casing, the end of one of the cylindrical walls having a radially outwardly projecting wall adapted to limit the separation of the two parts of the casing by the spring therewithin.

2,250,349
LUBRICATING DEVICE
David Berquist, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application September 12, 1939, Serial No. 294,551
8 Claims. (Cl. 10—106)

1. In a lubricating device for tapping machines and the like, the combination with a non-rotatable reciprocating cutting tool and a rigidly mounted guiding support therefor, of a nozzle securely mounted on said cutting tool so as to move with the same in its reciprocating movement and adapted to supply a continuous stream of a lubricant to the outer surface of said cutting tool and the work-piece during the cutting operation, a lubricant supply line for supplying the lubricant to said nozzle, a valve disposed in said lubricant supply line, means for actuating said valve to open the same to supply the lubricant to the nozzle and to simultaneously move the cutting tool forwardly into engagement with the work-piece, and means for moving the cutting tool away from the work-piece to its retracted position after the cutting operation and for simultaneously closing said valve to stop the supply of the lubricant to the nozzle.



2,250,350
RAZOR
Walter Berry, Greensboro, N. C.
Application September 12, 1940, Serial No. 356,526
6 Claims. (Cl. 30—43)

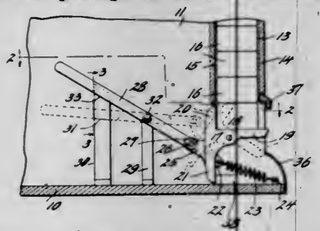


1. A razor of the character described, comprising a housing, a U-shaped face guard attached to one end of the housing, a cylinder journaled in the housing between the U-shaped face guard sides, an elongated spiral cutting member carried by the cylinder, an opening in one side of the housing adjacent the end of the cylinder, power means carried by the housing for rotating the cylinder, and a plurality of openings in the face guard whereby the hair is sheared off between the edges of said openings and the cutting member.

2,250,351
DISPENSING APPARATUS
George A. Blake, New Bedford, Mass.
Application October 18, 1939, Serial No. 300,084
3 Claims. (Cl. 312—63)

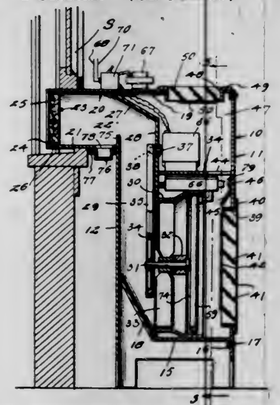
1. In a dispensing device or articles of merchandise, a chute adapted to contain a supply of articles to be dispensed, an ejector member pivoted beneath said chute and having a normally horizontal portion adapted to support the articles in said chute and a normally vertical portion adapted to engage the rear side of the lowermost article, and means to rock said ejector

member forwardly so that the said lowermost article is caused to slide beneath the lower front edge of said chute and out of said device, said ejector member being so disposed relative to the lower front edge of said chute as to normally prevent the passage of said lowermost article



therebetween, while at the same time exposing said article to view, the upper end of the vertical portion of said ejector member in the rocked position of the ejector member being adapted to engage under the article next above said lowermost article to thus temporarily support the articles remaining in the chute.

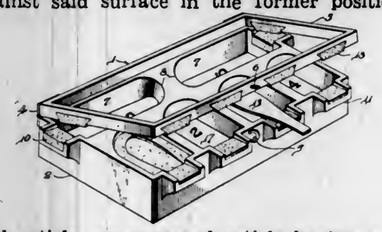
2,250,352
AIR CONDITIONING DEVICE
Clarence A. Bolcom, Ionia, Mich.
Application August 22, 1939, Serial No. 291,432
4 Claims. (Cl. 98—39)



1. An air conditioner comprising an outer jacket, an air duct in said jacket, said jacket having an air outlet through a wall thereof forwardly of said duct, an intake extension carried by said duct extending rearwardly of said jacket, a filter in said extension, a fan intersecting said duct, a diffusing screen in said duct forwardly of said fan, a baffle at the inner end of said intake extension and projecting upwardly thereinto, said extension having a lower opening rearwardly of said baffle, a moisture receiver below said opening, and means removably supporting said receiver from said extension.

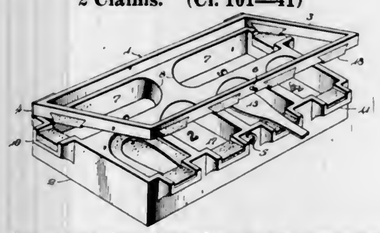
2,250,353
TRANSFER MOLD AND PROCESS
Macon A. Brock and Harlin W. Winkle, Rome, Ga.
Application April 15, 1939, Serial No. 268,044
4 Claims. (Cl. 41—33)

3. The method of transferring engraved designs from one article of silverware to another comprising, immobilizing said article with the portion to be engraved extending downwardly into the recess of a transfer mold, filling said recess to the upper level of said article with a heated liquid that solidifies to a firm, resilient jel at ordinary temperature, allowing said liquid to cool to the solid form, removing said article from the mold insert formed by said solid, producing an outline of the design upon the surface of the mold insert by pressing into said mold insert and against said surface in the former position of



said article, an engraved article having a powdery dye of the eosine type filling the engraved portion thereof, removing said article from said mold insert, coating said portion to be engraved with a film of wax, pressing said first article including said portion into its former position in the mold insert with said wax film in contact with said powdery dye outline, and removing said article from said mold insert for engraving according to the powdery outline adhering to said wax film.

2,250,354
TRANSFER MOLD
Macon A. Brock and Harlin W. Winkle, Rome, Ga.
Original application April 15, 1939, Serial No. 268,044. Divided and this application February 20, 1940. Serial No. 319,944
2 Claims. (Cl. 101—41)

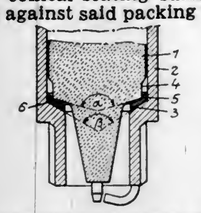


2. An engraving transfer mold comprising a rigid body member having spaced top and bottom walls and a peripheral side wall, said body having an elongated generally rectangular recess formed in and extending below said top wall, said recess having downwardly inclined walls, and a removable engraving transfer mold insert received in said recess and closely fitting the walls thereof, said insert comprising a block of resilient material having a depression therein corresponding in outline to that of the article to be engraved.

2,250,355
PACKING FOR INSULATORS IN SPARKING PLUGS
Josef Bruck, Tabor, Bohemia
Application August 8, 1939, Serial No. 289,031
In Czechoslovakia June 8, 1937
2 Claims. (Cl. 123—169)

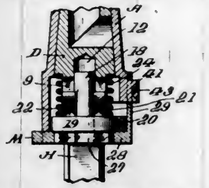
1. A packing construction for the insulator in a sparking plug comprising a metal casing having a conical seat, a packing disposed on said seat

and a lower conical seating surface on said insulator lying against said packing having a larger



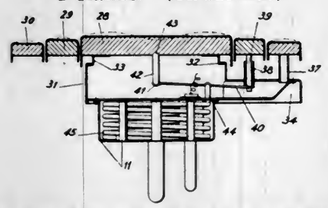
apex angle than the apex angle of the surface of said conical seat.

2,250,356
GAS COCK
Isaac Vernon Brumbaugh, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application February 3, 1938, Serial No. 188,549
17 Claims. (Cl. 251—165)



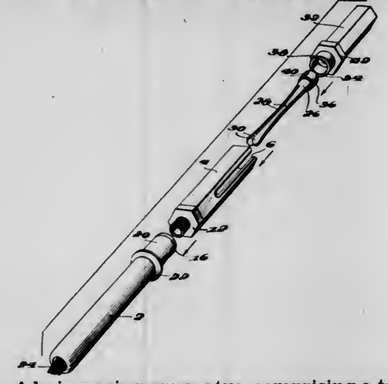
1. In combination, a cock and a cap therefor, said cock having a body provided at one side of one of its ends with an outwardly extending ear-like portion and at its opposite side with an outwardly extending lug, said cap having a face portion including an ear-like extension adapted to abut the end of the body and the body ear, said cap having a skirt-like portion adapted to parallel the outer side of the body and provided with an opening adapted to receive said body lug, and means to secure the ear-like portion of the cap and body together.

2,250,357
ELECTRIC RANGE
Etienne Challet, Paris, France, assignor of one-fourth to Entreprises Electriques Fribourgeoises, Fribourg, France
Application January 3, 1939, Serial No. 249,132
In France November 24, 1938
4 Claims. (Cl. 219—37)



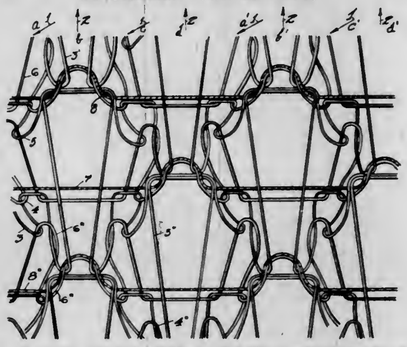
1. In an electric range, a hot plate comprising a central movable mushroom-shaped heating element, a movable intermediate heating ring, a fixed outer heating ring, a central push rod bearing at one end against said central heating element in order to support the same, push rods located below said movable ring for supporting the same, diametrically opposed equalizer bars cooperating with said central push rod and said push rods cooperating with said movable ring, a spring located below said hot plate and push rods reacting with said equalizers and said spring so as to support said central heating element and said movable ring.

2,250,358
PERMANENT WAVER
John Cirillo, New York, N. Y.
Application April 21, 1941, Serial No. 389,637
16 Claims. (Cl. 132—33)



1. A hair waving apparatus, comprising a tubular receiving element having an open upper end and a slot through the side wall thereof extending from said upper end, heater means on said receiving element, handle means for supporting said receiving element adjacent the head of the user, a plurality of mandrels, each engageable into said receiving element, and a handle detachably engageable with one end of said mandrels whereby after strands of hair are wound on said mandrels, said mandrels may be inserted, successively, into said receiver for heating, with the strand of hair extending out through said slot to the user's scalp, removed from said receiver, and detached from said handle.

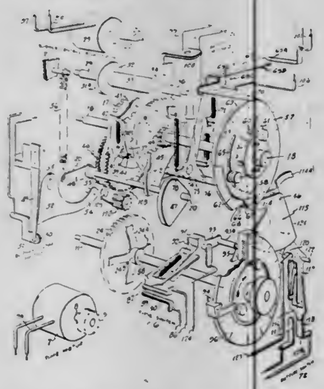
2,250,359
ELASTIC FABRIC
David M. Clark, Worcester, Mass.
Application March 11, 1939, Serial No. 261,199
10 Claims. (Cl. 66—176)



1. A new elastic fabric having stretch in two directions, in which certain courses consist of inelastic thread and the remaining courses consist of elastic and inelastic threads, said elastic and inelastic threads in said remaining courses being knitted together into certain spaced wales only of the fabric and the inelastic thread in

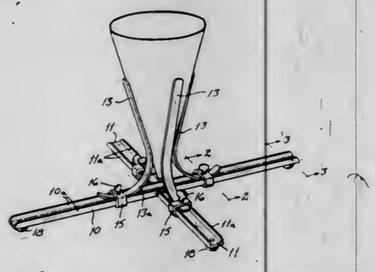
said remaining courses being unknitted in certain of the remaining wales in the same courses, the elastic and inelastic threads being knitted in alternate wales in successive courses.

2,250,360
COMBINATION BURNER CONTROLLER
Charles C. Cram, Portland, Oreg., assignor to L. R. Teeple Company, Portland, Oreg.
Application August 3, 1938, Serial No. 222,812
9 Claims. (Cl. 236—9)



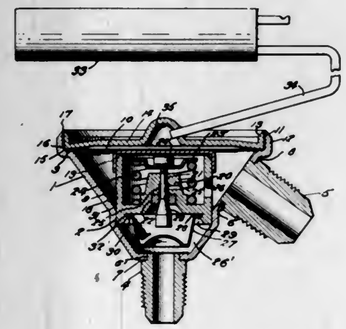
1. In combination, a burner control relay within an electric circuit to a power source, a thermostat in circuit with and controlling said relay, a time actuated switch mechanism including a switch in parallel circuit with said thermostat, interlocking means associated with said switch mechanism and said relay and adapted to reset said switching mechanism upon deenergization of said relay, a combustion responsive thermostat, a second time actuated switching mechanism independent of said first time actuated switching mechanism and including a switch adapted to interrupt said power source, controllable release means whereby said second mechanism may be reset to initial position, and circuit relationships embracing said combustion responsive thermostat and said release means whereby said release means is inoperative during any energization of said relay accompanied by a selected condition of combustion.

2,250,361
PORTABLE HOLDER
Charles V. Cullinan, Cleveland, Ohio
Application September 15, 1939, Serial No. 294,997
5 Claims. (Cl. 248—44)



5. In a device of the character described the combination of a base structure comprising a channel member, an article supporting transversely flat and longitudinally curvilinear arm slidably disposed in load-reactive engagement with the channel of said channel member, and a clamping element extending over said channel and slidably carried by said channel member whereby said arm may slide in said channel below said element.

2,250,362
EXPANSION VALVE
John E. Dube, St. Louis, Mo., assignor to Alco Valve Company, St. Louis, Mo., a corporation of Missouri
Application September 30, 1939, Serial No. 297,397
2 Claims. (Cl. 137—153)

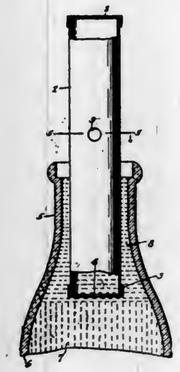


1. An expansion valve comprising a housing having a lower pressure chamber of relatively small diameter and an upper chamber of relatively larger diameter and of progressively increasing diameter in an upward direction, the lower pressure chamber being provided with an inlet opening at its bottom and the upper pressure chamber being provided with a lateral outlet opening between its bottom and top, a valve cage fitted and secured at its lower end in the housing at a point between said pressure chambers and extending upwardly into the upper chamber in spaced relation to its walls, said cage closing direct communication between the chambers and having a spring containing chamber therein, a fluid conducting passage including an inlet portion leading from the bottom of the cage to the spring containing chamber and an outlet portion leading from the spring containing chamber through a side of the cage and communicating with the upper pressure chamber for flow of fluid from the lower pressure chamber to the upper pressure chamber through the valve cage, a valve controlling the flow of fluid through the inlet portion of said passage into the spring containing chamber, a spring in the spring containing chamber for holding the valve normally closed, a cover closing the top of the upper pressure chamber, and a diaphragm disposed between the valve cage and cover and movable downwardly under a predetermined pressure to open the valve.

2,250,363
CREAM SEPARATOR
Ralph Edwards, Osceola, Ind.
Application March 15, 1940, Serial No. 324,212
2 Claims. (Cl. 210—51.5)

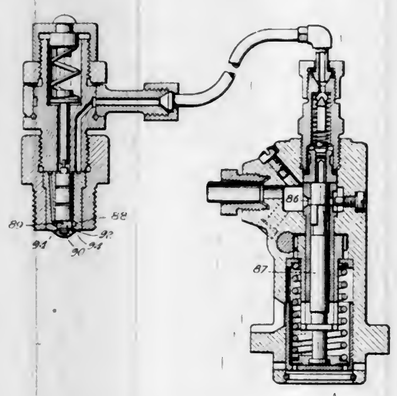
1. A cream separator of the character described comprising a tube, caps on the ends of said tube,

one of the caps having an opening therein, the tube having diametrically opposite openings



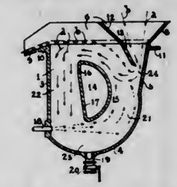
therein at an intermediate point located closer to the other cap than to said one cap.

2,250,364
ENGINE AND METHOD OF FUELING THE SAME
Max George Fiedler, Chester, Pa., assignor to Fiedler-Sellers Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Continuation of application Serial No. 34,134, July 31, 1935. This application January 31, 1938, Serial No. 188,017
3 Claims. (Cl. 123—32)



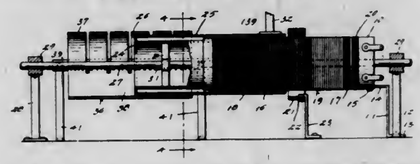
1. The method of operating variable speed solid fuel auto-ignition type internal combustion engines which consists in compressing air in the engine cylinder to an extent affording auto-ignition temperatures and maintaining said air in a state of turbulence, and instantaneously injecting a complete charge of fuel into the cylinder in the form of a loosely bound mass of liquid particles readily mixable with the turbulent air to produce an auto-ignition mixture but at a temperature sufficiently low to preclude initiation of combustion prior to completion of said injection and prior to the establishment of all of said fuel in auto-ignition mixture.

2,250,365
APPARATUS FOR THE SEPARATION OF MINERALS
Arthur Edward Flynn, Halifax, Nova Scotia, Canada
Application August 14, 1939, Serial No. 289,960
In Canada September 23, 1938
1 Claim. (Cl. 209—155)



In apparatus for the separation and classification of minerals or the like comprising a vessel having an arcuate bottom, side walls, one of which is slanted outwardly from a vertical position, another of which has an overflow lip extending outwardly from the top thereof, a centrally disposed substantially D shaped member, the curved portion of which is concentric with the arcuate bottom of the vessel, said D shaped member divides the vessel into three zones, water supply pipes situated at the bottom of the side wall to which the overflow lip is attached and by means of which water is discharged into the vessel and by the configuration of the said D shaped member caused to assume a rotary motion about said member, a feed hopper formed by three of the side walls other than the one to which the overflow lip is attached and an inwardly situated downwardly extending partition, whereby the material to be separated is fed below the liquid level of said vessel and in opposite direction to the flow of said liquid stream, causing the heavier particles to sink to the bottom of said vessel, the lighter particles to be moved transversely across the vessel, part thereof flowing out over the overflow lip, the remaining coarser material being carried to the bottom of the vessel wherein there is located discharge means for discharging said heavier material.

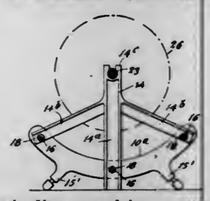
2,250,366
RADIO FREQUENCY TUNER UNIT
Randolph William Frisbee, Atlanta, Ga.
Application January 19, 1940, Serial No. 314,722
7 Claims. (Cl. 250—40)



1. A radio frequency transformer comprising a cylindrical insulated form, a secondary coil on said form, a primary coil on said form adjacent an end of said secondary coil, a second primary coil connected to said first primary coil and disposed in spaced relation to said first primary coil and telescoping a portion of said secondary coil, a pair of connected inner and outer shields shiftable relative to said secondary coil and to said second primary coil for varying the inductance thereof, and an annular condenser stator plate disposed coaxial with said form and said shields and extending from an end of said form whereby decrease of the telescoping engagement of said shields with respect to said secondary coil will

simultaneously increase the telescoping engagement of said shields with respect to said condenser.

2,250,367
UNWINDING MACHINE
Herman Walter Gilbert, Kew Gardens, N. Y., assignor to Cutting Room Appliances Corp., New York, N. Y., a corporation of New York
Application October 2, 1940, Serial No. 359,352
14 Claims. (Cl. 242—68)



1. An unwinding machine, comprising a pair of spaced side supports for resting on a counter, table or the like and having semi-annular top edges, tubes mounted between said side supports for holding them fixedly relative to each other, end wall members extending forwards and rearwards and disposed outwards of the outer faces of said side supports, connector rods mounted on said end wall members and slidably engaging in said tubes for movably connecting the end wall members with said side supports, a U-shaped element centrally on the top of one of said end wall members, a U-shaped member centrally and swivelly mounted on the top of the other of said end wall members, and a rod for supporting a roll of cloth rested across said U-shaped parts.

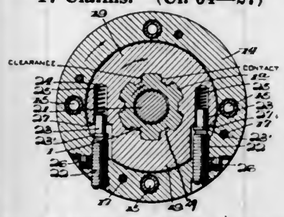
2,250,368
TUBE CLEANER MOTOR
Paul E. Good, Riverton, N. J.
Application August 11, 1938, Serial No. 224,395
27 Claims. (Cl. 121—87)



10. In a rotary motor or the like, relatively rotatable cylinder and shaft elements, the outer element comprising the cylinder and being provided on its inner surface with a circumferential series of spiral grooves, means to introduce fluid pressure to said grooves and exhaust fluid pressure therefrom, the shaft fitting within the cylinder, rotatable pistons carried by said shaft and having lobes meshing with said grooves and blocking said grooves from end to end during their passage therethrough, the shaft having a slot in which the body portions of the pistons are disposed, said pistons being of a size such that they may be completely withdrawn within the slot of the shaft, and means in said slot for holding the pistons in extended position.

18. In a rotary motor or the like, relatively rotatable cylinder and shaft elements, the shaft elements being two in number, said cylinder having in its surface a plurality of circumferential series of spiral grooves and said shafts mounting rotatable pistons for each groove series having lobes blocking said grooves from end to end as the elements are relatively rotated, each of said shafts comprising a body portion having intermediate its ends a series of grooves comprising supply grooves and exhaust grooves and further having a slot mounting said pistons, and sleeve means sealingly engaged with the ends of the body portion and the surface of the body portion between said grooves and between said grooves and slots, said sleeve means having slots for the passage of the lobes of said pistons and having ports formed therein, the ports of the sleeve means of one shaft comprising supply ports for the delivery of pressure to the grooves of the cylinder from the supply grooves of the shaft and exhaust ports communicating with the grooves of the cylinder for the exhaust of pressure fluid from the grooves of the cylinder to the exhaust grooves of the shaft, the sleeve means of the other shaft having slots for the passage of the lobes of said pistons and supply ports for the delivery of pressure to the grooves of one of the groove series of the cylinder communicating with said supply grooves, ports communicating with the grooves of said series for the exhaust of pressure fluid from the grooves thereof to the remaining groove series of the cylinder and exhaust ports for conducting fluid from the grooves of said remaining groove series of the cylinder, said shafts being interchangeable and interchanging thereof converting the motor from simple to compound.

2,250,369
ANTIBACKLASH MECHANISM FOR ROTARY CUTTER SPINDLES OF MACHINE TOOLS
George Gorton, Racine, Wis., assignor, by mesne assignments, to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Application November 30, 1939, Serial No. 306,994
17 Claims. (Cl. 64—27)

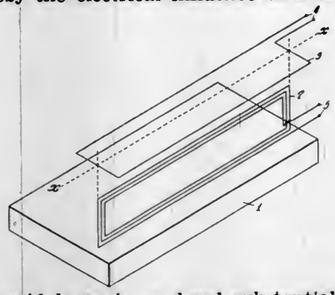


1. In an organization that includes a rotary cutter spindle and a rotary spindle-driving member loosely keyed thereto for relative longitudinal movements; anti-backlash mechanism that includes a holdback device rotating with said member and angularly relatively movable forwardly and backwardly with respect thereto, said device being loosely keyed to said spindle to normally relatively hold back the rotating spindle in driven relation to the advancing driving member; and abutment means operatively extending from said member to said device for limiting the relative angular forward movements of said device with respect to said rotating member, said abutment means including an abutment moving with said driving member and a complementary abutment carried by said device, one of said abutments being settable with respect to the other abutment to vary and predetermine said limit of relative forard movement of said device.

2,250,370
ALL-WAVE LOOP RECEIVER
David Grimes, Beverly. N. J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 3, 1939, Serial No. 277,276
12 Claims. (Cl. 250—20)

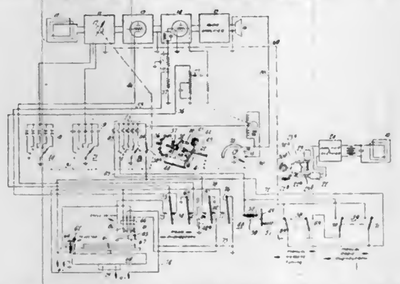
1. In a multi-band radio receiver, a receiver

chassis, a long wave loop antenna disposed in a vertical plane near the rear of said chassis, a short wave loop antenna disposed in a horizontal plane near the upper part of said long wave antenna and spaced from said chassis, whereby the electrical influence of said chassis



upon said loops is rendered substantially ineffective, and the loops are arranged for optimum reception in their respective frequency bands with minimum coupling between them, and means for selectively connecting said antennas to the receiver.

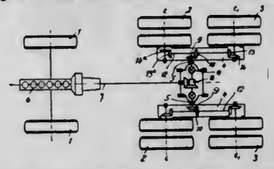
2,250,371
WIRELESS REMOTE CONTROL SYSTEM FOR RADIO-PHONOGRAPH COMBINATIONS
David Grimes, Meadowbrook, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 3, 1940, Serial No. 312,269
19 Claims. (Cl. 179—100.11)



1. In a remote control system for a phonograph, a self-starting phonograph, an audio amplifier and sound reproducer operatively associated with said phonograph, volume control means associated with said amplifier, means for generating a control signal comprising short impulses, means for generating another control signal including a prolonged impulse of controllable duration, means responsive to said first control signal for operating said phonograph, and means responsive to said last control signal for operating said volume control means.

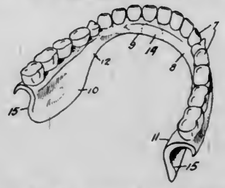
2,250,372
DRIVE OF MOTOR VEHICLES
Oskar Hacker, Steyr, Germany, assignor to the firm Steyr-Daimler-Puch A. G., Steyr, Austria
Application April 30, 1938, Serial No. 205,343
In Austria May 15, 1937
1 Claim. (Cl. 180—22)

In a motor vehicle, rear drive wheels arranged one behind the other in pairs on each side especially of six wheel motor vehicles, a carrier for each pair of wheels, means mounting each carrier to swing about an axis located between the wheels, a longitudinal shaft in each carrier forming a driving connection between the related pair of wheels, a drive shaft for each pair of wheels disposed substantially coaxial with the swinging axis, and an independent bevel gear drive for the wheels at each side of the vehicle and connecting the longitudinal and drive shafts each carrier being movable about said axis independently of the carrier at the other side of



the vehicle and the distance between the swinging axis and the axis of rotation of the foremost rear wheel of each pair in the direction of travel being less than the distance between the swinging axis and the axis of rotation of the rearmost rear wheel whereby lifting of the foremost rear wheel in the direction of travel effected by the bevel gear drive is avoided by the greater load of the foremost rear wheel, so that substantially the same tractive effort is exerted by all of the rear wheels.

2,250,373
DENTAL PLATE
Royal S. Hagerman, Vilas, Colo.
Application February 23, 1940, Serial No. 320,505
7 Claims. (Cl. 32—2)

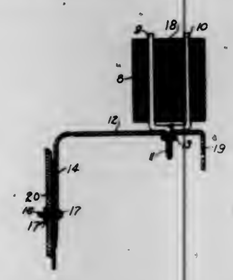


5. An artificial dental construction comprising dentures and a supporting base for the dentures, the supporting base consisting of unistructure, non-yielding and yielding material molded to fit the surface of the gums, the base comprising a front portion and two side portions extending rearwardly therefrom on both sides of the jaw, each with an overlapping area alongside the jaw bone, the base being molded to space the side portions a different distance apart than the spacing between side portions of the jaw bone of the wearer, a spring member embedded in the material of the base and extending into both the yielding and non-yielding material to supply resilience to the yielding material tending to maintain the base to the shape to which it is molded to press the side portions laterally with overlapping areas urged toward the side surfaces of the jaw bone when the base is distorted from the shape to which it is molded to the position it occupies in the mouth.

2,250,374
OIL WIPER
Russell M. Hays, Hagerstown, Ind.
Application August 14, 1940, Serial No. 352,543
2 Claims. (Cl. 15—210)

1. In an oil stick wiper having a bracket support comprising a horizontal member and means for attachment of the horizontal member to a

motor car, a wiper of sponge rubber formed with a pair of spaced apart parallel holes and slotted between the holes, in combination with a U-shaped connector, the parallel legs of which are



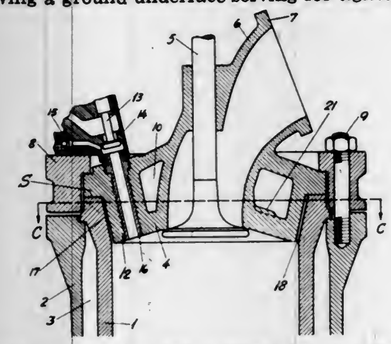
inserted in and freely removable from corresponding holes in the wiper, and means for attaching the connector to the horizontal member.

2,250,375
MANUFACTURE AND PRODUCTION OF ARTIFICIAL THREADS, FILAMENTS, FILMS, AND THE LIKE
Horace James Hegan, Coventry, England, assignor to Courtaulds, Limited, London, England, a British company
No Drawing. Application March 31, 1938, Serial No. 199,281. In Great Britain April 27, 1937
3 Claims. (Cl. 18—54)

3. In a process for the manufacture and production of threads by extruding an alkaline solution of cellulose xanthate and casein into a lukewarm dilute acid coagulant, thereby forming threads, and wherein the reconversion of the cellulose xanthate to cellulose hydrate is incomplete when the threads are finished by the normal liquid treating processes generally used for viscose threads and comprising washing free of acid, desulphurizing, acidifying and neutralizing, and the so-formed threads contain considerable proportions of undecomposed sulphur compounds, the improvement which comprises immersing the so-formed neutralized threads in an aqueous liquid at or near the boiling point thereof, said liquid being selected from the group consisting of water and dilute aqueous solutions of acetic and tartaric acids, and thereafter washing and drying the threads.

2,250,376
CYLINDER CONSTRUCTION FOR INTERNAL COMBUSTION ENGINES
Torkild Valdemar Hemmingsen, Copenhagen, Denmark
Application February 23, 1939, Serial No. 258,029
In Denmark October 19, 1937
5 Claims. (Cl. 123—173)

1. In a cylinder construction for internal combustion engines, an exhaust valve housing having a passage for the exhaust gases, an exhaust valve located centrally in said housing for controlling the mouth of said passage, cooling spaces formed in the housing and situated circumferentially entirely around the lower part of said passage, said housing being externally conically shaped as a conical plug and being adapted for insertion with a small play into a correspondingly shaped upper part of a combustion cylinder so as to constitute cover for the cylinder, said housing being further provided with an outwardly extending flange having a ground underface serving for tightening

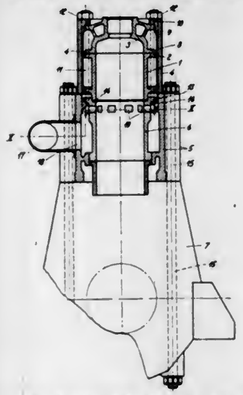


against a corresponding ground face on the top of the cylinder.

2,250,377
WATERPROOFING TREATMENT OF TEXTILE MATERIALS
Eric Berkeley Higgins, Punchetts, Tewin Wood, England
No Drawing. Application February 1, 1938, Serial No. 188,188. In Great Britain February 6, 1937
25 Claims. (Cl. 91—70)

1. The process for the treatment of textile materials which consists in impregnating the textile material with a solution containing a member of the group consisting of albumen and globulin, coagulating said member by the action of moist heat and treating the textile material with a hot aqueous solution of soap containing free higher fatty acid.

2,250,378
CYLINDER CONSTRUCTION FOR INTERNAL COMBUSTION ENGINES
Adolf Houmoller, Charlottenlund, near Copenhagen, Denmark
Application February 10, 1939, Serial No. 255,744
In Denmark December 17, 1938
6 Claims. (Cl. 123—173)

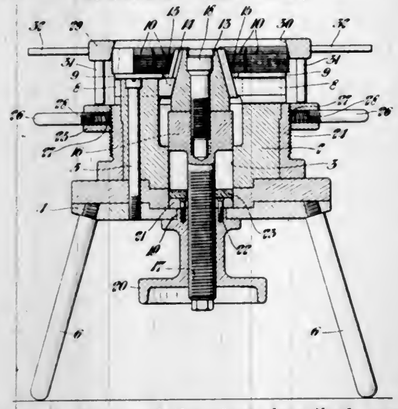


1. A cylinder construction for single-acting internal combustion engines comprising an outer frame construction and a cylinder liner, said liner being divided into upper and lower parts, the upper liner part being carried at its top in the outer frame construction of the engine and having free heat expansion downwardly, and the lower liner part placed below the said upper liner part being likewise carried at its top in the outer frame construction of the engine and having free heat expansion downwardly.

2,250,379
CLEANING COMPOSITION AND PROCESS FOR THE PREPARATION THEREOF
Carl Johnson. Maplewood, N. J.
No Drawing. Application March 17, 1938, Serial No. 196,543
10 Claims. (Cl. 252—142)

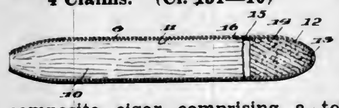
1. A cleaning composition in the form of a substantially dry product capable of releasing a substantial quantity of available hydrogen chloride when admixed with water, comprising the reaction product of urea sulfate and a sufficient quantity of a water-soluble metallic chloride to form urea chloride and the sulfate of the cation of such reactant chloride with said urea sulfate.

2,250,380
DEVICE FOR LAPPING TAP CHASERS
Harry M. Johnston, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application October 19, 1939, Serial No. 300,245
13 Claims. (Cl. 51—73)



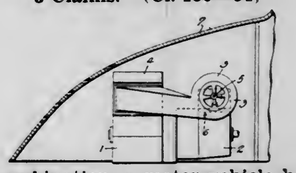
11. In a device of the class described, means for holding in circular arrangement a plurality of tap chasers to be lapped, means for adjusting the position of said tap chasers radially thereon, a rotatable thread-lapping means, said thread-lapping means adapted to lap the lead cutting edge of the threads of each of the chasers all at one time upon rotation of said means.

2,250,381
CIGAR
Morris S. Kayner, Santurce, P. R.
Application August 8, 1939, Serial No. 289,056
4 Claims. (Cl. 131—10)



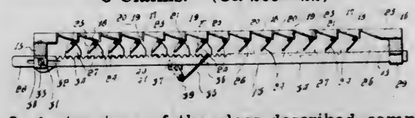
1. A composite cigar comprising a tobacco filler, a binder for said filler, and a mouthpiece provided with a smoke passage and composed of a thin walled shell of resilient material, the free end face of the binder being in abutting relation, end to end, with the free end face of the shell, a second binder entirely surrounding the first binder and shell to secure and seal the bound tobacco filler and shell together, and to impart the appearance and characteristics of a regulation cigar, said second binder provided with a draft opening communicating with the smoke passage in the shell.

2,250,382
MOTOR VEHICLE HAVING AIR-COOLED REAR ENGINE
Milos Klavík, Prague-Smichov, Czechoslovakia
Application July 26, 1939, Serial No. 286,715
In Czechoslovakia April 9, 1938
3 Claims. (Cl. 180—54)



1. In combination, a motor vehicle having an engine at the back, said engine comprising cylinders disposed in V-arrangement, a gear box, a common transverse shaft, and another continuously driven shaft of the gear box connected to drive said common transverse shaft, and a blower or impeller for each series of cylinders built into the sides of the gear box and driven by the common transverse shaft from the continuously driven shaft.

2,250,383
AIR CONTROLLED SIEVE FOR THRESHING MACHINES
Henry D. Koester, New Holland, Ill.
Application October 12, 1939, Serial No. 299,192
3 Claims. (Cl. 209—22)



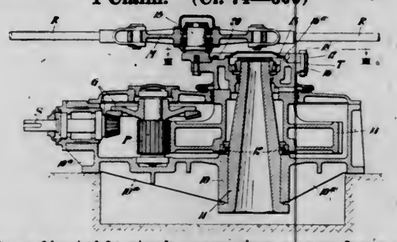
3. A structure of the class described comprising a perforated sieve body having ribs, said perforations being relatively large and arranged in rows extending laterally of the sieve, shields depending from the sieve body to modify the effect of air blasts delivered from below through the perforations of the sieve, one of said shields being arranged beneath each row of perforations, means operable to vary the angle of one group of said shields for said modifying effect, and means operable to vary the angle of the remainder of said shields independently of the first mentioned means according to different air current requirements for grain on the sieve body.

2,250,384
LUBRICANT
Bert H. Lincoln and Waldo L. Steiner, Ponca City, and Alfred Henriksen, deceased, late of Ponca City, Okla., by John W. Wolfe, administrator, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application October 18, 1939, Serial No. 300,070
12 Claims. (Cl. 252—54)

1. A lubricating composition comprising a ma-

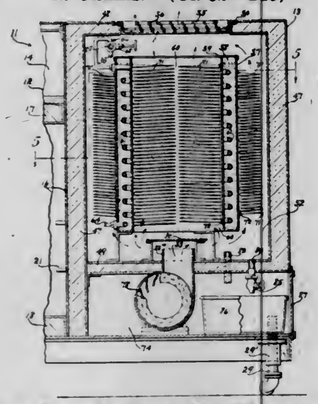
jor proportion of lubricating oil and a minor amount of a halogen bearing derivative of catechol the hydroxyl groups of the catechol nucleus being unblocked.

2,250,385
ADJUSTABLE STROKE PUMPING POWER
August R. Maier, Dallas, Tex., assignor to Oil Well Supply Company, a corporation of New Jersey
Application January 16, 1940, Serial No. 314,166
1 Claim. (Cl. 74—600)



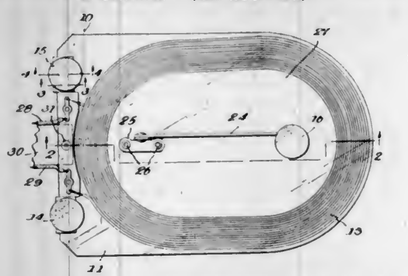
An adjustable stroke pumping power for a plurality of wells including a base, a stationary vertical spindle mounted on the base, an annular horizontal supporting member rotatably mounted on the spindle, means for rotating said member, an annular horizontal crank member supported by the supporting member, a vertical crank pin secured to the crank member for driving connection with the plurality of wells, said supporting member having an upwardly extending annular journal disposed eccentrically with respect to the axis of the spindle and said crank member having a complemental annular recess on the under side thereof for rotatably engaging the journal, whereby the throw of the crank pin about the spindle may be varied by rotating the supporting member, said annular members having equally spaced bolt openings about their peripheral portions, and bolts in said openings for securing said members together.

2,250,386
COMBINATION REFRIGERATOR AND AIR CONDITIONER
Pietro Maniscalco, Chicago, Ill.
Application November 1, 1940, Serial No. 363,889
12 Claims. (Cl. 62—140)



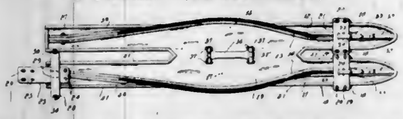
2. In a domestic type of refrigerator including a cabinet having a storage compartment with cooling means therein and having an operating unit to actuate said cooling means, an air conditioner comprising an insulated chamber in said cabinet provided with air inlet and outlet means therein, a doubled-walled jacket in said chamber providing a liquid containing space within its walls and providing an air channel centrally therethrough, refrigerant conducting means associated with said jacket to chill the liquid therein and being operable by said operating unit, means to force the air thru said channel and conditioner, and means operable for operating the refrigerator cooling means either alone or in conjunction with said chilling means in the conditioner.

2,250,387
RADIO APPARATUS
Eugene F. McDonald, Jr., Chicago, Ill.
Application October 6, 1939, Serial No. 298,302
4 Claims. (Cl. 250—14)



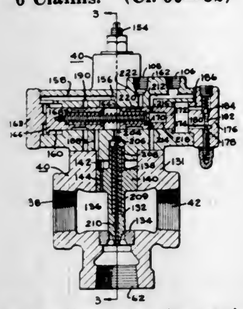
3. In a loop antenna for enhancing radio reception of a radio set positioned within a shielding structure having an opening therein including a flexible connecting element for connecting said antenna to said set, and means carried by said antenna for quickly attachably and detachably securing said antenna to a supporting surface apart from said set and adjacent said opening in any one of a plurality of positions, the improvement, which comprises, a relatively thin flat supporting structure of insulating material having a substantial area, conductors forming a loop supported by said structure adjacent the periphery of said structure, said supporting structure providing a window of substantial area through the center of said loop substantially coextensive with the opening through said loop.

2,250,388
SKI CASE
Orville C. Mickelberg, La Crosse, Wis.
Application March 7, 1940, Serial No. 322,818
9 Claims. (Cl. 280—11.37)



1. A case of the class described comprising connected compartments for containing a pair of skis, said compartments having longitudinal openings, adjacent their forward ends, provided with closure fasteners, for the insertion and removal of the skis, fastening means for securing the bottoms of said compartments in abutting relationship adjacent their ends, and a handle loosely attached to the case and adapted to be detachably connected to a pair of skis disposed therein.

2,250,389
POWER TRANSMISSION
Raymond S. Miller, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application February 19, 1940, Serial No. 319,600
6 Claims. (Cl. 60—52)



2. In a hydraulic power transmission system for operating a press or the like the combination of a hydraulic motor, pump means for supplying fluid under pressure to operate the motor, directional control means for directing the pump delivery to operate the motor in an advancing or in a returning direction, means, normally ineffective, for limiting the pressure in the motor advancing conduit to a predetermined low value, means operated when the pressure in the motor advancing conduit reaches a predetermined high value for rendering the pressure limiting means effective, and time delay means started concurrently with operation of the last-named means for shifting the directional control means to return the motor.

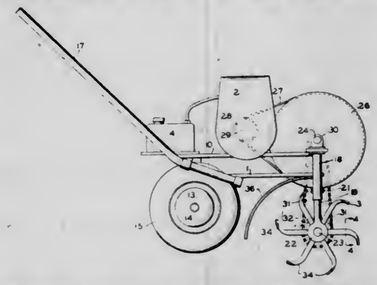
6. A two-pressure relief valve and pilot controlling valve comprising in combination a pilot-controlled main relief valve, a first pilot relief valve and a second pilot relief valve arranged to open the main relief valve at a predetermined low pressure, means normally rendering the second pilot relief valve ineffective and responsive to opening of the first pilot valve for rendering the second pilot valve effective, a pilot valve, and means responsive to opening of the first relief valve for shifting the pilot valve after a predetermined time interval.

2,250,390
COLLOIDAL SILVER IODIDE COMPOSITION
Michael G. Minaeff, Metuchen, John P. Greze, Dunellen, and Rudolf J. Priepke, New Brunswick, N. J., assignors to A. C. Barnes Company, Inc., New Brunswick, N. J., a corporation of Delaware
No Drawing. Original application December 10, 1938, Serial No. 244,920. Divided and this application November 26, 1940, Serial No. 367,216
1 Claim. (Cl. 252—317)

A substantially dry composition easily soluble in water containing colloidal silver iodide and a colloidal zinc compound.

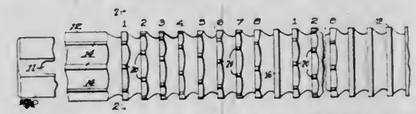
2,250,391
GROUND TILLING IMPLEMENT
Howard C. Ober, East Cleveland, Ohio
Application March 14, 1939, Serial No. 261,718
2 Claims. (Cl. 97—40)

1. In a ground tilting implement, a rotary tilling tool comprising a hub-like mounting having a series of generally radially extending teeth each hook-shaped at its free end, which teeth are offset from others along and about the mounting, the teeth, or part of them, having shank portions intermediate of the mounting and free ends, which shank portions are of elongated cross section and with a cutting edge directed



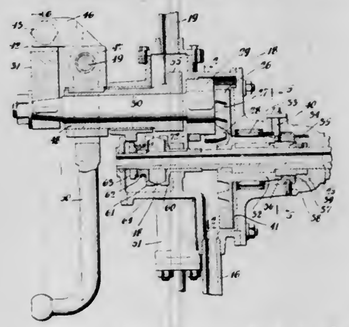
in skewed relationship to the plane of rotation, and the teeth at one side of the lateral midportion of the tool being skewed in a direction opposite from the teeth at the other side of said midportion.

2,250,392
BROACH
Wilrose J. Phaneuf, Hudson, Mass., assignor to The Lapointe Machine Tool Company, Hudson, Mass., a corporation of Maine
Application October 5, 1939, Serial No. 298,143
2 Claims. (Cl. 29—95.1)



1. A broach comprising a series of polyangular cutting sections, each having the same number of similarly spaced cutting teeth, said sections being so disposed angularly that the teeth of each section of said series are out of axial alignment with the teeth in all other sections of said series, the teeth of each of the cutting sections after the first being so located with reference to teeth of the adjacent sections as to cut midway of the nearest adjacent cuts on each side, made by preceding cutters of the series.

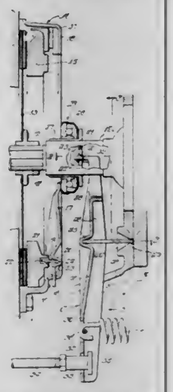
2,250,393
CONTROL MECHANISM
Kosta Paul Rado, Englewood, N. J.
Application October 16, 1937, Serial No. 169,377
18 Claims. (Cl. 180—79.2)



1. A control apparatus including a shaft, a

sleeve encircling said shaft and rotatable with respect thereto, lost motion means for coupling said sleeve and shaft, a member to be moved and connected to said sleeve and shaft, manually operable means for moving said shaft, a motor coupled to said sleeve, a control shaft, means for coupling said control shaft to said manually operable means, and a slip clutch structure coupled to said latter shaft and to said motor for governing the operations of the latter.

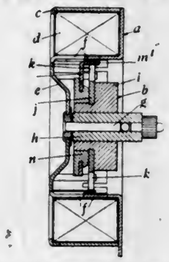
2,250,394
FRICTION CLUTCH
Harold V. Reed, Chicago, Ill., assignor to Borg Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 11, 1939, Serial No. 298,869
7 Claims. (Cl. 192—99)



7. In a device including a frame part and driving and driven members, means for establishing a driving connection between said members, comprising a friction clutch, a collar having thrust transmitting engagement with movable parts of said clutch, and an operating lever for transmitting movement to said collar, said lever having an end region formed with a transverse edge in abutting thrust transmitting contact with a radial face of said collar, and a fulcrum strut interposed between said operating lever and said frame parts, in pivotal association with each on axes parallel to said edge, whereby said strut may tilt as the lever fulcrums thereon so as to allow said edge to maintain an axis of pressure transmitting association with said collar that is substantially fixed relative to the collar.

2,250,395
SYNCHRONOUS ELECTRIC MOTOR
Victor James Samuel Russell, Cricklewood, London, England, assignor to S. Smith & Sons (Motor Accessories) Limited, Cricklewood, London, England
Application May 18, 1940, Serial No. 336,048
In Great Britain May 10, 1939
3 Claims. (Cl. 172—275)

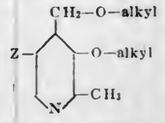
1. A small synchronous electric motor comprising the combination of an annular wound stator, a multi-polar magnet rotor mounted within the stator, at least one oscillatory arm mounted on the rotor, and a rubber bush forming a resilient connection between the arm and rotor, the said arm having a magnetic outer end piece situated in the vicinity of a space between the rotor poles, and being so mounted that its centre of oscillation is situated coincidently with the rotor axis so that the said arm can oscillate without the said end piece coming into contact with the inner periphery of the stator.



2,250,396
VITAMIN B_6 INTERMEDIATES
Walter Salzer, Wuppertal-Elberfeld, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 3, 1940, Serial No. 317,117. In Germany February 25, 1939
7 Claims. (Cl. 260—297)

1. The process which comprises reacting upon a 3-alkoxy-quinaldine-4-carboxylic acid derivative of the group consisting of carboxylic acid halide and ester derivatives with ammonia to form the 3-alkoxy-quinaldine-4-carboxylic acid amide, converting the latter into the corresponding 4-nitrile by the action of a dehydrating agent, transforming the 4-nitrile into a 3-alkoxy-4-aminomethyl-quinaldine by the action of a hydrogenating agent, acting upon the 4-aminomethyl compound with nitrous acid, etherifying the hydroxyl group of the 3-alkoxy-4-hydroxymethyl-quinaldine formed in the customary manner, nitrating the 3-alkoxy-4-alkoxymethyl-quinaldine by treatment with nitric acid, reducing the nitro compound obtained to the corresponding amino compound by the action of a reducing agent, converting the amino compound by the action of an oxidizing agent into a 2-methyl-3-alkoxy-4-alkoxymethyl-pyridine-5,6-dicarboxylic acid, splitting off the carboxylic group in 6-position by heat treatment, transforming the 5-carboxylic group into the 5-carboxylic acid halide group in the manner known per se, acting upon the 2-methyl-3-alkoxy-4-alkoxymethyl-pyridine-5-carboxylic acid halide with ammonia and converting the 2-methyl-3-alkoxy-4-alkoxymethyl-pyridine-5-carboxylic acid amide into a 2-methyl-3-alkoxy-4-alkoxymethyl-pyridine-5-nitrile by the action of a dehydrating agent.

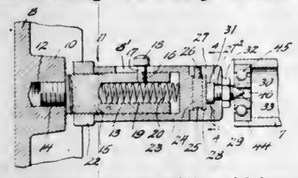
3. A compound of the formula



wherein Z stands for a substituent of the group consisting of carboxylic, carboxylic acid halide, carboxylic acid amide and nitrile groups.

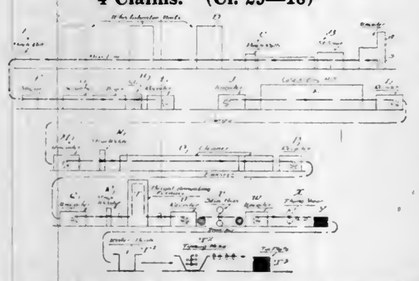
2,250,397
TYPE INKING ROLLER AND MOUNTING
Julius Schmutz, Louisville, Ky.
Application May 26, 1938, Serial No. 210,210
11 Claims. (Cl. 308—58)

2. A mounting for form rollers comprising a pair of spaced center bearings, a form roller rotatably supported by said bearings and having a normal axis of rotation, means for automatically seating the bearings with respect to the roller,



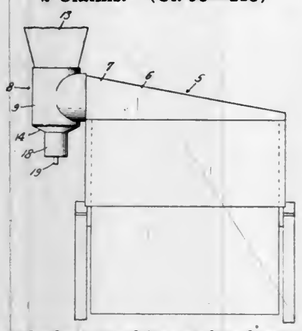
and means in connection with said bearings for adjusting the bearings radially and effecting adjustment of the radial setting circumferentially with respect to the normal axis of rotation of the roller.

2,250,398
METHOD AND APPARATUS FOR MAKING COATED METAL
Matthew Schon, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application June 28, 1937, Serial No. 150,858
4 Claims. (Cl. 29—18)



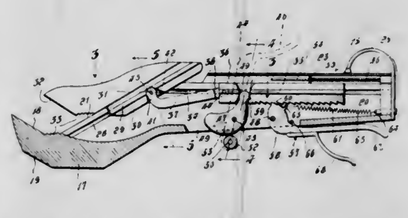
4. The process of preparing continuous lengths of bright annealed strip steel which comprises reducing the gauge of the metal by cold-rolling a continuous length of strip steel, coiling the cold-rolled steel, annealing the strip steel under conditions to produce a bright anneal while preserving the bright hard polished surfaces of the strip, coiling the strip from the annealing furnace, giving the strip a skin pass, coiling the strip and then continuously tinning the uncut strip.

2,250,399
SLASHER MACHINE EXHAUST
Curtis Sims, West Point, Ga.
Application December 22, 1939, Serial No. 310,647
2 Claims. (Cl. 98—115)



1. In a slasher machine, a hood, an exhausting unit at one end of the hood, said unit consisting of a vertically disposed cylindrical shell having an inlet at one side portion, suction means at the top of the shell, a funnel-like bottom structure, a receptacle detachably connected to the funnel-like structure, a handle on the bottom of the receptacle for facilitating the detaching of the receptacle from the funnel-like structure.

2,250,400
WRENCH
Paul M. Stephens, Ashland, Mo.
Application April 27, 1939, Serial No. 270,342
6 Claims. (Cl. 81—86)



1. In a wrench, an elongated recessed handle having an offset enlargement at one end thereof forming a stationary jaw, the face of said jaw being disposed at an oblique angle relatively to the longitudinal axis of said handle, said handle having an obliquely disposed opening at its forward end, a movable jaw slidably mounted in said opening for coacting with said fixed jaw, a trigger member pivotally connected to said handle and disposed on the outer side thereof, means connecting said trigger member and said movable jaw for opening the movable jaw when the trigger member is retracted, said means including a rack bar, guide means for slidably mounting said rack bar in said handle, a link pivotally connected to said rack bar and to the movable jaw, a cam member, pivotally mounted intermediate of its ends in said handle, having one end connected to said rack bar, the opposite end of said cam member being provided with a rounded cam portion for engaging a portion of said trigger for retracting the rack bar when the trigger is retracted to open said movable jaw.

2,250,401
WALL OR PARTITION CONSTRUCTION
Louis F. Sylvester, Teaneck, N. J., assignor of one-half to Max Platt, Bayonne, N. J.
Application October 7, 1939, Serial No. 298,480
5 Claims. (Cl. 72—46)

1. In a wall construction, a plurality of spaced vertically disposed studs; a floor channel provided with spaced upstanding marginal flanges for receiving the lower ends of said studs; wash plates extending along opposite sides of said studs and channel, each of said wash plates including a substantially vertical central portion having an inturned flange at each of its upper and lower edges, the inner edges of the inturned flanges at the upper edges of said wash plates bearing directly against opposite sides of said studs, and the lower inturned flanges of said wash plates terminating in downwardly directed flanges bearing directly against opposite sides of said studs and being disposed within said floor channel between the inner surfaces of the upstanding marginal flanges of the floor channel and the outer sides of said studs so as to prevent

displacement of the lower edges of the plates; and clamping means for maintaining the upper



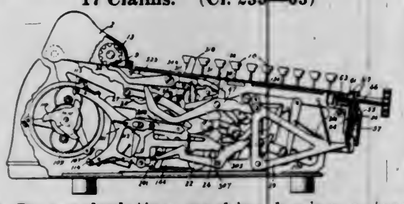
flanges of said wash plates against the opposite sides of the studs.

2,250,402
GUITAR
Thomas E. Towell, Hot Springs, Ark.
Application August 26, 1940, Serial No. 354,261
9 Claims. (Cl. 84—263)



1. An attachment for stringed musical instruments of a type including a shell having a tone hole over which the strings are supported, said attachment comprising a frame for an auxiliary group of strings, said frame projecting from the tone hole and adapted for supporting said auxiliary strings in a position to be played immediately above the main strings.

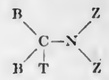
2,250,403
DIVISION STOP MECHANISM FOR CALCULATORS
George C. Chase, South Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application August 17, 1927, Serial No. 213,637
17 Claims. (Cl. 235—63)



1. In a calculating machine having a transversely shiftable carriage, numeral wheels thereon, differential value actuators for said numeral wheels, and selecting mechanism, means for dividing an amount registered upon said numeral wheels by an amount set up in said selecting mechanism and for automatically registering a plural figure quotient, including a member settable to initiate the operation, carriage shifting devices, means for stopping the actuators in full cycle position upon completion of an initiated quotient figure registration following retraction of the settable member, and means for retracting said member during the operative cycle of the actuators.

2,250,404
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1940, Serial No. 342,714
12 Claims. (Cl. 252—342)

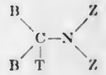
1. A process for resolving petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a product of the kind derivable by an acylation reaction between: first, an acidic fractional ester derived from a ricinoleic acid body and a polybasic carboxy acid; said ester being characterized by the presence of at least one free carboxyl radical attached to a polybasic acid residue; and second, an acylation-reactive amine of the type:



in which B is selected from the class consisting of hydroxy hydrocarbon radicals, ether-type oxyhydrocarbon radicals, and hydroxylated ether-type oxyhydrocarbon radicals; T is selected from the class consisting of hydrogen atoms, alkyl radicals, and radicals of the kind exemplified by B; and Z represents a member of the class consisting of hydrogen atoms, hydrocarbon radicals, and oxyhydrocarbon radicals; said product being further characterized by the fact that acylation must involve a polybasic acid carboxyl radical and the selected aforementioned amine.

2,250,405
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1940, Serial No. 342,718
6 Claims. (Cl. 252—344)

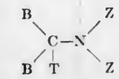
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a product of the kind derivable by an acylation reaction between: first, a ricinoleic acid body; and second, an acylation-reactive amine of the type:



in which B is selected from the class consisting of hydroxy hydrocarbon radicals, ether-type oxyhydrocarbon radicals, and hydroxylated ether-type oxyhydrocarbon radicals; T is selected from the class consisting of hydrogen atoms, alkyl radicals, and radicals of the kind exemplified by B; and Z represents a member of the class consisting of hydrogen atoms, hydrocarbon radicals, oxyhydrocarbon radicals, and radicals derived by removal of an alpha hydrogen atom from a carboxy acid ester.

2,250,406
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1940, Serial No. 342,719
11 Claims. (Cl. 252—342)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a product of the kind derivable by an acylation reaction between: first, a polybasic carboxy acid; and second, the product of an acylation reaction between a ricinoleic acid body and an acylation reactive amine of the type:



in which B is selected from the class consisting of hydroxy hydrocarbon radicals, ether-type oxyhydrocarbon radicals, and hydroxylated ether-type oxyhydrocarbon radicals; T is selected from the class consisting of hydrogen atoms, alkyl radicals, and radicals of the kind exemplified by B; and Z represents a member of the class consisting of hydrogen atoms, hydrocarbon radicals, oxyhydrocarbon radicals, and radicals derived by removal of an alpha hydrogen atom from a carboxy acid ester.

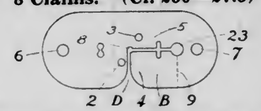
2,250,407
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1940, Serial No. 342,730
9 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier comprising an esterification product derived by introducing at least one acyl radical as a substituent for a hydrogen atom of a hydroxylated tertiary methylene diamine; said acyl radical being derived from a high molecular weight carboxy acid.

2,250,408
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1940, Serial No. 342,731
6 Claims. (Cl. 252—344)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising an acylated azolidine, characterized by the fact that at least one acyl radical is obtained from a high molecular weight carboxy acid.

2,250,409
CATHODE LOCATING AND ANCHORING MEANS FOR DISCHARGE TUBES OR THE LIKE
Walter L. Krahl, Swampscott, Mass., assignor to Hygrade Sylvania Corporation, Emporium, Pa., a corporation of Massachusetts
Application March 29, 1940, Serial No. 326,571
8 Claims. (Cl. 250—27.5)

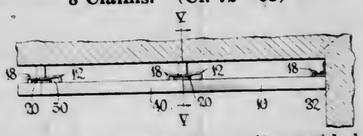


1. A spacer device comprising a substantially planar insulator member having a slot in one edge terminating in a hole to receive an element to be electrically spaced from another element, said slot dividing said member into at least one tongue portion which is deflectable out of the plane of the member.

2,250,410
CATALYTIC TREATMENT OF HYDROCARBONS
Adrianus Johannes van Peski, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 28, 1939, Serial No. 270,655. In the Netherlands May 21, 1938
3 Claims. (Cl. 260—676)

1. A process for the conversion of normal hexane to isoparaffin hydrocarbons which comprises contacting normal hexane in the liquid phase with an aluminum chloride catalyst at a temperature of from 20° C. to 150° C. for a time not exceeding 17 hours under a pressure of hydrogen chloride equivalent to from three to twenty atmospheres when measured at 20° C.

2,250,411
STRUCTURAL UNIT
Franklin S. Baker, Buffalo, N. Y.; Ruth Marion Baker administratrix of said Franklin S. Baker, deceased
Application May 10, 1939, Serial No. 272,873
8 Claims. (Cl. 72—68)

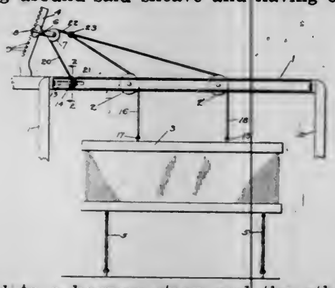


8. A building construction unit provided with hook devices having body portions inclined relative to the major plane of said unit and extending towards opposite ends thereof and terminating in free end bearing portions for bearing upon plate-like unit supporting devices, said body portions being so elongated as to allow sidewise shifting of said unit relative to said plate-like devices without disengagement therefrom for successive engagement of said hook devices upon said plate-like devices in connection with the process of mounting said unit thereon.

2,250,412
HARNESS MOTION
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application May 22, 1940, Serial No. 336,614
8 Claims. (Cl. 139—84)

8. A device for selectively varying the amount

of movement transmitted from a dobby jack to a harness frame comprising a dobby jack, a sheave adjustably connected thereto, a strap passing around said sheave and having one end



secured to a harness strap and the other end secured to means adjustably attached to a loom frame and adapted to permit the angle included between the portions of the strap extending from the sheave to be selectively varied.

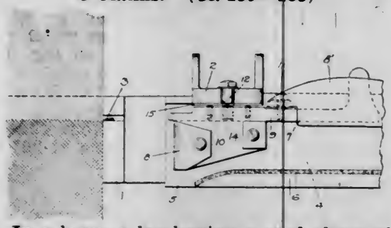
2,250,413

ADJUSTABLE BACK BOX PLATE

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application December 12, 1940, Serial No. 369,851

6 Claims. (Cl. 139—183)



1. In a loom, a lay having a reed along which a shuttle may run, a shuttle guiding member independent of the reed supported by said lay, a member for supporting said lay and to which said first named member is adjustably attached, a plurality of screws carried by one of said members, said screws extending and movable transversely of the reed to position said shuttle guiding member relatively to the reed, a plate positioned between said members and against which the points of said screws bear, and fastening means extending through one of said members and said plate, said plate being rotatable about said fastening means to bring new bearing surfaces into contact with said points of said screws, said fastening means being threaded into the other of said members for moving said guiding member transversely of the lay and for locking said members together.

2,250,414

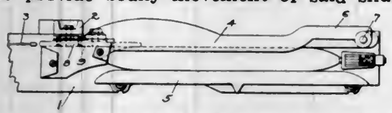
SHUTTLE BOX

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application December 16, 1940, Serial No. 370,229

6 Claims. (Cl. 139—183)

1. In a loom, a lay including a reed and a shuttle box having a shuttle guiding member adapted to be aligned with the reed, a sword for supporting said lay and to which said shuttle guiding member is adjustably attached, a plate positioned between said sword and said shuttle guiding member, threaded means adjustably connecting said shuttle guiding member to said plate, said means being so constructed and arranged as to provide bodily movement of said shuttle



guiding member toward and from said plate and tilting movement of said shuttle guiding member about a horizontal axis extending longitudinally of the lay and means for locking said shuttle guiding member in adjusted position.

2,250,415

HYDROCARBON CATALYSIS PROCESS

Robert E. Burk and Everett C. Hughes, Cleveland Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Original application September 1, 1938, Serial No. 228,005. Divided and this application December 9, 1939, Serial No. 308,446

16 Claims. (Cl. 260—668)

5. In a process of aromatizing hydrocarbons, subjecting a naphtha containing non-benzenoid hydrocarbons to a temperature of 375–675° C. and the action of an oxide contact-mass formed from co-precipitation from dissolved salts of chromium and an amphoteric oxide forming element from the group consisting of beryllium and aluminum, and an acid oxide forming element from the group consisting of tin and antimony, such amphoteric oxide forming element and acid oxide forming element in the contact-mass being 50–90 mol per cent and 1–30 mol per cent respectively.

2,250,416

UTILIZATION OF NORMALLY GASEOUS HYDROCARBONS

Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application July 13, 1940, Serial No. 345,363

8 Claims. (Cl. 196—9)

1. A process of aromatizing and reacting forming-aromatics and gaseous hydrocarbons of four carbon atoms and less, which comprises subjecting butane and vaporized naphtha to the action of a gel type contact mass consisting of 18–30 mol per cent of chromic oxide and not less than 70 mol per cent of alumina, at high temperature and about 100 pounds pressure per square inch.

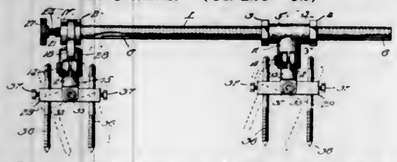
2,250,417

FRACTURE REDUCTION AND RETENTION DEVICE

Joe J. Ettinger, Warsaw, Ind., assignor to Zimmer Manufacturing Company, a corporation of Indiana

Application December 2, 1939, Serial No. 307,192

14 Claims. (Cl. 128—92)



6. In an ambulatory extension and reduction fracture apparatus, a supporting rod adapted to lie parallel to a fractured limb and across the fracture, a pin holding block secured to one end of the rod, a second pin holding block slidably secured on the rod, and means for positively moving said slidably mounted block away from the other block.

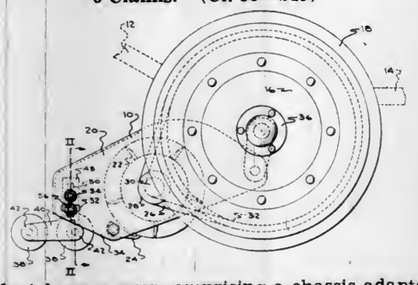
2,250,418

POWER LAWN MOWER

Truman B. Funk, Jackson, Mich., assignor to "Yard-Man," Inc., Jackson, Mich., a corporation of Michigan

Application June 10, 1939, Serial No. 278,391

6 Claims. (Cl. 56—249)



1. A lawn mower comprising a chassis adapted to be moved in cutting travel, cutting means in the middle of the chassis, carrying wheels at one end of the chassis, and a pair of supporting rollers at the opposite end of the chassis spaced apart in the direction of travel and fixedly positioned with the ground engaging portions thereof in a common plane with the ground engaging portion of the carrying wheels.

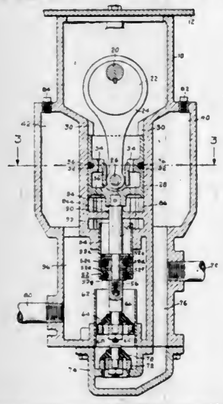
2,250,419

FLUID PUMP

Frank H. Johnston and Arthur E. Du Bois, Dayton, Ohio, assignors to Premier Engineering Company, Dayton, Ohio, a corporation of Ohio

Application August 25, 1939, Serial No. 291,860

12 Claims. (Cl. 103—195)



1. In a power driven shallow well water pump having a cross head, a tubular member provided with a longitudinal bore of varying dimensions forming a pair of aligned cylindrical portions and cross head guide portions, said cross head guide portions being arranged in spaced relation from the cylindrical portions, said tubular member having a pair of duo-functional chambers contiguous to the guide portions, one of which forms an air chamber and the other a vacuum chamber, each partially filled with water at cyclic intervals so as to cool said cross head guide portions, said tubular member being provided with air circulating vents between the cross head guide portions and the adjacent cylindrical portions.

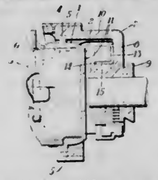
2,250,420

VENTILATED ROTARY HOOK FOR SEWING MACHINES

John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application April 22, 1939, Serial No. 269,357

12 Claims. (Cl. 112—228)



1. The combination with a non-rotary bobbin-thread-case having a peripheral bearing, of a cup-shaped rotary hook having a rim in which the bearing of said bobbin-thread-case is journaled, said hook rim having a plurality of radial supporting arms, there being an air-chamber between the back face of said bobbin-thread-case and the plane of the inner faces of the radial hook rim supporting arms, and a fan in said chamber having a greater number of blades than there are hook-rim-supporting arms.

2,250,421

METHOD OF CATALYTIC SYNTHESIS

Earl W. Riblett, Teaneck, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware

Application May 7, 1938, Serial No. 206,602

15 Claims. (Cl. 260—449)

1. In a method of catalytic synthesis requiring the presence of finely divided metals, the steps of forming the metal carbonyl of the catalyst metal and passing the carbonyl into contact with an inert liquid maintained at temperatures sufficiently high to decompose the metal carbonyl into the metal and carbon monoxide whereby to form a colloidal suspension of the metal in said inert liquid, and conducting the synthesis reaction in the presence of the colloidal suspension of the catalyst thus formed.

2,250,422

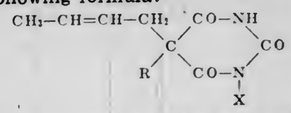
ALKYL-CROTYL BARBITURIC ACIDS AND THEIR SALTS

Horace A. Shonle and Wilbur J. Doran, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis Ind., a corporation of Indiana

No Drawing. Application July 30, 1938, Serial No. 222,148

16 Claims. (Cl. 260—257)

1. A barbituric compound which is represented by the following formula:



in which R represents an alkyl group which con-

tains from 2 to 6 carbon atoms and which has no branching of the carbon chain save when there is in the group one straight chain of at least two carbon atoms extending from the carbon atom at which the branching occurs; and X represents a member of the class consisting of hydrogen, an alkali metal, an equivalent of an alkaline-earth metal, ammonium, mono-alkyl ammonium, di-alkyl ammonium, and alkanol ammonium.

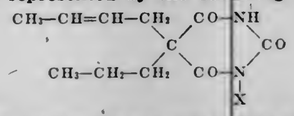
2,250,423
N-PROPYL CROTYL BARBITURIC ACID AND ITS SALTS

Horace A. Shonle and Wilbur J. Doran, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Original application July 30, 1938, Serial No. 222,148. Divided and this application May 19, 1941, Serial No. 394,168

3 Claims. (Cl. 260—25)

1. An n-propyl crotyl barbituric compound which is represented by the following formula:



in which X represents a member of the class consisting of hydrogen, an alkali metal, an equivalent of an alkaline-earth metal, ammonium, monoalkyl ammonium, di-alkyl ammonium, and alkanol ammonium.

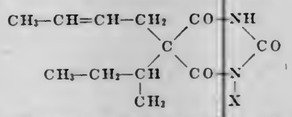
2,250,424
1-METHYL-PROPYL CROTYL BARBITURIC ACID AND ITS SALTS

Horace A. Shonle and Wilbur J. Doran, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Original application July 30, 1938, Serial No. 222,148. Divided and this application May 19, 1941, Serial No. 394,169

3 Claims. (Cl. 260—257)

1. A 1-methyl-propyl crotyl barbituric compound which is represented by the following formula:



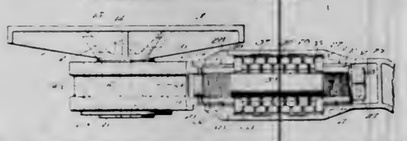
in which X represents a member of the class consisting of hydrogen, an alkali metal, an equivalent of an alkaline-earth metal, ammonium, mono-alkyl ammonium, di-alkyl ammonium, and alkanol ammonium.

2,250,425
DRAWBAR AND ANCHOR THEREFOR

Herbert E. Van Dorn, Chicago, Ill., assignor to The Dornvan Corporation, a corporation of Illinois

Application March 11, 1939, Serial No. 261,259

6 Claims. (Cl. 213—62)



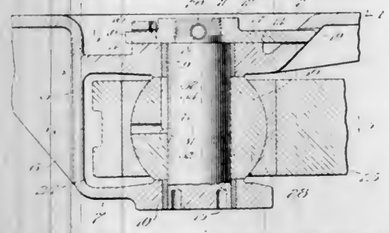
1. In a draft rigging, a horizontal anchor plate having a cylindrical post fixed to and projecting downwardly therefrom, a transverse bearing member having an opening through which the post extends and in which it fits, said bearing member being in the form of a ball flattened at the top and bottom, a ball race fitting around said ball and being shaped externally into a cylinder coaxial with the post, said race being divided into sections along vertical lines, detachable means cooperating with the post and engaging with the bottom face of the ball to support the ball and a drawbar embracing and fitting tightly upon said race.

2,250,426
DRAWBAR ANCHOR

Herbert E. Van Dorn, Chicago, Ill., assignor to The Dornvan Corporation, a corporation of Illinois

Application March 15, 1939, Serial No. 261,899

6 Claims. (Cl. 213—62)



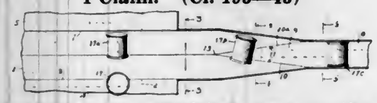
1. In combination, an anchor casting having two members lying one above and spaced apart from the other, a drawbar of a thickness about equal to the distance between said members extending at one end into the space between said members, a headless bolt extending up through said members and through the drawbar, a ball surrounding and keyed to said bolt against relative rotary movements, a socket element divided in a vertical plane having an external cylindrical surface coaxial with the bolt fixed in said drawbar and surrounding said ball, a nut on the upper end of the bolt, and means to anchor the nut to the casting and lock it to the bolt.

2,250,427
CAN ALIGNER

Pilade L. Vannucci, San Jose, Calif.

Application August 28, 1939, Serial No. 292,324

1 Claim. (Cl. 193—43)



An aligner for cylindrical cans or the like, comprising in combination, an inclined trough portion composed of upwardly diverging walls arranged in substantially V-shaped relation to each other, the angle of divergence of said walls being constant throughout the length of said portion, said portion being adapted to rollably transport a can on an inclined axis, a second inclined trough portion having vertical side walls connected by a flat bottom and adapted to rollably transport a can on a horizontal axis, and a connecting trough portion having at its upper end upwardly diverging walls arranged in substantially V-shaped relation to each other and having the same angle of divergence as said walls of said first portion to coincide therewith, said connecting trough portion having at its lower end a flat bottom and vertical side walls coinciding with said bottom and walls of said second portion, said bottom and walls of said connecting trough portion narrowing to points at the upper end of said connecting portion, and said diverging walls maintaining the same angle of divergence throughout their length and narrowing to points

at the lower end of said portion, whereby to progressively bring the can to a horizontal axis as it passes through said connecting portion.

2,250,428
GOLF SHAFT

Norman P. Vickery, Brockton, Mass., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio

Application October 17, 1933, Serial No. 693,935

12 Claims. (Cl. 273—80)



1. A shaft for golf clubs adapted for the placement of a head and a hand grip on its two opposite ends, said shaft having an intermediate portion forming a relatively short portion of its length diametrically constricted on all diameters, to provide a substantially relatively resilient hinge at such portion, the distance in inches of the lower end of such constricted portion from the hand grip end of said shaft being approximately 64 inches, within a range of further permissible variation of minus 8 inches, minus the total length of the shaft in inches, the over all length of said shaft being less than 40 inches.

2,250,429
GOLF CLUB

Norman P. Vickery, Brockton, Mass., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio

Application June 6, 1933, Serial No. 674,530

15 Claims. (Cl. 273—80)



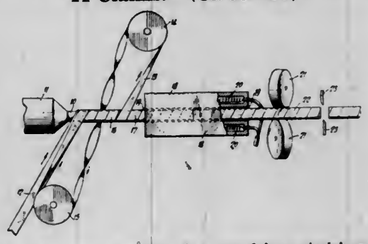
1. A tubular metallic golf club shaft having a grip portion at its upper end and a tip at its lower end, said shaft being of circular cross section throughout and comprising an upper portion and a lower portion, said upper and lower portions being interconnected by a shoulder outwardly protruding from the upper portion and affording the upper terminus for the lower portion, and the lower portion immediately below the shoulder tapering therefrom to a minimum diameter in the tip region, and the minimum diameter of the lower portion being less than the minimum diameter of the upper portion in the region adjacent the shoulder.

2,250,430
PROCESS AND APPARATUS FOR FORMING TUBING

Worth Wade, New York, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

Application June 8, 1935, Serial No. 25,599

11 Claims. (Cl. 93—80)



1. In an apparatus for making tubing, the combination of a mandrel, an endless heated metal band passing in a spiral about said mandrel for helically winding a strip of heat-sealable material about said mandrel into a tubing having spiral overlapping portions and means to apply heat and pressure to the tubing while on the mandrel to heat-seal the overlapping portions.

7. In a process for making tubing, the steps comprise pre-treating a strip of heat-sealable material to produce a tendency therein for the strip to form a spiral coil, helically winding said treated strip about a mandrel in the direction of said spiral to form a tubing having spiral overlapping portions and sealing the overlapping portions of the tubing by applying heat and pressure to the tubing while the tubing is supported on the mandrel.

2,250,431
HULLER TYPE GIN WITH FIRE FRONT

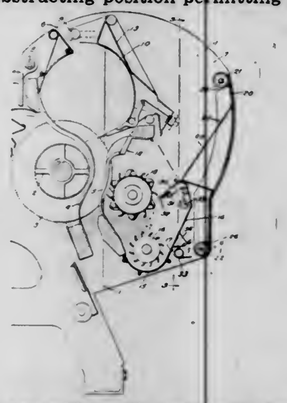
Jeffrey J. Wallace, Amite, La., assignor to Gullett Gin Company, Amite, La., a corporation of Louisiana

Application December 5, 1940, Serial No. 368,706

12 Claims. (Cl. 19—56)

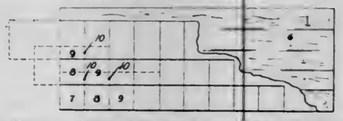
1. Cotton gin of the huller type having inner and outer breasts defining between them a roll box, the outer breast having side walls and a lower rear wall including the huller ribs, and having bottom and forward enclosing structure, the lower parts of said side walls cooperating with said lower rear wall and said bottom and forward enclosing structure to form a hulling chamber having its mouth in a downwardly and forwardly inclined plane, a huller drum in said hulling chamber, said outer breast having an upper rear wall in the path of cotton received from a feeding means and inclined so as to direct the cotton in a trajectory which in the absence of opposing structure will by-pass the mouth of said

hulling chamber, a front for said outer breast pivotally suspended at its top at a point above said mouth, having an inwardly and downwardly inclined baffle on its inner side for deflecting the column of cotton into said mouth when the front is closed, said front being swingable outwardly to a non-obstructing position permitting the cot-



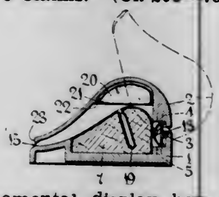
ton to by-pass said mouth, said enclosing structure including an outwardly swingable portion hinged at its lower end, having its upper end portion inwardly and downwardly directed and adjacent the lower end of said baffle when said front and said hinged member are closed, forming a continuation of said baffle.

2,250,432
STRIP SHINGLE AND METHOD OF APPLICATION
Joseph P. Wilson, Denver, Colo.
Application August 1, 1939, Serial No. 287,721
4 Claims. (Cl. 108—9)



4. In the roofing art, wherein shingles are applied in the "Dutch lap" style, the improvement which comprises applying a shingle at a corner of a roof in alignment with the edges thereof, and then applying a two-section shingle member in adjoining relation to the first said shingle and overlapping the latter on two sides, and then continuing the course of shingles by applying a succession of three-section shingle members.

2,250,433
JEWELRY BOX
John Renfrew Dean, Buffalo, N. Y., assignor to Warner Jewelry Case Company, Buffalo, N. Y.
Application February 5, 1938, Serial No. 188,970
8 Claims. (Cl. 206—75)



1. An ornamental display box comprising a molded plastic body and a like formed cover hinged thereto, the body formed with an elevated pad support flanked on opposite sides by base shoulders for supporting the molded cover when closed, said shoulders extending toward and merging into a sloping frontal portion, the front edge of the cover being supported off such frontal portion by the shoulders to facilitate its engagement for lifting the cover.

2,250,434
COMBINATION NAIL SET AND PATCH HOLE MAKING TOOL
Eugene Dugaw, Tacoma, Wash.
Application February 25, 1937, Serial No. 127,741
3 Claims. (Cl. 145—1)



1. A combination tool comprising the combination of a short metal bar constituting a handle, with a patch hole making means of an oblong pointed cross-sectional form and a nail setting means centrally located within said patch hole making means at one end of said bar, adapted to simultaneously set a nail and make an oblong pointed patch hole around the head of said nail, wherein edge blade means extending downwardly from said bar and constituting the patch hole cutting means forms the perimeter of said patch hole making means, whereby a cavity is formed within the said patch hole making means, and the nail setting means is located within said cavity.

2,250,435
MATRIX FOR ELECTROFORMING FORAMINOUS SHEET
Edward O. Norris, Westport, Conn., assignor to Edward O. Norris, Inc., New York, N. Y., a corporation of New York
Application April 25, 1938, Serial No. 203,981
2 Claims. (Cl. 204—281)



1. A matrix adapted to serve for the electroformation of foraminous sheet, said matrix having an exposure surface which comprises a deposit-receiving area of grid pattern, the areas of which between the junction areas curve away from the plane of said crossing points to an arch-like form, the planes in which the curves lie being normal to the surface of the matrix and the remaining portions of said exposure surface consisting of material that is passive to electrolytic deposition.

2,250,436
MATRIX FOR ELECTRODEPOSITION OF FORAMINOUS SHEET
Edward O. Norris, Westport, Conn., assignor to Edward O. Norris, Inc., New York, N. Y., a corporation of New York
Application October 6, 1939, Serial No. 298,216
2 Claims. (Cl. 204—281)

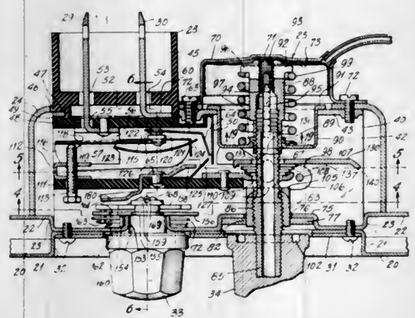
1. A matrix for the electrolytic production of

foraminous sheet, comprising a nickel plate provided in its surface with a multitude of pits having constricted orifices, said pits being lined with copper, the said copper lining partially en-



closing a solid body of material passive to electrolytic deposition, the thickness of the copper lining being great enough so that in its absence the said solid body may pass without disintegration from said pits through said orifices.

2,250,437
REFRIGERATOR CONTROL SWITCH
Lawrence M. Persons, St. Louis, Mo., assignor, by mesne assignments, to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application February 8, 1937, Serial No. 124,661
38 Claims. (Cl. 200—83)



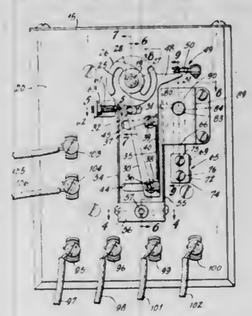
1. In a device of the kind described, a switch, means responsive to physical conditions, means adapted to operate said switch at a predetermined condition of said responsive means including a lockable member, separate means shiftable to lock the lockable member and maintain the switch against operating movement and means movable independently of said lockable member interconnecting said separate means and said responsive means to release said separate means when said responsive means attains a predetermined condition.

2,250,438
COMPENSATOR FOR REFRIGERATION CONTROL
Lawrence M. Persons, St. Louis County, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application August 20, 1937, Serial No. 160,065
13 Claims. (Cl. 62—7)



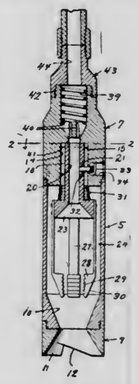
10. In a control of the kind described, a thermal unit, a load adapted to operate at a predetermined minimum current value to produce a given effect, a pair of heaters, means connecting the two heaters and the load in series, means operated by the thermal unit to shunt one heater, the relative resistances of the two heaters and load being such that with them in series as aforesaid they do not admit enough current to operate the load to produce said effect, but said heaters jointly provide a predetermined amount of heat, and when the one heater is shunted out, the other passes enough current to operate the load to produce said effect, and with such increased current, provides substantially the same amount of heat.

2,250,439
STACK SWITCH
Lawrence M. Persons, St. Louis County, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application April 24, 1939, Serial No. 269,634
4 Claims. (Cl. 200—122)



1. In a mechanism of the kind described, a pair of spaced and oppositely acting bimetals joined for pivotal movement together about a given point, said bimetals extending from such pivot point, an adjustable abutment for the free end of one bimetal, an actuated mechanism controlled by the free end of the other bimetal, a heater, and means supporting the heater between the bimetals and movable toward one or the other thereof.

2,250,440
OIL WELL FISHING TOOL
Henry W. Shannon, Hominy, Okla.
Application August 5, 1938, Serial No. 223,350
3 Claims. (Cl. 294—102)



1. A fishing tool comprising a tubular body

having a shoe on its lower end, said shoe being formed with an upwardly tapering opening for simultaneously receiving and centering well tubing and rods, said opening being formed with a cut-out in one side thereof, said opening being further formed with a sloping ridge starting at a radially inward point and terminating at a radially outward point adjacent said cut-out for carrying the rod and/or tubing past said cut-out.

2,250,441
GOLF CLUB
Norman P. Vickery, Campello, Mass., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Original application October 17, 1933, Serial No. 693,935. Divided and this application August 23, 1934, Serial No. 741,116
21 Claims. (Cl. 273—80)

1. A golf club shaft of reduced cross sectional area in two short relatively spaced portions of the club length intermediate its ends, the upper portion being spaced in inches from the hand grip end of the shaft, 104 inches, plus or minus 4 minus, twice the overall length of the shaft, the

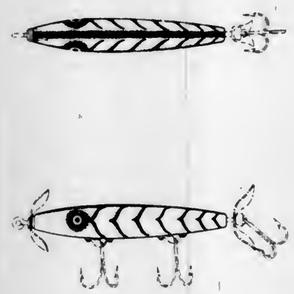


over all length of said shaft being at least 40 inches.

DESIGNS

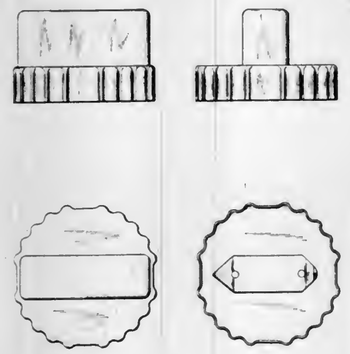
JULY 22, 1941

128,362
DESIGN FOR A FISH LURE
Walter L. Adams, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application March 5, 1940, Serial No. 90,688
Term of patent 14 years



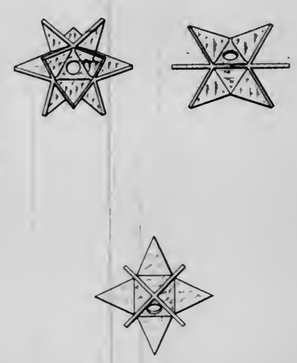
The ornamental design for a fish lure, substantially as shown and described.

128,363
DESIGN FOR A COMBINED CAN PERFORATOR AND COOKY CUTTER
George Gregory Bricco, White Lake, Wis.
Application May 6, 1941, Serial No. 100,810
Term of patent 7 years



The ornamental design for a combined can perforator and cooky cutter, as shown.

128,364
DESIGN FOR AN ELECTRIC LAMP
John B. Cruze, Denver, Colo.
Application March 31, 1941, Serial No. 100,043
Term of patent 14 years



The ornamental design for an electric lamp, as shown.

128,365
DESIGN FOR A DISPENSING BOTTLE
Henry F. Daum, Tacoma, Wash., assignor to The Perfex Company, Tacoma, Wash., a corporation of Washington
Application February 25, 1941, Serial No. 99,213
Term of patent 7 years



The ornamental design for a dispensing bottle, as shown.

128,366
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 5, 1941, Serial No. 101,311
Term of patent 7 years



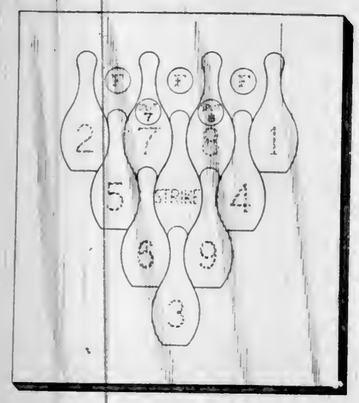
The ornamental design for a container cap, substantially as shown.

128,367
DESIGN FOR A VERTICAL STRIP HAMPER
William Fein, New York, N. Y.
Application February 26, 1940, Serial No. 90,510
Term of patent 7 years



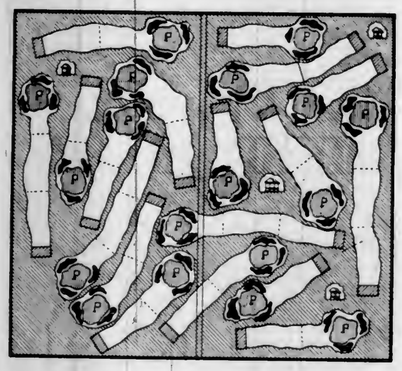
The ornamental design for a vertical strip hamper, as shown and described.

128,368
DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE
Robert M. Gatrell and Edgar Littlefield, Columbus, Ohio
Application April 19, 1941, Serial No. 100,514
Term of patent 7 years



The ornamental design for a game board or similar article, as shown.

128,369
DESIGN FOR A PARLOR GAME BOARD
Harvard W. Gross, St. Louis Park, Minn.
Application April 14, 1941, Serial No. 100,363
Term of patent 3½ years



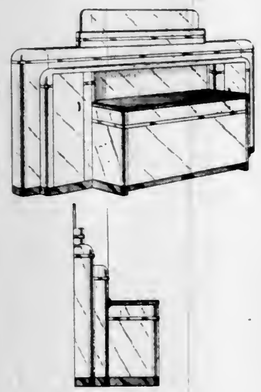
The ornamental design for a parlor game board, substantially as shown and described.

128,370
DESIGN FOR A BURIAL VAULT IDENTIFICATION PLAQUE
Wilbert W. Haase, Forest Park, Ill., assignor to Wilbert W. Haase Co., Forest Park, Ill., a corporation of Illinois
Application February 3, 1941, Serial No. 98,673
Term of patent 14 years



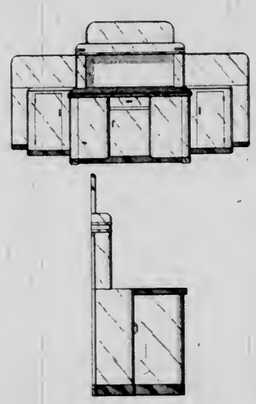
The ornamental design for a burial vault identification plaque, as shown and described.

128,371
DESIGN FOR A WORKBENCH
Edward Ralph Harris, Evanston, and Arthur Fuller Dean, Barrington, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 15, 1941, Serial No. 99,634
Term of patent 7 years



The ornamental design for a workbench, as shown.

128,372
DESIGN FOR A WORKBENCH
Edward Ralph Harris, Evanston, and Arthur Fuller Dean, Barrington, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 15, 1941, Serial No. 99,635
Term of patent 7 years



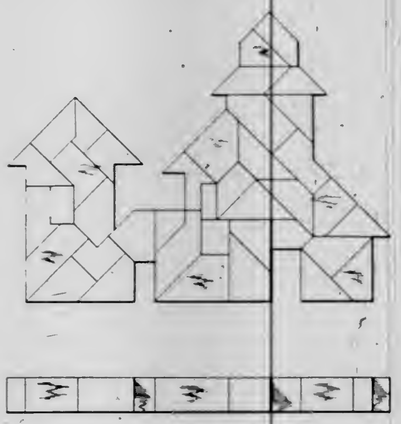
The ornamental design for a workbench, as shown.

128,373
DESIGN FOR A GLASS CANDLEHOLDER OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application March 19, 1941, Serial No. 99,705
Term of patent 14 years



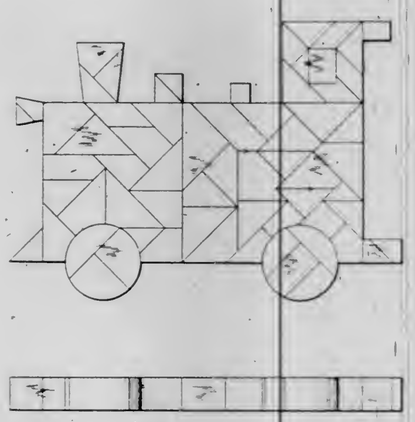
The ornamental design for a glass candleholder or article of similar nature, substantially as shown.

128,374
DESIGN FOR A PUZZLE OR SIMILAR ARTICLE
William Herman, Redding, Conn.
Application December 4, 1940, Serial No. 97,046
Term of patent 14 years



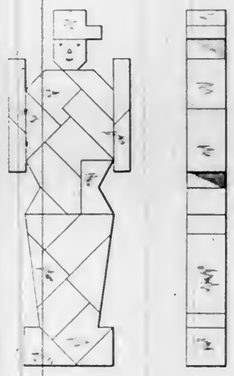
The ornamental design for a puzzle or similar article, substantially as shown.

128,375
DESIGN FOR A PUZZLE OR SIMILAR ARTICLE
William Herman, Redding, Conn.
Application December 4, 1940, Serial No. 97,047
Term of patent 14 years



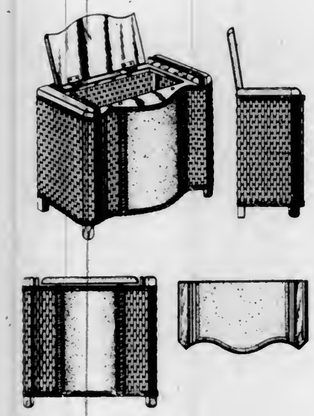
The ornamental design for a puzzle or similar article, substantially as shown.

128,376
DESIGN FOR A PUZZLE OR SIMILAR ARTICLE
William Herman, Redding, Conn.
Application December 4, 1940, Serial No. 97,048
Term of patent 14 years



The ornamental design for a puzzle or similar article, substantially as shown.

128,377
DESIGN FOR A HAMPER
Silas R. Horn, New York, N. Y.
Application May 7, 1941, Serial No. 100,826
Term of patent 7 years



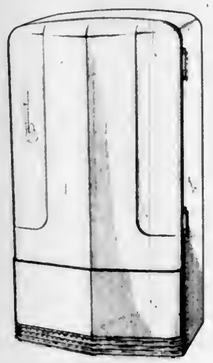
The ornamental design for a hamper, as shown and described.

128,378
DESIGN FOR A TEXTILE FABRIC
Louis Kalman, New York, N. Y.
Application June 14, 1941, Serial No. 101,463
Term of patent 3½ years



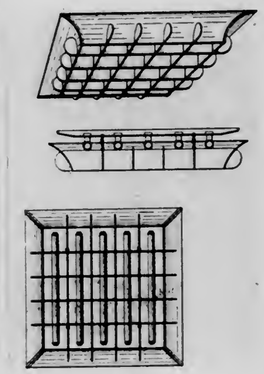
The ornamental design for a textile fabric, substantially as shown and described.

128,379
DESIGN FOR A REFRIGERATOR CABINET
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 19, 1940, Serial No. 95,939
Term of patent 7 years



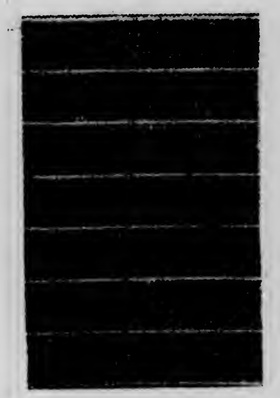
The ornamental design for a refrigerator cabinet, substantially as shown and described.

128,380
DESIGN FOR A LIGHTING FIXTURE
Charles T. Masterson, East Cleveland, and Wentworth M. Potter, Lyndhurst, Ohio, assignors to General Electric Company, a corporation of New York
Application November 9, 1940, Serial No. 96,455
Term of patent 14 years



The ornamental design for a lighting fixture, as shown.

128,381
DESIGN FOR A TEXTILE PILE FABRIC
John J. Repp, Philadelphia, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application March 8, 1941, Serial No. 99,439
Term of patent 14 years



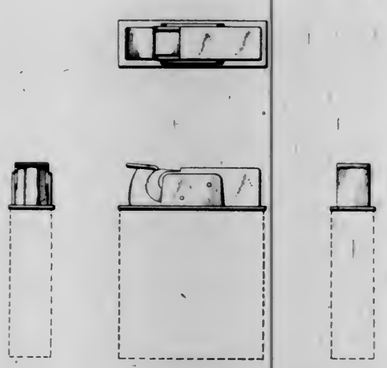
The ornamental design for a textile pile fabric, as shown and described.

128,382
DESIGN FOR A TEXTILE PILE FABRIC
John J. Repp, Philadelphia, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 22, 1941, Serial No. 100,553
Term of patent 14 years



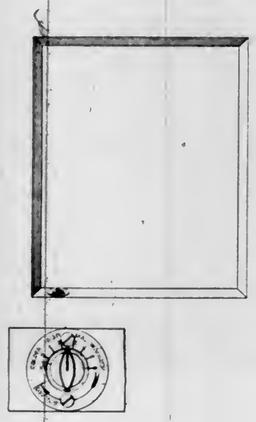
The ornamental design for a textile pile fabric, as shown and described.

128,383
DESIGN FOR A CIGARETTE LIGHTER
Alfred F. Reilly, North Attleboro, Mass.
Application March 27, 1941, Serial No. 99,921
Term of patent 14 years



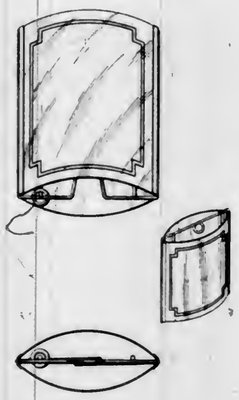
The ornamental design for a cigarette lighter, as shown and described.

128,384
DESIGN FOR A COMBINED CONTROL AND DOOR TRIM UNIT FOR A REFRIGERATOR OR THE LIKE
Joseph N. Roth, Belding, Mich., assignor to Gibson Electric Refrigerator Corporation, a corporation of Michigan
Application February 24, 1941, Serial No. 99,188
Term of patent 14 years



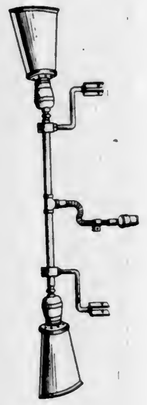
The ornamental design for a combined control and door trim unit, for a refrigerator or the like, as shown and described.

128,385
DESIGN FOR A STRING HOLDER
William F. Vernon, Newton, Iowa
Application December 5, 1940, Serial No. 97,084
Term of patent 7 years



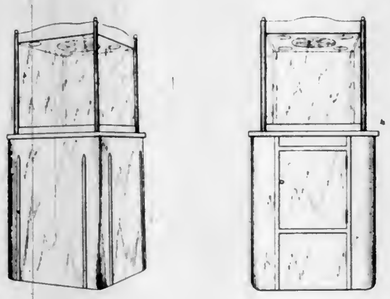
The ornamental design for a string holder, as shown.

128,386
DESIGN FOR A LAMP
John J. Wright, Fort Worth, Tex.
Application July 12, 1939, Serial No. 85,977
Term of patent 3½ years



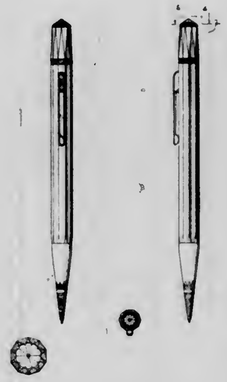
The ornamental design for a lamp, substantially as shown.

128,387
DESIGN FOR A COMBINED POPCORN CABINET AND DISPENSER OR SIMILAR ARTICLE
Harvey C. Wheeler, Brookline, Mass.
Application October 16, 1940, Serial No. 95,859
Term of patent 3½ years



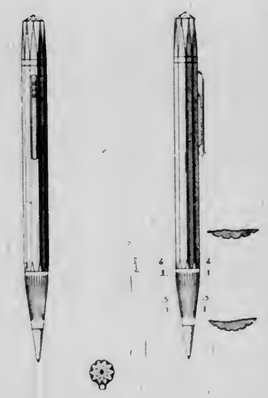
The ornamental design for a combined popcorn cabinet and dispenser or similar article, substantially as shown.

128,388
DESIGN FOR A MECHANICAL PENCIL
Trace Christenson, Jr., Evanston, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1940, Serial No. 96,833
Term of patent 7 years



The ornamental design for a mechanical pencil, substantially as shown and described.

128,389
DESIGN FOR A MECHANICAL PENCIL
Trace Christenson, Jr., Evanston, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1940, Serial No. 96,834
Term of patent 7 years



The ornamental design for a mechanical pencil, substantially as shown and described.

128,390
DESIGN FOR A MECHANICAL PENCIL
Trace Christenson, Jr., Evanston, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1940, Serial No. 96,835
Term of patent 7 years



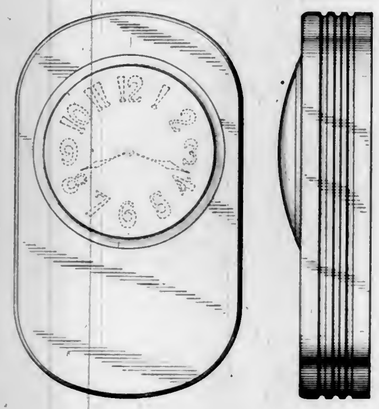
The ornamental design for a mechanical pencil, substantially as shown and described.

128,391
DESIGN FOR A MECHANICAL PENCIL
Trace Christenson, Jr., Evanston, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1940, Serial No. 96,836
Term of patent 7 years



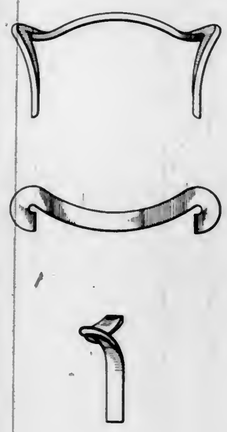
The ornamental design for a mechanical pencil, substantially as shown and described.

128,392
DESIGN FOR AN ELECTRIC CLOCK
Joseph Gottlieb, Deal, N. J.
Application April 29, 1941, Serial No. 100,693
Term of patent 7 years



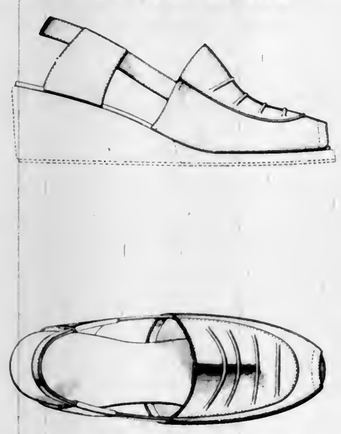
The ornamental design for an electric clock, as shown.

128,393
DESIGN FOR A BRIDGE FOR AN OPHTHALMIC MOUNTING
Willard B. Greene, Watertown, Mass., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application May 27, 1941, Serial No. 101,172
Term of patent 14 years



The ornamental design for a bridge for an ophthalmic mounting, substantially as shown.

128,394
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Faie Joyce, Pasadena, Calif.
Application May 27, 1941, Serial No. 101,180
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown and described.

128,395
DESIGN FOR A LOOP ANCHORAGE FOR LUGGAGE HANDLES AND THE LIKE
Hyman G. Kates, New York, N. Y.
Application September 27, 1940, Serial No. 95,435
Term of patent 3½ years



The ornamental design for a loop anchorage for luggage handles and the like, as shown and described.

128,396
DESIGN FOR A SAND GLASS
Sidney Lazarus, Brooklyn, N. Y., assignor to Seed Filter & Mfg. Co. Inc., New York, N. Y., a corporation of New York
Application November 12, 1940, Serial No. 96,460
Term of patent 7 years



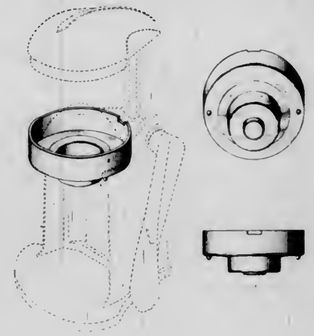
The ornamental design for a sand glass, as shown.

128,397
DESIGN FOR A TIE HOLDER
Gustav A. Loercher, Greenwood, R. I., assignor to Carl-Art, Inc., Providence, R. I., a corporation of Rhode Island
Application December 2, 1940, Serial No. 97,003
Term of patent 7 years



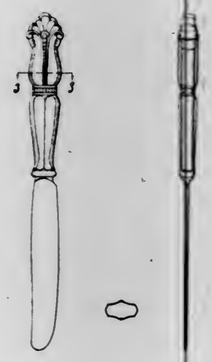
The ornamental design for a tie holder, substantially as shown.

128,398
DESIGN FOR A FRUIT JUICE EXTRACTOR
Joseph M. Majewski, Jr., Kansas City, Mo., assignor to Foster L. Talge, Kansas City, Mo., doing business as Rival Manufacturing Company
Application March 22, 1940, Serial No. 91,147
Term of patent 14 years



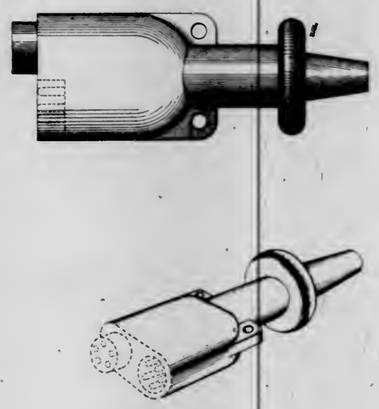
The ornamental design for a fruit juice extractor, substantially as shown and described.

128,399
DESIGN FOR A KNIFE OR OTHER ARTICLE OF FLATWARE
Harry Malinowski, Meriden, Conn., assignor to The Ellmore Silver Company Incorporated, Meriden, Conn., a corporation of Connecticut
Application May 29, 1941, Serial No. 101,219
Term of patent 14 years



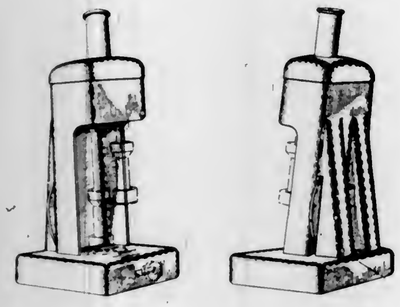
The ornamental design for a knife or other article of flatware, substantially as shown.

128,400
DESIGN FOR A CABLE CONNECTOR
James B. Miller, Webster Groves, Mo.
Application March 23, 1940, Serial No. 91,198
Term of patent 14 years



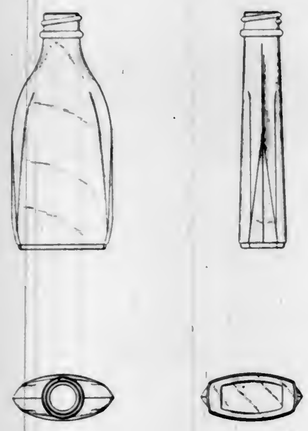
The ornamental design for a cable connector, substantially as shown and described.

128,401
DESIGN FOR A COLORIMETER OR THE LIKE
William F. Peck, Snyder, N. Y., assignor to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application January 3, 1941, Serial No. 97,792
Term of patent 14 years



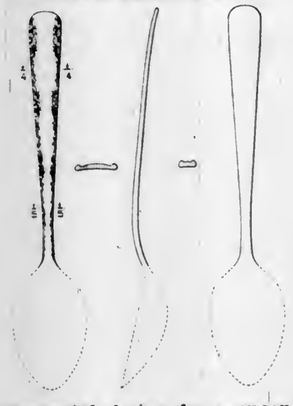
The ornamental design for a colorimeter or the like, substantially as shown and described.

128,402
DESIGN FOR A BOTTLE
Edwin P. Price, Chicago, Ill.
Application March 17, 1941, Serial No. 99,658
Term of patent 7 years



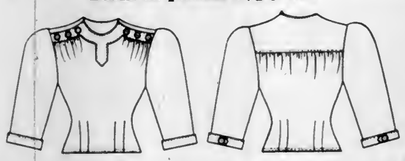
The ornamental design for a bottle, substantially as shown and described.

128,403
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
James Russell Price, Cranston, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application June 17, 1941, Serial No. 101,496
Term of patent 14 years



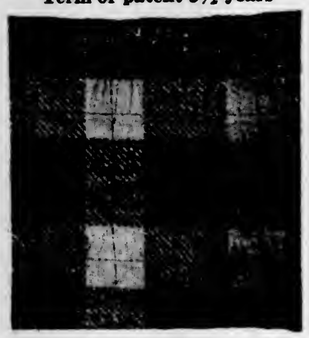
The ornamental design for a spoon or other article of flatware, substantially as shown.

128,404
DESIGN FOR A BLOUSE
Samuel Salsky, Brooklyn, N. Y.
Application June 21, 1941, Serial No. 101,584
Term of patent 3½ years



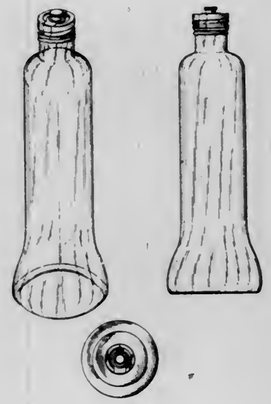
The ornamental design for a blouse, substantially as shown.

128,405
DESIGN FOR A WOVEN TEXTILE FABRIC
Samuel Salsky, New York, N. Y.
Application June 26, 1941, Serial No. 101,693
Term of patent 3½ years



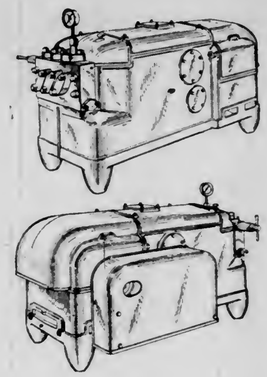
The ornamental design for a woven textile fabric, substantially as shown.

128,406
DESIGN FOR A RECEPTACLE FOR RECEIVING AND STORING BLOOD
Abe Soontup, New York, N. Y., and John E. B. Swabacker, Chicago, Ill.
Application December 28, 1940, Serial No. 97,682
Term of patent 7 years



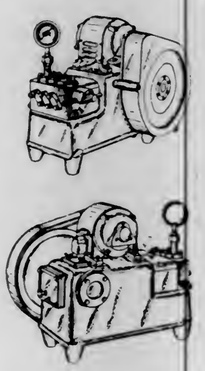
The ornamental design for a receptacle for receiving and storing blood, substantially as shown and described.

128,407
DESIGN FOR A HOMOGENIZER
Reinhard A. Yohpe, Battle Creek, Mich., assignor to Union Steam Pump Company, Battle Creek, Mich.
Application April 14, 1941, Serial No. 100,365
Term of patent 14 years



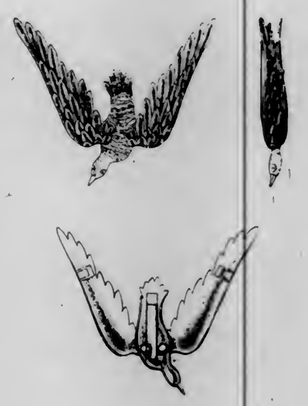
The ornamental design for a homogenizer, substantially as shown.

128,408
DESIGN FOR A HOMOGENIZER
Reinhard A. Yohpe, Battle Creek, Mich., assignor to Union Steam Pump Company, Battle Creek, Mich.
Application April 14, 1941, Serial No. 100,366
Term of patent 14 years



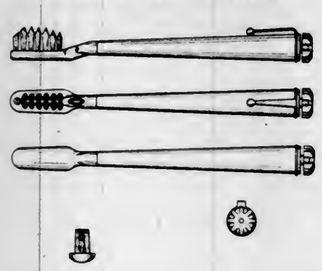
The ornamental design for a homogenizer substantially as shown.

128,409
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Joanne Adler, New York, N. Y.
Application June 14, 1941, Serial No. 101,456
Term of patent 3½ years



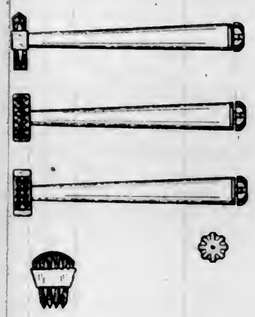
The ornamental design for a brooch or similar article, substantially as shown.

128,410
DESIGN FOR A FOUNTAIN BRUSH
Julian H. Bair, Seattle, Wash.
Application April 21, 1941, Serial No. 100,532
Term of patent 7 years



The ornamental design for a fountain brush, as shown.

128,411
DESIGN FOR A FOUNTAIN BRUSH
Julian H. Bair, Seattle, Wash.
Application April 21, 1941, Serial No. 100,533
Term of patent 7 years



The ornamental design for a fountain brush, as shown.

128,412
DESIGN FOR A FOUNTAIN BRUSH
Julian H. Bair, Seattle, Wash.
Application April 21, 1941, Serial No. 100,534
Term of patent 7 years



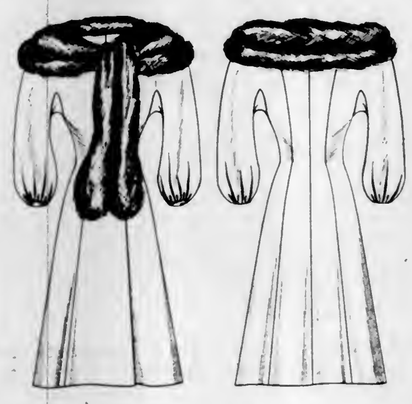
The ornamental design for a fountain brush, as shown.

128,413
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gildo Capellazzi, Brooklyn, N. Y.
Application June 26, 1941, Serial No. 101,686
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

128,414
DESIGN FOR A COAT
Toni Carnegie, New York, N. Y.
Application June 27, 1941, Serial No. 101,720
Term of patent 3½ years





The ornamental design for a coat, substantially as shown.

128,415
DESIGN FOR A SUIT
Toni Carnegie, New York, N. Y.
Application June 27, 1941, Serial No. 101,726
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

128,416
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application April 17, 1941, Serial No. 100,428
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

128,417
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Henry Einstein, New York, N. Y.
Application June 16, 1941, Serial No. 101,475
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown and described

128,418
DESIGN FOR A JACKET
Edward Fromm, Hamburg, Wis.
Application June 12, 1941, Serial No. 101,411
Term of patent 3½ years



The ornamental design for a jacket, as shown.

128,419
DESIGN FOR A TRANSPARENT OVERSHOE OR SIMILAR ARTICLE
Addeline J. McGillicuddy, New York, N. Y.
Application June 26, 1941, Serial No. 101,688
Term of patent 3½ years



The ornamental design for a transparent overshoe or similar article, substantially as shown and described.

128,420
DESIGN FOR A TRANSPARENT OVERSHOE OR SIMILAR ARTICLE
Addeline J. McGillicuddy, New York, N. Y.
Application June 26, 1941, Serial No. 101,689
Term of patent 3½ years



The ornamental design for a transparent overshoe or similar article, substantially as shown and described.

128,421
DESIGN FOR A TRANSPARENT OVERSHOE OR SIMILAR ARTICLE
Addeline J. McGillicuddy, New York, N. Y.
Application June 26, 1941, Serial No. 101,690
Term of patent 3½ years



The ornamental design for a transparent overshoe or similar article, substantially as shown and described.

128,422
DESIGN FOR A TRANSPARENT OVERSHOE OR SIMILAR ARTICLE
Addeline J. McGillicuddy, New York, N. Y.
Application June 26, 1941, Serial No. 101,691
Term of patent 3½ years



The ornamental design for a transparent overshoe or similar article, substantially as shown and described.

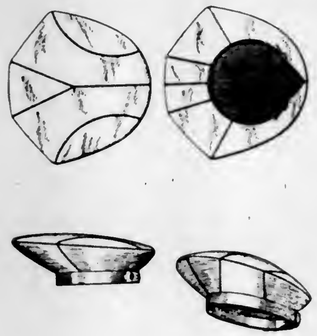
128,423
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application June 17, 1941, Serial No. 101,490
Term of patent 3½ years





The ornamental design for a brooch pin or similar article, substantially as shown.

128,424
DESIGN FOR A BERET OR SIMILAR ARTICLE
Murray J. Marks, New York, N. Y.
Application June 20, 1940, Serial No. 93,117
Term of patent 7 years



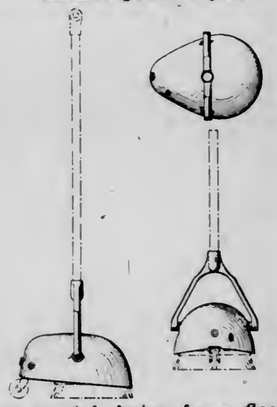
The ornamental design for a beret or similar article, substantially as shown.

128,425
DESIGN FOR A COAT
Adolph Oppenheimer, New York, N. Y.
Application June 24, 1941, Serial No. 101,644
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,426
DESIGN FOR A FLOOR POLISHING MACHINE OR SIMILAR ARTICLE
Orville W. Thrailkill, Wellington, Kans.
Application May 6, 1941, Serial No. 100,806
Term of patent 7 years



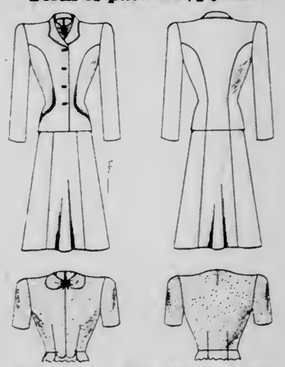
The ornamental design for a floor polishing machine or similar article, substantially as shown.

128,427
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Victor Silson, New York, N. Y.
Application July 1, 1941, Serial No. 101,831
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

128,428
DESIGN FOR A DRESS ENSEMBLE
Gilberte Andrée, New York, N. Y.
Application June 27, 1941, Serial No. 101,716
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

128,429
DESIGN FOR A DRESS
Toni Carnegie, New York, N. Y.
Application June 27, 1941, Serial No. 101,721
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,430
DESIGN FOR A DRESS
Toni Carnegie, New York, N. Y.
Application June 27, 1941, Serial No. 101,722
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,431
DESIGN FOR A DRESS
Toni Carnegie, New York, N. Y.
Application June 27, 1941, Serial No. 101,723
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,432
DESIGN FOR A DRESS
Toni Carnegie, New York, N. Y.
Application June 27, 1941, Serial No. 101,727
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,433
DESIGN FOR A DRESS
William Clion, Brooklyn, N. Y.
Application June 28, 1941, Serial No. 101,772
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,434
DESIGN FOR A DRESS
Beulah Fontana, New York, N. Y.
Application June 27, 1941, Serial No. 101,715
Term of patent 3½ years



The ornamental design for a dress, as shown.

128,435
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application June 28, 1941, Serial No. 101,761
Term of patent 3½ years



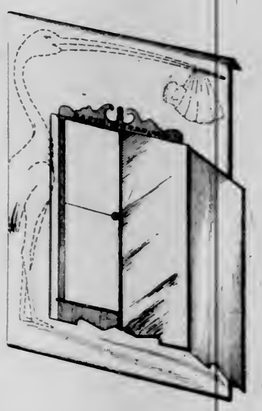
The ornamental design for a dress ensemble, substantially as shown.

128,436
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application June 27, 1941, Serial No. 101,718
Term of patent 3½ years



The ornamental design for a dress, as shown.

128,437
DESIGN FOR AN ENVELOPE
Benjamin Moskowitz, New York, N. Y.
Application October 24, 1940, Serial No. 96,036
Term of patent 7 years



The ornamental design for an envelope, as shown and described.

128,438
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application June 28, 1941, Serial No. 101,768
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,439
DESIGN FOR A DRESS
Harry Shabter, Westport, Conn.
Application June 28, 1941, Serial No. 101,764
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,440
DESIGN FOR A DRESS ENSEMBLE
Emmelia Wener, Chicago, Ill.
Application June 28, 1941, Serial No. 101,758
Term of patent 3½ years



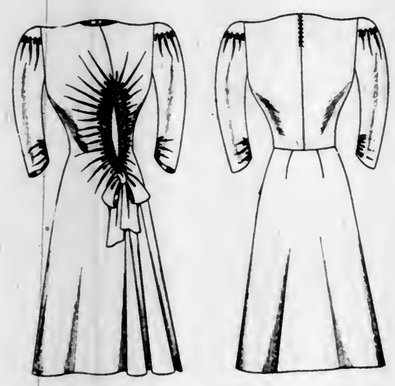
The ornamental design for a dress ensemble, substantially as shown.

128,441
DESIGN FOR A DRESS
Toni Carnegie, New York, N. Y.
Application June 27, 1941, Serial No. 101,724
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,442
DESIGN FOR A DRESS
Toni Carnegie, New York, N. Y.
Application June 27, 1941, Serial No. 101,725
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,443
DESIGN FOR A DRESS
William Clion, Brooklyn, N. Y.
Application June 28, 1941, Serial No. 101,771
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,444
DESIGN FOR A DRESS
Beulah Fontana, New York, N. Y.
Application June 27, 1941, Serial No. 101,714
Term of patent 3½ years



The ornamental design for a dress, as shown.

128,445
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application July 1, 1941, Serial No. 101,824
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,446
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application July 1941, Serial No. 101,825
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,447
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application July 1, 1941, Serial No. 101,826
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,448
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application July 1, 1941, Serial No. 101,827
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,449
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application July 1, 1941, Serial No. 101,828
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,450
DESIGN FOR A DRESS ENSEMBLE
Winifred Hermann, Chicago, Ill.
Application June 28, 1941, Serial No. 101,755
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,451
DESIGN FOR A DRESS ENSEMBLE
Winifred Hermann, Chicago, Ill.
Application June 28, 1941, Serial No. 101,756
Term of patent 3½ years



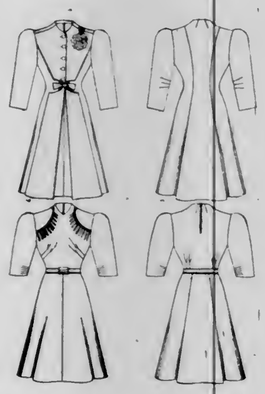
The ornamental design for a dress ensemble, substantially as shown.

128,452
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application July 1, 1941, Serial No. 101,830
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,453
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application June 28, 1941, Serial No. 101,760
Term of patent 3½ years



The ornamental design for a dress ensemble substantially as shown.

128,454
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application June 28, 1941, Serial No. 101,762
Term of patent 3½ years



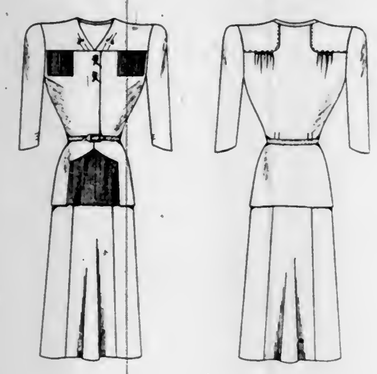
The ornamental design for a dress ensemble, substantially as shown.

128,455
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application July 1, 1941, Serial No. 101,829
Term of patent 3½ years



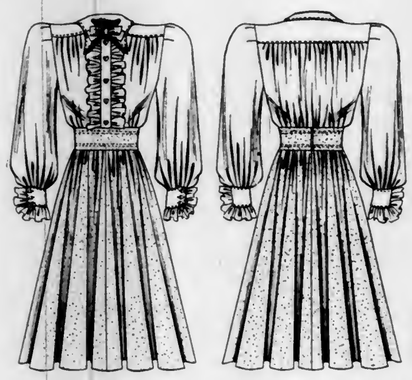
The ornamental design for a dress ensemble, substantially as shown.

128,456
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application June 27, 1941, Serial No. 101,719
Term of patent 3½ years



The ornamental design for a dress, as shown.

128,457
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application July 1, 1941, Serial No. 101,822
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,458
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application July 1, 1941, Serial No. 101,820
Term of patent 3½ years



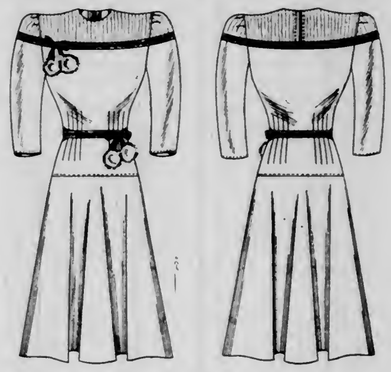
The ornamental design for a dress, substantially as shown.

128,459
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application July 1, 1941, Serial No. 101,821
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,460
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application July 1, 1941, Serial No. 101,823
Term of patent 3½ years



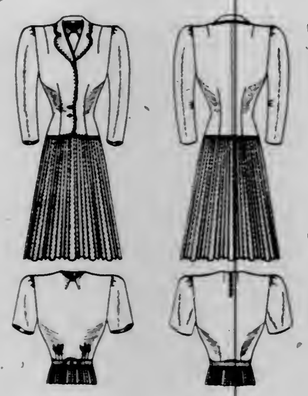
The ornamental design for a dress, substantially as shown.

128,461
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application June 28, 1941, Serial No. 101,769
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,462
DESIGN FOR A DRESS ENSEMBLE
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application June 28, 1941, Serial No. 101,770
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,463
DESIGN FOR A DRESS
Harry Shacter, Westport, Conn.
Application June 28, 1941, Serial No. 101,763
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,464
DESIGN FOR A DRESS
Harry Shacter, Westport, Conn.
Application June 28, 1941, Serial No. 101,765
Term of patent 3½ years



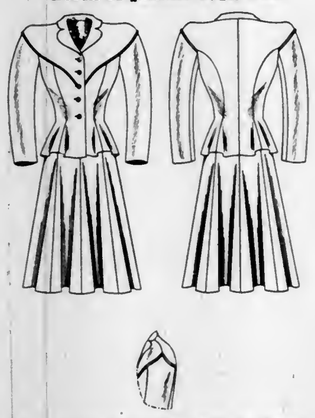
The ornamental design for a dress, substantially as shown.

128,465
DESIGN FOR A DRESS
Harry Shacter, Westport, Conn.
Application June 28, 1941, Serial No. 101,766
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,466
DESIGN FOR A DRESS
Harry Shacter, Westport, Conn.
Application June 28, 1941, Serial No. 101,767
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,467
DESIGN FOR A DRESS ENSEMBLE
Emmelia Wener, Chicago, Ill.
Application June 28, 1941, Serial No. 101,757
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,468
DESIGN FOR A DRESS ENSEMBLE
Emmelia Wener, Chicago, Ill.
Application June 28, 1941, Serial No. 101,759
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

Patents Nos. 2,250,442 to 2,251,257

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 528—No. 5 TUESDAY, JULY 29, 1941 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF JULY 29, 1941	1029
NOTICES OF CANCELLATION	1029
ADJUDICATED PATENTS	1029
DISCLAIMERS	1029
APPLICATIONS UNDER EXAMINATION	1030
DECISIONS OF THE U. S. COURTS—	
Poulsen and Petersen *v.* Coe, Commissioner of Patents	1031
In re Abernathy	1039
In re Becker et al	1040
PATENT SUITS	1042
BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS	1044
TRADE-MARKS PUBLISHED (129 APPLICATIONS)	1047
TRADE-MARK REGISTRATIONS GRANTED	1062
TRADE-MARK REGISTRATIONS RENEWED	1072
REISSUES	1075
PATENTS GRANTED	1077
DESIGNS	1270

July 29, 1941

Trade-Marks	199	No. 389,138 to No.	389,336,	inclusive.
T. M. Renewals	67			
Reissues	5	No. 21,865 to No.	21,869,	inclusive.
Patents	816	No. 2,250,442 to No.	2,251,257,	inclusive.
Designs	131	No. 128,469 to No.	128,559,	inclusive.
Total	1,218			

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., July 16, 1941.*

Jas. L. Gilbert, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Seacoast Laboratories, Inc., New York, N. Y., to effect the cancellation of registration No. 239,039, issued February 21, 1928, to Jas. L. Gilbert, 1302 East Slauson Avenue, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Jas. L. Gilbert at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Jas. L. Gilbert, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., July 16, 1941.*

Margaret F. Howe, her assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Hat Corporation of America, Van Zandt, Norwalk, Conn., to effect the cancellation of trade-mark registration of Margaret F. Howe, 132 East 19th St., New York, N. Y., No. 195,694, dated March 3, 1925, and the notice of such proceeding sent by registered mail to the said Margaret F. Howe at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Margaret F. Howe, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. Tex.) Sutherland patent, No. 1,539,701, for process of bleaching, preserving and increasing the baking qualities of flour and of other milling products, claims 5, 11, 12, and 24 *Held* valid. *Novadel-Agene Corporation v. Penn*, 119 F.(2d) 764.

(C. C. A. Tex.) Kroeber patent, No. 1,555,805, for comminuted organic peroxide and process of obtaining same, claim 5 *Held* invalid. *Id.*

Disclaimers

1,709,098.—*Ernest J. Schuda*, Erie, Pa. WRINGER. Patent dated April 16, 1929. Disclaimer filed July 11, 1941, by the assignee, *Lovell Manufacturing Company.*

Hereby disclaims claims 9 and 10 of said patent.

2,056,028.—*Sten Wadsten*, Bloomfield, N. J. MACHINE FOR MAKING COILED-COILS. Patent dated September 29, 1936. Disclaimer filed July 9, 1941, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, and 36.

2,142,781.—*Harry L. Frevert* and *Francis B. Foley*, Philadelphia, Pa. ALLOY STEEL FOR INTERNAL COMBUSTION VALVES OR VALVE ELEMENTS. Patent dated January 3, 1939. Disclaimer filed July 3, 1941, by the assignee, *The Midvale Company.*

Hereby enters this disclaimer to all compositions within the terms of claims 1, 4, 5, 7, 9, and 10 in which the percentage of nickel does not substantially exceed the percentage of manganese.

2,195,799.—*Fred A. Parsons*, Milwaukee, Wis. BACKLASH ELIMINATOR. Patent dated April 2, 1940. Disclaimer filed June 23, 1941, by the assignee, *Kearney & Trecker Corporation.*

Hereby enters this disclaimer to claims 1, 2, 4, and 7 in said specification.

Condition of Applications Under Examination at Close of Business July 12, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 43,934; Trade-Mark Division, 1,277. Oldest new case, Oct. 26, 1940; oldest amended, Oct. 29, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 9	Jan. 22	700
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Jan. 30	Jan. 7	524
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	May 10	May 12	473
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Apr. 5	Apr. 5	598
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 17	Mar. 12	433
4893 C	6. LEWERS, A. M., Carbon Chemistry (part)	†Dec. 12	†Dec. 23	1179
5725	7. JARBOE, C. G., Optics; Photography	Jan. 23	Jan. 21	951
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Jan. 8	Jan. 11	854
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Feb. 20	Feb. 15	655
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Feb. 17	Feb. 21	494
5087 B	11. BENHAM E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 18	Mar. 15	416
7701	12. SPINTMAN, SAMUEL (Act.) Machine Elements; Mechanical Starters; Stop Mechanisms	Feb. 3	Jan. 15	585
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 21	Jan. 8	486
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Mar. 21	Mar. 21	451
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Jan. 15	Jan. 21	1114
5716	16. SPENCER, C. J., Telegraphy; Telephony	Mar. 15	Feb. 21	546
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 6	Mar. 5	614
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 12	Feb. 15	465
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 1	Feb. 26	721
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 8	Feb. 20	473
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 6	Apr. 9	313
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Oct. 17	†Oct. 17	1551
7624	23. BUTTNER, W. J., Registers (part)	†Oct. 30	†Oct. 28	270
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 31	Jan. 21	917
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 15	Mar. 17	460
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Mar. 10	Mar. 5	445
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Jan. 30	Jan. 30	532
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Jan. 25	Feb. 1	416
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Jan. 4	Jan. 22	697
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 20	Mar. 14	507
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Jan. 31	Jan. 31	1367
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 18	Feb. 14	982
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Feb. 14	Feb. 17	1040
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	†Dec. 23	Jan. 2	517
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Jan. 10	Jan. 4	1022
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Feb. 5	Feb. 7	533
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 24	Mar. 4	577
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Oct. 26	†Oct. 29	1303
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 11	Mar. 12	560
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	†Dec. 24	†Dec. 26	1750
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Feb. 13	Feb. 4	480
5882	42. CUTTING, H. O., Electric Signaling	Mar. 29	Mar. 28	373
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Jan. 11	Jan. 18	619
4087 B	44. HARVEY, L. P., Refrigeration	Jan. 14	Jan. 10	636
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Apr. 28	Mar. 31	310
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Feb. 15	Feb. 17	740
6082	47. KANOF, W. J., Clutches; Brakes	Mar. 7	Mar. 1	367
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Mar. 15	Mar. 22	514
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Jan. 18	Jan. 11	739
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Jan. 21	Jan. 21	1151
5628	51. BACKUS, C. D., Radiant Energy (part)	Apr. 25	Apr. 22	468
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits	Mar. 17	Mar. 20	610
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 6	Jan. 2	863
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Dec. 16	Jan. 18	377
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Feb. 24	Feb. 10	345
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	†Dec. 13	†Dec. 12	1222
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	†Nov. 29	Mar. 24	180
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	†Dec. 12	Jan. 17	505
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Jan. 23	Jan. 22	982
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Feb. 25	Apr. 19	379
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 17	Mar. 24	293
5621	62. PUGH, E. C., Games; Geometrical Instruments	Apr. 16	Mar. 28	513
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Jan. 6	Jan. 6	1067
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Apr. 12	Apr. 16	548
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Apr. 25	Apr. 12	351
2099 B	Trade-Marks: F. A. RICHMOND	June 6	June 18	1277
2805	Designs: H. H. KALUPY	June 2	June 18	721

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

Poulsen and Petersen
v.
Coe, Commissioner of Patents

No. 7,380. Decided March 17, 1941

[-- F.(2d) --]

1. Patentability—Invention—Mark of.
Simplicity is frequently a mark of invention.

2. Same—Same—Measure of.
While the rule of stare decisis does not apply to decisions of the Patent Office, there is a presumption of correctness in such decisions, and if what appellants did is at least as inventive as what prior patentees did, the granting of patents to the latter should be persuasive in respect of the right to a patent by the former.

3. Same—Sound Recording System and Method.
Certain claims to a sound recording system and to a method of producing a sound record *Held* improperly denied to appellants, since the findings and conclusions of the trial court and the rulings of the Patent Office were in clear error on the question of anticipation, and since the appellants' advance clearly was inventive in character, but another claim *Held* properly denied to appellants as not sufficiently definite to comply with R. S. § 4888.

Appeal from the District Court of the United States for the District of Columbia. Reversed in part, affirmed in part, and remanded to the trial court for further proceedings.

Mr. Paul Kolisch and *Mr. Ralph R. Stewart* for Poulsen and Petersen.

Mr. W. W. Cochran for the Commissioner of Patents.

Before Stephens, Edgerton and Rutledge, Associate Justices

Stephens, *A. J.:*

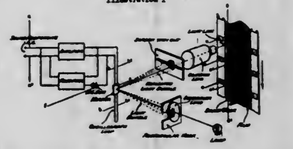
This is an appeal from a decree of the District Court of the United States for the District of Columbia dismissing, after a hearing on the merits, a bill in equity seeking, under R. S. § 4915, 35 U. S. C. A. § 63, an order authorizing the appellee Commissioner of Patents to issue to the appellants Poulsen and Petersen a patent on their application for Letters Patent, Serial No. 563,447, filed December 17, 1931, with claims 49, 70, 72, 73, 74, 76, 77, 78, and 79. Claims 72, 73, and 74 are process claims; the others are claims for a machine, informally denominated a system or apparatus. All of the claims relate to the recording of sound on films such as are used in the making of talking motion pictures. All, except claim 70, were rejected by the Commissioner as lacking invention over the prior art; claim 70, as not sufficiently definite to meet the requirements of R. S. § 4888, 35 U. S. C. A. § 33. The district court in dismissing the appellants' bill apparently accepted the views of the Patent Office with respect to each of the claims. The references relied upon in the Patent Office were: Sacia, 1,623,756, April 5, 1927; Hanna, 1,888,724, November 22, 1932; Robinson, 1,854,159, April 12, 1932; Hewlett, 1,853,812, April 12, 1932.

Sacia was not urged at the trial below. On this appeal the reliance in the Commissioner's brief is upon Robinson and Hewlett alone. In this opinion we will therefore disregard both Sacia and Hanna.

The basic process of sound recording in connection with the production of motion pictures is the transformation of tonal variations produced by a sound source into variations in the magnitude of current in an electric circuit, and then into light variations which are recorded by exposure to them of a moving longitudinal strip of film called a sound track. An understanding of this case requires a brief description of the art as it existed prior to the references relied on in the appeal, and as it existed in view of those references, as well as a description of the appellants' apparatus and method. Such description can best be made in terms of Illustrations I and II below.[1]

The art prior to Robinson and Hewlett: As sound to be recorded emanates from its source, it produces pressure vibrations usually spoken of as sound waves which are intercepted by a microphone. This, by means of a diaphragm, converts the mechanical energy of the sound waves into electric energy in the form of an alternating current with vibrational characteristics which are identical with those of the sound waves. The conduits of this alternating current appear in Illustration I at the points marked

Illustration I



a a'. These conduits, passing first through an amplifier, connect the microphone to an oscillograph[2] loop *b b'* to which is attached a mirror *c*. The oscillation of this mirror, and, in consequence, of a light beam reflected from it in the manner described below, varies in accordance with the changing magnitude of the alternating current vibrations—which itself of course varies in accordance with the variation in amplitude of the sound waves which enter the microphone. The beam of light to be reflected by the mirror upon the moving film is produced by a lamp whose rays pass through a rectangular mask containing a condenser lens

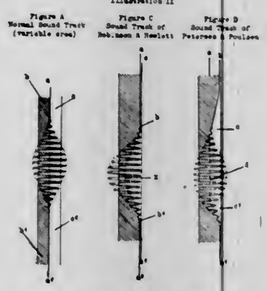
[1] Illustration I is based on Exhibit 1 in the record; Illustration II, on Exhibit 3. Illustration II includes only Figures A, C, and D of Exhibit 3. Figure B is omitted because it is illustrative of Hanna.

[2] An oscillograph is an instrument for the delineation of alternating current wave forms. It consists of two metal conduits which pass side by side under tension between the poles of an electromagnet. The current is led down one strip and up the other so that under and in accordance with the fluctuations of the current the strips move in opposite directions at right angles to their length and thus cause to oscillate a small mirror bridged across the strips. This mirror reflects a beam of light horizontally onto a vertically disposed photographic film which moves downward and thus at right angles to the light beam and which through exposure to the light beam thus delineates variations in the current. 16 Encyclopaedia Britannica (14th ed., 1929, 1932) 949.

which focuses the bundle of rays upon the mirror. When reflected by this mirror toward the film the light bundle thus produced strikes a screen in which there is a horizontal slit, so that there flows on toward the film only that portion of the bundle of light which passes through the slit; and this portion of the bundle is itself, through an objective lens, focused into a fine, transversely disposed line of light which vibrates horizontally upon the sound track, *d d'*, moving downward in a perpendicular plane. In this manner the recording end of the line of light produces upon the film when developed a negative representation of the light vibrations—which themselves correspond exactly to the original vibrations from the sound source.[3] The squares *e e'* shown in Illustration I represent sprocket holes by means of which the film is fitted over moving sprockets which carry it downward. The shaded surfaces are those portions of the film upon which the visual images are recorded.[4]

In the art prior to Hewlett and Robinson, the oscillograph mirror was so adjusted mechanically that when no sound was being produced and therefore no current was passing through the oscillograph loop, the recording end of the line of light was placed exactly in the middle of the sound track. In Figure A of Illustration II there appears graphically the vibration pattern produced by the apparatus thus far described, with the oscillograph mirror set as just stated.

Illustration II



It will be noted that the peaks of the waves described by the recording end of the line of light are symmetrical with respect to a median line or axis *a a'*—sometimes referred to as the "zero line," which is mid-way between the sides of the sound track. It is thus shown that under conditions of silence one half the sound track is exposed and the other half unexposed. That is to say, in this stage of the art, when there was no oscillation of the oscillograph mirror, the transversely disposed line of light upon the sound track would expose only that portion of the latter designated *b b'* in Figure A.[5]

But in this stage of the art there was a serious problem. When sound recorded upon a sound track in light variations as above described is to be reproduced for the benefit of a theatre audience, a fixed light source is sharply focused upon and shines through a positive, produced by printing the developed film record negative, while the former is moved in front of a photoelectric cell.[6] The cell thus "sees" the linear variations in light and functions to transmute them into corresponding electric variations which are amplified to a desired degree and are then led into and actuate the diaphragm of the conventional loud speaker. The resultant vibrations in this diaphragm produce pressure vibrations in the air which are accurate counterparts of those which came from the original sound source. Thus listeners hear sound which is a virtual copy of the original. Since the photoelectric cell is actuated by light variations, sound is not reproduced when there is no vibration of the recording line of light upon the sound track and when, therefore, the latter is half exposed and half unexposed, as shown in that portion of Figure A marked *b b'* and *c c'*. But in the process of development into a negative of a film left in this condition through silence, scratches, abrasions, impurities, spots of silver and the like unavoidably appear—they are caused in the course of the developing process—in the otherwise transparent portions of the film, and when the developed film is then printed into a positive and used in connection with the photoelectric cell to reproduce sound, these imperfections cause a hissing or crackling noise called in the art "background noise." Its intensity is unfortunately greatest during what should be wholly silent periods.[7]

[3] The method of sound recording here described is known in the art as variable area, as distinguished from variable density, sound recording. As explained by the Examiner: "Two types of records may be made. A variable density record [is one] in which the light modulator causes a constant area projected on the film to vary in light intensity linearly with the sound intensity and frequency. A variable area record [is one] in which the light modulator causes a constant intensity light projected on the film to vary in area linearly with the sound intensity and frequency." See "Examiner's Statement on Appeal before the Board of Appeals," R. 33. See also Types of Film Recording, L. E. Clark and John K. Hilliard, Chapter III, p. 24, Motion Picture Sound Engineering (D. Van Nostrand Company, Inc., 1938).

[4] The sound track is shown in the illustration in the form of a positive rather than a negative. Actually in the art, as it is now being described, the line of light produces a film which when developed is a negative—so that that portion of the film which is exposed to the variations of the line of light is opaque and the remainder transparent.

[5] In explaining this, the appellant Poulsen testified: "It will be seen that we start in the middle of the sound track. A line of light was in those days always so adjusted that the end of the light line was in the middle of the sound track, so that when there would be no sound half of the track would be exposed and the other half would be unexposed, and therefore after development half of the track would be black and the other half would be transparent."

[6] A photoelectric cell consists of a glass bulb silvered internally. On this inner coating is deposited a thin layer of some metal such as potassium or selenium. In the center of the bulb there is arranged a collecting electrode supported on a wire sealed directly through the glass. A connection is made to the metal in the same way. The silver is removed from a certain area of the glass so as to allow light to enter the cell. Exposure of the metal to light generates an electric current. The function of the cell in respect of the art under discussion is thus to transform variations in light into variations in an electric current. 17 Encyclopaedia Britannica (14th ed. 1929, 1932) 792.

[7] This production of background noise may be further explained as follows: ". . . . These foreign particles, in passing the scanning aperture [of the photoelectric cell], interrupt the light beam in the same manner as a modulation wave, and so produce undesirable noise in contrast to the signal itself, which is producing the wanted sound. Since these particles are located at random throughout the clear area of the track, their power of modulation is proportional to the width of the clear track area. . . . Without modulation, that is, with no signal recorded on the track and without noise reduction, the widths of the clear and opaque areas are equal. The division line between these two areas is known as the zero line or base line, and is the axis of the recorded wave during modulation. . . . At low modulation levels the clear area width is excessive and as a consequence the foreign particles mentioned above are present in a relatively large extent, which results in a serious prominence of ground noise. The obvious remedy is the reduction of the excessive width of the clear portion of the track during low modulation levels. . . ." Noise Reduction. Fred Albin, Chaper IV, Motion Picture Sound Engineering (D. Van Nostrand Company, Inc., 1938).

Since the occasion of this background noise was the excessive width of the clear portion of the sound track in periods of silence, inventors sought to solve the problem of background noise by bringing the median or zero line of the sound track variations near to one side of the track during silent periods. We are thus brought to a discussion of the references Hewlett and Robinson, for these inventors in this manner accomplished the solution of this problem. Their methods were so similar that they can be discussed together. Hewlett and Robinson made two changes in the system of sound recording outlined above: First, by means of an initial mechanical adjustment of the oscillograph mirror *c* of Illustration I, they so fixed the transversely disposed line of light impinging upon the sound track that its recording end was at one edge of the track in periods of silence, rather than at the middle. Second, they adjusted the apparatus in such manner that the median or zero position of the recording end of the line of light was moved transversely across the track, that is to say, away from the edge, as sound was produced and increased in intensity. As a result the zero line[8] became a curved line varying with sound amplitude, rather than a straight line down the middle of the sound track as in the prior art. The result of these adjustments is shown in Figure C of Illustration II, where the line *a a'* represents the position of the recording end of the line of light during periods of silence, and the curved line *b x b'* represents the transverse disposition of the zero line during periods when sound is being produced. The first adjustment was made in order that when no sound was being recorded the transparent area (represented by the narrow white strip between the lines *a a'* and *c c'* in Figure C) would be at a minimum, thus substantially eliminating the occasion of background noise. The second adjustment was made in order to accommodate to the sound track, so far as possible, as the intensity of sound increased, the peaks of the variations described by the recording end of the line of light.

In order to accomplish the second adjustment, Robinson and Hewlett branched off through a rectifier, indicated in Illustration I, connected in parallel with the rest of the system, a part of the alternating current as it came from the microphone. This rectifier converted the alternating current into direct current, and the latter was returned to the system and passed on through the oscillograph. The direct current thus produced varied in volume in accordance with changes in amplitude of the sound and its effect upon the oscillograph was to cause the mean position of the same to move in a manner independent of the oscillograph oscillations caused by the sound modulated alternating current; and this independent motion produced by the direct current was such that as sound amplitude increased, the median position of the recording end of the line of light, which latter had been set by the first adjustment at the edge of the sound track in periods of silence, was carried transversely toward the opposite edge of the track.[9] Upon this solution of the problem of eliminating background noise Robinson and Hewlett were granted their patents.

But, unhappily, this solution of the problem of background noise produced another problem for the art. To understand that problem it is necessary to refer again to the art of sound recording and reproduction as it stood before Robinson and Hewlett. It will be seen from an examination of Figure A in Illustration II that some of the peaks of the variations of the recording end of the line of light fall outside the margin of the sound track. This was because it is necessary to keep the sound track somewhat narrow, since most of the film must be devoted to the visual images, and when especially loud sounds occur the wide variations produced by them will exceed the width of this narrow track. The effect of this was to cause a distortion of sound—referred to in the art as the introduction of harmonics. This is explained by the appellant Poulsen thus:

> In sound recording one is always trying to keep the maximum peak of the recorded sound inside the border of the sound track in order to avoid distortion, because if it is going beyond it will be masked off either in recording or in reproduction or both, so what is outside is not only not recorded, but on account of the sudden cut-off, the sharp cut-off, distortion will be introduced. Technically, it is expressed by saying that harmonics are introduced. Like in radio, if you overload a radio tube you cut off the maximum peaks and the sound is distorted. Now, whereas one will always try to avoid such cut-off, it is not in practice always possible to avoid it because the volume of sound may suddenly and unexpectedly go up. For instance, if an actor is shouting, or if you have a shot of a gun, or something like that.

In the art prior to Hewlett and Robinson, this distortion was not a serious obstacle to good sound

[8] There will be noted in the text the use of the phrases "zero line" of the sound track variations, "zero position" of the recording end of the line of light, "median line" of the sound track variations, and the like. This is the phraseology of the record. It is superficially confusing in that the word zero seems to be used in connection with both rest and motion and in connection with the position of the recording end of the line of light when at the edge of the track and when away from the edge and also when at the center. But the confusion will be dissipated if it be borne in mind that, as explained in footnote 7 above, by the zero line is meant the division line between the widths of clear and opaque areas upon the sound track [when developed into a negative] in periods of silence and the axis of the recorded wave during periods of sound. The term median line is usually used interchangeably with zero line to describe the axis of the recorded wave during periods of sound; the term zero position is applied to the position of the recording end of the line of light in periods of silence. The terms "average exposure" and "average position" are also used in the record as synonymous with "zero line" and "median line."

[9] This was explained by the appellant Poulsen as follows: "Now, this rectified current, as it is rectified from the alternating current, will always be in accordance with the volume of the sound. If you have a weak sound it will be small, and if you have a more powerful sound it will be greater. So the end of the light line, or the recording edge of the light line will be removed, or I should say the average position of the recording edge of the light line will be removed towards the other side of the sound track. We may express that by saying that a variable bias was produced on the zero line."

reproduction because the zero line then ran down, and was never displaced from, the middle of the sound track; hence, when the variations produced by loud sounds exceeded the width of the track, the excess was equal on opposite sides, and the variations were thus cut off symmetrically. This is shown in Figure A of Illustration II. And where the cut-off is symmetrical the distortion of sound is not serious.[10] But in the art as modified by Hewlett and Robinson, the cut-off of the extreme peaks of variations produced by loud sounds was asymmetrical—on one side only—as shown in Figure C. This was the necessary result of the two adjustments made by Robinson and Hewlett, the first of which, as above explained, set the recording end of the line of light at one edge of the track in periods of silence and the second of which carried the median line toward the opposite side as sound commenced and increased in amplitude. This distortion was harmful.[11]

It was this problem of asymmetrical distortion that the appellants sought to solve. If they were to solve it usefully, they must not merely eliminate the distortion produced by asymmetrical cut-off of the light variations—they must also preserve the advance of Robinson and Hewlett in the elimination of background noise. They did both.

The appellants introduced into the art as it stood under Robinson and Hewlett the following changes: First, they mechanically adjusted the position of the oscillograph mirror so that the recording end of the line of light would fall at the middle of the sound track, at the point designated *a* in Figure D of Illustration II, in the absence of the flow of any current through the oscillograph loop. Second, by means of a battery *f* placed, as shown in Illustration I, between the rectifier and the point of re-entry of the rectified current into the system, they introduced into the system a direct current bias. The effect of this, operating alone, was to move the oscillograph mirror in such manner as to carry the recording end of the line of light close to, but not beyond, the edge of the sound track—to the point *b* in Figure D of Illustration II. Since this direct current entered the system from an external source it was not a sound modulated current, and therefore in this position of the recording end of the line of light the system was still free of any current actuated by the production of sound. Third, the appellants constituted such a relationship between the direct current bias and the rectified current (which, as above explained, operated, as a result of, and in accordance with, variations in sound amplitude, to move the oscillograph mirror independently of its oscillations) as to cause the variation in the rectified current, as sound was produced and increased in intensity, to oppose with constantly increasing effect the direct current bias; and this adjustment was so made that when loud sounds were produced the oscillograph mirror swung the zero line back to, but not beyond, the middle of the sound track. It swung back to the middle because the effect of the direct current bias to set it over to the edge, as above explained, was neutralized; it did not pass beyond the middle because the effect of the rectified current to displace the zero line as sounds increased in intensity was also at that point made no longer effective. In consequence, the median line of the variations described by the recording end of the line of light was kept within definitely predetermined limits: one, the edge of the track, the other, the middle. Thus the median line took the form *b d b'* in Figure D of Illustration II. The result of this was that where the amplitude of sound was such as to produce variations in the recording end of the line of light which were wider than the sound track, the excess was cut off equally on each side of the track, rather than unequally as in Robinson and Hewlett.[12]

The question before the Patent Office was whether this solution by the appellants of the problem of asymmetrical distortion was patentable.

The claims of the appellants which define the method and apparatus just described are those numbered 72, 73, 74, 76, 77, 78 and 79:

72. The method of producing a photographic sound record comprising the following steps: directing a light beam onto a moving film so that it receive a transversely disposed extremely narrow strip of light, variably exposing the film in accordance with the amplitude of each individual sound wave, controlling the light impinging on the film to vary the average exposure of the film as the volume of the sound to be recorded varies, and *holding the variations of the average exposure between predetermined lower and upper limits.*

73. The method according to claim 72 and in which the *lower limit* of the average exposure variation is approximately *zero.*

74. The method according to claim 72 and in which the *upper limit* of the average exposure variation is substantially *midway between zero and full exposure.*

76. In a photographic sound recording system including a moving film, a source of light and a light flux controlling element, sound modulated alternating current means for controlling said element to expose the film in accordance with the amplitude of each individual sound wave, and biasing means for controlling said element *to vary the average exposure of the film between a predetermined lower and a predetermined upper limit.*

77. The recording system according to claim 76 and in which the *lower limit is approximately zero.*

78. The recording system according to claim 76 and in which the *upper limit is substantially midway between zero and full exposure.*

79. The recording system according to claim 76 and in which *a source of unidirectional current applies a constant bias on said element,* and means for applying a rectified portion of the alternating current to *reduce the bias* substantially to zero as the sound volume increases from zero to *a predetermined maximum.* [Italics supplied.]

The findings of fact of the trial court describe as follows that feature of the appellants' apparatus which the appellants claim constitutes invention:

It is therefore a characteristic feature of plaintiff's apparatus that the zero position of the oscillograph about which it oscillates is moved to said initial position [13] when the sound reaches said predetermined maximum and maintains this position even if the sound volume increases above said maximum value. Consequently the cut-off of sound amplitudes exceeding this value will be symmetrical and harmful distortion will be avoided.

Plaintiff's system will produce a negative sound record in which the average exposure varies between a lower limit which is substantially zero, and an upper limit which is substantially midway between zero and full exposure.

The findings also recognize that the patents to Robinson and Hewlett do not disclose "any means for limiting the average exposure of the sound record to any given proportion of its entire width." Notwithstanding this the trial court concluded, in respect of the appellants' claims above set forth, that no invention was involved.[14]

The initial rejection in the Patent Office of the claims now being discussed was explained in the "Examiner's Statement on Appeal before the Board of Appeals" thus:

Claim 72 is rejected as fully met by the Hanna, Robinson, and Hewlett patents. The claim reads directly on the references as it is composed of two steps, the recording of the sound record and the recording of the volume record. "Holding the variations of the average exposure between predetermined lower and upper limits" is a required normal adjustment of the recorder in order that the record may be confined to the record track area allotted therefor.

Claims 73 and 74 were rejected as depending upon claim 72. Claims 76, 77, 78,[15] and 79, being the apparatus as distinguished from the process claims, were similarly disposed of.

The Board of Appeals followed the recommendation of the Examiner against the claims now under discussion. But it did not adopt the Examiner's idea that holding the variations of the average exposure between predetermined lower and upper limits in Poulsen and Petersen had been accomplished in Robinson and Hewlett by confinement of the record "to the record track area allotted therefor." The Board of Appeals said:

Claim 72 has been rejected on the patents to Hanna, Robinson, and Hewlett. Appellants concede that all the elements of this claim, except the last, are found in the prior art, but contend that the last element calls for the step of holding the variations of the average exposure, that is, the zero line between predetermined lower and upper limits because in all prior structures only one limit is set, the zero line being permitted to shift past the center line of the track. It is not seen that the fact that the zero line is permitted to shift past the center line indicates that it does not have a limit somewhere beyond the center line. The rejection of this claim appears to have been properly made.

The same point of view as that expressed by the Examiner and the Board of Appeals is urged by the Commissioner on this appeal and was, we assume, also urged upon and accepted by the trial court. The Commissioner's brief states:

Claim 72 recites that the variations of the average exposure are held between predetermined upper and lower limits. It does not state what these limits are and the Board of Appeals was of the view that in devices of the Robinson and Hewlett patents there must be limits somewhere to the average exposure, and that the claim does not distinguish patentably from either of the patents.

The rejection by both the trial court and the Patent Office was thus upon the ground of anticipation. The Patent Office seems to have raised no question in its own tribunals or in the trial court, and seems to raise none on this appeal, concerning utility.

We think that the appellants' improvement was not anticipated in Robinson and Hewlett and that the rejection by the trial court and the Patent Office was demonstrably the result of clear error in respect of the foundation for rejection. As appears from the foregoing quotations from the Examiner's statement, from the decision of the Board of Appeals, and from the Commissioner's brief on this appeal, what decisively moved the Patent Office, and apparently the trial court, to rule that the appellants' process and apparatus are not patentable over Robinson and Hewlett was the concept that in Robinson and Hewlett there was some predetermined upper (as well as lower) limit beyond which the zero line of the variations described by the recording end of the line of light could not shift—whatever the amplitude of sound. But the description above of the construction and operation of the Robinson and Hewlett apparatus shows that this is not correct. In Robinson and Hewlett the oscillograph mirror is adjusted mechanically so that the recording end of the line of light is close to the margin of the track during periods of silence; and the rectified current reintroduced into the system and carried through the oscillograph loop operates to shift the median line of the variations back toward the center of the track as sound commences and increases in amplitude. See Figure C of Illustration II. But nothing is described in Robinson and Hewlett which will prevent the zero line from going as far past the center of the track as

[10] On this subject Poulsen testified: "In normal sound recording this did not produce a very harmful distortion because if the zero line was in the middle of the track the cut-off would be symmetrical, the sounds would be cut equally off on both sides of the sound track, and thereby some of the harmonics which are introduced are entirely elliminated."

[11] Poulsen testified: "But in the noiseless recording invented by Robinson and Hewlett, as shown in Fig. D [sic], the cut-off will not be symmetrical. It will be asymmetrical. Only the peaks on one side will be cut off, and will be cut off double as much as they would be cut off in the normal recording, assuming that the overshooting is the same in both cases.

"Now, this asymmetrical cut-off is causing a very harmful distortion which can be heard. So at the same time as this reduction of the background noise was obtained a rather harmful effect of distortion was introduced.

"Q. Could the average audience in a motion picture house discover or notice this distortion? A. Oh, yes.

"Q. Could you describe the nature of the distortion more specifically? A. As I said before, by the cutting off harmonics or overtones are introduced."

[12] This was explained in more detail by Poulsen as follows: "We introduced in series with the rectifier a constant D. C. bias, represented in the figure by a battery, and we adjusted the connections in such a way that the variable bias produced by the rectifier would oppose the constant D. C. bias, so as to reduce the constant D. C. bias the greater the sound amplitudes are. At the same time we adjusted our oscillograph in a different way, whereas Robinson and Hewlett adjusted the oscillograph so that when it was current-less, when there was no current in it, the edge of the light line would be close to the edge of the track, and we adjusted the oscillograph so that when there was no current in it the end of the light line will be at the center of the track. That is one thing.

"Then our second step is to introduce this constant D. C. bias and by means of that to remove the light line so as to be near the one side of the sound track, and then when the sounds are coming in we reduced the constant D. C. bias by means of an opposing variable bias, so that the D. C. bias is gradually reduced, and we adjusted the values, so that just before any cut-off takes place the constant D. C. bias will be reduced to zero, whereby the oscillograph will again be moved towards the middle of the sound track, or I should say the light line will again be removed towards the middle of the sound track."

[13] By this the trial court obviously means the center of the track.

[14] The conclusions of law pertinent to the claims now under discussion read as follows:

"It was not invention to substitute means for limiting the average exposure of the sound record between a minimum of zero and a maximum midway between zero and full exposure for the mechanical and electrical biasing means disclosed in each of the patents, Hewlett No. 1,853,812 and Robinson 1,854,159."

"None of the plaintiffs' claims 49, 72, 73, 74, 76, 77, 78, and 79 distinguishes patentably from any one of the patents, Hewlett No. 1,853,812, Robinson No. 1,854,159, or Hanna No. 1,888,724."

"It was not invention to substitute means employing a direct current for biasing the oscillograph to a zero position near one edge of the sound track, as set forth in plaintiffs' claim 79, for the mechanical biasing means disclosed in each of the patents, Hewlett No. 1,853,812, and Robinson No. 1,854,159."

The findings of fact concern themselves solely with the apparatus claims. The conclusions of law, however, concern themselves with all of the claims, both apparatus and process, and the decree of the trial court had the effect of rejecting all of the claims which we are now discussing.

[15] The Examiner did not in terms mention claim 78, but this was an apparent inadvertence.

the amplitude of sound, however great, will carry it. Thus there was a predetermined lower limit, but not a predetermined upper limit, in Robinson and Hewlett. And since it was precisely the establishment of the upper limit for the median line at the middle of the sound track (keeping the lower limit nevertheless at the edge so as to avoid background noise) that was the heart of the appellants' solution of the problem of asymmetrical distortion, the error of the Patent Office and the trial court went to the core of the question of anticipation.

Apparently the Patent Office was misled, in respect of anticipation of the appellants' device and method by Robinson and Hewlett because, in its comparison of the appellants' device with that of Robinson and Hewlett, its attention was in the large concentrated upon the elimination of background noise rather than upon the solution of the problem of asymmetrical distortion. Of the latter the Examiner's statement makes no mention. It states:

> The subject matter of this [the appellants'] application concerns the modification of a standard sound on film recorder, in order to eliminate or materially reduce the ground noise inherent in the film, which on reproduction of the record is objectionable in silent periods and when the intensity of the sound is low.

And in the discussion of the prior art the Examiner's statement concerns itself largely with the problem of background noise elimination. While the decision of the Board of Appeals mentions the subject of distortion, it does so in connection with certain allowed claims whose method of avoidance of distortion was quite different from that of the claims with which we are immediately concerned here.[16]

Although the Commissioner's brief on appeal recognizes that

> "It is appellant's contention that inasmuch as the zero line of the oscillations cannot be displaced beyond the midline of the sound track the extremities of the oscillations will be equally cut off at both edges of the sound track and therefore no substantial distortion of the sound will be caused even if the oscillations are not confined entirely to the sound track."

the brief immediately goes on to state that in both Robinson and Hewlett

> "the same result is sought as in the appellants' apparatus and method."

And at the outset the brief of the Commissioner states that

> "The end sought by appellants and by other and prior inventors *is to avoid the background noise* by eliminating as far as possible the transparent areas." [Italics supplied.]

With the attention of the Patent Office thus upon the subject of the elimination of background noise, it was not unnatural that it should be misled in respect of the subject of anticipation. For it is true that insofar as the appellants in solving the problem of distortion, the asymmetrical cut-off, sought to save for the art the advance made by Robinson and Hewlett in eliminating background noise, they pursued the same method as Robinson and Hewlett, to wit, a moving of the recording end of the line of light close to the edge of the track in periods of silence so as to avoid a transparent area. Had the attention of the Patent Office been directed not merely to the elimination of background noise but to the whole of the appellants' accomplishment, i. e., the solution of the problem of asymmetrical distortion without sacrifice of the advance of the art in respect of background noise, it must have noted the crucial difference between the process and apparatus of the appellants and that of Robinson and Hewlett.

We think moreover that the improvement made by the appellants, simple though it may seem from the point of view of hind sight, was inventive in character. As said by Judge Learned Hand in *Van Heusen Products* v. *Earl & Wilson*, 300 Fed. 922, 929 (S. D. N. Y., 1924):

> "Is it not clear that the quality of a man's inventiveness must be tested by reconstituting the situation as it was in the light of the preceding history of the art?"

When the situation which confronted the appellants at the time they commenced work upon the problem of distortion through asymmetrical cut-off is viewed in the light of the art as it then stood—under Robinson and Hewlett—the approach was apparently to an unsolvable problem. The appellants must not only venture upon an uncharted sea—no one had yet attempted solution of this problem of distortion—but also they must apparently sail between the Scylla of distortion and the Charybdis of background noise, for it was precisely the step found necessary by Robinson and Hewlett to the elimination of transparency—the occasion of background noise—that produced asymmetrical overlap and cut-off. Production of distortion thus seemed inescapably the price of the elimination of background noise. Putting this more concretely: If the appellants were to solve the problem of distortion and at the same time retain for the art the advance made by Robinson and Hewlett, they must go contrary to the teaching of the art as it stood under Robinson and Hewlett. For the latter, in order to eliminate transparency, set the oscillograph mirror so that initially, in the absence of sound, the recording end of the line of light was at the edge of the sound track; the appellants set the mirror so that initially, in the absence of sound, the recording end of the line of light was at the middle of the track. True, the appellants then swung the recording end of the line of light over to the edge, and swung the zero line back as sound was produced and increased in intensity. But their first step was nevertheless flatly contrary to that of Robinson and Hewlett. We think it took that boldness, clarity of vision and ingenuity characteristic of invention, as distinguished from mechanical skill, to attempt the voyage upon which the appellants set out and to sail it successfully so that at the end both the Scylla of distortion and the Charybdis of background noise were eliminated for the future of the art.

[1] It is noteworthy that in three of the leading cases on the subject of invention this same boldness and success in solving an apparently unsolvable problem were involved. In *Van Heusen Products* v. *Earl & Wilson*, referred to above, the problem was to preserve the comfort of a collar without starch and at the same time attain the shapeliness of a collar with starch. The invention provided a collar of multiple-ply interwoven fabric sufficiently stiff to maintain its shape without the employment of starch, but sufficiently pliable nevertheless to assume the necessary curvatures to fit the neck of a wearer without undue rigidity. The solution was through the use of the multiple-ply interwoven fabric. In *Wach* v. *Coe*, 64 App. D. C. 235, 77 F.(2d) 113 (1935), the problem was that of applying the power of a reciprocating steam engine and of a turbine—an exhaust steam engine receiving its steam from the reciprocating engine—to the same propellor shaft in a steamship. Since a reciprocating engine runs at low speed and with uneven torque and a turbine at high speed with even torque, the problem was apparently unsolvable to marine engineers. It was solved by introducing at the connection between the propellor shaft driven by the reciprocating engine and the shaft of the turbine three elements in series—a reduction gear, a hydraulic coupling, and a second reduction gear. In *Smith* v. *Snow*, 294 U. S. 1 (1935), the subject of invention was artificial incubation of eggs. Prior to Smith successful incubation had been thought dependent upon absence of artificial air currents, but without such currents of air incubation was restricted to small lots and to an unstaged process apparently required because of the endothermic and exothermic periods in the development of the embryo. Smith nevertheless introduced controlled air currents and staged incubation, and thus hatched eggs successfully in large lots. In each of these three cases the advance, simple as it was, was held patentable. Simplicity, indeed, is frequently a mark of invention. *In re Reckford*, 62 F.(2d) 842 (C. C. P. A., 1933).

[2] Moreover, it can hardly be said that the step taken by the appellants in eliminating distortion was less inventive in character than that taken by Robinson and Hewlett in eliminating background noise. While the rule of stare decisis does not apply to decisions of the Patent Office, there is a presumption of correctness in such decisions, and if what the appellants did is at least as inventive in quality as what Robinson and Hewlett did, the granting of a patent to the latter should be persuasive in respect of the right to a patent by the former. As the art stood when Robinson and Hewlett commenced to work upon the problem of background noise, it taught that background noise was occasioned by transparency and that transparency existed on half of the track during periods of silence since in periods of silence as well as of sound the zero line was at the middle of the track. It therefore might have been thought that the art taught Robinson and Hewlett that, in order to avoid background noise, the zero line must be moved to the edge of the track in periods of silence. But the Patent Office thought otherwise. If it was inventive in character, as the Patent Office held, for Robinson and Hewlett, in the then state of the art, to move the zero line to the edge of the track to avoid transparency and background noise in periods of silence, it was, we think, a fortiori, inventive for the appellants, after Robinson and Hewlett, to move the zero line back to but not beyond the center in order to avoid distortion during periods of sound.

[3] Since in our view the findings and conclusions of the trial court and the rulings of the Patent Office were in clear error on the question of anticipation, and since we think it clear also that the appellants' advance was inventive in character, we are obliged to reverse in respect of claims 72, 73, 74, 76, 77, 78, and 79. *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.(2d) 449 (1939).

There remain for discussion claims 49 and 70. Claim 49 reads as follows:

> 49. An apparatus for producing a photographic sound record of the variable width type comprising means for directing a beam of light onto a moving film so as to form a transversely disposed narrow strip of light on the film, means actuated by a sound responsive current for varying the length of the strip of light in accordance with the amplitude of the sound, a thermionic tube arranged so that its plate current actuates light varying means, means for applying a biasing potential to the grid of said tube, means actuated by a rectified portion of the sound responsive current for controlling said biasing potential in accordance with the volume of the sound so as to cause the plate current of the tube to vary in accordance with the volume of the sound, *the apparatus being so adjusted that the zero line of the sound trace*

[16] Claims 56 and 65 exemplify the distortion correction system with which the allowed claims are concerned.

"56. A system for recording sounds on a light-sensitive film comprising means for converting the sounds into a varying electrical current, a light source, a mirror oscillated by said current and reflecting a bundle of rays from said light source towards the film, means to concentrate said rays on the surface of the film to form a transversely disposed linear strip of light on same, a rectifier for rectifying a portion of said current, a thermionic amplifier, a wire loop carrying said mirror and inserted in the plate circuit of said amplifier and a resistance inserted in the circuit of the rectified current and connected across the grid circuit of the thermionic amplifier in order that the grid-bias should vary in accordance to the magnitude of the rectified current for the purpose of causing corresponding variations of the plate current of the amplifier, whereby the mean position about which the mirror is oscillated by the influence of the varying current into which the sounds are converted, is altered in dependency of the magnitude of the sound amplitudes so as to cause the zero-line of the recorded sound to be displaced transversely to the film from an initial position at one edge of the film towards the middle of the same at a rate increasing for increasing amplitudes of the recorded sounds, the conductivity of the last mentioned circuit being adjusted so as to cause that *the variations of the rectified current, corresponding to increasing sound amplitudes, to be effected more quickly, and the variation of the same current corresponding to decreasing amplitudes to be effected more slowly than the variations in the sound amplitudes.*"

"65. A system for recording sounds on a light sensitive film comprising means for converting the sounds into a varying electrical current, a light source, means to concentrate a bundle of rays from said light source onto the surface of the film to form thereon a transversely disposed linear strip of light, means to cause said bundle of rays to vary so as to cause the exposure of the film to vary in accordance with the volume of the sound, a rectifier rectifying a portion of said varying electrical current, and a circuit through which the said rectified current influences the sound recording means to cause the said bundle of rays to oscillate dependent on the volume of the sound to be recorded, the electrical constants of at least one of the circuits through which the rectified current acts upon the sound recording member being of such a value that *the rate of decrease of the current acting upon the recording means is greater during increase of the sound intensity than the rate of increase of the peak value of the alternating current.*" [Italics supplied.]

The effect referred to in the italicized portion of these two claims is exemplified in Figure D of Illustration II at the points marked *c* and *c'*. The allowed claims thus do not have to do with the subject matter of the rejected claims, that is, with the elimination of distortion by restricting the upper limit of the median line to the center of the sound track no matter what the amplitude of the sound.

takes up such an initial position [17] *relatively to the sound track that, when the plate current attains a zero value, the zero line moves from the said initial position into the center line of the sound track,* said apparatus including an oscillograph for directing the beam of light onto the film and for swinging the beam in accordance with the amplitude of the sound, in which the loop of the moving system of the oscillograph is connected in the plate circuit of the thermionic tube *in series with two ohmic or inductive resistances, which are arranged one on each side of the loop, with a condenser connected across the said resistances and the loop, in order to prevent current of audible frequencies in the plate circuit from affecting the mean position of the moving system of the oscillograph.* [Italics supplied.]

So far as the first italicized portion of claim 49 is concerned, the claim was rejected by the Examiner and by the Board of Appeals upon the same ground as that upon which the claims first discussed were rejected, that is, upon the mistaken theory that in Robinson and Hewlett there was a predetermined upper limit to the transverse movement of the median line of the light variations. The findings of fact of the trial court do not mention claim 49 specifically. In conclusion of law No. 5, the claim is rejected with claims 72, 73, 74, 76, 77, 78, and 79, as not distinguishable patentably from Hewlett, Robinson, or Hanna.[18] This rejection is apparently upon the same ground as that which actuated the Patent Office. The views we have expressed above in respect of claims 72, 73, 74, 76, 77, 78, and 79 therefore require the conclusion that so far as the first italicized portion of claim 49 is concerned the rejection was improper.

Claim 49 was rejected, so far as the second italicized portion is concerned, by the Examiner, the Board of Appeals and the trial court on the theory that it was not patentable over Hewlett, Robinson, and Hanna. The rejection by the trial court, in conclusions of law Nos. 2 and 3, was apparently on the basis of the action of the Patent Office. The appellant Poulsen explained this portion of claim 49 in terms of Figure 4 of his drawings appearing in Illustration III below, in terms of Figure 1 of the Hewlett drawings shown in Illustration IV, and in terms of Figure 1 of the Robinson drawings appearing in Illustration V.

Illustration III

Figure 4 - Poulsen Drawings

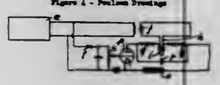
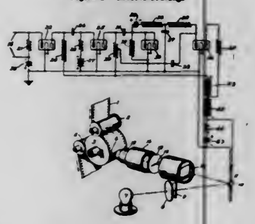


Illustration IV

Figure 1 - Hewlett Drawings

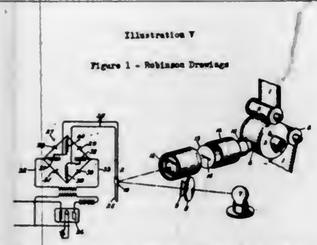


[17] The initial position here referred to is the edge of the track, to which the recording end of the line of light has been swung—from the center—by the direct current bias.

[18] As stated at the outset of this opinion, Hanna is not now relied upon by the Commissioner.

Illustration V

Figure 1 - Robinson Drawings



Poulsen's testimony respecting this part of claim 49 was:

This is a rather restricted claim, referring to certain details of our circuit, which are not to be found in any of the cited patents. It refers to Fig. 4, where in the plate circuit of tube *p* two resistances *q* are inserted in series with the oscillograph, and a condenser *r* is connected in parallel to the two resistances and the oscillograph.

The object of this arrangement is to eliminate from the oscillograph any trace of audible current which may have been left in the rectified current which is applied to the loop as a result of the rectification and the smoothing of that rectified current.

When you rectify a current, it will have a wavy curve. It is consisting of all the half waves, for instance, all the positive half waves, of the alternating current, and therefore, it will be a pulsating current.

Now, these variations would be audible if they were not smoothed out, and therefore a smoothing circuit is applied in connection with the rectifier, but there may be still some small traces of alternating current left; and it would be harmful to add them to the original alternating current in the oscillograph. If you did not eliminate them entirely, they would go into the record and produce some distortion, and therefore this arrangement has been added in order to entirely eliminate any trace of ripples in the rectified current.

This is not found in any of the references cited in the case, and I believe there has been some misunderstanding in the Board of Appeals as to the object of this circuit.

Q. The resistances and the inductances and the capacities with which the prior patentees deal, will you state how these are connected or in what portions of their circuits they are connected? A. They are all forming part of the smoothing circuit in connection with the rectifier.

For instance, in the Robinson patent the inductances 40 in Fig. 1 are inserted in order to smooth out the ripples.

And in Hewlett's patent, resistances 36–38 and the condenser 37 are inserted in order to smooth out the ripples.

Also in Hanna an inductance 33 and condensers 34 are shown in the smoothing circuit, but they are all placed in the smoothing circuit.

Q. In the smoothing circuit of the rectifier? A. In the smoothing circuit, yes, and they are all affecting the time constant of the rectifying circuit.

Q. And will you state it again as distinguished from that, what your patent does? A. As distinguished from ours, which are inserted in the plate circuit in which the oscillograph is inserted, *and are distinctly separate from the rectifying circuit.* [Italics supplied.]

We think it appears from this testimony that the only difference claimed for this filter or smoothing device is that it is inserted in the appellants' system separate from the rectifying circuit, whereas in Robinson and Hewlett it is a part of the same. We do not think it can be said that the Patent Office and the trial court were clearly mistaken in holding this not a patentable difference.

Claim 70 reads as follows:

70. A system for recording sounds on a light-sensitive film comprising means for converting sounds into an alternating current, a light source, means to concentrate a beam of light from said light source onto the surface of the film so as to form thereon a transversely disposed linear strip of light, means to cause the exposure of the film to vary in accordance with the alternating current, a rectifier rectifying a portion of said alternating current, and a smoothing circuit through which the rectified current influences said sound recording means to cause the exposure to vary dependent on the volume of sound, *the electrical constants of the rectifier and said smoothing circuit being so adjusted that the time constant of the total rectifying circuit is of smaller value when the rectifier is operative than when it is inoperative.* [Italics supplied.]

The italicized portion describes the claimed patentable advance. The claim was rejected by the trial court (in conclusion of law No. 6) and by both the Examiner and the Board of Appeals upon the ground that it did not meet the demands of R. S. § 4888, 35 U. S. C. A. § 33. This requires the application for a patent to be

"in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which it appertains, or with which it is most nearly connected, to make, construct, compound, and use the same . . . ."

The Examiner thought the claim vague since

"a comparison between the time constants during operation and inoperation is meaningless because during periods of inoperativeness the time constant does not exist. Further, what constitutes the 'Total rectifying circuit' is not specified."

The Board of Appeals said that it was not clear to it what the claim meant. The appellants' brief attempts to justify the claim by saying:

The italicized passage, which is concededly novel, means that the smoothing circuit is so adjusted that the time constant of the total rectifying circuit is of smaller value when the current is flowing through the rectifier than when no current is flowing through the rectifier.

Poulsen testified:

That expression that the rectifier is operative or inoperative was held vague and meaningless by the Examiner. But it is well understood by those skilled in the art that a rectifier is operative when a current is flowing through it and inoperative when no current is flowing through it.

In respect of this aspect of claim 70 we are in accord with the views of the trial court and the Patent Office that it was not sufficiently definite to comply with R. S. § 4888. We therefore affirm the ruling below in respect of claim 70.

This case is therefore reversed in part, affirmed in part, and

Remanded to the trial court for further proceedings not inconsistent with this opinion.

U. S. Court of Customs and Patent Appeals

IN RE ABERNATHY

No. 4,447. Decided March 31, 1941

[118 F.(2d) 358]

PATENTABILITY—METHOD OF PAVING A ROAD.

Certain claims to a method of paving a road *Held* unpatentable over what is claimed in applicant's own prior patent.

APPEAL from Patent Office. Affirmed.

Mr. Harold I. Popp and *Mr. Joseph W. Milburn* for Abernathy.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

There are involved here four claims numbered, respectively, 15, 18, 21, and 23 relating to a method of road paving, particularly, the application states, "to a method of laying stone and asphalt mixes upon roadways * * *."

It appears that appellant, on February 22, 1938, received a patent, No. 2,109,020, for a road paver, issued upon an application, Serial No. 744,933, filed September 21, 1934, and the instant application, which was filed February 26, 1935, recites that it is a continuation in part of the application upon which the patent was granted.

The Examiner took the view that the claims (all being method claims) are not patentably different from the paving structure claimed in the patent. So, he rejected them. His decision was affirmed by the Board, and by appeal the case is brought before us for review.

The patent so cited is the only reference. It being appellant's own patent, issued less than two years before the filing of the present application, it is pertinent here only as to what is claimed therein.

Claims 15 and 21 are illustrative of the subject matter of the application. They read:

15. As a continuous process, the method of paving a road with paving material consisting of mixed aggregate and a binder, which consists in depositing an excess of material on the surface to be paved, reciprocating a strike-off member horizontally along said material to grade the material and elevating and depressing said strike-off member in response to the undulations of the surface to be paved and at the same time in response to the undulations of the freshly graded surface whereby the character of the graded surface is affected to a reduced degree by irregularities in the surface to be paved.

21. As a continuous process, the method of paving a road with paving material consisting of mixed aggregate and a binder, which consists in moving a column of said paving material of substantial height along the surface to be paved, and continuously cutting off the base of said moving column along a line elevated and depressed in response to the undulations, adjacent said column, of the surface to be paved.

The sole issue to be determined is whether the appealed claims are patentably distinct from the subject matter claimed in the patent, and, for purposes of comparison, we quote claim 1 of the patent:

1. In a road paver of the character described, a carriage, means for movably supporting the front end of said carriage and arranged to ride on the relatively rough surface to be paved, means intermediate the front and rear ends of said carriage for depositing an excess of paving material on the surface to be paved, means for cutting off said excess to provide a smooth graded layer, means for adjusting the elevation of said last means relative to said carriage to adjust the thickness of the layer of surfacing material being laid, and means for movably supporting the rear end of the carriage comprising a plurality of rollers adapted to traverse and roll the full width of the strip laid by said depositing means, said rollers being arranged one in advance of the other so that their paths overlap, and spring means interposed between at least one of said rollers and the frame whereby both of said rollers are at all times in contact with the finished surface and the level of the finished surface is determined by the differential in height between the means supporting the front end of the carriage and said rollers.

It was the opinion of the Examiner that the appealed claims "could be reconstructed into structure form without changing the sense thereof" and that they are "directed to the same invention as that of the patented machine." The Board agreed with this view, saying, inter alia:

When the prior patent expires, it seems to us that the public should be entitled to use the apparatus covered thereby in the manner which the patent teaches and which is set forth in certain of the patent claims. See, for example, claim 1, wherein it is stated that means is provided for movably supporting the front end of the carriage arranged to ride on the relatively rough surface to be paved and that means is provided for movably supporting the rear end of the carriage adapted to traverse and roll the full width of the strip laid by said depositing means.

While the patent claims may include these structural features somewhat more in detail than the claims before us, it is conceivable that apparatus claims could be drawn of substantially the same scope as the method claims here presented.

Before us appellant has urged that the paver described in the patent (as well as one described in another of appellant's patents) can be used commercially without practicing the process in issue. Just what is meant by the term "commercially" is not altogether clear to us. As we under-

stand appellant's argument on this point, however, it is based upon the fact that as to both his patents the pavers might ride on rails when supplied with flanged wheels, in which event the process of the appealed claims would not be carried out.

This argument is not impressive, because, even if it be conceded that rails might be used, it is clear and appellant's brief concedes that the pavers defined in both patents can be used without rails. Illustrative claim 1 of the patent quoted above definitely describes a device in which no rails are used, and we are unable to see how the machine defined in that claim could be operated without definitely carrying out every step defined in the appealed claims.

It is also urged by appellant that the process described in the appealed claims can be practiced without the use of the patented paver, as for example, by hand or "with apparatus strikingly different from that conceived by appellant."

Even if this be conceded, it would not settle the real issue of this case which, it may be repeated, is whether there is a patentable distinction between the subject matter of the appealed claims and that of the reference patent.

In this connection it may be said that the Examiner at one place expressed the view that the appealed claims are directed to the function of the machine, and appellant has discussed this at some length in his brief before us. It is well settled, of course, that process claims which claim merely the function of a machine are not allowable, but we do not find it necessary to consider that element here, because we are of the opinion that the appealed claims present no patentable distinction over the claims of the patent.

A case relied upon by appellant to support his contentions is that of *In re McKee*, 23 C. C. P. A. (Patents) 717, 79 F.(2d) 905, 462 O. G. 253. In that case separate applications, relating generally to ink marking carcasses (in meat packing), were filed in the Patent Office, one application being for apparatus and the other for method. McKee received a patent for the apparatus but the application embracing the method claims was rejected some time after the apparatus application had been allowed, the rejection by the Board being based upon the ground that to allow the method claims would result in double patenting. We reversed the decision of the Board, but the reversal was based upon a finding of fact. We were of the opinion that the method claims there involved embraced subject matter (of course, supported by the disclosure) which was patentably different from the subject matter of the apparatus claims.

A similar situation is not present here.

Each patent case, as so often has been said, must be determined, where questions of fact are controlling, upon its own state of facts.

In general, the case of *In re Arendt*, 22 C. C. P. A. (Patents) 885, 74 F.(2d) 765, 455 O. G. 7, is more nearly analogous to the instant case than is that of *In re McKee*, supra. See also *In re Fischer*, 19 C. C. P. A. (Patents) 1077, 57 F.(2d) 369, 420 O. G. 571; *In re Thompson*, 20 C. C. P. A. (Patents) 725, 62 F.(2d) 90, 427 O. G. 779.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE BECKER ET AL.

No. 4,452. Decided March 31, 1941

[118 F.(2d) 563]

PATENTABILITY—PROCESS FOR PRODUCING ARTIFICIAL GUT.

Claims for a process of producing artificial gut from animal fibrous starting materials *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Bailey and Larson (*Mr. Hugo Huettig, Jr.*, of counsel) for Becker et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for lack of patentability in view of the cited prior art, claims 3, 4, 14, and 15 of appellants' application for a patent. No claims were allowed.

Claim 3 illustrates the nature of the subject matter involved and reads as follows:

In a process for the production of artificial gut from animal fibrous starting materials by treating the said starting materials with swelling chemicals and finally with acids, shredding the swollen material, extruding the resulting swollen fibrous masses from a nozzle containing an annular orifice and drying the resulting artificial gut by rinsing with hot air, the improvement which consists in adjusting the temperature and relative humidity of the hot, drying air that the temperature of such hot, drying air when registered by a wet thermometer of a psychrometer arranged in such drying air does not exceed 25° C. and when registered by a dry thermometer arranged in such drying air is at least 41° C., whereby the temperature of the drying artificial gut does not exceed 25° C.

The references cited are: Hulbert, 1,581,803, April 20, 1926; Samuel, 1,656,681, January 17, 1928; Schulte, 2,039,262, April 28, 1936; Becker, 2,056,595, October 6, 1936.

In his statement the Examiner described the alleged invention as follows:

The subject matter sought to be protected is a process for producing artificial sausage casings and similar materials from fibrous pastes of protein materials swollen with water obtained from waste animal skins, etc. The fibrous paste is extruded through nozzles to form the paste in the desired shape and the shaped article is dried. The novelty on which reliance is placed is that the drying is conducted at such a temperature and humidity of drying air that the temperature of the product does not exceed 25° C.

Appellants' brief states:

In accordance with the present invention, the applicants have devised a simple manner in which the quality of the artificial gut produced is maintained uniform. The applicants discovered that the irregularities which were found present in the artificial gut after undergoing the hardening were caused by overheating the gut during the drying treatment after the extrusion of the gut to render said product coherent.

The applicants furthermore discovered that the temperature of the artificial gut being dried in the heated air corresponded to the wet bulb temperature of the heated drying air and not the actual temperature of the drying air, or, namely, the dry bulb temperature thereof. The wet bulb temperature of air is measured by a thermometer wherein the element measuring the temperature is surrounded by a moist material, such as, for example, a lamp wick which constantly absorbs water from a reservoir provided therefor. The rate of evaporation of the moisture from the wick which causes cooling determines the temperature recorded by the thermometer, and this rate of evaporation depends upon the actual temperature of the surrounding air as well as the relative humidity of the surrounding air. The relative humidity of air is the amount of moisture in the air with reference to the amount of moisture that could be held in the air at the temperature in question. In other words, if at a certain temperature the relative humidity of air is 50%, it means that the air contains only 50% of the moisture which it might contain when completely saturated.

The applicants furthermore discovered that the actual temperature of the heated drying air did not affect the quality of the artificial gut so long as the temperature thereof, when registered by a wet bulb thermometer, did not exceed 25° C. Consequently, drying air having a relatively high actual temperature with respect to the desired 25° C. in the drying gut may be employed if the relative humidity in the drying air is low. For example, as may be seen from the table given on page 7 of applicants' specification (page 8 of the record), a temperature of 59° C. or approximately 138° F. may be employed without having the temperature of the drying gut exceed 25° C. or 77° F.

The patent to Hulbert relates to a method of controlling the moisture content of leather. It states that the treatment applies to "animal fibres such as hides and leather." The patent further states:

Removal of moisture is, of course, much accelerated by heat; but as warming air decreases the relative humidity, it is necessary, for my purposes, to add somewhat more water vapor when warmed air is used. * * * * * * * * * * * *

I have found that good results cannot be obtained by using raw unconditioned air nor by using water for moistening, that uniform accurate results can only be obtained in controlling the moisture content of leather by use of air at fixed predetermined temperatures and containing constant predetermined amounts of moisture. The air so prepared must be applied to the leather uniformly and in such a manner as to gently but uniformly wash over the entire surfaces of the leather. * * * * * * * * * * * *

I have discovered that the ability of the air to extract or deposit moisture in leather is dependent not alone on the temperature or relative humidity but on the combination of the two, and that where I desire to diminish the moisture content of leather the best results are obtained if the air has a temperature varying from 80 to 95 degrees F. and a moisture content from 35 to 45 per cent relative humidity. Where it is desired to have the leather take up moisture from the air I find best results are obtained by having temperatures of 80 to 85 degrees F. and a relative humidity of 93 to 97 per cent. Where such conditions are made to obtain the effect upon the leather is rapid and uniform and the resulting leather is entirely homogeneous as regards moisture content.

The patent to Samuel relates to the manufacture of artificial skins for sausages. The material utilized consists of

"animal waste substances of any suitable kind, particularly those, which are left as by-products from the manufacture of leather in tanneries and are usually called skin-splits or scrapings."

This material is disintegrated and made into a homogeneous suspension of a pasty nature from which sausage casings are made. The casings are dried at a temperature of 50° C.

The reference Becker discloses the making of sausage skins. The patent states:

This invention relates to a method and device for working up fibrous material from hide substance, and particularly from substance that has been swelled by a preceding chemical or chemico-physical treatment, the hide substance being obtained chiefly from hides, skins, hide and skin pieces, splits, glue-material, scrapings, and the like.

It is the object of the invention to expose the fibers within the swelled hide substance by a special mechanical treatment and to arrange the exposed fibers in a certain order for the purpose of bringing about a condition of the hide substance, in which the fibers or bundles of fibers are more or less isolated and the pasty mass produced is particularly suited for being made into plane, threadlike or tubular structures.

The patent to Schulte discloses making surgical sutures or violin strings by disintegrating sinews, skins, etc., and forming a supension which is extruded through a suitable form to fashion the strings. The drying of the strings must "not be too severe; a moisture content between 30% and 40% is with advantage retained in the band."

In affirming the decision of the Examiner the Board of Appeals in its decision, after discussing the references, stated:

It is apparent that these patents do not specify the exact drying temperature involved in the appealed claims, namely not exceeding 25° C. The Examiner, however, refers to the Hulbert patent to disclose the drying temperature. In this patent leather is dried at a temperature varying from 80° to 95° F. (27°–35° C.) and with a moisture content from 35 to 45% humidity. The Examiner holds that it would not be inventive to dry the product in the first three patents cited at the temperature shown by Hulbert.

Applicant states in his brief that at the lower limit specified by Hulbert the patentee would dry at the temperature specified in the claims. He, however, argues that the patentee does not teach drying at this low temperature in order to get a product that has a higher tensile strength than that of prior products. Applicant has filed an affidavit by which he attempts to show that he obtains an improved product when drying is carried out at the low temperature set forth.

It seems to us that applicant has not made any substantial advance over the prior art so as to merit a patent. It may be that Hulbert does not state the advantage of drying at a low temperature, but if such a temperature be used he would obtain such advantage. We do not believe that anyone working in this art should be denied the use of such low temperature drying in view of Hulbert. If this low temperature be employed in the first three patents, applicant's claims would apparently be met. We believe that it would be obvious to anyone in the art to dry at this low temperature in these prior patents. The temperature specified in the claims is somewhat above room temperature. Obviously anyone should not be barred from applying a small amount of heat in drying the material in the first three patents referred to.

Appellants' brief states:

While Hulbert does mention a temperature and relative humidity for the drying air which he employs for drying leather which would give a wet bulb temperature of less than 25° C., he does not teach the art that the product dried would assume a temperature of less than 25° C. or that such drying leather should not exceed a temperature of 25° C. * * *

It is true that Hulbert does not teach that the drying leather should not exceed a wet bulb temperature of 25° C., but he does teach that it may be dried at a wet bulb temperature of less than 25° C., and we do not think that the discovery that the wet bulb temperature should not exceed 25° C. (or 27° C. as stated in the application) is inventive. One skilled in the art, following the teachings of Hulbert at the different ranges of temperature named by him, would quickly discover that, in order to secure good results, he should confine himself to the lower temperatures disclosed by Hulbert.

The claims recite that the wet bulb temperature shall not exceed 25° C. and that the dry bulb temperature is at least 41° C., whereby the temperature of the drying artificial gut does not exceed 25° C.

If appellant's process produces this result as applied to his material, we think that, applying the lower temperature ranges of Hulbert's process to the same material, one would produce substantially the same result.

It is true that Hulbert does not disclose a dry air temperature of 41° C., which is equal to 105.8° F., but he states that with a relative air humidity of 35 to 45 per cent he dries at a temperature of 80° to 95° F., which is equivalent to 27° C. to 35° C., and the wet bulb temperature would be much less than 25° C.

As stated by the Examiner, there is nothing in appellants' application showing that the dry bulb temperature of 41° C. is critical. We find in appellants' specification only one reference to dry air temperature in terms of degrees. In an example given it is stated that if the outer temperature is 20° C. and the atmospheric moisture is 60 per cent of relative moisture, if the temperature of the drying gut is not to exceed 25° C., "the dry air must at most only be heated to 53° C." This language clearly conveys the idea that the dry air temperature may be less than 53° C. in the example given, and we find nothing in the application teaching that at least 41° C. dry air temperature must be employed to dry the gut at a wet bulb temperature of 25° C.

Upon this point it is our opinion that the difference between the dry air temperature of the claims, 41° C., equal to 105.8° F., and the dry air temperature disclosed by Hulbert of 80° to 95° F., is only a difference of degree not resulting in a difference of kind in results.

It is appellants' contention that the Hulbert patent relates to a non-analogous art, but in this we cannot agree. Both Hulbert's patent and appellants' application relate to the drying of animal sinews. Appellants convert a hide into a plastic mass and treat it. Hulbert's patent relates to hides and leather, without conversion of the same into other material.

We think that one skilled in the art, having before him the patent to Samuel or the patent to Becker, and the patent to Hulbert, could, without the exercise of the inventive faculty, apply the lower temperature limits disclosed by Hulbert for the drying of leather to the drying of artificial gut for sausage casings disclosed by Samuel and by Becker. Were this done, it is clear that the claims before us would be substantially met by such combination of references.

For the reasons herein stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,256,265. (See 1,402,309.)

1,402,309, L. P. Mooers, Piston for internal combustion motors; 1,256,265, V. E. Schmiedekneckt, Piston; 1,655,968, H. E. Maynard, same; 1,763,523, F. Jardine, same; 1,815,733, E. J. Gulick, same, D. C., N. D. Ohio, E. Div., Doc. E 4045, *The Cleveland Trust Co. et al.* v. *The Schriber-Schroth Co. et al.* Doc. E 4046, *The Cleveland Trust Co. et al.* v. *The Aberdeen Motor Supply Co. et al.* Doc. E 4047, *The Cleveland Trust Co. et al.* v. *The F. E. Rowe Sales Co. et al.* Patents held invalid, bill dismissed for want of equity June 5, 1941, in each of above cases.

1,527,438, A. J. Penote, Ditching machine; 1,553,833, same, Excavating machine; 1,927,323, V. S. Penote, Excavator bucket, D. C., N. D. Ohio, W. Div., Doc. 4291, *The Cleveland Trencher Co.* v. *The Buckeye Traction Ditcher Co.* Dismissed, judgment for defendant May 27, 1941.

1,538,303, C. R. Short, Transmission belt, D. C., S. D. Ohio, W. Div., Doc. E 329, *The Dayton Rubber Mfg. Co. et al.* v. *The Lewis Motor Mart Co.* Dismissed May 15, 1941.

1,553,833. (See 1,527,438.)

1,645,927, H. C. Pierce, Chromium plating; 1,963,363, P. P. Hale, Plating fixture, D. C., N. D. Ohio, E. Div., Doc. 20683, *Metals Protection Corp.* v. *Chrome Engineering Co.* Consent decree dismissing case May 27, 1941.

1,655,968. (See 1,402,309.)

1,662,035, F. L. Smith et al., Retread mold for tires; 1,764,378, H. J. Woock, Tire retreading mold; 1,903,538, 1,876,100, K. K. Thorsen, Tire vulcanizing machine, D. C., N. D. Calif. (San Francisco), Doc. 21522–R, *Super Mold Corp. of Calif.* v. *T. P. Bacon, Sr., et al.* Claims 1, 5, 6, 7, and 13 of 1,662,035 and claims 1, 2, and 3 of 1,903,538 held not infringed; claims 1 and 2 of 1,764,378 and claims 19 and 20 of 1,876,100 and claim 9 of 1,903,538 held invalid; bill and counterclaim dismissed May 26, 1941.

1,684,653, B. E. Willett, Foldable table, D. C., S. D. N. Y., Doc. E 71/59, *Ferguson Bros. Mfg. Co.* v. *Lorraine Metal Mfg. Co., Inc.* Judgment May 28, 1941.

1,721,530, 1,757,978, J. Schick, Shaving implement, D. C., E. D. Mo. (St. Louis), Doc. 381, *Schick Dry Shaver, Inc., et al.* v. *Knapp-Monarch Co.* Dismissed on stipulation (notice May 28, 1941).

1,728,780, W. C. Burns, Cuboid support; 2,081,474, same, Cuboid-metatarsal arch support, D. C., S. D. Calif., C. Div., Doc. E 1434–RJ, *W. C. Burns* v. *Air-Lock Rubber Products Co. et al.* Decree affirming report of Special Master concluding that patents are valid but not infringed June 4, 1941.

1,757,978. (See 1,721,530.) 1,763,523. (See 1,402,309.)

1,764,378. (See 1,662,035.)

1,786,998, E. V. Hawkins, Basket, filed June 2, 1941, D. C. La. (New Orleans), Doc. 511, *The Hawkins Handle Corp.* v. *Hammond Box Co., Inc.*

1,793,724, L. A. Suckoff, Spring assembly for upholstery, filed May 29, 1941, D. C., E. D. N. Y., Doc. 2059, *Nachman Spring-Filled Corp.* v. *Kay Manufacturing Corp.*

1,806,972, Greiner & Long, Valve construction, D. C., E. D. Mich., S. Div., Doc. 1738, *Eaton Mfg. Co.* v. *Rich Mfg. Corp.* Dismissed (notice May 26, 1941).

1,810,126, H. Buchholz, Process of making molded articles; 2,111,857, H. L. Jeffery, Molding machine; 2,115,590, C. D. Ryder, same, filed May 13, 1941, D. C., S. D. Ind. (Indianapolis), Doc. 389, *The Grotelite Co.* v. *Amos-Thompson Corp.*

1,815,733. (See 1,402,309.)

1,848,567, C. J. Kinzie, Process for producing enamels; 1,944,938, same, Enameling composition, filed June 2, 1941, D. C., N. D. Ohio, E. Div., Doc. 20833, *The Titanium Alloy Mfg. Co.* v. *Ferro Enamel Corp.*

1,876,100. (See 1,662,035.)

1,859,213, H. McCornack, Apparatus for milking; 2,050,356, same, Process of milking, D. C., N. D. Iowa, E. Div., Doc. 33, *McCornack Inventions, Inc., et al.* v. *The Universal Milking Machine Co. et al.* Dismissed without prejudice June 2, 1941.

1,903,538. (See 1,662,035.) 1,927,323. (See 1,527,438.)

1,931,370, J. N. Bethel, Grinding, polishing, lapping, and finishing of metals; 1,981,970, B. Sanford, Abrasive wheels and a method of making the same, D. C., S. D. N. Y., Doc. 9/174, *Norton Co.* v. *J. K. Smit & Sons, Inc.* Consent order of discontinuance (notice May 29, 1941).

1,944,938. (See 1,848,567.)

1,947,493, Rose & Engle, Coating of machine elements, D. C., S. D. Calif. (Los Angeles), Doc. 243–BH, *Metals Processing Corp. et al.* v. *Metallizing Co. of America et al.* Dismissed without prejudice June 7, 1941.

1,962,264, H. Veit, Hair cutting and thinning shears, D. C. Kans. (Wichita), Doc. 1940, *Jetter & Scheerer Products, Inc., et al.* v. *J. N. Schramm et al.* Patent held valid and infringed, injunction (notice May 31, 1941).

1,963,363. (See 1,645,927.)

1,963,665, R. G. Le Tourneau, Scraper; 2,113,660, same, Drag scraper; 2,152,899, E. B. Maloon, Carry type scraper, filed June 6, 1941, D. C., N. D. Calif. (San Francisco), Doc. 21891–W, *R. G. Le Tourneau, Inc.*, v. *Gar Wood Industries, Inc.*

1,981,970. (See 1,931,370.)

1,988,056, F. W. Storck, Method and apparatus for duplicating printed matter; Re. 19,951, same, Apparatus for duplicating imprinted matter, appeal filed May 12, 1941, C. C. A., 1st Cir., Doc. 3680–3681, *Standard Mailing Machines Co. et al.* v. *Ditto, Inc. et al.*

2,024,184, J. R. Ritchie, Roller for oil mix roads, filed June 6, 1941, D. C., W. D. Tex. (San Antonio), Doc. 193, *J. R. Ritchie et al.* v. *J. E. Ingram et al.*

2,034,678, 2,097,766, Knaust & Knaust, Means for producing mushrooms, C. C. A., 2d Cir., Doc. —, *Knaust Bros., Inc.*, v. *E. J. Goldschlag et al.* Decree affirmed June 5, 1941.

2,050,356. (See 1,859,213.)

2,071,635. (See Re. 16,431.)

2,080,162. (See Re. 16,431.)

2,081,474. (See 1,728,780.)

2,082,993, N. L. Solomon, Hair waver, D. C., S. D. N. Y., Doc. 10/52, *Solo Products Corp.* v. *Mervin Wave Clip Co., Inc.* Stipulation of discontinuance (notice May 28, 1941).

2,097,766. (See 2,034,678.) 2,111,857. (See 1,810,126.)

2,113,660. (See 1,963,665.)

2,114,939, A. A. Radtke, Method of and means for optically reproducing sound, D. C., S. D. N. Y., Doc. 1/176, *Radtke Patents Corp.* v. *Douglas Leigh, Inc., et al.* Consent decree as to Douglas Leigh, Inc., Dec. 8, 1938; consent order of discontinuance as to The American Epok, Inc., May 28, 1941.

2,115,590. (See 1,810,126.)

2,127,366, C. P. Mele, Garment, D. C., S. D. N. Y., Doc. 3/372, *C. P. Mele* v. *R. H. Macy & Co., Inc., et al.* Judgment (notice May 29, 1941).

2,150,623. (See Re. 16,431.)

2,150,864. (See Re. 16,431.)

2,152,899. (See 1,963,665.)

2,157,756, M. Irwin, Irrigating apparatus, filed May 26, 1941, D. C., W. D. Mo. (Kansas City), Doc. 884, *Associated Laboratories et al.* v. *D. Coombs et al.* Same, filed May 29, 1941, D. C., S. D. Calif., C. Div., Doc. 1570–H, *Associated Laboratories et al.* v. *J. P. Linden et al.*

2,165,227, B. Cooper, Switch; 2,166,090, same, Treadle controlled system; 2,205,555, same, Treadle circuit, filed May 26, 1941, D. C., S. D. N. Y., Doc. 14/283, *Taller & Cooper* v. *Westchester Co.*

2,166,090. (See 2,165,227.) 2,205,555. (See 2,165,227.)

2,210,755, H. S. Frank, Purse kit, filed May 16, 1941, D. C., S. D. N. Y., Doc. 14/212, *Prince Matchabelli, Inc.*, v. *Anhalt & Co., Inc.*

2,215,762. (See Re. 19,989.)

2,216,921, H. E. Marvel, Method and apparatus for introducing solids into a pressure system, filed June 7, 1941, D. C., W. D. N. Y., Doc. 721, *S. F. Bowser & Co., Inc.*, v. *C. S. Jacobowitz Corp.*

2,218,371, O. C. Zachar, Combination fill and vent box, filed May 21, 1941, D. C., E. D. Pa., Doc. 1560, *R. Zachar* v. *F. B. Storch.*

Re. 16,431, H. E. Kratzer, Process of baking bread and apparatus therefor; 2,071,635, J. F. Korda, Method of baking; 2,080,162, Bradley & Watson, Method of baking; 2,150,623, J. G. Jackson, Multiple unit hearth bread baking pan; 2,150,864, R. C. Oltman, Hearth bread pan, D. C., S. D. Ohio, W. Div., Doc. 111, *The Edward Katzinger Co.* v. *The Lockwood Mfg. Co.* Bill and counterclaim dismissed June 7, 1941.

Re. 17,140, J. M. Jones, Metal wheel, D. C., S. D. Ohio, W. Div., Doc. E 861, *R. C. Kennedy et al.* v. *Ford Motor Co.* Patent held invalid, bill dismissed (notice June 5, 1941).

Re. 18,841, J. Mayer, Hair waving method, D. C., N. D. Calif. (San Francisco), Doc. 21580–W, *The Philad Co.* v. *Paul's Beauty Parlor.* Doc. 21587–W, *The Philad Co.* v. *Nick Wagner Beauty Salon.* Doc. 21588–W, *The Philad Co.* v. *Artist-ic Beauty Shop.* Dismissed without prejudice June 2, 1941, in each of above cases.

Re. 19,951. (See 1,988,056.)

Re. 19,989, G. W. Swift, Jr., Variable speed cutting mechanism; 2,215,762, J. L. Morrison, Cyclically variable speed driving mechanism, filed June 6, 1941, D. C., E. D. N. Y., Doc. 2085, *G. W. Swift, Jr., Inc.*, v. *Arch-Bilt Corrugated Products Corp.*

Re. 20,301, E. F. Chittenden, Window ventilator, D. C., N. D. Ohio, W. Div., Doc. 4337, *E. F. Chittenden* v. *The Howard Baker Co.* Reissue held not infringed; bill dismissed May 27, 1941.

Des. 86,245, G. Lehmann, Glowing crucifix lamp; Des. 86,246, same, Glowing emblem lamp, D. C., S. D. N. Y., Doc. 10/99, *G. Lehmann* v. *Aerolux Light Corp. et al.* Judgment (notice June 4, 1941).

Des. 86,246. (See Des. 86,245.)

Des. 117,658, I. Weber, Dress, D. C., S. D. N. Y., Doc. 6/361, *Roseneb Frocks, Inc.*, v. *Moe Feinberg-Moe Wiesen, Inc.* Judgment (notice June 4, 1941).

Des. 117,752, G. M. Logan, Jr., Handkerchief, D. C., S. D. N. Y., Doc. 7/338, *G. M. Logan, Jr.*, v. *Suttons Fifth Avenue, Ltd., et al.* Consent judgment (notice June 2, 1941).

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JUNE, 1941

EX PARTE DAILY REVIEW CORPORATION, Serial No. 438,531.

In a decision rendered June 24, 1941 (163 Ms. Dec. 761, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* denied a petition by the Daily Review Corporation, of Rockville Center, N. Y., seeking a reversal of an action by the Examiner of Trade-Marks. This corporation applied for registration of the notation "Nassau Daily Review-Star" as a trade-mark for a daily newspaper. The Examiner required a disclaimer of the words "Nassau Daily Review," in lieu of which the applicant offered to delete from the drawing the words "Nassau Daily." The Examiner ruled that such deletion "would result in a mutilation of the mark," and adhered to his refusal to register in the absence of the previously required disclaimer.

The First Assistant Commissioner stated that the applicant did not deny that the word "Nassau" is geographical, nor that the expression "Daily Review" is descriptive of the goods involved, but took issue with the Examiner's refusal to permit the erasure of the words "Nassau Daily," contending that the remaining words, "Review-Star," are arbitrary, and hence registrable without disclaimer.

In regard to this contention, the First Assistant Commissioner said:

"Applicant relies strongly upon my decision in *Ex parte David*, 483 O. G. 728, 35 U. S. P. Q. 126, where the trade-mark presented was the notation 'Dog-on-it' in association with the picture of a Scottie dog, and I permitted the removal from the drawing of the picture. Here, however, the title of applicant's newspaper, which it seeks to register as a trade-mark, is 'Nassau Daily Review-Star,' and as used by applicant the last two words alone do not function as a trade-mark; while in the David case the mark comprised two independently arbitrary features, each separately registrable. The distinction was clearly pointed out by the Court of Appeals of the District of Columbia in *Quaker City Flour Mills Co.* v. *Quaker Oats Co. et al.*, 43 App. D. C. 260, 1915 C. D. 113."

EX PARTE AGRICULTURAL LABORATORIES, INC., Serial No. 429,508.

In a decision rendered June 26, 1941 (163 Ms. Dec. 762, 50 U. S. P. Q. —), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in requiring disclaimer of the words "Roach Flakes" from the composite mark of the application of Agricultural Laboratories, Inc., of Columbus, Ohio.

The Assistant Commissioner said:

"In my opinion the term 'Roach Flakes' is clearly descriptive of a material that is in flake form and intended for use in regard to roaches. The goods to which the mark is applied are stated to be insecticides, particularly roach bait, and in my opinion the term is descriptive of such goods and disclaimer thereof was properly required."

EX PARTE MONTANIN COMPANY, INC., Serial No. 417,096.

In a decision rendered June 26, 1941 (163 Ms. Dec. 762, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* granted, in part, a petition by Montanin Company, Inc., of New York, N. Y.

In setting forth the history of the application, the First Assistant Commissioner stated that the application was rejected by the Examiner of Trade-Marks in view of trade-mark registration No. 310,469; that applicant petitioned that said registration be cancelled; that that petition was granted by the Examiner of Trade-Mark Interferences; and that the latter's decision was affirmed by him on appeal. By its present petition, the First Assistant Commissioner further stated, the applicant sought immediate cancellation of the certificate of registration, and the resumption of prosecution of its application to register.

In referring to the decision in the cancellation proceeding, the First Assistant Commissioner said:

"My decision, affirming that of the Examiner of Interferences, was rendered March 28, 1941. No appeal has been taken to the United States Court of Customs and Patent Appeals, and the time for such appeal has expired. The registrant, however, may still avail itself of the remedy provided by section 4915 of the Revised Statutes, at any time within six months from the date of that decision. Pending the expiration of that period, unless the registrant should waive its right to proceed under the section referred to, it would be highly improper to cancel the certificate.

"Applicant may, if it so desires, resume prosecution of its application before the Examiner of Trade-Marks, subject to further suspension in the event action is instituted by the registrant under section 4915, and with the understanding that no certificate shall issue to applicant until the certificate involved in the cancellation proceeding shall actually have been canceled. To that extent the petition is granted; otherwise it is denied."

EX PARTE FERNANDO PARRABERE, Serial No. 440,549.

In a decision rendered June 26, 1941 (163 Ms. Dec. 763, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks in requiring that the drawing in the application filed by the firm of Fernando Parrabere of Montevideo, Uruguay, "be amended to show the mark as registered in the country of origin." The applicant sought the registration of the word "Oyama" as a trade-mark for wines, and the application was based upon a Uruguayan registration of the same word in association with other features.

In his decision the First Assistant Commissioner quoted, as follows, from the statement of the Examiner:

"Applicant, described in the application papers as a firm organized and existing by virtue of the laws of the Republic of Uruguay and located and doing business in Montevideo, Uruguay, here seeks registration medely of the notation 'Oyama' displayed in letters closely simulating a style known as Old English. The certified copy of foreign registration, however, appears to evidence the fact that the mark as registered in Uruguay is contained in three colored labels. These labels are, respectively, a neck label featuring a monogram; a crescent-shaped shoulder label containing the word 'Oyama' and other matter; and a relatively large rectangular body label horizontally divided into two panels, the upper one containing certain descriptive matter, and the lower one featuring, in addition to the word now shown in applicant's drawing, certain pictorial matter, an artistic border design with associated scrolls and a circular device containing a monogram.

"The Examiner has not required that applicant include all of the matter shown in the mark as registered in applicant's home country, or even all of the fanciful and arbitrary matter, but he has required that the drawing be amended to show the principal label with its panels, filigree work and scrolls, buildings and scenery, the displayed name 'Oyama,' and the monogram composed of the letters 'F P.' Under the practice all of these features are considered as necessary in order that there may be substantial uniformity between the mark here presented for registration and the one shown to have been registered in applicant's home country."

The First Assistant Commissioner also noted that section 4 of the act of February 20, 1905, relating to the registration of trade-marks for the registration of which application has previously been filed abroad, contains the following proviso:

"That certificate of registration shall not be issued for any mark for registration of which application has been filed by an applicant located in a foreign country until such mark has been actually registered by the applicant in the country in which he is located."

After referring to the construction given this proviso by decisions of the Comissioner in *Ex parte Pietro*, 1907 C. D. 107, 127 O. G. 2394, *Ex parte Bertelli*, 1909 C. D. 118, 144 O. G. 817, and *Ex parte Crusellas Hon y Cia*, 113 Ms. Dec. 322, the First Assistant Commissioner stated:

"It will thus be seen that it has been the practice to permit the omission of at least a portion of the matter appearing in foreign registrations, even though such matter be of an arbitrary nature; and if that practice is to be continued, it seems clear to me that the Patent Office is without authority to require the inclusion of nonessential words or features which an applicant chooses to omit. *In re Standard Underground Cable Co.*, 27 App. D. C. 320, 1906 C. D. 687.

"The Examiner seems to feel that to register applicant's mark as presented would do violence to the quoted proviso of the statute. All that the statute requires, however, is that 'such mark has been actually registered by the applicant in the country in which he is located'; and by liberal interpretation of that language I think it may properly be said that the mark here in question has been so registered. True, the foreign registration includes other matter, but its outstandingly predominant feature is the word 'Oyama'; and had the same labels been filed in support of a domestic application for registration of the same word, no question could have been raised but that the word functioned independently as a trade-mark."

MAX LAZARUS & SONS *v.* THE HEEKIN COMPANY, Opposition No. 19,474.

In a decision rendered June 28, 1941 (163 Ms. Dec. 765, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Max Lazarus & Sons, of Baltimore, Md., to the application of The Heekin Company, of Cincinnati, Ohio, for registration of the words "Happy Family" as a trade-mark for baking powder.

Opposer relied upon its own prior use of the same mark in connection with a long line of grocery products, one of these products being cornstarch.

In agreeing with the position of the Examiner, the First Assistant Commissioner said:

"That cornstarch and baking powder possess the same descriptive properties within the meaning of the Trade-Mark Act I have no doubt. It is a matter of common knowledge that they are displayed side by side on the shelves of grocery stores, and are purchased by the housewife, who uses them both as ingredients in the preparation of various foods. Applicant points to the fact that baking powder is not itself a food, but a chemical compound; and seems to feel that for this reason purchasers would be unlikely to assume its origin to be the same as that of opposer's food products. It seems clear to me, however, that in many instances the contrary would be true. I think the average housewife would be apt to pay but little heed to such distinctions in attributing origin to the groceries she buys."

With respect to another contention advanced by the applicant, the First Assistant Commissioner stated:

"It appears that a third party had used the mark in question for fresh fruits and vegetables, and consented to its use by opposer's immediate predecessor in interest for canned fruits and vegetables. Applicant thus urges 'that the opposer is not entitled to claim damage because of its trade-mark use on any other goods than canned fruits and vegetables.' I think the argument is untenable. No rights that others may have against opposer with respect to its use of the mark can avail applicant in this proceeding."

THE SHIRTCRAFT COMPANY, INC., *v.* PIEDMONT SHIRT COMPANY, Opposition No. 18,473.

In a decision rendered June 30, 1941 (163 Ms. Dec. 767, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences and hence dismissed the opposition of The Shirtcraft Company, Inc., of New York, N. Y., to the application of Piedmont Shirt Company, of Greenville, S. C., for registration of a trade-mark for men's shirts.

The First Assistant Commissioner set forth the facts of the case, as follows:

"Applicant's mark is the word 'Wings,' displayed in association with a design which the Examiner describes as 'a circle at the center of a rather fanciful picture of a pair of wings.' The mark relied upon by opposer, registered for similar merchandise prior to applicant's claimed date of first use, is described by the Examiner as 'consisting of the word "Airman" above a pair of spread wings separated by a circle containing the picture of an airplane.'"

In disagreeing with the Examiner's position, the First Assistant Commissioner stated:

"Obviously there is no similarity between the word features of the two marks, and the designs differ so widely in appearance that I am convinced there is no reasonable likelihood of their confusion. Roughly, both simulate wings; but in each instance it is only through association with the word that their significance becomes apparent. Certainly opposer's design, per se, is not the equivalent of applicant's word; and I can perceive no other theory upon which the opposition could properly be sustained."

CLYDE SCOTT *v.* COVERTEX COMPANY, Opposition No. 18,991.

In a decision rendered June 30, 1941 (163 Ms. Dec. 768, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Clyde Scott, of Jersey City, N. J., to the application of Covertex Company, of Perth Amboy, N. J., for registration of the notation "Cel-U-Seal" as a trade-mark for "adhesively coated transparent film-sheets."

The First Assistant Commissioner noted that the case was submitted on a stipulation of facts, wherein it is stipulated that opposer is the owner of the trade-mark "Celluweld" for goods of the same description, and "has used said trade-mark on said goods since June 22, 1932." He also noted that

applicant claimed use of its mark since January 2, 1938.

In the course of his decision the First Assistant Commissioner stated:

"The goods of both parties are designed for the same purpose, namely, for permanent attachment to the surface of pictures, prints, and the like, to form a protective transparent covering. Structurally they are different, and they are not affixed by the same method; but the fact that in the stipulation both are described in the same words is sufficient evidence that they are substantially identical and are so considered by the parties. Nor is it material here that there is no similarity in the dress of the goods as sold, nor in the manner in which the marks are displayed; for, as pointed out by opposer, those are conditions that may be changed at will.

"Applicant argues that the two marks are 'distinctively dissimilar,' but I am constrained to agree with the Examiner of Interferences 'that the resemblances therein are such that their concurrent use upon the goods specified would be reasonably likely to cause confusion.' They differ somewhat in sound, and to a lesser degree in appearance, but in significance they are very nearly alike. Applicant contends in effect that the initial portions of the marks are not subject to exclusive appropriation, and that they depend for distinctiveness upon the words 'seal' and 'weld,' respectively; but while those two words do not have the same meaning, as applied to the particular goods involved they do strongly suggest the same idea."

TRADE-MARKS

OFFICIAL GAZETTE, JULY 29, 1941

[VOL. 528. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 438,963. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed Dec. 17, 1940.

ALADDIN

Applicant is the owner of Reg. No. 85,532, Feb. 20, 1912, renewed.

FOR SYNTHETIC RUBBER, RUBBER SUBSTITUTES, AND RUBBER-LIKE MATERIALS.

Claims use since Aug. 2, 1940.

Ser. No. 443,274. AMERICAN REEDCRAFT CORPORATION, New York, N. Y. Filed May 6, 1941.

CRE ART

FOR CLAY AND CHARCOAL.

Claims use since January, 1941.

Ser. No. 443,456. GENERAL COAL COMPANY, Philadelphia, Pa. Filed May 10, 1941.

GENERAL

FOR COAL.

Claims use since Feb. 27, 1941.

Ser. No. 443,513. PLASTYLE VENEERS, INC., Chicago, Ill. Filed May 12, 1941.

PLASTYLE

FOR FABRICATED PLASTIC MATERIAL OF A PHENOL-FORMAL-DEHYDE-UREA TYPE.

Claims use since January, 1940.

CLASS 2

RECEPTACLES

Ser. No. 443,195. INDEPENDENT CASING COMPANY, Chicago, Ill. Filed May 2, 1941.

Redi-Fil

FOR HANKED NATURAL INTESTINAL SAUSAGE CASINGS.

Claims use since Apr. 7, 1941.

Ser. No. 444,043. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 29, 1941.

Summer-Sured

FOR VACUUM AND HEAT-INSULATED JUGS SUITABLE FOR USE AT PICNICS.

Claims use since May 2, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 443,648. VICTOR BERKOWITZ, New York, N. Y. Filed May 17, 1941.

BAGS BY VICTOR

The word "Bag" is disclaimed apart from the mark.

FOR LADIES' HANDBAGS.

Claims use since May 19, 1936.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 438,033. CALIFORNIA TEXAS OIL COMPANY, LIMITED, New York, N. Y. Filed Nov. 19, 1940.

CALTEX

FOR DRY CLEANING FLUIDS AND STODDARD SOLVENT—NAMELY, A DRY CLEANING SOLVENT.
Claims use since April, 1938, on Stoddard solvent; since September, 1938, on dry cleaning fluids.

Ser. No. 441,799. STALKER MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 17, 1941.

S. M.

FOR SADDLE SOAP.
Claims use since Apr. 12, 1939.

Ser. No. 442,642. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed Apr. 16, 1941.

STEAMFAS

FOR CLEANING COMPOUNDS FOR USE IN STEAM CLEANING OF MOTOR VEHICLES AND THE LIKE AND FOR MISCELLANEOUS DETERGENT PURPOSES.
Claims use since Jan. 10, 1940.

Ser. No. 442,674. ULTRA CHEMICAL WORKS, INC., Paterson, N. J. Filed Apr. 17, 1941.

GLAMOUR GIRL

Bath O'Bubbles

Applicant disclaims the words "Bath" and "Bubbles" apart from the mark.
FOR SAPONACEOUS POWDER FOR FORMING BUBBLES FOR THE BATH.
Claims use since Mar. 29, 1941.

Ser. No. 442,827. THE BLOTEX CO., Springfield, Ohio. Filed Apr. 22, 1941.

Blot-X

FOR DETERGENT FOR REMOVING GREASE FROM WALLPAPER AND SIMILAR SURFACES.
Claims use since Mar. 11, 1941.

Ser. No. 442,895. THE CLIMALENE COMPANY, Canton, Ohio. Filed Apr. 24, 1941.

THE SOAPLESS SUDSER

The word "Soapless" is disclaimed apart from the mark.
FOR WASHING POWDER.
Claims use since Feb. 15, 1940.

Ser. No. 443,082. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed Apr. 29, 1941.

FLORES DE ESPAÑA

No claim is made to the word "Espana" apart from the mark.
FOR SOAP—NAMELY, TOILET SOAP.
Claims use since June, 1934.

Ser. No. 443,530. BELTRACTION COMPANY, Chicago, Ill. Filed May 13, 1941.

• PULMORE •

FOR LIQUID BELT DRESSINGS.
Claims use since Nov. 25, 1940.

Ser. No. 443,745. BOTANY WORSTED MILLS, Passaic, N. J. Filed May 21, 1941.

BOTANY

FOR SOAP.
Claims use since Sept. 6, 1939.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 405,992. LENTHERIC, INCORPORATED, New York, N. Y. Filed May 4, 1938.

Quint-Essence

No claim is made to the word "Essence" apart from the mark.
FOR PERFUMES AND COSMETIC CREAMS.
Claims use since Apr. 28, 1938.

Ser. No. 428,996. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Filed Feb. 28, 1940.

Veen

FOR DOUCHE POWDER.
Claims use since Nov. 15, 1937.

Ser. No. 432,884. CLINTON COMPANY, Clinton, Iowa. Filed June 12, 1940.

CLINCO

FOR CORN STARCH USED AS A SIZING FOR TEXTILES AND PAPER.
Claims use since April, 1935.

Ser. No. 435,184. TER-O-SUL PRODUCTS CO., INC., New York, N. Y. Filed Aug. 20, 1940.

Rest-eez

FOR POWDER FOR FOOT BATH.
Claims use since Sept. 11, 1939.

Ser. No. 439,056. PRESTO PRODUCTS COMPANY, Detroit, Mich. Filed Dec. 20, 1940.

PRESTO

FOR RUST REMOVING PREPARATION AND FOR LIQUID WELDING PREPARATIONS.
Claims use since October, 1937.

Ser. No. 439,828. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Jan. 21, 1941.

OLEO-BISMOL

The word "Oleo" is disclaimed apart from the association shown.
FOR OIL SOLUTION OF BISMUTH FOR USE IN THE TREATMENT OF SYPHILIS.
Claims use since Dec. 24, 1940.

Ser. No. 440,267. JOSEPH SANTORE, Osceola Mills, Pa. Filed Feb. 3, 1941.

BODY WARD



FOR PREPARATION FOR STOMACH ULCERS.
Claims use since March, 1929.

Ser. No. 440,440. BOWER SULPHUR LABORATORIES INC., New York, N. Y. Filed Feb. 8, 1941.

Sulfluid

FOR SOLUBLE SULPHUR COMPOSITIONS FOR THE RELIEF OF PAIN CAUSED BY RHEUMATISM, ARTHRITIS AND SIMILAR AILMENTS, AS A HAIR SHAMPOO FOR THE PREVENTION AND ALLEVIATION OF DANDRUFF OR OTHER PARASITICAL INFECTIONS AND AS A COMPOUND IN A FACIAL SOAP.
Claims use since Jan. 27, 1941.

Ser. No. 440,631. SYLVESTER MCKENNEDY, Unity, Ill. Filed Feb. 13, 1941.

McKENNEDY'S

INDO HEALTH TONE



The words "McKennedy's" and "Health Tone" are disclaimed apart from the mark.
FOR MEDICINAL COMPOUND FOR USE IN THE TREATMENT OF KIDNEY AND BLADDER TROUBLE, BAD BLOOD, AND RUPTURE.
Claims use since January, 1930.

Ser. No. 442,438. WILLIAM J. WARDALL, trustee for the Estate of McKesson & Robbins, Inc., Debtor, doing business as The Cameo Co., New York, N. Y., and San Francisco, Calif. Filed Apr. 9, 1941.

CAMEO

FOR AMERICAN AND RUSSIAN MINERAL OIL FOR MEDICINAL USE, BEEF, IRON AND WINE, CITRATES AND CARBONATES, MILK OF MAGNESIA, SOLUTION MAGNESIUM CITRATE, WATER SOFTENER, ANTISEPTIC SOLUTION, AND COUGH SYRUPS.
Claims use since 1900.

Ser. No. 442,805. ERNEST J. SCHABELITZ, doing business as Schabelitz Research Laboratories, San Diego, Calif. Filed Apr. 21, 1941.

GLEE PACK

No claim is made for the term "Pack" apart from the mark.
FOR PROPHYLACTIC.
Claims use since Mar. 27, 1941.

Ser. No. 443,022. SOUTHERN CARBON COMPANY, Monroe, La. Filed Apr. 26, 1941.

STAT-EX

FOR PARTICULATE CARBON HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Apr. 8, 1941.

Ser. No. 443,375. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed May 8, 1941.

DI-NITROL

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Feb. 10, 1941.

Ser. No. 443,678. AMERICAN DRUG & CHEMICAL COMPANY, Minneapolis, Minn. Filed May 19, 1941.

ZINGO

FOR INSECT REPELLING PREPARATION.
Claims use since Aug. 8, 1940.

Ser. No. 443,727. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed May 20, 1941.

CLEARTEX

FOR LAUNDRY STARCHES.
Claims use since Jan. 17, 1941.

Ser. No. 443,728. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed May 20, 1941.

NASCO

FOR LAUNDRY STARCHES.
Claims use since Feb. 19, 1940.

Ser. No. 443,758. GERO PRODUCTS, INC., South Boston, Mass. Filed May 21, 1941.

GERO

FOR INSECTICIDE CRYSTALS AND PELLETS.
Claims use since May 20, 1929.

Ser. No. 443,884. D. W. HAERING AND COMPANY, INC., Chicago, Ill. Filed May 24, 1941.

GLUCOSATE

FOR CHEMICAL PRODUCT USED IN WATER TREATING FOR SCALE AND CORROSION CONTROL.
Claims use since Oct. 29, 1935.

Ser. No. 443,887. LENTHERIC, INCORPORATED, New York, N. Y. Filed May 24, 1941.

Heart Throb

FOR PERFUMES AND COSMETIC CREAMS.
Claims use since May 14, 1941.

Ser. No. 444,016. SCHWARZ LABORATORIES INC., New York, N. Y. Filed May 28, 1941.

POLIDASE

FOR MEDICINAL PREPARATION AS DIGESTIVE AID.
Claims use since May 10, 1941.

Ser. No. 444,221. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed June 5, 1941.

PLURIZYME

FOR CHOCOLATE-COATED COMPRESSED TABLETS FOR USE IN THE SUPPLEMENTARY TREATMENT OF INDIGESTION AND MALNUTRITION.
Claims use since Feb. 3, 1941.

Ser. No. 444,387. PETGES, INC., New York, N. Y. Filed June 10, 1941.

BRILCOMB

FOR HAIRDRESSING.
Claims use since Apr. 14, 1941.

Ser. No. 444,398. CHATTANOOGA DRUG & CHEMICAL COMPANY, Chattanooga, Tenn. Filed June 11, 1941.

ZIRON

FOR IRON VITAMIN TONIC.
Claims use since Apr. 23, 1917.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 436,539. BOSTON LEATHER SPECIALTIES COMPANY, Everett, Mass. Filed Oct. 1, 1940.

Baby-Doo

FOR AUXILIARY CHILDREN'S TOILET SEATS.
Claims use since June 15, 1940.

Ser. No. 443,148. WALDES KOH-I-NOOR, INC., Long Island City, N. Y. Filed Apr. 30, 1941.



The portrait is that of Christopher Custer.
FOR SLIDE FASTENERS.
Claims use since Apr. 4, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 435,876. LEHIGH STEEL COMPANY, New York, N. Y. Filed Sept. 11, 1940.

CONQUEROR

FOR STEEL FOR TOOLS AND DIES AND HAND AND PNEUMATIC AND ELECTRIC DRILLS.
Claims use since June 8, 1931.

Ser. No. 444,146. THE FRANCOIS CEMENTATION COMPANY LIMITED, London, England. Filed June 3, 1941.

STALWELD

FOR METAL POWDERS FOR USE IN WELDING, SOLDERING, AND BRAZING.
Claims use since Jan. 15, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 431,548. DURYEA PRODUCTS COMPANY, INCORPORATED, Jersey City, N. J. Filed May 4, 1940.

DURCO

The words "Mfg'd Only by" and "N. Y., U. S. A." are not claimed apart from the mark.
FOR TURPENTINE.
Claims use since Apr. 3, 1919.

Ser. No. 440,202. IRENE KEMPE, doing business as Kempe Mfg. Co., Jamaica, N. Y. Filed Feb. 1, 1941.



FOR SKI WAX, SKI WAX BASE LACQUER, AND SKI WAX SHELLAC.
Claims use since Dec. 2, 1939.

Ser. No. 442,844. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Apr. 22, 1941.

WHITE SAIL

FOR LIQUID FLOOR WAX, AND WAX PASTE FOR FLOORS, FURNITURE, AND AUTOMOBILES.
Claims use since Mar. 7, 1941.

Ser. No. 443,078. FULD BROS., doing business as Durham Chemical Laboratories, Baltimore, Md. Filed Apr. 29, 1941.

GLO-ZIP

FOR SURFACING WAX APPLICABLE TO FLOORS, LINOLEUM, HARDWOOD, TERRAZZO, RUBBER TILE, ASPHALT TILE, AND PAINTED, VARNISHED, SHELLACKED, OR OTHERWISE COATED SURFACES.
Claims use since March, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 443,340. HERBERT H. PEEBLES, Houston, Tex. Filed May 7, 1941.

TWIN CHIEFS



FOR CIGARS.
Claims use since Apr. 2, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 443,928. GENERAL AIRCRAFT CORPORATION, Lowell, Mass. Filed May 26, 1941.

SKYFARER

FOR AIRPLANES.
Claims use since May 23, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 441,017. GENERAL ELECTRIC COMPANY, New York, N. Y. Filed Feb. 26, 1941.

Musaphonic

FOR RADIO RECEIVERS.
Claims use since Nov. 7, 1940.

Ser. No. 443,125. GENERAL PRODUCTS CORPORATION, Union Springs, N. Y. Filed Apr. 30, 1941.



The drawing is lined for green.
FOR AUTOMOTIVE IGNITION PARTS INCLUDING SPARK COILS, DISTRIBUTOR PARTS, CONDENSERS, AND IGNITION SWITCHES.
Claims use since Sept. 14, 1935.

Ser. No. 443,169. PHILIP MANGO, doing business as Heet-Master Co., Chicago, Ill. Filed May 1, 1941.

HEET-MASTER

FOR PORTABLE ELECTRIC HEATERS USING A RADIATOR FOR CONFINING A HEAT CARRYING MEDIUM.
Claims use since Mar. 1, 1941.

Ser. No. 444,099. SCHWARZE ELECTRIC CO., Adrian, Mich. Filed May 31, 1941.

Tel-Zal

FOR ELECTRICALLY ILLUMINATED SIGNS AND PARTS THEREOF.
Claims use since February, 1940.

Ser. No. 444,111. THE WESTINGHOUSE AIR BRAKE COMPANY, Wilmerding, Pa. Filed May 31, 1941.



FOR ELECTRIC ANTI-WHEEL-SLIDE CONTROL UNITS, ELECTRIC CAR COUPLERS, ELECTRIC COMPRESSOR GOVERNORS, ELECTRIC COMPRESSOR UNITS, ELECTRIC SPEED GOVERNORS, ELECTRO-INERTIA RETARDATION CONTROLLERS, ELECTRO-PNEUMATIC BRAKE APPARATUS, ELECTRO-PNEUMATIC BRAKE AND PROPULSION UNITS, ELECTRO-PNEUMATIC SANDING UNITS, ELECTRO-PNEUMATIC SIGNALS, ELECTRO-PNEUMATIC TRAIN CONTROL APPARATUS, GENERATORS, MAGNETIC TRACK BRAKES, MAGNET VALVES, AND MOTORS.
Claims use since 1901.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 431,478. AVIATION MANUFACTURING CORPORATION, New York, N. Y. Filed May 2, 1940.



No claim is made to the word "Lycoming" apart from the mark.
FOR INTERNAL COMBUSTION AIRCRAFT ENGINES AND PARTS THEREOF, EXCLUSIVE OF IGNITION PARTS, PACKING, AND HOSE.
Claims use since Jan. 1, 1940.

Ser. No. 432,101. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed May 18, 1940.

MOBY DICK

FOR CUTLERY, PARTICULARLY BUTCHER AND HOUSEHOLD KNIVES, AND CARVING SETS OF BASE METAL, AND PARTS THEREOF.
Claims use since February, 1937.

Ser. No. 436,252. THE COLUMBIA AXLE COMPANY, Cleveland, Ohio. Filed Sept. 23, 1940.



No claim is made to the word "Columbia" and the representation of gearing apart from the mark.
FOR OVERDRIVE AXLES FOR AUTOMOTIVE VEHICLES.
Claims use since Aug. 26, 1940.

Ser. No. 442,855. ROBERT L. SJOSTROM, doing business as Sjostrom Machine Company, Lawrence, Mass. Filed Apr. 22, 1941.

KNOTWOOD

FOR METALLIC CONVEYOR LINK BELTS FOR FEEDERS AND CONVEYORS.
Claims use since Jan. 1, 1941.

Ser. No. 443,047. MERCURY METAL DIE & LETTER CO., INC., Los Angeles, Calif. Filed Apr. 28, 1941.

MERCURY



No claim is made to the Latin words on the drawing.
FOR STEEL AND BRASS STAMPS, EMBOSSING DIES, STAMPING DIES, AND STEEL TYPE.
Claims use since Oct. 1, 1930.

Ser. No. 443,288. GAMBLE STORES INCORPORATED, Minneapolis, Minn. Filed May 6, 1941.

BONDED

FOR MUFFLERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since Jan. 15, 1941.

Ser. No. 443,924. DERNBURG FUR COMPANY, INC., Chicago, Ill. Filed May 26, 1941.

DERCO

FOR FURRIERS' KNIVES AND BLADES THEREFOR.
Claims use since May 22, 1940.

Ser. No. 444,017. SEARS ROEBUCK AND CO., Chicago, Ill. Filed May 28, 1941.

Windjammer

FOR TIRE PUMPS, NON-POWER OPERATED.
Claims use since July 31, 1939.

Ser. No. 444,018. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed May 28, 1941.

CRAFTSMAN

FOR BALL BEARINGS.
Claims use since September, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 441,422. HOWARD WALL LIMITED, London, England. Filed Mar. 10, 1941. Under 10-year proviso.

DEAN

FOR MEASURING TAPES.
Claims use since 1840.

Ser. No. 444,024. WAYNE KNITTING MILLS, Fort Wayne, Ind. Filed May 28, 1941.

Belle-Shar-Meter

No claim is made to the word "Meter" apart from the mark.
FOR DEVICE TO MEASURE THE LENGTH AND WIDTH OF HOSIERY FOR LADIES AND MISSES.
Claims use since May 1, 1941.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 443,310. VAN CAMP SEA FOOD CO., INC., Fish Harbor, Terminal Island, Calif. Filed May 6, 1941.

Chicken of the Sea

FOR DINNER-WARE AND BAKING DISHES OF PORCELAIN OR CHINA WARE.
Claims use since Mar. 1, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 443,982. LEWITTES & SONS, INC., New York, N. Y. Filed May 27, 1941.

Dover Crest



The word "Dover" is disclaimed apart from the mark.
FOR UPHOLSTERED SOFAS, COUCHES, AND CHAIRS.
Claims use since Mar. 1, 1941.

Ser. No. 443,983. LEWITTES & SONS, INC., New York, N. Y. Filed May 27, 1941.

Modern Crest

FOR UPHOLSTERED SOFAS, COUCHES, AND CHAIRS.
Claims use since Mar. 1, 1941.

CLASS 33

GLASSWARE

Ser. No. 440,419. LIGHT CONDITIONING COMPANY OF AMERICA, INC., New York, N. Y. Filed Feb. 7, 1941.

ARTFIBER

FOR PANELS OF TRANSPARENT OR TRANSLUCENT GLASS SUITABLE FOR PARTITIONS, SCREENS, WINDOW PANES, MIRROR FRAMES, TRAYS, AND THE LIKE.
Claims use since Jan. 27, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 438,202. KEITH FURNACE COMPANY, Des Moines, Iowa. Filed Nov. 25, 1940.

KEITH LIFETIME

The surname "Keith" is disclaimed apart from the mark.
FOR OIL, GAS, AND COAL FURNACES.
Claims use since June 5, 1940.

Ser. No. 443,161. HOLOPHANE COMPANY, INC., New York, N. Y. Filed May 1, 1941.

CONTROLESCENT

FOR GLASS AND COMBINATION GLASS AND METAL GLOBES AND REFLECTORS.
Claims use since Apr. 25, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 441,687. BETH PHILLIPS, Hollywood, Calif. Filed Mar. 18, 1941.



Applicant disclaims the words "Sacred Hymns" apart from the mark.
FOR MUSICAL RECORDS FOR USE ON PHONOGRAPHS AND RECORDING MACHINES.
Claims use since June 26, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 440,938. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Feb. 24, 1941.

INTERNATIONAL POSTER

The word "Poster" is disclaimed apart from the mark.
FOR PRINTING PAPER.
Claims use since Jan. 3, 1941.

Ser. No. 443,275. AMERICAN REEDCRAFT CORPORATION, New York, N. Y. Filed May 6, 1941.

CRE ART

FOR CRAYONS, ERASERS, WRITING PAPER, RUBBER BANDS, AND CHALK.
Claims use since January, 1941.

Ser. No. 443,434. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa. Filed May 9, 1941.

STRATOWRITER

FOR FOUNTAIN PENS AND PENCILS.
Claims use since May 2, 1941.

Ser. No. 443,509. JEFFRIES BANKNOTE COMPANY, Los Angeles, Calif. Filed May 12, 1941.

SEEMARC

FOR CHECK PAPER.
Claims use since Jan. 18, 1940.

Ser. No. 443,523. TRIMZ COMPANY, INC., Chicago, Ill. Filed May 12, 1941.

TRIMZ

FOR DECORATIVE PAPER SPECIALTIES, SPECIFICALLY TABLE MATS OR DOILIES AND PAPER BORDERS.
Claims use since Oct. 1, 1940.

Ser. No. 443,580. SCOTT PAPER COMPANY, Chester, Pa. Filed May 14, 1941.

Zorbik

FOR TOILET TISSUE.
Claims use since Feb. 18, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 443,981. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed May 27, 1941.

TUFFY

FOR NEWSPAPER CARTOONS.
Claims use since May 6, 1940.

CLASS 39

CLOTHING

Ser. No. 429,180. INTERNATIONAL LATEX CORPORATION, Dover, Del. Filed Mar. 4, 1940.

A nature skin that molds you in

The words "That Molds You In" are disclaimed apart from the mark.
FOR GIRDLES.
Claims use since Feb. 28, 1940.

Ser. No. 437,415. THE PIONEER RUBBER COMPANY, Willard, Ohio. Filed Oct. 30, 1940.

Grip-Tex

The word "Grip" is disclaimed.
FOR HOUSEHOLD RUBBER GLOVES.
Claims use since June 28, 1940.

Ser. No. 438,842. KAYLON, INC., New York, N. Y. Filed Dec. 14, 1940.

Kaylon PAJAMAS STYLED BY Harry Berger

The name "Harry Berger" in the trade-mark is a facsimile signature of Harry Berger, the president of the applicant corporation. The drawing is lined for red. The words "Pajamas" and "Styled By" are disclaimed apart from the mark.
FOR MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS.
Claims use since January, 1928.

Ser. No. 438,843. KAYLON, INC., New York, N. Y. Filed Dec. 14, 1940.

KAYLON "Snugaroos" STYLED BY Harry Berger

The name "Harry Berger" in the trade-mark is a facsimile signature of Harry Berger, the president of the applicant corporation. The drawing is lined for red. The words "Styled By" are disclaimed apart from the mark.
FOR MEN'S, WOMEN'S AND CHILDREN'S PAJAMAS.
Claims use since May 15, 1940.

Ser. No. 439,382. S. AUGSTEIN & Co., New York, N. Y. Filed Jan. 3, 1941.

Sacony

FOR MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS, BATHING SUITS, SCARFS, MUFFLERS, CAPS, HATS, NECKTIES, DRAWERS, BOOTEES, LEGGINGS, CAPES, SOCKS, STOCKINGS, DRESSES, SLIPPERS, PLAY SUITS, JACKETS, OUTER SKIRTS, COATS, SLACKS AND POLO SHIRTS ALL MADE OF KNITTED AND WOVEN FABRICS.

Claims use since July 1, 1934.

Ser. No. 439,992. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Jan. 27, 1941.

Bench-master

The word "Bench" is disclaimed apart from the mark.

FOR MEN'S, WOMEN'S, AND CHILDREN'S LEATHER SHOES.

Claims use since Nov. 4, 1940.

Ser. No. 441,294. WM. JAY TUROFF, New York, N. Y. Filed Mar. 6, 1941.

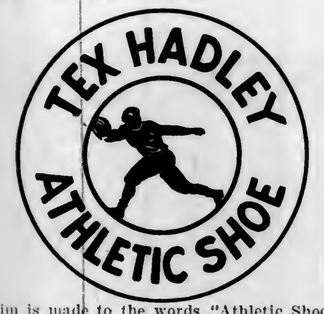


The wording "Nationally Recognized Style Authority" and "Couturier" is disclaimed apart from the mark.

FOR WOMEN'S, MISSES' AND GIRLS' DRESSES, COATS, SUITS, BLOUSES, OUTER SKIRTS, SLACKS, RIDING TOGS (BREECHES, JODHPURS, SLACKS AND PANTS), NIGHTGOWNS, BATHROBES, LOUNGING ROBES, BEACHROBES, AND PAJAMAS.

Claims use since December, 1940.

Ser. No. 441,985. WISCONSIN SHOE COMPANY, Milwaukee, Wis. Filed Mar. 26, 1941.



No claim is made to the words "Athletic Shoe" apart from the mark.

FOR ATHLETIC SHOES—NAMELY, BOXING SHOES, WRESTLING SHOES, BASKETBALL SHOES, FOOTBALL SHOES, SOCCER SHOES, BASEBALL SHOES, SOFT BALL SHOES, TRACK SHOES, BADMINTON SHOES, GOLF SHOES, BOWLING SHOES, BICYCLING SHOES, ROLLER SKATING SHOES, FIGURE SKATING SHOES, AND SKI BOOTS.

Claims use since Feb. 4, 1941.

Ser. No. 441,986. WISCONSIN SHOE COMPANY, Milwaukee, Wis. Filed Mar. 26, 1941.



No claim is made to the words "Athletic Shoe" apart from the mark.

FOR ATHLETIC SHOES—NAMELY, BOXING SHOES, WRESTLING SHOES, BASKETBALL SHOES, FOOTBALL SHOES, SOCCER SHOES, BASEBALL SHOES, SOFT BALL SHOES, TRACK SHOES, BADMINTON SHOES, GOLF SHOES, BOWLING SHOES, BICYCLING SHOES, ROLLER SKATING SHOES, FIGURE SKATING SHOES, AND SKI BOOTS.

Claims use since January, 1936.

Ser. No. 443,437. SHORTOWNE COAT CO. INC., New York, N. Y. Filed May 9, 1941.



The word "Exclusive" is disclaimed apart from the mark.

FOR LADIES' AND MISSES' COATS AND SUITS.

Claims use since April, 1940.

Ser. No. 443,538. LEDERFINE BROS. INC., New York, N. Y. Filed May 13, 1941.

Americuma

FOR CHILDREN'S COATS AND COAT SETS EACH SET COMPRISING A COAT, HAT, AND LEGGINGS.

Claims use since May 1, 1941.

Ser. No. 443,595. BOTANY WORSTED MILLS, Passaic, N. J. Filed May 15, 1941. Under section 5b of the act of 1905 as amended in 1920.



Applicant disclaims all rights in the word "Sportswear." The hatching is for the color yellow and the small circles indicate the color tan.

FOR MEN'S SPORT COATS, JACKETS, WIND BREAKERS, REVERSIBLE JACKETS.

Claims use since Mar. 14, 1938.

Ser. No. 443,617. ED. SCHUSTER & CO., INCORPORATED, Milwaukee, Wis. Filed May 15, 1941.



FOR MEN'S OUTER SHIRTS.

Claims use since Nov. 15, 1940.

Ser. No. 443,808. FIELD AND FLINT CO., Brockton, Mass. Filed May 22, 1941.

MAJOR-flex

FOR SHOES MADE OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC.

Claims use since May 8, 1941.

Ser. No. 443,813. MUTUAL GARMENT COMPANY, St. Louis, Mo. Filed May 22, 1941.

Wonder Panel

No claim is made to the word "Panel" apart from the mark.

FOR WOMEN'S AND MISSES' SLIPS AND PETTICOATS.

Claims use since June 21, 1937.

Ser. No. 443,829. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed May 23, 1941.

Kingsbrooke

FOR MEN'S CLOTHING—NAMELY, SUITS, COATS, TOPCOATS, RAINCOATS, HATS, SMOKING JACKETS, TUXEDOS, UNDERWEAR, EVENING DRESS SUITS, DRESS, NEGLIGEE AND WORK SHIRTS, SOCKS, NECKTIES, COLLARS, AND SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF.

Claims use since Sept. 1, 1940.

Ser. No. 444,161. JESS SHARAF INCORPORATED, Boston, Mass. Filed June 3, 1941.

Stork-Time

FOR WOMEN'S DRESSES.

Claims use since May 1, 1941.

Ser. No. 444,223. KORACH BROTHERS, Chicago, Ill. Filed June 5, 1941.

Junely



The representation of the girl is fanciful.

FOR LADIES' DRESSES.

Claims use since May 21, 1941.

Ser. No. 444,268. MAYFLOWER DRESS CO., INC., New York, N. Y. Filed June 6, 1941.

Amerisport

FOR LADIES' AND MISSES' DRESSES, DRESS AND JACKET ENSEMBLES, BLOUSES, OUTERSHIRTS, SKIRTS, AND PLAY SUITS.

Claims use since Dec. 26, 1939.

Ser. No. 444,269. MAYFLOWER DRESS CO., INC., New York, N. Y. Filed June 6, 1941.

ROSE PARADE

FOR LADIES' AND MISSES' DRESSES, BLOUSES, SKIRTS, JACKETS, DRESS AND JACKET ENSEMBLES, PLAYSUITS, SMOCKS, AND HOUSECOATS

Claims use since Jan. 2, 1940.

Ser. No. 444,270. MAYFLOWER DRESS CO., INC., New York, N. Y. Filed June 6, 1941.

SUNDARLINGS

FOR LADIES' AND MISSES' DRESSES, DRESS AND JACKET ENSEMBLES, BLOUSES, SKIRTS, OUTER-SHIRTS, AND PLAY SUITS.
Claims use since Jan. 15, 1940.

Ser. No. 444,287. SAMUEL STAROBIN, New York, N. Y. Filed June 6, 1941.

Outdorables

FOR WOMEN'S, LADIES', AND MISSES' COATS, SUITS, CAPES, JACKETS, AND COAT AND SUIT ENSEMBLES.
Claims use since July 19, 1938.

Ser. No. 444,289. TEEN FROCKS, INC., New York, N. Y. Filed June 6, 1941.

Teenette

FOR MISSES' AND GIRLS' DRESSES, BLOUSES, SKIRTS, CULOTTES, COATS, AND DRESS AND COAT COMBINATIONS.
Claims use since Jan. 11, 1939.

Ser. No. 444,551. STANDARD KNITTING MILLS, INC., Knoxville, Tenn. Filed June 14, 1941.

Mac DEE

FOR ATHLETIC SHIRTS, SHORTS, AND KNITTED UNDERWEAR FOR MEN, BOYS, WOMEN, AND GIRLS.
Claims use since June, 1938.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 440,486. AQUA-SEC CORPORATION, New York, N. Y. Filed Feb. 10, 1941. Under act of Feb. 20, 1905, as amended June 10, 1938.

AQUA-SEC

FOR TEXTILE PIECE GOODS OF SILK, COTTON, LINEN, WOOL, RAYON, ACETATE, AND OTHER MATERIALS OF ANIMAL, VEGETABLE, AND SYNTHETIC FIBRES AND OF COMBINATIONS THEREOF PROCESSED TO MAKE THE SAME WATER REPELLENT AND SPOT AND PERSPIRATION RESISTANT.
Claims use since July 1, 1932.

Ser. No. 444,000. FOLKARD & LAWRENCE, INC., New York, N. Y. Filed May 28, 1941.

"CONVOY FABRICS"

No claim is made to the word "Fabrics" apart from the mark.
FOR WOOLEN PIECE GOODS.
Claims use since Mar. 5, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 441,853. BOTANY WORSTED MILLS, Passaic, N. J. Filed Mar. 24, 1941.

BOTANA

FOR MACHINE WOOLEN AND WORSTED KNITTING YARN.
Claims use since Feb. 28, 1941.

Ser. No. 442,209. PIEDMONT COTTON MILLS, Egan, Ga. Filed Apr. 2, 1941.

TYMAC

FOR COTTON THREAD AND YARNS.
Claims use since Jan. 1, 1932.

Ser. No. 443,992. HARRY C. WOLFENDEN, doing business as R. Wolfenden & Sons, Attleboro, Mass. Filed May 27, 1941.

BLOSSOM-TIME

FOR YARN.
Claims use since Mar. 1, 1941.

CLASS 46

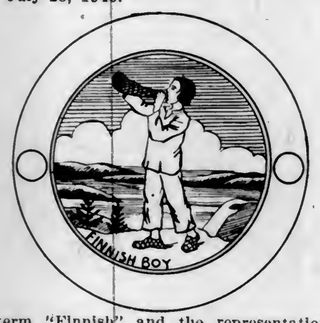
FOODS AND INGREDIENTS OF FOODS

Ser. No. 425,011. THE PALMER CORPORATION, Sarasota, Fla. Filed Oct. 28, 1939.

Palmer House

The applicant is the owner of trade-mark registrations No. 244,387, July 17, 1928; and No. 283,004, May 12, 1931. No claim is made to the word "Palmer" apart from the mark.
FOR CANNED CELERY.
Claims use since Aug. 2, 1939.

Ser. No. 434,331. VILHO O. JARVINEN, New York, N. Y. Filed July 25, 1940.



The term "Finnish" and the representation of the label are disclaimed apart from the mark.
FOR CHEESE.
Claims use since September, 1934.

Ser. No. 438,041. HARLINGEN BROKERAGE COMPANY, Harlingen, Tex. Filed Nov. 19, 1940.

TULIPAN

FOR WHEAT FLOUR.
Claims use since October, 1927.

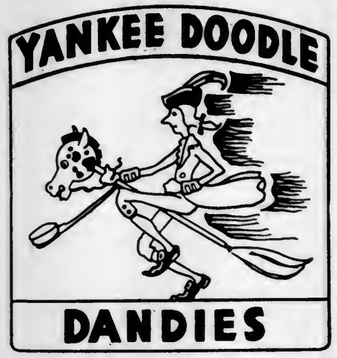
Ser. No. 441,645. THOMAS SIGURDSON, Vernita and White Bluffs, Wash. Filed Mar. 17, 1941.

Ho Hum
Hi-Quality

THOS. SIGURDSON

Applicant disclaims the words "Hi-Quality" and "Thos. Sigurdson" apart from the mark.
FOR FRESH PACKED PEACHES.
Claims use since Aug. 1, 1938.

Ser. No. 443,328. VICTOR L. GROSS, Omaha, Nebr. Filed May 7, 1941.



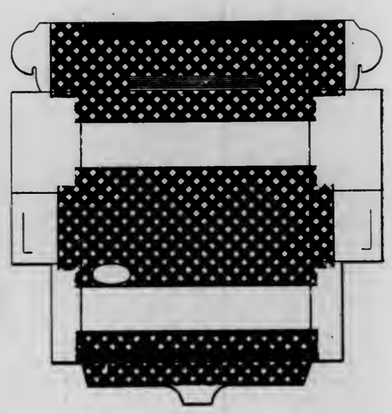
FOR SANDWICHES.
Claims use since Apr. 3, 1941.

Ser. No. 443,628. CONSOLIDATED PRODUCTS COMPANY, Danville, Ill. Filed May 16, 1941.

MIXER-MULSION

Applicant disclaims the word "Mixer" apart from the mark.
FOR PLASTIC STOCK AND POULTRY FOOD.
Claims use since Jan. 1, 1941.

Ser. No. 443,804. THE BORDEN COMPANY, New York, N. Y. Filed May 22, 1941.



The drawing is lined for red, white, and blue, the upper panel being printed in blue and white, the intermediate panel in red and white, and the lower panel in blue and white. The representation of the carton is disclaimed apart from the mark.
FOR ICE CREAM.
Claims use since July 1, 1933.

Ser. No. 443,827. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed May 22, 1941.



FOR SALAD DRESSING AND BAKING POWDER.
Claims use since November, 1914.

Ser. No. 443,886. HORLICK'S MALTED MILK CORPORATION, Racine, Wis. Filed May 24, 1941.



Applicant is the owner of the following registrations: No. 177,995, Jan. 1, 1924; No. 184,990, June 3, 1924.
FOR MALTED MILK.
Claims use since Nov. 28, 1940.

Ser. No. 443,905. THE CHAS. ABBATE COMPANY, Chicago, Ill. Filed May 26, 1941.



FOR FRESH VEGETABLES.
Claims use since Jan. 15, 1939.

Ser. No. 444,600. FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed June 17, 1941.

LONG FELLERS

FOR CANNED PINEAPPLE.
Claims use since June 10, 1941.

CLASS 47

WINES

Ser. No. 442,718. JOSEPH MUT.SCIO, doing business as Prosperity California Wines, New York, N. Y. Filed Apr. 18, 1941.

Cocktail party

FOR WINES.
Claims use since Oct. 25, 1940.

Ser. No. 444,008. MUSCAT CO-OPERATIVE WINERY ASSOCIATION, Kingsburg, Calif. Filed May 28, 1941.



No claim is made to the representation of a label apart from the mark.
FOR WINES.
Claims use since Mar. 25, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 440,235. B. DELATOUR, doing business as E. Delatour & Cie., and as B. Delatour & Cie., Cognac and Bordeaux, France, and Ponce, P. R. Filed Feb. 3, 1941.



The portrait is fanciful. The drawing is lined for gold. No claim is made to the representation of a label per se.
FOR DISTILLED BRANDY.
Claims use since Jan. 1, 1908.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 442,191. WALTER S. GASS, doing business as Linnwood Products Company, Seward, Nebr. Filed Apr. 2, 1941.

LINNWOOD

FOR ORNAMENTAL ARTICLES MADE FROM WOOD, PARTICULARLY WOODEN TRAYS AND WOODEN PLAQUES AND BADGES.
Claims use since Sept. 4, 1940.

Ser. No. 443,351. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed May 7, 1941.

SYLVANIA

FOR TUBING MADE OF NON-FIBROUS CELLULOSIC MATERIAL—NAMELY, REGENERATED CELLULOSE, WHETHER TRANSPARENT OR OPAQUE, COLORED OR UNCOLORED, OR PRINTED.
Claims use since July 17, 1934.

Ser. No. 443,424. MERGENTHALER LINOTYPE COMPANY, New York and Brooklyn, N. Y. Filed May 9, 1941.

CORONA

FOR MATRICES.
Claims use since Jan. 15, 1941.

Ser. No. 443,425. MERGENTHALER LINOTYPE COMPANY, New York and Brooklyn, N. Y. Filed May 9, 1941.

ELECTRA

FOR MATRICES.
Claims use since Oct. 10, 1935.

Ser. No. 443,426. MERGENTHALER LINOTYPE COMPANY, New York and Brooklyn, N. Y. Filed May 9, 1941.

EXCELSIOR

FOR MATRICES.
Claims use since July 8, 1931.

Ser. No. 443,428. MERGENTHALER LINOTYPE COMPANY, New York and Brooklyn, N. Y. Filed May 9, 1941.

OPTICON

FOR MATRICES.
Claims use since Feb. 6, 1936.

Ser. No. 443,430. MERGENTHALER LINOTYPE COMPANY, New York and Brooklyn, N. Y. Filed May 9, 1941.

SPARTAN

FOR MATRICES.
Claims use since Jan. 13, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JULY 29, 1941

389,138. WHISKEY. OLDETYME DISTILLERS, INC., New York, N. Y., assignor to Oldetyme Distillers Corporation, a corporation of Delaware.
Filed June 5, 1935. Serial No. 365,813. PUBLISHED JULY 30, 1935. Class 49.

389,139. BEER. JACKSON BREWING COMPANY, New Orleans, La.
Filed January 11, 1937. Serial No. 387,670. PUBLISHED JUNE 1, 1937. Class 48.

389,140. BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. THE H. C. GODMAN COMPANY, Columbus, Ohio.
Filed December 2, 1937. Serial No. 400,370. PUBLISHED SEPTEMBER 13, 1938. Class 39.

389,141. BOILERS AND FURNACES AND PARTS THEREOF FOR BURNING SOLID AND FLUID FUELS. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa.
Filed February 18, 1938. Serial No. 403,164. PUBLISHED MAY 20, 1941. Class 34.

389,142. SYNTHETIC INITIALLY FLUID OR PLASTIC MATERIAL IN THE NATURE OF SYNTHETIC RESIN FOR USE INCLUDING ADHESIVE PURPOSES, ETC. AMERICAN PHENOLIC CORPORATION, Chicago, Ill.
Filed April 7, 1939. Serial No. 417,951. PUBLISHED MAY 20, 1941. Class 1.

389,143. RAZOR BLADES. UDDEHOLMS AKTIEBOLAG, Uddeholm, Sweden.
Filed July 21, 1939. Serial No. 421,825. PUBLISHED MAY 20, 1941. Class 23.

389,144. HOSIERY, DRESSES FOR WOMEN AND CHILDREN; COATS FOR MEN, WOMEN AND CHILDREN; BLOUSES, ETC. FIRMA PAUL SCHÖNFELD, Chemnitz, Germany.
Filed July 31, 1939. Serial No. 422,155. PUBLISHED MAY 13, 1941. Class 39.

389,145. SEWING MACHINES. CONSOLIDATED SEWING MACHINE & SUPPLY CO. INC., New York, N. Y.
Filed November 3, 1939. Serial No. 425,187. PUBLISHED MAY 20, 1941. Class 23.

389,146. CHEWING GUM. JOSEPH L. CLARK, doing business as J. L. Clark Chicle Co., Fittsburgh, Pa., assignor to General Gum, Incorporated, Chicago, Ill., a corporation.
Filed January 3, 1940. Serial No. 427,097. PUBLISHED MARCH 4, 1941. Class 46.

389,147. OVEN THERMOSTATS FOR GAS RANGES. GEO. D. ROPER CORPORATION, Rockford, Ill.
Filed January 15, 1940. Serial No. 427,451. PUBLISHED MAY 20, 1941. Class 26.

389,148. WOMEN'S AND MISSES' SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR OF COMBINATIONS OF SAID MATERIALS. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed February 9, 1940. Serial No. 428,386. PUBLISHED MAY 6, 1941. Class 39.

389,149. MECHANICALLY OPERATED AND CYCLE GOVERNED DISPENSER OF CLEANING SOLUTIONS FOR USE WITH AND AS ACCESSORY FOR MACHINES FOR WASHING BOTTLES, CANS, DISHES, AND THE LIKE. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed February 12, 1940. Serial No. 428,474. PUBLISHED MAY 20, 1941. Class 23.

389,150. WOMEN'S AND MISSES' SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR OF COMBINATIONS OF SAID MATERIALS. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed February 23, 1940. Serial No. 428,807. PUBLISHED MAY 6, 1941. Class 39.

389,151. MEN'S AND BOYS' UNDERWEAR—NAMELY, SHIRTS, SHORTS, AND UNION SUITS; ALSO MEN'S AND BOYS' HOSIERY, SWEATERS, BELTS AND SUSPENDERS; ALSO MEN'S AND BOYS' DRESS AND NEGLIGEE OUTER SHIRTS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed March 16, 1940. Serial No. 429,666. PUBLISHED APRIL 29, 1941. Class 39.

389,152. FRESH VEGETABLES AND FRESH GRAPES. H. FRANKENTHAL, doing business as Frankenthal Company, Weslaco, Tex., and Sanger, Calif.
Filed March 23, 1940. Serial No. 429,900. PUBLISHED MAY 20, 1941. Class 46.

389,153. BRASSIÈRES, BANDEAUX, CORSETS, CORSELETS, GARTER-BELTS, GIRDLES, PANTIES, BATHING SUITS, SLIPS, NIGHTGOWNS, AND NEGLIGEES. THE CORSET BAR, INC., New York, N. Y.
Filed April 20, 1940. Serial No. 431,000. PUBLISHED AUGUST 20, 1940. Class 39.

389,154. CARBON PAPER. F. S. WEBSTER COMPANY, Cambridge, Mass.
Filed June 1, 1940. Serial No. 432,590. PUBLISHED MAY 20, 1941. Class 11.

389,155. FISH CONSERVES. EDUARDO STICHANER LACASTA, Olhao, Portugal.
Filed June 4, 1940. Serial No. 432,644. PUBLISHED MAY 20, 1941. Class 46.

389,156. MINERALS AND ORE CONCENTRATES. OREFRACTION INCORPORATED, Pittsburgh, Pa.
Filed June 21, 1940. Serial No. 433,260. PUBLISHED APRIL 29, 1941. Class 1.

389,157. POPPED POPCORN OF SALTED NATURAL FLAVOR, AND ALSO POPPED POPCORN FLAVORED WITH CHEESE, AND POPPED POPCORN FLAVORED WITH CARAMEL. FRANK P. EMERSON, doing business as Emerson Bros. Mfg. Co., Los Angeles, Calif.
Filed June 29, 1940. Serial No. 433,526. PUBLISHED MAY 20, 1941. Class 46.

389,158. BOOKS IN THE NATURE OF A DIARY AND INSERTS THEREFOR. LEON DOUGLAS DODSON, Kew Gardens, N. Y.
Filed July 9, 1940. Serial No. 433,777. PUBLISHED APRIL 29, 1941. Class 37.

389,159. SHOES MANUFACTURED IN BOTH LEATHER AND FABRICS. FALCON SHOE COMPANY, St. Louis, Mo.
Filed July 22, 1940. Serial No. 434,209. PUBLISHED MAY 6, 1941. Class 39.

389,160. WATER ICE. THE BORDEN COMPANY, New York, N. Y.
Filed July 25, 1940. Serial No. 434,311. PUBLISHED MAY 20, 1941. Class 46.

389,161. INDEX CARDS. THE McBEE COMPANY, Athens, Ohio.
Filed July 27, 1940. Serial No. 434,414. PUBLISHED MAY 13, 1941. Class 37.

389,162. SHOWER BATH CURTAINS AND MATCHING WINDOW DRAPES AND SHOWER CURTAINS SOLD TOGETHER AS A UNIT. PARA MANUFACTURING CO., INC., Newark, N. J.
Filed July 30, 1940. Serial No. 434,499. PUBLISHED MAY 20, 1941. Class 13.

389,163. BATHING SUITS, SWEATERS, SUITS, AND HATS FOR WOMEN. B. ALTMAN & CO., New York, N. Y.
Filed August 2, 1940. Serial No. 434,591. PUBLISHED APRIL 29, 1941. Class 39.

389,164. SHOE POLISHING KIT, COMPRISING CAN OF POLISH, BRUSH, AND DAUBER. R. M. HOLLINGSHEAD CORP., Camden, N. J., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York.
Filed August 3, 1940. Serial No. 434,646. PUBLISHED MAY 20, 1941. Class 50.

389,165. TREATED FABRICS. C. E. BRIDDELL COMPANY, Baltimore, Md.
Filed August 13, 1940. Serial No. 434,926. PUBLISHED MAY 20, 1941. Class 50.

389,166. CLOTH OF COTTON, WOOL, SILK, RAYON AND LINEN IN THE PIECE AND DRAPERY FABRICS. C. E. BRIDDELL COMPANY, Baltimore, Md.
Filed August 13, 1940. Serial No. 434,927. PUBLISHED MAY 20, 1941. Class 42.

389,167. ELECTRIC VIBRATORS FOR THERAPEUTIC PURPOSES. BEAUTY APPLIANCE CORPORATION, Racine, Wis.
Filed August 22, 1940. Serial No. 435,235. PUBLISHED MAY 20, 1941. Class 44.

389,168. LADIES' DRESSES. KORBY SPORTSWEAR, INC., New York, N. Y.
Filed August 22, 1940. Serial No. 435,248. PUBLISHED MAY 13, 1941. Class 39.

389,169. SWITCHES FOR FLUORESCENT LIGHTS. THE WHEELER INSULATED WIRE CO., Bridgeport, Conn.
Filed August 22, 1940. Serial No. 435,269. PUBLISHED MAY 20, 1941. Class 21.

389,170. SOUND MOTION PICTURES. MILLS NOVELTY COMPANY, Chicago, Ill.
Filed August 26, 1940. Serial No. 435,398. PUBLISHED MAY 20, 1941. Class 26.

389,171. CHEESE. PURITY CHEESE CO., Mayville, Wis.
Filed August 31, 1940. Serial No. 435,591. PUBLISHED MAY 20, 1941. Class 46.

389,172. CIGARS. CONSTANTINO GONZALEZ Y CIA., S. EN C., Habana, Cuba.
Filed September 9, 1940. Serial No. 435,789. PUBLISHED MAY 13, 1941. Class 17.

389,173. PREPARED MEATS WHICH ARE SMOKED AND SPICED PORK BUTTS. V. CERAVOLO PROVISIONS, INC., Philadelphia, Pa.
Filed September 23, 1940. Serial No. 436,247. PUBLISHED MAY 20, 1941. Class 46.

389,174. SPONGE RUBBER IN SHEET AND VARIOUS OTHER FORMS. BROWN RUBBER COMPANY, INC., La Fayette, Ind.
Filed October 17, 1940. Serial No. 437,025. PUBLISHED MAY 20, 1941. Class 1.

389,175. SPATS. ERWIN ERIC LINDNER, doing business as Galagaiters Manufacturing Co., New York, N. Y.
Filed October 17, 1940. Serial No. 437,042. PUBLISHED APRIL 29, 1941. Class 39.

389,176. POTATO CHIPS. JOSEPH FINGERHUT, doing business as Havmor Food Products, Brooklyn, N. Y.
Filed November 4, 1940. Serial No. 437,558. PUBLISHED MAY 13, 1941. Class 46.

389,177. PREPARED MIXTURE FOR THE MAKING OF DOUGHNUTS, CAKES, ROLLS, BREAD, AND OTHER PASTRY PRODUCTS. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed November 8, 1940. Serial No. 437,694. PUBLISHED JANUARY 14, 1941. Class 46.

389,178. WOMEN'S, GIRLS', AND CHILDREN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. WOHL SHOE COMPANY, St. Louis, Mo.
Filed November 12, 1940. Serial No. 437,792. PUBLISHED APRIL 29, 1941. Class 39.

389,179. FLUTES. THE FRED GRETSCH MANUFACTURING CO., Brooklyn, N. Y.
Filed November 13, 1940. Serial No. 437,820. PUBLISHED MAY 20, 1941. Class 36.

389,180. FRESH EGGS. RALSTON PURINA COMPANY, St. Louis, Mo.
Filed November 15, 1940. Under act of Feb. 20, 1905, as amended June 10, 1938. Serial No. 437,914. PUBLISHED MAY 20, 1941. Class 46.

389,181. GLOVES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF, AND RUBBERIZED GLOVES, OR GLOVES MADE PARTIALLY OF RUBBER. SAMUEL I. GROSS, doing business as Giant Glove Co., New York, N. Y.
Filed November 20, 1940. Serial No. 438,074. PUBLISHED FEBRUARY 18, 1941. Class 39.

389,182. POULTRY, DAIRY, LIVESTOCK, AND HOG FEEDS, CORNMEAL, AND WHEAT FLOUR. TEX-O-KAN FLOUR MILLS COMPANY, also doing business as Burrus Feed Mills, Dallas, Tex.
Filed November 27, 1940. Serial No. 438,288. PUBLISHED MAY 20, 1941. Class 46.

389,183. PIVOT BORING TOOL HOLDER FOR LATHE USE. ALBERT THOMAS BABINEAU, Los Angeles, Calif.
Filed November 28, 1940. Serial No. 438,298. PUBLISHED MAY 20, 1941. Class 23.

389,184. BLOUSES AND DRESSES INTENDED FOR WEAR BY WOMEN AND CHILDREN; OUTER SHIRTS, SUITS, AND HATS INTENDED FOR WEAR BY MEN, WOMEN, AND CHILDREN, ETC. B. ALTMAN & CO., New York, N. Y.
Filed December 9, 1940. Serial No. 438,639. PUBLISHED MAY 6, 1941. Class 39.

389,185. NECKTIES. STERN, MERRITT CO., INC., New York, N. Y.
Filed December 13, 1940. Serial No. 438,817. PUBLISHED APRIL 29, 1941. Class 39.

389,186. COLORED ACETATE SHEETS DESIGNED TO ABSORB A PORTION OF THE SUN'S SPECTRUM OR OF THE SPECTRUM OF OTHER ILLUMINANTS. THE GEVAERT COMPANY OF AMERICA, INC., New York, N. Y.
Filed December 14, 1940. Serial No. 438,837. PUBLISHED MAY 13, 1941. Class 50.

389,187. SYNTHETIC BRISTLING FILAMENTS. LACTONA, INCORPORATED, St. Paul, Minn.
Filed December 16, 1940. Serial No. 438,887. PUBLISHED MAY 20, 1941. Class 1.

389,188. CORDIALS, LIQUEURS, BRANDIES, AND GINS. MAR-SALLE CHICAGO COMPANY, Chicago, Ill.
Filed December 20, 1940. Serial No. 439,050. PUBLISHED MAY 20, 1941. Class 49.

389,189. POTATOES. MICHIGAN POTATO GROWERS' EXCHANGE, INC., Cadillac, Mich.
Filed December 26, 1940. Serial No. 439,204. PUBLISHED MAY 20, 1941. Class 46.

389,190. HYBRID SEED CORN. IOWA-MISSOURI HYBRID CORN CO., Pulaski, Iowa.
Filed December 28, 1940. Serial No. 439,251. PUBLISHED MAY 6, 1941. Class 1.

389,191. HONEY MIXTURES, PARTICULARLY SPREADS MADE OF HONEY AND FRUITS. A. W. YATES, INC., Hartford, Conn.
Filed January 8, 1941. Serial No. 439,509. PUBLISHED MAY 20. 1941. Class 46.

389,192. FRESH VEGETABLES—NAMELY, FRESH LETTUCE. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif.
Filed January 13, 1941. Serial No. 439,632. PUBLISHED MAY 20, 1941. Class 46.

389,193. COMBINATION BOTTLE CAP AND BRUSH SOLD AS SUCH. SHU-MILK PRODUCTS CORPORATION. Passaic, N. J.
Filed January 14, 1941. Serial No. 439,671. PUBLISHED APRIL 29, 1941. Class 50.

389,194. COMBINATION BOTTLE CAP AND BRUSH SOLD AS SUCH. SHU-MILK PRODUCTS CORPORATION, Passaic, N. J.
Filed January 14, 1941. Serial No. 439,672. PUBLISHED APRIL 29, 1941. Class 50.

389,195. SELF-PROPELLED PICKUP STREET SWEEPERS. MUNICIPAL SUPPLY COMPANY, South Bend, Ind.
Filed January 16, 1941. Serial No. 439,722. PUBLISHED MAY 20, 1941. Class 23.

389,196. BAKING ACID—NAMELY ACID USED IN THE BAKING OF FOOD PRODUCTS. ARTHUR T. COAKLEY, Catonsville, Md.
Filed January 21, 1941. Serial No. 439,805. PUBLISHED MAY 20, 1941. Class 46.

389,197. FLOUR FOR DOUGHNUT FORMULAE. ARTHUR T. COAKLEY, Catonsville, Md.
Filed January 21, 1941. Serial No. 439,806. PUBLISHED MAY 20, 1941. Class 46.

389,198. KIT OR PACKAGE CONTAINING ARTICLES REPRESENTING IN MINIATURE ROOMS AND ARTICLES OF FURNITURE AND FURNISHINGS, TO BE USED IN PLANNING THE INTERIOR DECORATION OF A HOME. PAUL MACALISTER, INC., New York, N. Y.
Filed January 21, 1941. Serial No. 439,820. PUBLISHED MAY 13, 1941. Class 50.

389,199. GOAT AND KID LEATHER IN GLAZED, MATT, GRAIN, AND SUEDE FINISHES. JOHN R. EVANS & COMPANY, Camden, N. J.
Filed January 22, 1941. Serial No. 439,860. PUBLISHED MAY 13, 1941. Class 1.

389,200. WOMEN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF; DRESSES, COATS, RAINCOATS, FUR COATS, SUITS, HOSE, SLIPS, UNION SUITS, VESTS, PANTIES, ETC. LANSBURGH & BRO., Washington, D. C.
Filed January 24, 1941. Serial No. 439,934. PUBLISHED MAY 13, 1941. Class 39.

389,201. SUSPENDERS, BELTS IN THE NATURE OF GARMENT SUPPORTERS, AND GARTERS. JACOB WECHSLER & SONS, INC., New York, N. Y.
Filed January 24, 1941. Serial No. 439,954. PUBLISHED APRIL 29, 1941. Class 39.

389,202. LIGHT REFLECTING MATERIAL IN SHEET FORM. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed January 25, 1941. Serial No. 439,970. PUBLISHED MAY 6, 1941. Class 50.

389,203. FIXED TEMPERATURE AND RATE-OF-RISE TYPES OF SPRINKLER SYSTEM CONTROL THERMOSTATS. "AUTOMATIC" SPRINKLER COMPANY OF AMERICA, Youngstown, Ohio.
Filed January 27, 1941. Serial No. 439,987. PUBLISHED MAY 20, 1941. Class 26.

389,204. LEATHER. B. D. EISENDRATH TANNING CO., Chicago, Ill.
Filed January 29, 1941. Serial No. 440,086. PUBLISHED MAY 6, 1941. Class 1.

389,205. WICKS FOR LIQUID HYDROCARBON FUEL BURNERS. A. J. LINDEMANN & HOVERSON COMPANY, Milwaukee, Wis.
Filed January 31, 1941. Serial No. 440,169. PUBLISHED MAY 20, 1941. Class 34.

389,206. LADIES' KNITTED UNDERWEAR—NAMELY, KNICKERS AND VESTS; WOMEN'S AND CHILDREN'S OUTERWEAR—NAMELY, DRESSES, ETC. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 1, 1941. Serial No. 440,189. PUBLISHED APRIL 29, 1941. Class 39.

389,207. WAXED, OILED, IMPREGNATED, HEAT-SEALING, SELF-SEALING, OPAQUE, WATERPROOF, MOISTUREPROOF, VERMINPROOF, DUSTPROOF, OR AIRPROOF PAPER, ETC. KELLOGG COMPANY, Battle Creek, Mich.
Filed February 1, 1941. Serial No. 440,200. PUBLISHED MAY 13, 1941. Class 37.

389,208. WAXED, OILED, IMPREGNATED, HEAT-SEALING, SELF-SEALING, OPAQUE, WATERPROOF, MOISTUREPROOF, VERMINPROOF, DUSTPROOF, OR AIRPROOF PAPER, ETC. KELLOGG COMPANY, Battle Creek, Mich.
Filed February 1, 1941. Serial No. 440,201. PUBLISHED MAY 13, 1941. Class 37.

389,209. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CANNED SHELLFISH, ETC. PACIFIC COAST GROCERY CO., INC., also doing business as Brannan Distributing Company, San Francisco, Calif.
Filed February 3, 1941. Serial No. 440,261. PUBLISHED MAY 20, 1941. Class 46.

389,210. CHECK BOOKS, ACCOUNT BOOKS, ENTRY BOOKS, AND BINDERS. JOSEPH BERG, New York, N. Y.
Filed February 4, 1941. Serial No. 440,278. PUBLISHED MAY 6, 1941. Class 37.

389,211. LEATHER. B. D. EISENDRATH TANNING CO., Chicago, Ill.
Filed February 4, 1941. Serial No. 440,284. PUBLISHED MAY 6, 1941. Class 1.

389,212. WOMEN'S COATS, JACKETS, MUFFS, AND MADE-UP FUR COLLARS AND CUFFS. MORTON ETELSON, New York, N. Y.
Filed February 4, 1941. Serial No. 440,285. PUBLISHED MAY 6, 1941. Class 39.

389,213. SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR COMBINATIONS OF SAID MATERIALS, AND CHARACTERIZED BY HAVING THE FORE OR TOE PART THEREOF MADE OF TRANSPARENT FLEXIBLE MATERIAL. AUGUST V. ETTELBRICK, Casey, Ill.
Filed February 5, 1941. Serial No. 440,324. PUBLISHED MAY 13, 1941. Class 39.

389,214. COMBINATION RADIO AND PHONOGRAPH. CONTINENTAL RADIO AND TELEVISION CORPORATION, Chicago, Ill.
Filed February 6, 1941. Serial No. 440,368. PUBLISHED MAY 20, 1941. Class 36.

389,215. PUMPS FOR HANDLING GASEOUS FLUIDS. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill.
Filed February 7, 1941. Serial No. 440,405. PUBLISHED MAY 20, 1941. Class 23.

389,216. PENCILS, FOUNTAIN-PENS, RULERS (UNGRADUATED), ERASERS, PEN AND PENCIL HOLDERS, PENCIL SHARPENERS, ETC. BENJAMIN MICHAELIS, doing business as Statolet Company, New York, N. Y.
Filed February 7, 1941. Serial No. 440,420. PUBLISHED MAY 20, 1941. Class 37.

389,217. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed February 8. 1941. Serial No. 440,476. PUBLISHED MAY 6, 1941. Class 39.

389,218. COAL. CHEROKEE COAL COMPANY, Louisville, Ky.
Filed February 10, 1941. Serial No. 440,491. PUBLISHED MAY 6. 1941. Class 1.

389,219. COAL. CHEROKEE COAL COMPANY, Louisville, Ky.
Filed February 10, 1941. Serial No. 440,492. PUBLISHED MAY 6. 1941. Class 1.

389,220. CONCRETE HOLDING HOPPERS, CONCRETE HOLDING BINS, CONCRETE HOISTING BUCKETS, CONCRETE HANDLING TOWERS, ETC. GARLINGHOUSE BROTHERS, Los Angeles, Calif.
Filed February 10, 1941. Serial No. 440,500. PUBLISHED MAY 20. 1941. Class 23.

389,221. LINENS AND CHENILLE PIECE GOODS OF COTTON AND RAYON. ALBERTO G. ANTOLINI, doing business as Hillandale Fabrics, New York, N. Y.
Filed February 10, 1941. Serial No. 440,530. PUBLISHED MAY 20, 1941. Class 42.

389,222. HATS AND HAT BODIES FOR MEN, WOMEN, AND CHILDREN. R. H. COMEY COMPANY, INC., Brooklyn, N. Y.
Filed February 12, 1941. Serial No. 440,582. PUBLISHED MAY 13. 1941. Class 39.

389,223. GLOVES MADE OF LEATHER AND/OR FABRIC. GLOVECRAFT, INC., Johnstown, N. Y.
Filed February 12, 1941. Serial No. 440,588. PUBLISHED MAY 6. 1941. Class 39.

389,224. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY AND BATHING SUITS. IMPERIAL HOSIERY CO., Pittsburgh, Pa.
Filed February 14, 1941. Serial No. 440,654. PUBLISHED MAY 6, 1941. Class 39.

389,225. WAXED PAPER TO BE USED PARTICULARLY FOR WRAPPING ARTICLES OF FOOD, ETC. CROWN ZELLERBACH CORPORATION, San Francisco, Calif., doing business as Western Waxed Paper Company, Division of Crown Zellerbach Corporation, North Portland, Oreg.
Filed February 15, 1941. Serial No. 440,676. PUBLISHED MAY 20, 1941. Class 37.

389,226. AMMETERS, OIL GAUGES, GASOLINE GAUGES, HEAT INDICATORS, SPEEDOMETERS AND MOUNTINGS THEREFOR, AND STOVE TIMERS, ETC. KING-SEELEY CORPORATION, Ann Arbor, Mich.
Filed February 15, 1941. Serial No. 440,690. PUBLISHED MAY 20, 1941. Class 26.

389,227. ALGIN COMPOSITION FOR USE IN BAKERY GOODS, SUCH AS BREAD OR THE LIKE, TO IMPART BETTER KEEPING AND CHEWING PROPERTIES THERETO. KELCO COMPANY, San Diego, Calif.
Filed February 17, 1941. Serial No. 440,723. PUBLISHED MAY 20, 1941. Class 46.

389,228. LADIES' GLOVES MADE OF LEATHER AND FABRIC. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., and Denver, Colo., also doing business as Famous-Barr Company, St. Louis, Mo., and also as The M. O'Neil Co., Akron, Ohio.
Filed February 19, 1941. Serial No. 440,786. PUBLISHED MAY 6, 1941. Class 39.

389,229. CORSETS, GIRDLES, FOUNDATIONS, BRASSIÈRES, CORSELETS, BANDEAUX, COMBINATIONS COMPOSED OF GIRDLES AND PANTIES, AND GIRDLES AND BRASSIÈRES. KABO CORSET COMPANY, Chicago, Ill.
Filed February 20, 1941. Serial No. 440,819. PUBLISHED MAY 20, 1941. Class 39.

389,230. PROCESSED ANTISEPTIC TICKING FOR USE ON FINISHED MATTRESSES. NATIONAL MATTRESS COMPANY, Huntington, W. Va.
Filed February 20, 1941. Serial No. 440,829. PUBLISHED MAY 6, 1941. Class 50.

389,231. ARTIFICIAL FILAMENTS AND PLASTIC SHEET MATERIAL. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed February 20, 1941. Serial No. 440,833. PUBLISHED APRIL 29. 1941. Class 1.

389,232. DAIRY MACHINERY—NAMELY, CREAM SEPARATORS, CLARIFIERS, MILKING MACHINES, PURIFIERS, BUTTER CHURNS, AND PARTS THEREOF. WÄRTSILÄ-YHTYMÄ O/Y-WÄRTSILÄ-KONCERNEN A/B, Vartsila, Finland.
Filed February 20, 1941. Serial No. 440,844. PUBLISHED MAY 20, 1941. Class 23.

389,233. CASEIN. DANIEL GARCIA POSADAS, Buenos Aires, Argentina.
Filed February 21, 1941. Serial No. 440,877. PUBLISHED APRIL 29. 1941. Class 1.

389,234. CANNED VEGETABLES AND CANNED VEGETABLE JUICES. SAUKVILLE CANNING CO., Milwaukee and Saukville, Wis.
Filed February 21, 1941. Serial No. 440,880. PUBLISHED MAY 20, 1941. Class 46.

389,235. SPANISH BRANDY. SCHROEDER BROS., INC., New York, N. Y.
Filed February 21, 1941. Serial No. 440,884. PUBLISHED MAY 20, 1941. Class 49.

389,236. LADIES' SHOES OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS OF SAME. EDISON BROTHERS STORES, INC., St. Louis, Mo.
Filed February 24, 1941. Serial No. 440,925. PUBLISHED APRIL 29, 1941. Class 39.

389,237. PEAT MOSS. FAESY & BESTHOFF, INC., New York, N. Y.
Filed February 24, 1941. Serial No. 440,927. PUBLISHED MAY 20, 1941. Class 1.

389,238. PEAT MOSS. FAESY & BESTHOFF, INC., New York, N. Y.
Filed February 24, 1941. Serial No. 440,928. PUBLISHED MAY 20, 1941. Class 1.

389,239. HAIR NETS. SOLO PRODUCTS CORPORATION, New York, N. Y.
Filed February 24, 1941. Serial No. 440,964. PUBLISHED MAY 6, 1941. Class 39.

389,240. BRASSIÈRES AND FOUNDATION GARMENTS. A. STEIN & COMPANY, Chicago, Ill.
Filed February 24, 1941. Serial No. 440,965. PUBLISHED MAY 6, 1941. Class 39.

389,241. CORSETS, GIRDLES, AND COMBINATION FOUNDATION UNDERGARMENTS COMPRISING COMBINATION OF TWO OR MORE OF THE FOLLOWING: BRASSIÈRE OR BANDEAU, GIRDLE, CORSET, OR CORSELET AND SKIRT, UNDERDRAWERS OR BLOOMERS. THE LA RESISTA CORSET COMPANY, Bridgeport, Conn.
Filed February 25, 1941. Serial No. 440,990. PUBLISHED MAY 6, 1941. Class 39.

389,242. TOILET BRUSHES—NAMELY, HAIR BRUSHES, TOOTHBRUSHES, NAIL BRUSHES, BATH BRUSHES, COMPLEXION BRUSHES, HAND BRUSHES, AND HAT BRUSHES. JOHN HUDSON MOORE, INC., New York, N. Y.
Filed February 25, 1941. Serial No. 440,993. PUBLISHED MAY 13, 1941. Class 29.

389,243. METALLIC PISTON RINGS AND SPRING EXPANDERS THEREFOR. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa.
Filed February 26, 1941. Serial No. 441,004. PUBLISHED MAY 20, 1941. Class 35.

389,244. METALLIC PISTON RINGS, AND SPRING EXPANDERS THEREFOR. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa.
Filed February 26, 1941. Serial No. 441,005. PUBLISHED MAY 20, 1941. Class 35.

389,245. BATHROOM TISSUE. FEDERATED FOODS, INC., Chicago, Ill.
Filed February 27, 1941. Serial No. 441,051. PUBLISHED APRIL 29, 1941. Class 37.

389,246. TOILET TISSUE, WRAPPING PAPER, PRINTING PAPER, TAG BOARD, BOOK PAPER, COVER PAPER, ETC. THE SORG PAPER CO., Middletown, Ohio.
Filed February 27, 1941. Serial No. 441,063. PUBLISHED APRIL 29, 1941. Class 37.

389,247. WRITING AND PRINTING PAPER. STRATHMORE PAPER COMPANY, West Springfield, Mass.
Filed February 27, 1941. Serial No. 441,064. PUBLISHED APRIL 29, 1941. Class 37.

389,248. COAL. BESSEMER COAL IRON & LAND COMPANY, Birmingham, Ala.
Filed February 28, 1941. Serial No. 441,080. PUBLISHED MAY 20, 1941. Class 1.

389,249. PHOTOGRAPHIC ALBUMS AND HOLDERS. BENJAMIN LAPPER, Brooklyn, N. Y., assignor to National Pad & Tablet Corp., New York, N. Y.
Filed February 28, 1941. Serial No. 441,096. PUBLISHED MAY 13, 1941. Class 37.

389,250. HIGHWAY TRACTOR ATTACHMENTS, COMPRISING PICK-UP SCRAPERS, SCARIFIERS, ROAD GRADERS, SNOW PLOWS, BULLDOZERS, ANGLEDOZERS, MOWERS, AND POWER WINCHES. ARPS CORPORATION, New Holstein, Wis.
Filed March 1, 1941. Serial No. 441,120. PUBLISHED MAY 20, 1941. Class 23.

389,251. COASTER SLEDS. THE RAMSMORE SLED COMPANY, INC., New York, N. Y.
Filed March 1, 1941. Serial No. 441,141. PUBLISHED MAY 20, 1941. Class 22.

389,252. SHOES FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed March 3, 1941. Serial No. 441,154. PUBLISHED MAY 6, 1941. Class 39.

389,253. MEN'S RUBBER BOOTS, RUBBERS, AND GALOSHES. CHICAGO MAIL ORDER COMPANY, Chicago, Ill.
Filed March 3, 1941. Serial No. 441,155. PUBLISHED MAY 20, 1941. Class 39.

389,254. METAL WORKING TOOLS—NAMELY, METAL CUTTING TOOLS, TOOL HOLDERS, AND CHUCKS. RALPH A. EDENS, doing business as Falcon Tool Company, Detroit, Mich.
Filed March 3, 1941. Serial No. 441,160. PUBLISHED MAY 20, 1941. Class 23.

389,255. CHEESE. FARMELLA FOOD PRODUCTS CORPORATION, New York, N. Y.
Filed March 3, 1941. Serial No. 441,161. PUBLISHED MAY 20, 1941. Class 46.

389,256. LEATHER SKINS AND LEATHER IN THE PIECE IN FLAT, ROUND OR SIMILAR SHAPE. LOEWENGART & COMPANY, New York, N. Y.
Filed March 3, 1941. Serial No. 441,168. PUBLISHED MAY 20, 1941. Class 1.

389,257. MATS MADE OF RUBBERIZED CORDS ASSEMBLED ON STEEL SPRING WIRE FOR DOOR-STEPS, LAUNDRIES, AND KITCHENS. EUGENE F. MCCLUNG, doing business as Royal Auto Products Company, Huntington Park, Calif.
Filed March 3, 1941. Serial No. 441,169. PUBLISHED MAY 20, 1941. Class 32.

389,258. MEN'S, YOUNG MEN'S, AND BOYS' SUITS, OVERCOATS, TOPCOATS, RAINCOATS, SPORT COATS, SPORT JACKETS, DRESS JACKETS, MACKINAWS, TROUSERS, HATS, SPORT SHIRTS, DRESS SHIRTS, HANDKERCHIEFS, SOCKS, SWEATERS, SCARFS, AND NECKTIES. FRANK H. COHEN, New York, N. Y.
Filed March 4, 1941. Serial No. 441,195. PUBLISHED MAY 6, 1941. Class 39.

389,259. FUR SKINS. EITINGON-GREGORY, INC., New York, N. Y.
Filed March 4, 1941. Serial No. 441,196. PUBLISHED MAY 6, 1941. Class 1.

389,260. WOMEN'S AND MISSES' SHOES. SAKS & COMPANY, New York, N. Y.
Filed March 4, 1941. Serial No. 441,215. PUBLISHED MAY 13, 1941. Class 39.

389,261. BOTTLED JAMS, JELLIES, FRUIT AND BERRY PRESERVES, ORANGE MARMALADE, AND DICED PINEAPPLE FOR GARNISHING. G. B. RAFFETTO, INC., New York, N. Y.
Filed March 5, 1941. Serial No. 441,256. PUBLISHED MAY 20, 1941. Class 46.

389,262. CIGARETTE PAPER. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C.
Filed March 6, 1941. Serial No. 441,281. PUBLISHED MAY 20, 1941. Class 8.

389,263. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed March 6, 1941. Serial No. 441,287. PUBLISHED MAY 6, 1941. Class 1.

389,264. SANITARY BELTS AND TAMPONS. A. STEIN & COMPANY, Chicago, Ill.
Filed March 6, 1941. Serial No. 441,292. PUBLISHED MAY 20, 1941. Class 44.

389,265. VEHICLE TIRES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC. THE MOHAWK RUBBER COMPANY, Akron, Ohio.
Filed March 7, 1941. Serial No. 441,321. PUBLISHED MAY 20, 1941. Class 35.

389,266. DISPLAY BOARD FOR STRETCHING SHIRTS. CONRAD G. WOELKY, Port Washington, N. Y.
Filed March 7, 1941. Serial No. 441,339. PUBLISHED MAY 6, 1941. Class 50.

389,267. CIGARS, CIGARETTES, SMOKING TOBACCO, AND CHEWING TOBACCO. FRITZ S. BAER, doing business as F. S. Baer Co., Los Angeles, Calif.
Filed March 8, 1941. Serial No. 441,342. PUBLISHED MAY 6, 1941. Class 17.

389,268. WHEAT FLOUR. CHARLESTON MILLING COMPANY, Charleston, W. Va.
Filed March 8, 1941. Serial No. 441,348. PUBLISHED MAY 20, 1941. Class 46.

389,269. FILE FOLDERS. REMINGTON RAND INC., Buffalo, N. Y.
Filed March 8, 1941. Serial No. 441,369. PUBLISHED MAY 6, 1941. Class 37.

389,270. FILE FOLDERS. REMINGTON RAND INC., Buffalo, N. Y.
Filed March 8, 1941. Serial No. 441,370. PUBLISHED MAY 6, 1941. Class 37.

389,271. BLANK AND PARTIALLY PRINTED INDEX CARDS. REMINGTON RAND INC., Buffalo, N. Y.
Filed March 8, 1941. Serial No. 441,371. PUBLISHED MAY 13, 1941. Class 37.

389,272. FILE FOLDERS. REMINGTON RAND INC., Buffalo, N. Y.
Filed March 8, 1941. Serial No. 441,372. PUBLISHED MAY 6, 1941. Class 37.

389,273. MEN'S AND BOYS' TOPCOATS, OVERCOATS, SUITS, TROUSERS, RAINCOATS, ETC. BOND STORES, INCORPORATED, New York, N. Y.
Filed March 10, 1941. Serial No. 441,385. PUBLISHED MAY 6, 1941. Class 39.

389,274. LADIES' UNDERGARMENTS, PARTICULARLY SLIPS, CORSETS, AND BRASSIÈRES. EDITH LANCES BRASSIERES, New York, N. Y.
Filed March 11, 1941. Serial No. 441,437. PUBLISHED MAY 13, 1941. Class 39.

389,275. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. SPRIG CO., Minneapolis, Minn.
Filed March 12, 1941. Serial No. 441,490. PUBLISHED MAY 20, 1941. Class 45.

389,276. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. GENERAL SHOE CORPORATION, Nashville, Tenn.
Filed March 13, 1941. Serial No. 441,507. PUBLISHED MAY 13, 1941. Class 39.

389,277. MEN'S FELT HATS. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed March 13, 1941. Serial No. 441,523. PUBLISHED MAY 13, 1941. Class 39.

389,278. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING SAME. S. J. CORMANY, JR., doing business as Dr. Pepper Bottling Co., Mount Vernon, Ill.
Filed March 19, 1941. Serial No. 441,697. PUBLISHED MAY 20, 1941. Class 45.

389,279. MEN'S AND WOMEN'S GLOVES MADE OF FABRICS, LEATHER, OR COMBINATIONS THEREOF. FOWNES BROTHERS & COMPANY, INC., New York, N. Y.
Filed March 19, 1941. Serial No. 441,700. PUBLISHED MAY 13, 1941. Class 39.

389,280. ANTI-SKID CHAINS. COLUMBUS MCKINNON CHAIN CORPORATION, Tonawanda, N. Y.
Filed March 25, 1941. Serial No. 441,902. PUBLISHED MAY 20, 1941. Class 13.

389,281. PRESSURE CONTROLLERS AND AUTOMATIC VALVES. GROVE REGULATOR COMPANY, Oakland, Calif.
Filed March 25, 1941. Serial No. 441,911. PUBLISHED MAY 20, 1941. Class 13.

389,282. BRANDY. BOHEMIAN DISTRIBUTING COMPANY, Los Angeles, Calif.
Filed March 26, 1941. Serial No. 441,940. PUBLISHED MAY 20, 1941. Class 49.

389,283. CABINETS FOR USE OUT-OF-DOORS TO HOLD PAPER TOWELING AND MECHANICAL SOLUTIONS FOR AUTOMOBILE WINDSHIELD CLEANING. BAY WEST PAPER COMPANY, Green Bay, Wis.
Filed March 27, 1941. Serial No. 441,994. PUBLISHED MAY 20, 1941. Class 2.

389,284. WHISKIES, GIN, BRANDY, RUM, AND ALCOHOLIC CORDIALS. JAMES WALSH & CO. INC., Lawrenceburg, Ind.
Filed March 28, 1941. Serial No. 441,998. PUBLISHED MAY 20, 1941. Class 49.

389,285. BICYCLES. ARNOLD, SCHWINN & CO., Chicago, Ill.
Filed March 28, 1941. Serial No. 442,022. PUBLISHED MAY 20, 1941. Class 19.

389,286. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed March 28, 1941. Serial No. 442,048. PUBLISHED MAY 20, 1941. Class 49.

389,287. SUTURES. SALVUS PRODUCTS INC., Chicago, Ill.
Filed March 29, 1941. Serial No. 442,076. PUBLISHED MAY 20, 1941. Class 44.

389,288. FABRICS IN THE PIECE, MADE OF COTTON, RAYON, SILK, LINEN, WOOL, MOHAIR, OR ANY COMBINATIONS THEREOF. JOHNSON & FAULKNER, INC., New York, N. Y.
Filed April 1, 1941. Serial No. 442,174. PUBLISHED MAY 20, 1941. Class 42.

389,289. ARTIFICIAL FISHING BAIT INCLUDING SPINNER AND WOBBLER TYPES, BUCK AND HAIR TAILS, AND METAL PLUGS. SEIWAM METAL LURES, Columbus, Ind.
Filed April 3, 1941. Serial No. 442,245. PUBLISHED MAY 20, 1941. Class 22.

389,290. LADIES' AND CHILDREN'S HANDBAGS. ETHEL NAGEL, New York, N. Y.
Filed April 4, 1941. Serial No. 442,271. PUBLISHED MAY 20, 1941. Class 3.

389,291. ELECTRIC REFRIGERATING MACHINES AND PARTS THEREOF. EDISON GENERAL ELECTRIC APPLIANCE COMPANY, INC., Chicago, Ill.
Filed April 5, 1941. Serial No. 442,312. PUBLISHED MAY 20, 1941. Class 31.

389,292. CHAIRS AND SOFAS. GAVIN-SIMON, Far Rockaway, N. Y.
Filed April 5, 1941. Serial No. 442,317. PUBLISHED MAY 20, 1941. Class 32.

389,293. CEREAL CORE BINDERS FOR USE IN FOUNDRIES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed April 7, 1941. Serial No. 442,353. PUBLISHED MAY 20, 1941. Class 5.

389,294. TOY EMBROIDERY SETS. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed April 14, 1941. Serial No. 442,549. PUBLISHED MAY 20, 1941. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

389,295. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GLEMIS RALPH WILSON, La Follette, Tenn. Filed Feb. 8, 1938. Serial No. 402,833.

WILSON'S
FRENCH
Calomel
COMPOUND
Tablets

FOR CALOMEL COMPOUND TABLETS.
Claims use since July 1, 1925.

389,296. (CLASS 39. CLOTHING.) BONWIT TELLER, INC., New York, N. Y. Filed Apr. 10, 1939. Serial No. 418,076.

"Trinka Van Dorn"

FOR WOMEN'S AND MISSES' DRESSES, TEA-GOWNS, COATS, SUITS, OUTER SKIRTS, BLOUSES, SWEATERS, BATHING SUITS, HOSIERY, SCARFS, GLOVES MADE OF LEATHER AND FABRIC, NIGHT-GOWNS, NEGLIGEES, SLIPS, PANTIES, AND BRASSIÈRES.
Claims use since March, 1939.

389,297. (CLASS 32. FURNITURE AND UPHOLSTERY.) ARTBILT FURNITURE COMPANY, Milwaukee, Wis. Filed Dec. 11, 1939. Serial No. 426,429.

ROXWELL

FOR LOUNGE ROCKING CHAIRS.
Claims use since Nov. 17, 1939.

389,298. (CLASS 39. CLOTHING.) F. H. WHEELER MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 20, 1940. Serial No. 427,688.

ASBESTOS
FIREMAN

FOR FIREPROOF ASBESTOS CLOTHING—NAMELY, COATS, TROUSERS, OVERSHOES, UNION GARMENTS, UNION GARMENTS WITH OVERSHOES ATTACHED, HELMETS, HOODS AND GLOVES.
Claims use since Dec. 26, 1939.

389,299. (CLASS 39. CLOTHING.) FIELD AND FLINT CO., Brockton, Mass. Filed Apr. 12, 1940. Serial No. 430,684.

"EVERYTHING MANNISH EXCEPT THE SIZES"

FOR SHOES MADE OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Feb. 1, 1940.

389,300. (CLASS 37. PAPER AND STATIONERY.) GROVETON PAPER COMPANY, INC., Groveton, N. H., assignor to Groveton Papers Company, Groveton, N. H., a corporation of Maine. Filed Apr. 18, 1940. Serial No. 430,908.

GROVETON

FOR PAPER, MORE PARTICULARLY WRITING, TYPEWRITING, PRINTING, LITHOGRAPHING, OFFSET AND "MIMEOGRAPH" PAPERS.
Claims use since March, 1931.

389,301. (CLASS 37. PAPER AND STATIONERY.) GROVETON PAPER COMPANY, INC., Groveton, N. H., assignor to Groveton Papers Company, Groveton, N. H., a corporation of Maine. Filed Apr. 18, 1940. Serial No. 430,909.

WHITEFIELD

FOR PAPER, MORE PARTICULARLY WRITING, TYPEWRITING, PRINTING, LITHOGRAPHING AND OFFSET PAPERS.
Claims use since Nov. 15, 1939.

389,302. (CLASS 39. CLOTHING.) STURM & SCHEINBERG INC., New York, N. Y. Filed Apr. 18, 1940. Serial No. 431,136.

ADJUST-U-FORM

FOR GIRDLES AND CORSELETS.
Claims use since Jan. 9, 1940.

389,303. (CLASS 39. CLOTHING.) C. F. HATHAWAY CO., Waterville, Maine. Filed Apr. 29, 1940. Serial No. 431,355.

BI-ANGLE STAY

FOR OUTER SHIRTS.
Claims use since Mar. 1, 1940.

389,304. (CLASS 39. CLOTHING.) BONWIT TELLER, INC., New York, N. Y. Filed Apr. 30, 1940. Serial No. 431,407.

"KELSEY"

FOR WOMEN'S AND MISSES' BLOUSES, SWEATERS, DRESSES, COATS, SUITS, OUTER SKIRTS, HATS, SCARFS, BELTS FOR OUTER WEAR, HANDKERCHIEFS, SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; HOSIERY, GLOVES MADE OF LEATHER AND FABRIC; AND UNDERWEAR, I. E., SLIPS, PETTICOATS, BRASSIÈRES, GIRDLES, CORSETS, BLOOMERS, AND PANTIES.
Claims use since March, 1940.

389,305. (CLASS 37. PAPER AND STATIONERY.) EATON PAPER CORPORATION, Pittsfield, Mass. Filed May 2, 1940. Serial No. 431,483.

SOCIALTYPE

FOR TYPEWRITER PAPER.
Claims use since Apr. 18, 1940.

389,306. (CLASS 39. CLOTHING.) PANTHER-PANCO RUBBER CO., INC., Chelsea, Mass. Filed May 3, 1940. Serial No. 431,534.

GUMTRED

FOR RUBBER SOLES.
Claims use since Apr. 22, 1940.

389,307. (CLASS 32. FURNITURE AND UPHOLSTERY.) YOUNGSVILLE STAR MFG. CO., Youngsville, Pa. Filed June 17, 1940. Serial No. 433,111.

Sherwood

FOR HOUSEHOLD FURNITURE—NAMELY, LIVING ROOM, DINING ROOM, AND BEDROOM FURNITURE.
Claims use since May 28, 1940.

389,308. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BUCKNER PROCESS COMPANY, Worcester, Mass. Filed June 24, 1940. Serial No. 433,337.

RUG-SNUG

FOR WAXED PADS FOR RUGS AND CARPETS.
Claims use since Dec. 1, 1932.

389,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEEMAN BROTHERS, INC., New York, N. Y. Filed July 11, 1940. Serial No. 433,870.

"TENDABIG"

FOR CANNED PEAS.
Claims use since May 27, 1940.

389,310. (CLASS 39. CLOTHING.) SACHS QUALITY FURNITURE, INC., New York, N. Y. Filed July 15, 1940. Serial No. 433,991.

NORTHCOTT

FOR MEN'S AND BOYS' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 1, 1940.

389,311. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MR. NEWPORT, INC., Chicago, Ill. Filed Aug. 20, 1940. Serial No. 435,176.

MR.
NEWPORT

FOR NON-ALCOHOLIC MALTLESS BEVERAGES.
Claims use since Sept. 8, 1938.

389,312. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MID-WEST FOOD PACKERS, INC., Fowlerton, Ind. Filed Aug. 21, 1940. Serial No. 435,216.

Mequiar's

FOR TOMATO CATSUP, CHILI SAUCE.
Claims use since June 1, 1940.

389,313. (CLASS 39. CLOTHING.) A COHEN BRASSIERES, INC., New York, N. Y. Filed Sept. 9, 1940. Serial No. 435,784.

NEV-R-BULGE

FOR FOUNDATION GARMENTS.
Claims use since May 10, 1940.

389,314. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HOMASOTE COMPANY, INC., Fernwood, N. J. Filed Sept. 12, 1940. Serial No. 435,902.

BEAUFORT

FOR FIBROUS MATERIAL FOR USE IN THE MANUFACTURE OF SHOE HEELS, INNER SOLES, PLATFORMS AND THE LIKE.
Claims use since June 10, 1940.

389,315. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE S. E. HYMAN COMPANY, Fremont, Ohio. Filed Sept. 20, 1940. Serial No. 436,178.

Streamline

FOR COVERS FOR AUTOMOBILE CUSHIONS, SEATS, AND SEAT BACKS.
Claims use since May 28, 1940.

389,316. (CLASS 39. CLOTHING.) MURRAY UNDERGARMENT COMPANY, INC., New York, N. Y. Filed Sept. 21, 1940. Serial No. 436,221.

GOLDEN BEAUTY

FOR LADIES' UNDERGARMENTS, SPECIFICALLY SLIPS, GOWNS, PAJAMAS, PANTIES, AND BLOOMERS.
Claims use since May 22, 1940.

389,317. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SECURITY FUR SEAL CO. INC., New York, N. Y. Filed Oct. 3, 1940. Serial No. 436,632.

TAMP-R-PRUF

FOR PROTECTION AND IDENTIFICATION SEALS FOR FURS, SKINS, APPAREL, ANIMALS AND OTHER USES.
Claims use since June 15, 1940.

389,318. (CLASS 5. ADHESIVES.) WALTER J. RUSSELL, doing business as Hold-Fast Cement Company, Seattle, Wash. Filed Nov. 16, 1940. Serial No. 437,972.

HOLFAST

FOR ADHESIVE CEMENT COMPOSITION.
Claims use since Jan. 15, 1939.

389,319. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Dec. 5, 1940. Serial No. 438,529.

Henry W. Alden

FOR MEN'S AND BOYS' SUITS AND OVERCOATS, UNDERWEAR, HOSIERY, SWEATERS, HATS, AND OVERALLS.
Claims use since 1920.

389,320. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OSCAR H. ROHDE, doing business as Nauvoo Milk Products Co., Nauvoo, Ill. Filed Feb. 4, 1941. Serial No. 440,292.

NAUVOO BLUE CHEESE

FOR CHEESE.
Claims use since Aug. 12, 1937.

389,321. (CLASS 39. CLOTHING.) SHILO SHIRT CO. INC., Wallingford, Conn. Filed Feb. 10, 1941. Serial No. 440,522.

Creighton HALL

FOR MEN'S AND BOYS' SPORTWEAR—NAMELY, POLO AND SPORT SHIRTS, SPORT COATS AND SWEATERS; SLACK SUITS, INCLUDING SPORT SHIRTS AND TROUSERS; DRESS, NEGLIGEE, AND WORK SHIRTS; PAJAMAS, UNDERSHIRTS, UNDER AND OUTER SHORTS, NECKTIES, COLLARS, AND LUMBER JACKS.
Claims use since June 16, 1936.

389,322. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE JAMES A. HENDERSON CO., Youngstown, Ohio. Filed Feb. 21, 1941. Serial No. 440,860.

"Factory-Fashion"

FOR USED AUTOMOBILES AND TRUCKS, REPAIRED USED AUTOMOBILES AND TRUCKS, AND RENEWED AUTOMOBILES AND TRUCKS.
Claims use since June 15, 1940.

389,323. (CLASS 39. CLOTHING.) LEWIS & LOCKE, INC., New York, N. Y. Filed Feb. 21, 1941. Serial No. 440,866.

"LE DURABLE"

FOR LADIES' LEATHER GLOVES.
Claims use since 1900.

389,324. (CLASS 27. HOROLOGICAL INSTRUMENTS.) E. M. ROSENTHAL JEWELRY CO., Washington, D. C. Filed Mar. 3, 1941. Serial No. 441,183.

Fairfax

FOR WATCHES.
Claims use since Jan. 15, 1935.

389,325. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HARRY B. WOLPER, Chicago, Ill. Filed Mar. 8, 1941. Serial No. 441,382.

GUARANTEED HEAT RESIST KENT OVENGLAS

FOR GLASS COFFEE MAKER.
Claims use since March, 1939.

389,326. (CLASS 39. CLOTHING.) BRAE-BURN HAT CO. INC., New York, N. Y. Filed March 31, 1941. Serial No. 442,102.

a yearounder

FOR LADIES' HATS.
Claims use since Mar. 15, 1939.

389,327. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL PHARMACY COMPANY, San Francisco, Calif. Filed Mar. 31, 1941. Serial No. 442,136.

BISMUTHAL

FOR PREPARATION FOR RELIEF OF THE DISCOMFORT ASSOCIATED WITH SIMPLE GASTRIC HYPERACIDITY.
Claims use since March, 1909.

389,328. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TOLIBIA CHEESE CORPORATION, New York, N. Y. Filed Apr. 14, 1941. Serial No. 442,579.

MARQUETTE

FOR CHEESE.
Claims use since 1903.

389,329. (CLASS 39. CLOTHING.) THEBEST MILLS CO., New York, N. Y. Filed Apr. 18, 1941. Serial No. 442,736.

allseasons

FOR WOMEN'S, MISSES' AND CHILDREN'S DRESSES, PLAY SUITS, OUTER SKIRTS, AND FOR WOMEN'S, MISSES', MEN'S, BOYS', AND CHILDREN'S SWEATERS, JACKETS, COATS, BATHING SUITS, AND POLO SHIRTS.
Claims use since Jan. 1, 1940.

389,330. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. N. ASHLEY, SR., doing business as Ashley's, El Paso, Tex. Filed Apr. 21, 1941. Serial No. 442,773.

Ashley's

FOR CORN CHIPS AND CANNED TORTILLAS, ENCHILADA SAUCE, MASHED BEANS, SPANISH RICE, CHILI PUREE WITH SPICES, AND GREEN CHILI SAUCE.
Claims use since Feb. 28, 1938.

389,331. (CLASS 37. PAPER AND STATIONERY.) BLAISDELL PENCIL COMPANY, Philadelphia, Pa. Filed Apr. 24, 1941. Serial No. 442,894.

NICK and PULL

FOR PAPER ENCASED LEAD PENCILS.
Claims use since February, 1917.

389,332. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ANDREW HAROLD QUIST, JR., Brooklyn, N. Y. Filed Apr. 25, 1941. Serial No. 442,972.

Individualized control

FOR MODEL ELECTRIC RAILROAD APPARATUS CONTROLS.
Claims use since Feb. 8, 1940.

389,333. (CLASS 39. CLOTHING.) GLASS & CO., New York, N. Y. Filed Apr. 29, 1941. Serial No. 443,079.

The House of Glass

FOR CHILDREN'S, GIRLS', MISSES', AND LADIES' COATS, SUITS, COAT AND SUIT ENSEMBLES, JACKETS, AND SKIRTS.
Claims use since January, 1933.

389,334. (CLASS 39. CLOTHING.) I. GROSSMAN & SON, INC., New York, N. Y. Filed May 3, 1941. Serial No. 443,230.

HARRINGTON
Tweeds

FOR LADIES' AND MISSES' COATS, SUITS, SKIRTS, JACKETS, CAPES, AND COAT AND SUIT ENSEMBLES.
Claims use since Feb. 1, 1940.

389,335. (CLASS 31. FILTERS AND REFRIGERATORS.) GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich. Filed May 26, 1941. Serial No. 443,929.

SUPER FREEZ'R SHELF

FOR REFRIGERATOR CABINETS.
Claims use since Mar. 14, 1940.

389,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WAGNER AND COMPANY, Mont Clare, Pa. Filed May 26, 1941. Serial No. 443,967.

℞ INGLER'S COMPOUND
TRADE MARK

FOR COMPOUND FOR THE RELIEF OF SIMPLE NEURALGIA AND HEADACHE.
Claims use since Apr. 15, 1939.

TRADE-MARK REGISTRATIONS RENEWED

137,127. **OPPY BRAND.** CERTAIN NAMED LININGS IN THE PIECE. Registered November 23, 1920. BRAND & OPPENHEIMER. Renewed November 23, 1940, to Brand & Oppenheimer, Incorporated, New York, N. Y., a corporation of New York, assignee.

137,768. **CHAMPION.** CERTAIN NAMED AGRICULTURAL MACHINERY AND KNIFE AND TOOL GRINDERS. Registered December 7, 1920. B. F. AVERY & SONS. Renewed December 7, 1940, to B. F. Avery & Sons Co., Louisville, Ky., a corporation of Delaware, assignee.

137,938. **B. F. AVERY & SONS.** CERTAIN NAMED AGRICULTURAL MACHINES AND SEPARATE PARTS FOR EACH OF SAID MACHINES. Registered December 14, 1920. B. F. AVERY & SONS. Renewed December 14, 1940, to B. F. Avery & Sons Co., Louisville, Ky., a corporation of Delaware, assignee.

140,146. **IDICO.** DISINFECTANTS AND DEODORANTS. Registered March 8, 1921. IDEAL DISINFECTANT CORPORATION, New York, N. Y. Renewed March 8, 1941, to Permatile Corporation, Brooklyn, N. Y., a corporation of New York, successor.

141,120. **CATALPO.** PURIFIED COLLOIDAL CLAY. Registered April 12, 1921. WILLIAM FELDENHEIMER, London, England. Renewed April 12, 1941.

141,852. **AVERY.** CERTAIN AGRICULTURAL IMPLEMENTS. Registered May 3, 1921. B. F. AVERY & SONS. Renewed May 3, 1941, to B. F. Avery & Sons Co., Louisville, Ky., a corporation of Delaware, assignee.

142,266. **REPRESENTATION OF A STAG.** YARN AND THREADS. Registered May 10, 1921. FINLAYSON, BOUSFIELD & CO., LTD., Johnstone, Scotland, a corporation of Great Britain. Renewed May 10, 1941.

142,980. **REPRESENTATION OF A COW'S HEAD.** MEDICINE FOR BLIND FOUL AND FOOT-HALT IN CATTLE. Registered May 24, 1921. CLARK E. DE FOREST. Renewed May 24, 1941, to Dora B. De Forest and Lillian Dibble, Unadilla, N. Y., a copartnership, successor.

143,300. **CASPER.** GRIPPERS FOR USE ON PRINTING-PRESSES. Registered May 31, 1921. CASPER GRIPPER CO. Renewed May 31, 1941, to The Casper Gripper Company, Cleveland, Ohio, a corporation of Ohio, successor.

143,338. **VELANGORA.** WOOLEN PIECE GOODS. Registered May 31, 1921. FORSTMANN & HUFFMANN CO. Renewed May 31, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

143,538. **ASEPTICO.** ANTISEPTIC SOLUTION TO BE APPLIED TO THE MUCOUS MEMBRANE. Registered June 7, 1921. ASEPTICO LABORATORIES, INC., Rochester, N. Y., a corporation of New York. Renewed June 7, 1941.

143,585. **APPLE JACK.** CHOCOLATE-BAR CANDY. Registered June 7, 1921. DILLING & COMPANY, Indianapolis, Ind. Renewed June 7, 1941, to Hollywood Brands, Inc., Centralia, Ill., a corporation of Minnesota, assignee by mesne assignments.

143,623. **GOODRICH.** WATERPROOF COATS AND JACKETS AND WATERPROOF BOOTS, SHOES, AND SHOEPACS MADE PARTLY OF RUBBER. Registered June 7, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed June 7, 1941.

143,658. **EGGSACT.** EGG SUBSTITUTE FOR BAKING AND COOKING. Registered June 7, 1921. HARRY V. KNIGHT, Chester, S. C. Renewed June 7, 1941.

143,720. **PROSPERITY.** KNITTED COTTON PADDING. Registered June 7, 1921. PHILIP N. BRAUN, as assignee of The Prosperity Company, Inc. Renewed June 7, 1941, to Philip N. Braun, Syracuse, N. Y., assignee.

143,762. **PERMEDGE.** RAZORS AND POCKET-KNIVES. Registered June 7, 1921. UNITED DRUG COMPANY. Renewed June 7, 1941, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

143,938. **DRACCO.** DUST-COLLECTING MACHINERY AND APPARATUS AND SYSTEMS AND PNEUMATIC CONVEYING MACHINERY, APPARATUS, AND SYSTEMS. Registered June 21, 1921. THE DUST RECOVERING & CONVEYING COMPANY. Renewed June 21, 1941, to Dracco Corporation, Cleveland, Ohio, a corporation of Ohio, assignee.

144,021. **TRIM-BILT.** LADIES' COATS, SUITS, AND SKIRTS. Registered June 21, 1921. H. & I. OTTENSTEIN, New York, N. Y. Renewed June 21, 1941, to Ottenstein Coats, Inc., Lancaster, Pa., a corporation of Pennsylvania, assignee.

144,155. **COLORITE.** DYES AND DYEING COMPOSITIONS. Registered June 21, 1921. CARPENTER-MORTON COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed June 21, 1941.

144,366. **BELUSTRA.** WOVEN, KNITTED, NETTED, TEXTILE, AND PILE FABRICS IN THE PIECE. Registered July 5, 1921. CHENEY BROTHERS, South Manchester, Conn. Renewed July 5, 1941, to Cheney Brothers, Manchester, Conn., a corporation of Connecticut.

144,467. **SATELLITE.** SATEEN IN THE PIECE. Registered July 5, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed July 5, 1941.

144,629. **RAYMAL.** CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, AND FRUIT JAMS. Registered July 12, 1921. RAY-MALING CO., INC., Hillsboro, Oreg., a corporation of Oregon. Renewed July 12, 1941.

144,751. **OAK BROOK.** HOSIERY OF COTTON AND SILK FOR MEN AND LADIES. Registered July 19, 1921. ISAAC C. EBERLY. Renewed July 19, 1941, to Oakbrook Hosiery Mills, Inc., Reading, Pa., a corporation of Pennsylvania, assignee.

144,857. **HOLLOWSPUN.** CONCRETE POLES. Registered July 19, 1921. MASSEY CONCRETE PRODUCTS CORPORATION, Chicago, Ill. Renewed July 19, 1941, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania, assignee by mesne assignments.

144,923. **ROSEDOWN.** DIAPER-FLANNEL IN THE PIECE. Registered July 19, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed July 19, 1941.

144,925. **FLOTILLA.** COTTON SERGE IN THE PIECE. Registered July 19, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed July 19, 1941.

144,926. **ENGINEER.** CHAMBRAY IN THE PIECE. Registered July 19, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed July 19, 1941.

144,927. **GOLIATH.** GINGHAMS IN THE PIECE. Registered July 19, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed July 19, 1941.

145,086. **NEW-ARC.** METAL-WELDING ELECTRODES. Registered July 26, 1921. ELECTRIC ARC CUTTING AND WELDING COMPANY. Renewed July 26, 1941, to Electric Arc, Inc., Newark, N. J., a corporation of New Jersey, by change of name.

145,211. **WYNNE'S WINNER.** LARD SUBSTITUTE COMPOSED OF COTTON-SEED OIL AND OTHER INGREDIENTS. Registered July 26, 1921. OLIVER WYNNE, Norfolk, Va. Renewed July 26, 1941, to Lookout Oil & Refining Company, Chicago, Ill., a corporation of Delaware, assignee.

145,217. **SERVISTAN.** WOOL RUGS. Registered July 26, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed July 26, 1941.

145,218. **VALKYR.** CANTON-FLANNEL. Registered July 26, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed July 26, 1941.

145,219. **BELLEFAIR.** BATISTE IN THE PIECE. Registered July 26, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed July 26, 1941.

145,220. **TRIED AND TRUE.** TICKING IN THE PIECE. Registered July 26, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed July 26, 1941.

145,310. **BEST NAVY.** SMOKING AND CHEWING TOBACCO. Registered August 2, 1921. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed August 2, 1941.

145,713. **BLACK DIAMOND.** PATENT-LEATHER. Registered August 16, 1921. A. C. LAWRENCE LEATHER COMPANY, Boston, Mass., Renewed August 16, 1941, to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine.

145,987. **ZERO.** CREAMS, ICE-CREAMS, AND FROZEN DESSERTS. Registered August 23, 1921. NUCOA BUTTER COMPANY. Renewed August 23, 1941, to The Best Foods, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

146,099. **BIG BOY.** STICK-CANDY. Registered August 30, 1921. GARRISON-COOK CANDY CO. Renewed August 30, 1941, to Charles O. McAfee, Macon, Ga., assignee by mesne assignments.

146,116. **PHYLLOSAN.** A PREPARATION OF CHLOROPHYL IN TABLET FORM. Registered August 30, 1921. MERCK & Co. Renewed August 30, 1941, to Phyllosan Laboratories, Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

146,169. **BABCOCK'S BUTTERFLY.** TALCUM POWDER, FACE-POWDER, TOILET EXTRACT, TOILET WATER, ROUGE, SACHET, BATH-SALTS, TOOTH-POWDER, AND PERSPIRATION-POWDER. Registered September 6, 1921. A. P. BABCOCK COMPANY, New York, N. Y. Renewed September 6, 1941, to A. P. Babcock Company, East Rutherford, N. J., a corporation of New York.

147,137. **CREOPINE.** A MEDICINE. Registered October 4, 1921. THE NEEDHAM PRODUCTS COMPANY. Renewed October 4, 1941, to W. M. Needham, Cleveland, Ohio, assignee.

147,287. **CONTINENTAL.** COTTON-GINS AND ACCESSORIES THEREFOR AND COTTON-PRESSES. Registered October 11, 1921. CONTINENTAL GIN COMPANY, Birmingham, Ala., a corporation of Delaware. Renewed October 11, 1941.

147,308. **E Z.** UNDERWAISTS, UNION-SUITS, AND SLEEPING-GARMENTS. Registered October 11, 1921. THE E-Z WAIST COMPANY. Renewed October 11, 1941, to E-Z Mills, Inc., New York, N. Y., a corporation of New York, by change of name.

147,760. **TYKOR.** CORE-BINDING COMPOUND. Registered November 1, 1921. THE CASEIN MANUFACTURING COMPANY. Renewed November 1, 1941, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee.

147,904. **AMERICAN LUMBERMAN.** WEEKLY PERIODICALS AND PUBLICATIONS. Registered November 8, 1921. THE AMERICAN LUMBERMAN, Chicago, Ill., a corporation of Illinois. Renewed November 8, 1941.

147,924. **SILKENAMEL.** MAGNET-WIRES. Registered November 8, 1921. BELDEN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 8, 1941.

147,927. **COTENAMEL.** MAGNET-WIRES. Registered November 8, 1921. BELDEN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 8, 1941.

147,934. **SPIRIT OF '76.** LADIES', CHILDREN'S, AND MEN'S HOSIERY. Registered November 8, 1921. JOSEPH C. BOSSONG, Brooklyn, N. Y., Renewed November 8, 1941, to Joseph C. Bossong, New York, N. Y.

148,019. **OILGEAR.** HYDRAULIC TRANSMISSIONS. Registered November 8, 1921. WALTER FERRIS. Renewed November 8, 1941, to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

148,020. **OILGEAR.** HYDRAULIC TRANSMISSIONS. Registered November 8, 1921. WALTER FERRIS. Renewed November 8, 1941, to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin, assignee.

148,320. **H. K. WOOD'S MO-LYB-DEN-UM.** SHOVELS, SPADES, SCOOPS, AND DRAINAGE-TOOLS. Registered November 8, 1921. THE WOOD SHOVEL AND TOOL COMPANY, Piqua, Ohio, a corporation of Ohio. Renewed November 8, 1941.

148,401. **E-Z SLEEP EASY.** UNDERWEAR—NAMELY, SLEEPING-GARMENTS. Registered November 15, 1921. THE E-Z WAIST COMPANY. Renewed November 15, 1941, to E-Z Mills, Inc., New York, N. Y., a corporation of New York, by change of name.

148,469. **BEE BRAND.** INSECT-POWDERS. Registered November 15, 1921. MCCORMICK & Co., INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed November 15, 1941.

148,474. **M. D.'S FIRESIDE BRAND.** NON-ALCOHOLIC MALT EXTRACTS. Registered November 15, 1921. MALT-DIASTASE COMPANY, New York, N. Y. Renewed November 15, 1941, to Malt-Diastase Company, Brooklyn, N. Y., a corporation of New York.

148,732. **BUFFALO.** AMMONIA. Registered November 22, 1921. DAVID ROBINSON. Renewed November 22, 1941, to Robinson Brothers Buffalo Ammonia, Inc., Brooklyn, N. Y., a corporation of New York, successor.

148,789. **REPRESENTATION OF TWO CIRCLES AND TRIANGULAR FIGURE.** CERTAIN OPTICAL PRODUCTS, ENGINEERING AND OTHER INSTRUMENTS OF PRECISION, PHOTOGRAPHIC, SCIENTIFIC, AND LABORATORY APPARATUS. Registered November 29, 1921. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y., a corporation of New York. Renewed November 29, 1941.

148,830. **HIKER.** RUBBER AND COMPOSITION SOLES AND HEELS. Registered November 29, 1921. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Renewed November 29, 1941.

148,934. **SNAP.** SOAP. Registered November 29, 1921. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 29, 1941.

149,047. **DR. PETER'S KURIKO.** A CERTAIN NAMED MEDICINAL TONIC. Registered December 6, 1921. THE DR. PETER FAHRNEY & SONS CO., Chicago, Ill., a corporation of Illinois. Renewed December 6, 1941.

149,160. **MEDLICOTT.** WOOL UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. Registered December 6, 1921. THE MEDLICOTT CO., Windsor Locks, Conn., a corporation of Connecticut. Renewed December 6, 1941.

149,229. **DUXBAK.** CERTAIN NAMED LEATHER PACKINGS. Registered December 6, 1921. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed December 6, 1941.

149,214. **REPRESENTATION OF HEAD OF A WOMAN.** HAIR-NETS. Registered December 6, 1921. THE RIESER COMPANY. Renewed December 6, 1941, to The Rieser Company, Inc., New York, N. Y., a corporation of New York, assignee.

149,240. **H. SOLOMON.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered December 6, 1921. H. SOLOMON, Holliday, Mo. Renewed December 6, 1941.

149,264. **LIBERAL ARTS.** CANDY. Registered December 6, 1921. TRU-BLU BISCUIT COMPANY. Renewed December 6, 1941, to Loose-Wiles Biscuit Company, Spokane, Wash., a corporation of California, assignee.

149,265. **FOURMOST.** CANDY. Registered December 6, 1921. TRU-BLU BISCUIT COMPANY. Renewed December 6, 1941, to Loose-Wiles Biscuit Company, Spokane, Wash., a corporation of California, assignee.

149,266. **STELLAR.** CANDY. Registered December 6, 1921. TRU-BLU BISCUIT COMPANY. Renewed December 6, 1941, to Loose-Wiles Biscuit Company, Spokane, Wash., a corporation of California, assignee.

149,290. **WONDERBOX.** CANDY. Registered December 6, 1921. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed December 6, 1941.

REISSUES

JULY 29, 1941

21,865
GEOCHEMICAL PROSPECTING

George S. Bays, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

No Drawing. Original No. 2,165,440, dated July 11, 1939, Serial No. 220,711, July 22, 1938. Application for reissue August 31, 1939, Serial No. 292,895

7 Claims. (Cl. 23—232)

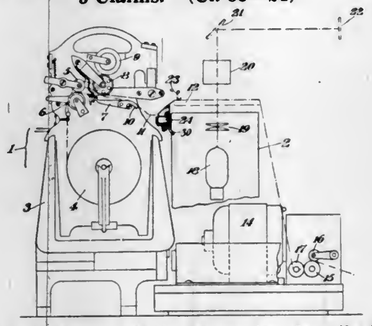
1. A method of soil gas surveying comprising determining hydrocarbon contents of soil gas samples from various soils, and determining the relative sorptive abilities of said soils to provide a basis for more accurate correlation of data obtained by the determination of the hydrocarbon contents of said various soils.

21,866
METHOD OF AND APPARATUS FOR FEEDING TAPE AND PROJECTING IMAGES THEREFROM

Kenneth L. Curtis, deceased, late of New York, N. Y., by Trans-Lux Corporation, assignee, New York, N. Y.

Original No. 2,028,146, dated January 21, 1936, Serial No. 439,570, March 28, 1930. Renewed June 20, 1934. Application for reissue February 24, 1941, Serial No. 380,334

5 Claims. (Cl. 88—24)



2. In a device of the character described, the combination of a suction head having a mouth over which the tape passes, said mouth communicating with a valve chamber, a valve in said valve chamber and operated by suction in said chamber, means for creating suction in said chamber, and a plurality of electrical contacts with means whereby respective contacts may be progressively closed by the operation of said valve.

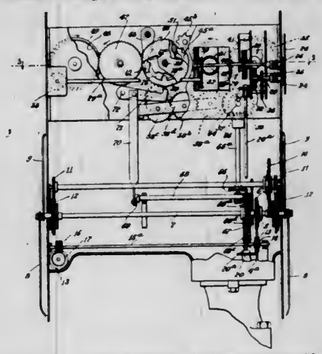
21,867
COMPUTING APPARATUS

Charles S. Hazard, Andover, N. J., assignor to Neptune Meter Company, New York, N. Y., a corporation of New Jersey

Original No. 2,095,329, dated October 12, 1937, Serial No. 51,729, November 27, 1935, which is a division of Serial No. 23,148, May 24, 1935, now Patent No. 2,069,184, dated January 26, 1937. Application for reissue October 11, 1939, Serial No. 298,975

6 Claims. (Cl. 235—144)

3. In computing apparatus, a pair of spaced, substantially parallel shafts, counting means including corresponding wheels of lower and higher order operatively supported by said parallel shafts, a shaft interposed between said parallel shafts, mechanism operatively supported by said interposed shaft for effecting transfer and resetting movements of said wheels during counting and resetting operations respectively, said mechanism comprising transfer means including



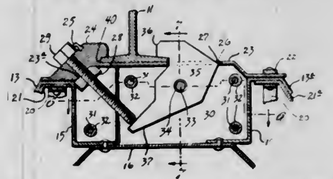
a releasable connection interconnecting lower and higher order wheels on each of said parallel shafts for transmitting movement from the lower order wheel to the next higher order wheel as required during a counting operation, said releasable connection permitting independent movement of said wheels during resetting operation, and resetting means for returning said wheels to zero position.

21,868
RAILROAD TIE

Uriah O. Long, Alhambra, Calif.

Original No. 2,220,533, dated November 5, 1940, Serial No. 261,325, March 11, 1939. Application for reissue January 28, 1941, Serial No. 376,402

2 Claims. (Cl. 238—356)

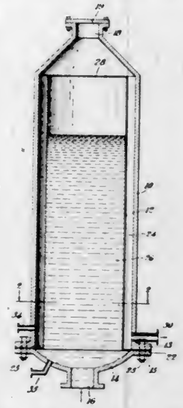


1. In a device for clamping a railroad rail to a tie, including a housing formed in the upper surface of the tie and a swingable clamp supported in said housing for swingably engaging and releasing a rail; a plate covering said housing and having base portions flatly engaging said tie, a parallel upwardly offset portion between said base portions, and inclined portions connecting said base and offset portions, said offset portion providing a rail supporting zone adjacent one of said inclined portions, a boss formed on said last named inclined portion adjacent said rail supporting zone, a slot formed through said offset portion adjacent the other inclined portion, said clamp comprising a bell crank swingably mounted in said housing and having one arm providing rail clamping means extensible through

said slot, the other arm of said crank being downwardly inclined below said rail supporting zone, a screw bolt threaded through said boss and its inclined portion of said plate, said bolt extending diagonally downward into said housing below said rail supporting zone with its inner end converging with and bearing on said second arm of said crank to comprise actuating means for said crank.

21,869
METHOD AND APPARATUS FOR FORMING COKE
Valentine Mekler, Jackson Heights, and August Henry Schutte, Tuckahoe, N. Y., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Original No. 2,226,501, dated December 24, 1940, Serial No. 274,092, May 17, 1939. Application for reissue March 14, 1941, Serial No. 383,446
9 Claims. (Cl. 202—36)

1. A coking apparatus of the class described comprising a pressure vessel, one end of which has an opening of the maximum cross sectional area of the vessel, a cover for said opening, a liner of smaller cross sectional area than that of said vessel provided with projecting flange means for sealing with respect to said vessel and the cover therefor, a hydrocarbon inlet in said cover in communication with the interior of said liner, and a hydrocarbon outlet in said vessel in communication with the opposite end of said liner,

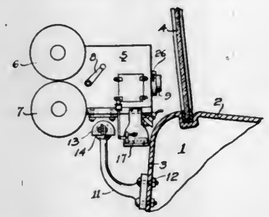


said liner being spaced from said vessel, said liner being removable from said vessel, and being of relatively thin metal.

PATENTS

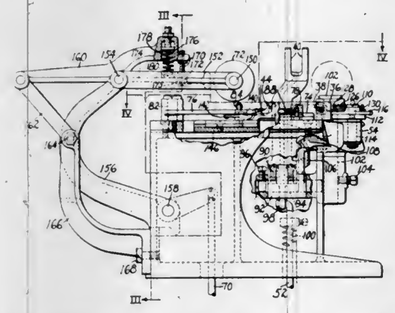
GRANTED JULY 29, 1941

2,250,442
SPEED RECORDING METHOD AND DEVICE
Frank Abell, Inglewood, Calif.
Application August 16, 1937, Serial No. 159,367
4 Claims. (Cl. 33—46)



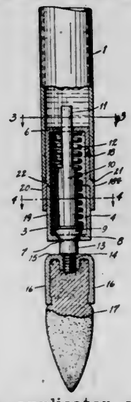
1. The method of determining the speed of travel of an object which consists in making a plurality of sequential photographic exposures of said object with a camera traveling in the same direction as said object and at substantially the same linear speed as said object, photographically recording on an unobstructed section of each of said exposures the image of a speedometer to indicate the linear speed of said camera, and utilizing the recorded linear speed of the camera and the recorded size of the photographed object for determining the speed of said object.

2,250,443
METHOD OF AND MACHINE FOR USE IN COVERING HEELS
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 4, 1940, Serial No. 333,353
24 Claims. (Cl. 12—49.1)



1. A machine for use in covering heels having, in combination, a pair of flexible blades each having a cutting edge, means for forcing the blades with yielding pressure against the forward portions respectivley of the sides of a heel with their cutting edges extending along the breast edges of the heel, and means for forcing against the cutting edges of the blades a cover which overlies the breast of the heel and has laterally projecting margins thereby trimming said projecting margins flush with the breast edges of the heel.

2,250,444
FOUNTAIN APPLICATOR
James W. Brigham, Webster Groves, Mo., assignor to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo., a corporation of Missouri
Application January 19, 1940, Serial No. 314,621
4 Claims. (Cl. 91—67.2)



1. A fountain applicator comprising a tubular reservoir handle, a housing pressfitted in the lower end of said handle and having a flat-sided inlet opening in its upper end and a discharge opening in its lower end, a spring-loaded valve located in said housing and normally closing the discharge opening therein, and a nib located exteriorly of said housing and operatively connected to said valve to open the same by pressure on said nib, said valve having an upwardly extending stem with a flat-sided portion that has a loose sliding but substantially non-rotary fit in said flat-sided inlet opening.

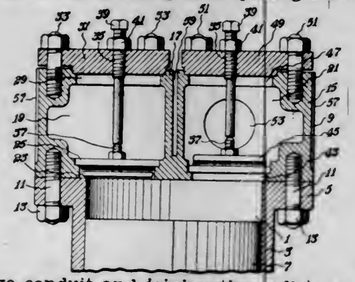
2,250,445
PROCESS FOR PRODUCING ACETYLENIC ALCOHOLS
Herman A. Bruson and John W. Kroeger, Philadelphia, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application October 1, 1938, Serial No. 232,852
5 Claims. (Cl. 260—617)

1. The process of preparing acetylenic alcohols which comprises gradually comminuting relatively coarse calcium carbide in the presence of an inert liquid medium, an alkali metal hydroxide, and a ketone, hydrolyzing the reaction mixture, and separating the alcohols.

2,250,446
CYLINDER HEAD
Ellsworth C. Cowles, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application June 20, 1939, Serial No. 280,052
1 Claim. (Cl. 230—211)

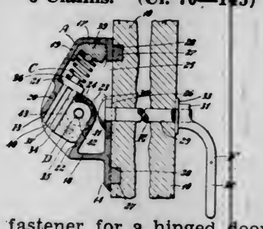
In a unitary air cooled cylinder head, a transverse wall, an inlet manifold having an opening for connection to an inlet conduit at a side of the head substantially perpendicular to the wall

and a curved portion of the head facing said opening for the inlet conduit and joining the wall to a side of the head substantially parallel to the wall, a discharge manifold having an opening for a connection to a discharge conduit at a second side of the head substantially perpendicular to the wall and a second curved portion of the head facing said opening for the dis-



charge conduit and joining the wall to a second side of the head substantially parallel to the wall, cooling fins arranged around the part of the head surrounding the discharge manifold including the curved portion facing the opening for the discharge conduit, and an aperture in the wall opening from the top of the head to separate the inlet manifold from the discharge manifold and prevent heat transference therebetween.

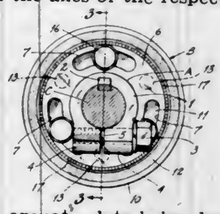
2,250,447
DOOR FASTENER
William M. Dwyer, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 31, 1940, Serial No. 338,140
6 Claims. (Cl. 70—145)



1. In a fastener for a hinged door of a container, the combination with a keeper engaging crank member; of a slotted keeper mounted on the container adjacent the door, said crank member being engageable within the slot of the keeper to force the door partly open or tightly closed, the slot of said keeper being defined by a rigid rear wall and an inwardly slidable front wall spaced from said rear wall; and spring means yieldingly opposing inward sliding movement of said front wall to permit yielding of said wall when engaged by said crank member upon said door being slammed shut.

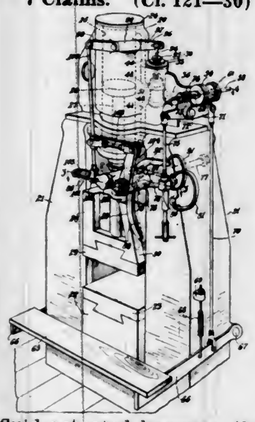
2,250,448
SHAFT COUPLING
Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application December 24, 1937, Serial No. 181,687
1 Claim. (Cl. 287—129)

A shaft coupling comprising driving and driven members having axial shaft receiving openings, one of said members having a series of circumferentially spaced holes therein parallel with the axis thereof and the other of said members having a series of circumferentially spaced arcuate slots therein concentric with the axis thereof, said holes and said slots being substantially equidistant from the axes of the respective members,



each of said arcuate slots being long enough to register with any two adjacent holes, whereby each of said slots alines with at least one of said holes in every possible relative angular position of said members, and removable fasteners extending through the respective slots into the holes in register therewith.

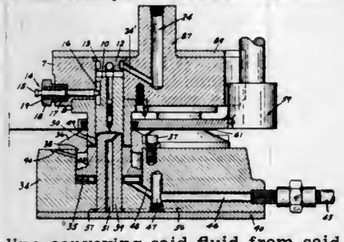
2,250,449
FLUID ACTUATED HAMMER
Ernest G. Eppens, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application February 24, 1941, Serial No. 380,278
7 Claims. (Cl. 121—30)



1. In a fluid actuated hammer, the combination of a casing having a piston chamber and a reciprocatory piston therein, a valve to effect the distribution of pressure fluid to the piston chamber for actuating the piston, a rocker, a cam carried by the piston for actuating the rocker, adjustable linkage for transmitting movement from the rocker to the valve, manually operable means for actuating the rocker relatively to the cam, and means acting in response to movement of the manually operable means for effecting adjustment of the linkage and thereby vary the range of movement of the valve.

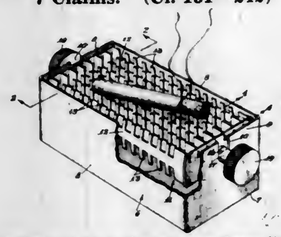
2,250,450
DIE
Elwood C. Faber, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application July 13, 1938, Serial No. 218,944
6 Claims. (Cl. 113—42)

1. A sheet forming device comprising a pair of cooperating die and punch members, a source of supply of fluid under pressure, a line for conveying said fluid from said source to said die member to uniformly load the same, a fluid pressure directing jet, a storage tank for fluid under pressure, a line for conveying fluid under pressure intermittently from said storage tank to said



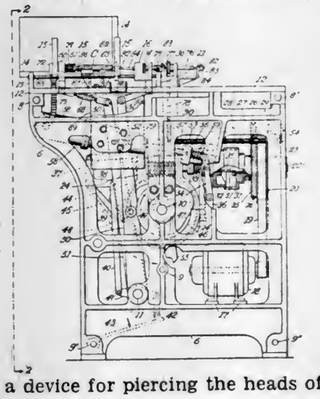
jet, a line conveying said fluid from said source to said storage tank and a reducing orifice in said last mentioned line, whereby said intermittent supply of fluid to the directing jet does not deleteriously affect the supply of fluid under pressure to said die member.

2,250,451
CIGARETTE AND CIGAR RECEIVER
Karmen D. Albert, Woodside, N. Y.
Application May 17, 1939, Serial No. 274,078
7 Claims. (Cl. 131—242)



1. A device of the character described, including a receptacle, a rotatable grating mounted in the receptacle, and comprising a pair of end plates and intermediate bars connecting the plates, each of said bars having oppositely disposed prongs extending therefrom adapted to receive a cigarette or cigar.

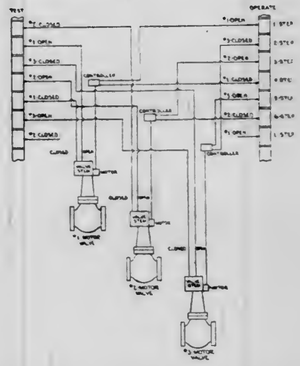
2,250,452
CIGAR PIERCING MACHINE
Thure W. Alm, Stewart Manor, Long Island, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application June 10, 1936, Serial No. 84,408
21 Claims. (Cl. 131—255)



2. In a device for piercing the heads of cigars,

means for supporting a plurality of cigars, a plurality of rotary piercing members, a plurality of movably mounted positioning plungers, means for moving said plungers to position said cigars adjacent said members, means for moving said members relative to said cigars to pierce the heads thereof, and mechanism for removing dust and scrap tobacco from said cigars following the piercing operation.

2,250,453
SUCCESSIVE SWITCHING ARRANGEMENT
Henry J. Appel, Philadelphia, Pa., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application July 12, 1938, Serial No. 218,794
3 Claims. (Cl. 177—311)

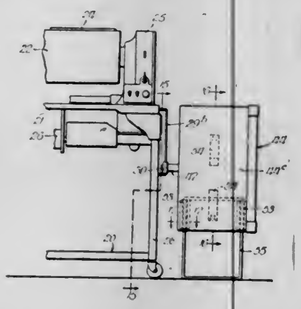


1. A system of control for a group of valves used in a cycle of operation and wherein during the cycle the valves are operated at predetermined timed intervals and the valves tested after each operation is completed which comprises a motor for operating each valve, an operating circuit for each valve motor, a controller switch for energizing the motor operating circuits, means for maintaining said motor operating circuits energized for predetermined time periods, an independent electrical test circuit for each valve, said controller switch being timed to energize a valve motor operating circuit and a valve test circuit simultaneously and to maintain at least one valve motor operating circuit in energized condition while the condition of operation of a valve by a previously energized operating circuit is tested, a control circuit for deenergizing an energized valve motor operating circuit, switch means controlled by each valve operation and being operable when a tested valve shows improper operation to cause said control circuit to stop the operation of a valve motor.

2,250,454
TABLE TOP IRONING MACHINE
Henry H. Babcock, Oak Park, Ill., assignor to Conlon Corporation, Cicero, Ill., a corporation of Illinois
Application January 7, 1937, Serial No. 119,430
2 Claims. (Cl. 45—68)

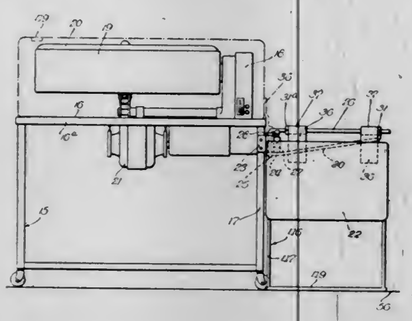
1. In a structure of the character described, a stand and a cover therefor, substantially vertical guide rods connected to an end of said stand and spaced apart transversely thereof, a member

connected to and slidable along said rods, a second member mounted on said first member for pivotal movement about the latter, and means pivotally connecting said cover to said second



member for movement therewith and for movement relative thereto about an axis perpendicular to the pivot axis of said second member.

2,250,455
TABLE TOP IRONER
Henry H. Babcock, Oak Park, Ill., assignor to Conlon Corporation, Cicero, Ill., a corporation of Illinois
Application January 13, 1941, Serial No. 374,142
10 Claims. (Cl. 45—68)



1. In combination, a support comprising a top member and adapted to support an ironing machine, a box-like cover open at one side positioned when closed over said top member with its open side lowermost for covering said top member, a substantially horizontal rod pivoted at one end of said support on a vertical axis for movement between a position substantially parallel to said end and a position substantially perpendicular to said end, and means hingedly connecting said cover to said rod for movement relative thereto about a horizontal axis from its closed position to an open inverted substantially horizontal position extending from said one end of said support with its open side uppermost and for movement with said rod about said vertical pivot to a position extending forwardly of said support, providing a forwardly extending open top box-like receptacle for retaining and supporting articles placed therein.

2,250,456
PORCELAIN ENAMEL
Monroe J. Bahnsen, Lakewood, and Eugene E. Bryant, Bedford, Ohio, assignors to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 28, 1939, Serial No. 311,362
2 Claims. (Cl. 106—36.2)

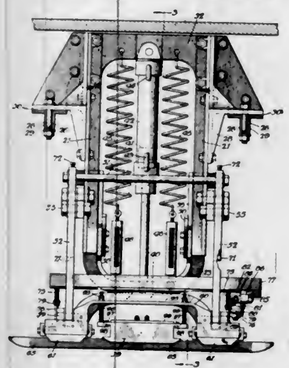
1. A porcelain enamel frit of the character produced by smelting a raw batch mixture of the following composition:

	Percent
Silica sand	2.85
Dehydrated borax	18.15
Feldspar	24.90
Zircon sand	19.30
Sodium nitrate	1.15
Fluorspar	4.55
Sodium fluo silicate	16.25
Bone ash	5.30
Aluminum hydrate	4.90
Zinc oxide	2.65

2,250,457
PORCELAIN ENAMEL
Monroe J. Bahnsen, Lakewood, and Eugene E. Bryant, Bedford, Ohio, assignors to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 16, 1940, Serial No. 361,448
15 Claims. (Cl. 106—48)

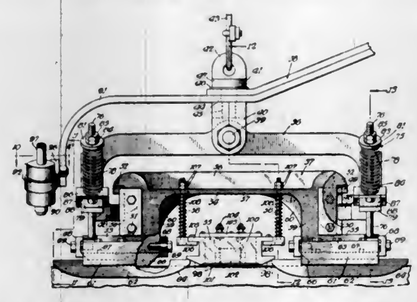
1. The method of making a porcelain enamel article having an opaque coating which comprises smelting an antimony-free raw batch mixture of fusible enamel ingredients to form a relatively fluid melt containing phosphorus in an amount equal to about 2% to 3% of P_2O_5, zirconium oxide in an amount equal to about 11% to 14%, milling a slip containing said frit, coating the ware with said slip and burning the same to form said opaque surface.

2,250,458
FLAW DETECTOR MOUNTING
Walter C. Barnes, Lake Bluff, Ill.
Application July 15, 1937, Serial No. 153,803
16 Claims. (Cl. 175—183)



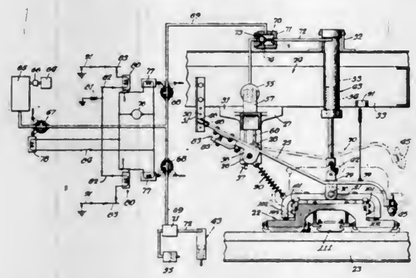
1. In a device of the class described a rigid support structure adapted to be secured to the under side of the car, an elevating unit slidably carried by the support structure, means for vertically reciprocating the elevating unit, a swing frame also slidably carried by the support structure and adapted to be engaged and lifted by the elevating frame, track engaging means carried by the swing frame and adapted to rest on a rail substantially inside of the normally expected position as the swing frame is lowered by downward movement of the elevating frame, and means operated by the elevating frame after further downward movement to press the swing frame laterally, and additional rail-engaging means adapted to strike the edge of the rail and limit the lateral movement to properly position the first named rail engaging means with respect to the rail.

2,250,459
FLAW DETECTING APPARATUS
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Highland Park, Ill.
Application November 27, 1937, Serial No. 176,850
28 Claims. (Cl. 175—183)



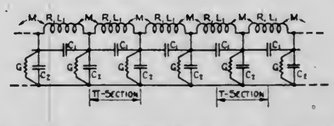
1. In apparatus for detecting flaws in rail, a car, an arm extending rearwardly from the car and having its trailing end capable of relatively free lateral movement, a detector carriage mounted on said end by means permitting the carriage to rock on a horizontal axis transverse to the rail, and means for exerting a lateral force on said trailing end of the arm.

2,250,460
DETECTOR CARRIAGE
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Highland Park, Ill.
Application June 6, 1938, Serial No. 212,122
19 Claims. (Cl. 175—183)



1. In combination with a rail car, a detector carriage adapted to be supported on the car and moved along the rail surface, said carriage comprising an upper carriage suspended from the car, a lower carriage adapted to ride on the rail, and means including roller bearings for transmitting a downward force from the upper carriage to the lower carriage.

2,251,461
ELECTRICAL NETWORK
Laurence Batchelder, Cambridge, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application May 28, 1938, Serial No. 210,795
9 Claims. (Cl. 178—44)

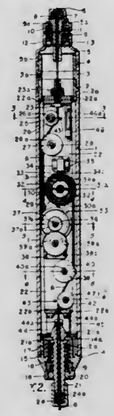


6. An electric retardation line comprising a ladder type network having inductive series elements each having an inductance of L_1 and a mutual inductance between adjacent elements of M, shunt capacitive elements each having a capacity of C_2, and additional capacitive elements each having a capacity of C_1 shunted across said inductive series elements, the value of M being $0.135L_1 \pm x$ and the value of C_1 being $(0.022 \pm y)C_2$, where the deviations x and y are zero for a no-loss line and are just sufficient to compensate for losses when such are present in order to make the retardation time per section T substantially a constant for all frequencies from a very low value to the frequency defined by

$$\frac{3}{2\pi T}$$

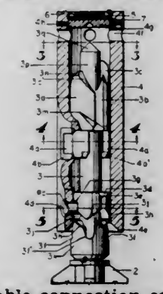
cycles per second.

2,250,462
MEASURING DEVICE FOR STEEL LINES
Alexander Boynton, San Antonio, Tex.
Application October 28, 1938, Serial No. 237,527
8 Claims. (Cl. 33—141)



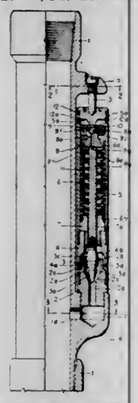
1. In a measuring assembly adapted to measure an elongated member, such as cables, rods and the like by movement longitudinally thereof the combination of an elongated shell adapted to contain a lubricant, said shell having openings in the ends thereof through which said member may pass, spaced means within the casing for guiding the member adjacent said openings, and means intermediate said last mentioned means for frictionally engaging the member and driven thereby for measuring the distance of travel of the assembly upon the member.

2,250,463
CABLE PULL OVERSHOT
Alexander Boynton, San Antonio, Tex.
Application November 28, 1938, Serial No. 242,779
13 Claims. (Cl. 287—103)



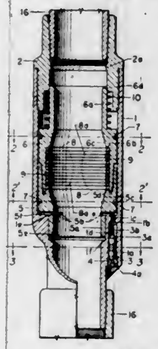
1. A releasable connection comprising a member having a head, and an actuator segment in spaced relation thereon, a cable, a shell attached to said cable and adapted to pass over the head and actuator segment, an inwardly projecting pin in said shell to engage the lower surface of said head to form an assembly which may be moved by a pull applied to the cable, and means carried by said shell to coact with said actuator segment to release the shell by a predetermined series of pulls upon the cable.

2,250,464
DIFFERENTIAL STAGE LIFT FLOW DEVICE
Alexander Boynton, San Antonio, Tex.
Application December 8, 1939, Serial No. 308,320
6 Claims. (Cl. 137—111)



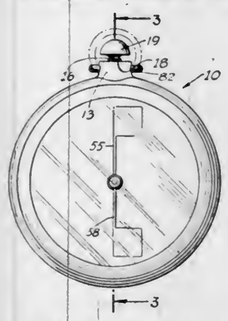
1. In a flowing device for wells, a valve body, a housing closed except for openings at its upper and lower ends and a passage from said housing into said body, a bellows diaphragm in said housing having its lower end sealably engaging the housing, the outer surface thereof being contacted through said upper openings with fluid pressure applied exteriorly of the body and housing, a restricted passage from the interior of said diaphragm to fluid pressure in said body, a valve at the lower end of said diaphragm and attached to the free end thereof to control the flow of pressure fluid through said first mentioned passage, a constricted upper outlet port from the interior of said bellows diaphragm to the interior of the housing, and a leak valve in said outlet port adapted to close as said bellows is contracted.

2,250,465
DIFFERENTIAL STAGE LIFT FLOW DEVICE, VELOCITY CONTROL
Alexander Boynton, San Antonio, Tex.
Application December 8, 1939, Serial No. 308,321
4 Claims. (Cl. 103—232)



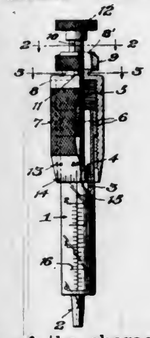
1. Well flowing apparatus of the character described comprising a conduit in which a column of liquid may be lifted, a valve body in said conduit having a passageway communicating between the interior and exterior thereof, a valve element movable in said passageway by pressure fluid flowing to the interior of the body, a baffle assembly within the body having a flow passage therethrough and movable by the varying velocity head of the moving column of liquid within the conduit and body, said assembly engaging the stem of the valve to effect control of the valve movement, said baffle assembly including yieldable inwardly extending members adapted to increase the effective passage through the body as the velocity head within the body increases.

2,250,466
DEVICE FOR PRACTICE IN RECEIVING INTERNATIONAL SEMAPHORE CODE SIGNALS
Frederick W. Cattanach, Cranford, N. J.
Application October 14, 1939, Serial No. 299,494
14 Claims. (Cl. 35—14)



1. A device of the character described, comprising a pair of signal arms rotatably mounted upon a common center, a depressible member means to rotate said arms to various relative code positions upon successively depressing said member, and means controlled by said first means to indicate the letters of the alphabet corresponding to the various positions of the signal arms, said signal arms being located at the front of the device, and the means to indicate the letters being located at the back of the device.

2,250,467
SYRINGE
Samuel F. Cole, Bethesda, Md.
Application February 8, 1939, Serial No. 255,341
10 Claims. (Cl. 128—218)

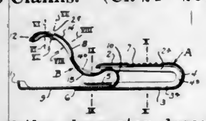


9. A device of the character described comprising in combination a syringe barrel having its lower portion inscribed with a scale and having a relatively short portion above the scale inscribed with an index line, a graduated tubular member in threaded engagement with the barrel, a piston of uniform diameter reciprocally mounted within the barrel and adapted for withdrawal through the tubular member, and a clutch on the tubular member to releasably connect the tubular member to the plunger, the graduations of the tubular member being readable relative to the index line to subdivide the graduations of the scale, the scale being readable with reference to the piston.

2,250,468
PRODUCT OF MILD OXIDATION OF LONG-CHAIN HYDROCARBONS AND PROCESS OF PRODUCING IT
Frank O. Cockerille, Waynesboro, Va.
Application June 7, 1937, Serial No. 146,955
13 Claims. (Cl. 260—451)

10. A liquid phase direct oxidation product of a high molecular weight paraffin hydrocarbon, said product containing a complex mixture of isomeric secondary alcohols and isomeric ketones, the isomers having any single carbon value selected from the group consisting of from nine to thirty carbon atoms.

2,250,469
CLASP
Lester A. Crow, Santa Rosa, Calif., assignor of five per cent to C. M. Fleissner, Santa Rosa, Calif., sixteen per cent to Carl Sullivan and twelve and one-half per cent to R. W. McElyea, Palo Alto, Calif.
Application February 5, 1940, Serial No. 317,340
10 Claims. (Cl. 24—260)

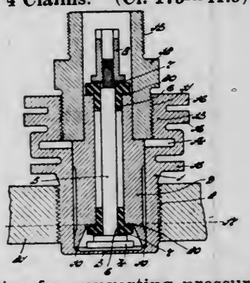


4. A clasp of the character described comprising a keeper having an upper and a lower arm spaced apart and connected at one end, said arms being substantially parallel and rigid, an upper and a lower gripping arm connected at one end by a spring eye, said eye and arms being slidably mounted between the arms of the keeper to assume either an inner closed position or an outer open position, a hump-shaped surface formed on the upper gripping arm and engageable with one of the keeper arms to close said gripper arm with relation to the lower gripper arm, a gripping jaw formed at the outer end of each gripping arm, and a reverse bend formed on the upper gripping arm intermediate the hump-shaped surface and the spring eye.

2,250,470
MANGANESE ALLOY
Reginald S. Dean and Clarence T. Anderson, Salt Lake City, Utah, assignors to Chicago Development Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 23, 1940, Serial No. 357,922
6 Claims. (Cl. 75—134)

1. A hardenable alloy, having good corrosion resistant characteristics, containing manganese from 30% to 90%, nickel from 1% to 35%, chromium from 1% to 20%, and the balance substantially all copper, the copper comprising at least 5%.

2,250,471
PRESSURE MEASURING DEVICE
Sake Leendert de Bruin, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 10, 1939, Serial No. 261,097
In the Netherlands March 12, 1938
4 Claims. (Cl. 175—41.5)



1. A device for converting pressure variations in a fluid into capacity variations, comprising a metal housing having a bottom portion adapted to be displaced by the fluid, a metal member within said housing and having a surface in spaced relationship with the surface of said bottom portion, said member and bottom portion acting as electrodes of a condenser, and means to maintain constant the distance between said member and bottom portion, said means comprising a metal bushing within said housing and having one end supported at the periphery of said bottom portion, said metal member being insulatingly supported from said bushing at a point near the bottom portion of the housing.

2,250,472
METHOD OF PRODUCING COLORED COATINGS UPON MAGNESIUM AND ITS ALLOYS
Herbert K. De Long, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 12, 1938, Serial No. 224,510
9 Claims. (Cl. 148—6)

1. In a method of producing a colored corrosion-resistant coating upon an article formed of

a metal selected from the class consisting of magnesium and magnesium alloys, the step which consists in subjecting the article to the action of a solution consisting of water and a base selected from the class consisting of the soluble alkali and alkaline earth metal bases and a dye soluble in the solution, said step being carried out under a pressure of at least 20 pounds per square inch and at a temperature above the normal boiling point of the solution.

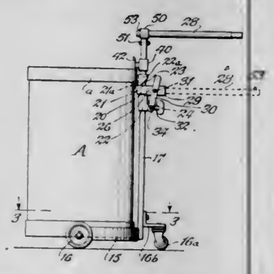
2,250,473
COATING MAGNESIUM ARTICLES
Herbert K. De Long, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 24, 1940, Serial No. 336,962
12 Claims. (Cl. 148—6)

1. The method of producing a corrosion-resistant coating upon an article formed of a metal selected from the class consisting of magnesium and magnesium alloys which comprises subjecting the article to the action of a solution consisting of water and an alkali at a temperature between about 150° C. and about 250° C. and under a pressure at least equal to the vapor pressure of the solution at the operating temperature.

2,250,474
STERILIZATION PROCESS
Josef Eisenbrand and Hermann Picher, Frankfort-on-the-Main-Hochst, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 20, 1938, Serial No. 230,804. In Germany October 8, 1937
6 Claims. (Cl. 167—58)

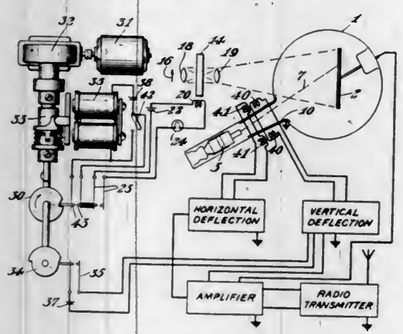
1. A process of sterilizing a solution of a physiologically active substance liable to decomposition within a pH-range of more than 5 during sterilization by heat which process comprises regulating the pH-value of the solution by adding thereto before sterilization a small amount of urea and acid sufficient to automatically adjust the pH-value of the sterilized solution to a pH-range above 5, and subjecting the solution to the sterilization step by heating.

2,250,475
TRUCK OR TRANSPORTING DEVICE
Charles K. Ernst, Buffalo, N. Y.; Charles F. Ernst, Mae C. Lay, and Arthur G. Ernst, executors of said Charles K. Ernst, deceased
Application September 6, 1938, Serial No. 228,560
19 Claims. (Cl. 214—65.4)



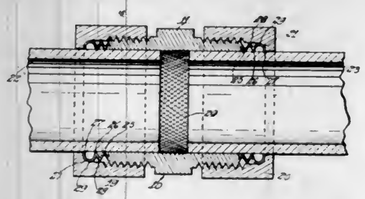
1. In a device for transporting containers, the combination of a base having wheels mounted thereon, a standard fixed to and extending upwardly from said base and adapted to be moved into proximity to a container, an adjustable sleeve mounted to slide on said standard, means for locking said sleeve in adjusted position on said standard, a lever pivoted on said sleeve and having an end portion adapted to engage a part of the container above said base for raising the same bodily lengthwise of said standard, and a swinging latch which automatically locks said lever and said sleeve together for holding said lever in the position to which it moves when the container is raised.

2,250,476
SYSTEM FOR PHOTOTRANSMISSION
Earl R. Evans, Jackson Heights, N. Y.
Application June 14, 1938, Serial No. 213,574
5 Claims. (Cl. 178—6.8)



1. In a photo-transmission system, means for storing and transmitting pictures or images in succession at intervals of the order of a few seconds, means for varying the start of successive cycles of said storing and transmitting means to vary the spacing of successive pictures and picture-storage receiving means for reproducing and temporarily maintaining each of the successive pictures or images for a period of at least a few seconds.

2,250,477
COUPLING
Samuel Fleischman, Chicago, Ill., assignor of 20 per cent to Henry Bleck, Chicago, Ill.
Application June 19, 1940, Serial No. 341,248
4 Claims. (Cl. 285—193)



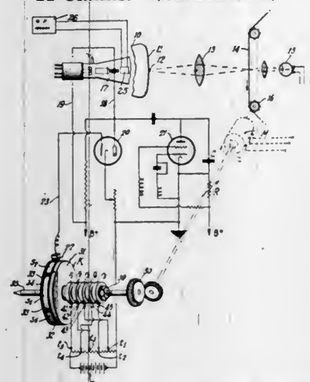
1. A pipe coupling including a tubular member receiving the end of a pipe and provided with external threads, a shouldered nut adapted to be screwed onto said member, and means including a wave like extension integral with said member, and adapted to be engaged by the shoulder of said nut for distorting said extension radially thereby sealing the interspace between said pipe and said nut at a plurality of spaced points.

2,250,478
ARTIFICIAL BAIT
Wayne M. Franks, Rockford, Ill.
Application September 11, 1939, Serial No. 294,236
7 Claims. (Cl. 43—42)



1. An artificial bait comprising, in combination, a buoyant body fashioned and decorated to simulate the body of a frog, a hook projecting from the rear of said body and having a shank extending longitudinally thereof and provided with a loop beneath the body near the rear end thereof, a double hook having an eye pivotally connected to said loop and diverging shanks dangling loosely beneath said body, and tufts of hair fixed to and extending along said shanks and beyond the hook ends to simulate the hind legs of a frog, said double hook and tufts resisting movement through the water so as to swing upwardly into a trailing position behind said body while the latter is pulled through the water.

2,250,479
SYSTEM FOR BUILDING VOLTAGES FOR DEFLECTING CATHODE RAYS
Peter C. Goldmark, New York, N. Y., assignor to Markia Corporation, New York, N. Y., a corporation of New York
Application December 10, 1936, Serial No. 115,113
11 Claims. (Cl. 178—7.2)

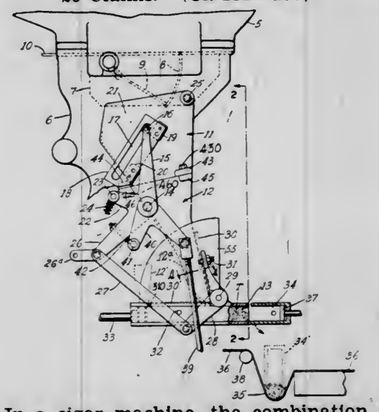


11. In an electronic tube scanning system, the combination which comprises an electronic scanning device, means associated with said scanning device for deflecting an electronic beam therein in line-scanning direction at line-scanning frequency, deflection means associated with said scanning device for deflecting said electronic beam in a field-scanning direction substantially perpendicular to said line-scanning direction, an electronic oscillator for producing a substantially uniformly recurring sawtooth-scanning electric wave of field-scanning frequency, a commutator-controlled generator for producing a cyclically recurring electric wave having a plurality of successive different constant magnitudes within a cycle thereof, each of said magnitudes remaining substantially constant throughout at least one field-scanning period of said sawtooth-scanning electric wave, and means for impressing both said electric waves on said deflection means to deflect said electronic beam in the field-scanning direction.

2,250,480
DIHYDROXY HEXACHLORO DIPHENYL METHANE AND METHOD OF PRODUCING THE SAME
William S. Gump, Nutley, N. J., assignor to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application March 18, 1939, Serial No. 262,635
6 Claims. (Cl. 260—619)

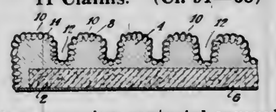
2. The compound, 2,2'-dihydroxy-3,5,6,3',5',6'-hexachloro diphenyl methane, comprising a substantially odorless, tasteless and colorless substance melting at 161 to 162° C.

2,250,481
MACHINE FOR FEEDING TOBACCO
John F. Halstead, Brooklyn, N. Y., assignor to The International Cigar Machinery Company, a corporation of New Jersey
Application July 1, 1937, Serial No. 151,395
29 Claims. (Cl. 131—108)



1. In a cigar machine, the combination with a hopper containing a supply of filler tobacco, of a measuring device, a bunch forming chamber, a chute discharging into said chamber, a trap door movably mounted on said chamber and forming with said chute a receiving and arranging pocket wherein tobacco fed from said device is arranged with its pieces extending in the same general direction, and means for moving said chute and door to feed said tobacco into said chamber.

2,250,482
SURFACE COVERING MATERIAL AND THE LIKE AND PROCESS OF MAKING SAME
Norman P. Harshberger, Scarsdale, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York
Application June 23, 1936, Serial No. 86,877
11 Claims. (Cl. 91—68)



1. Surface covering material comprising a base including a waterproofing surface coating, said

surface coating having secured thereto particles of surface roughening material and said coating presenting a pattern comprising a plurality of raised portions separated by intervening furrows; a cementitious layer comprising hydraulic cement over said raised portions and furrows and anchored by said particles of surface roughening material, said cementitious layer maintaining visually prominent said raised portions and furrows and providing a rigidifying encasement on said raised portions capable of resisting substantial pressure and adapted to substantially prevent deformation thereof and substantially protect the underlying waterproofing coating, and said pattern substantially limiting the cracking effects upon said cementitious layer of expansion and contraction of said base material, and adapted to substantially hide from view surface cracking of the cementitious layer due to said effects and to handling, by substantially confining said cracking to said furrows.

2,250,483

FIREPROOFING COMPOSITION AND METHOD

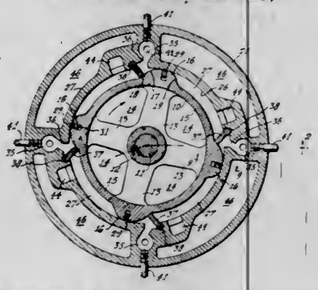
Harry Hopkinson, Watertown, Mass.
No Drawing. Application August 19, 1937, Serial No. 158,373
16 Claims. (Cl. 134—78.6)

4. A fireproofing liquid containing a plurality of water soluble inorganic fireproofing salts capable of double decomposition in the presence of water to form a water insoluble fireproofing precipitate, each of said salts being in solution in a different organic solvent producing solutions that are miscible with each other.

2,250,484

ROTARY ENGINE

Bernhard G. Jutting, New Brunswick, N. J.
Application March 2, 1939, Serial No. 259,330
3 Claims. (Cl. 123—15)



1. An engine of the fuel oil type comprising a cylindrical casing; a plurality of equally spaced precombustion chambers formed in said casing; a central bearing in the casing; a shaft rotatingly mounted in said bearing; a rotor keyed to the shaft; a plurality of expansion chambers formed in the exterior of the rotor and adjacent to the inner wall of the casing; ports leading from the precombustion chambers to the expansion chambers, said ports being smaller in cross-section than the precombustion chambers to properly mix the compressed fuel and air for combustion; hinged valves in said ports; exhaust ports leading from the expansion chambers; the periphery of the rotor being formed with equidistant protuberances having on opposite sides camming surfaces; the valves for closing the ports from the precombustion chambers to the expansion chambers being so mounted that they are closed by the protuberances, fuel-oil inlets in said precombustion chambers, air inlets in said precombustion chambers, valves in said air inlets, compression chambers connecting with said air inlets, pistons reciprocable in said compression chambers to compress the air therein, and air inlets into said compression chambers having valves therein operative when the pistons are retracted.

2,250,485

PROCESS FOR POLYMERIZING ACRYLIC AND METHACRYLIC ACID ESTERS

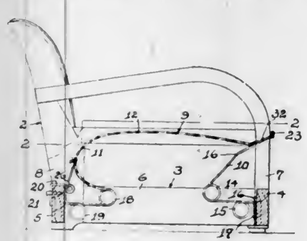
Carl T. Kautter, Darmstadt, Germany, assignor to Röhn & Haas Company, Philadelphia, Pa.
No Drawing. Application August 12, 1939, Serial No. 289,776. In Germany August 16, 1938
5 Claims. (Cl. 260—83)

1. The process of polymerizing a material selected from the group consisting of low alkyl-esters of acrylic and methacrylic acids and mixtures thereof which comprises passing the polymerizable compound containing a catalyst, in a finely divided condition into an inert gas heated to a temperature high enough to cause polymerization to take place within a few seconds.

2,250,486

WIRE SPRING AND SPRING STRUCTURE

Jacob Kronheim, Cleveland Heights, Ohio, assignor to John C. Lincoln, Scottsdale, Ariz.
Application May 24, 1938, Serial No. 209,713
2 Claims. (Cl. 155—179)



1. A spring for cushioned seats or the like comprising a horizontally corrugated seating portion including at its front end a ledge upwardly and outwardly inclined with respect to the axis of said seating portion, a front supporting means rearwardly and downwardly extended from the front end of said ledge in inclined relation with respect thereto, and rear supporting means integrally extended from the rear end of said seating portion.

2,250,487

REACTION OF FORMALS WITH GLYCOLIC ACID AND RESULTING PRODUCT

Donald J. Loder, William F. Gresham, and Donald B. Killian, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 17, 1939, Serial No. 256,855
18 Claims. (Cl. 260—484)

17. A composition of matter having the following empirical formula: $CH_2(OCH_2OR)COOR_1$, wherein R_1 is selected from the group consisting of alkyl, aryl, and aralkyl groups, and R is selected from the group consisting of alkyl, aryl, aralkyl, and carboalkoxy methoxy groups.

2,250,488

CAST IRON AND A METHOD OF PRODUCING CHILLED SURFACES THEREON

Clarence H. Lorig and Daniel E. Krause, Columbus, Ohio, assignors to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application August 5, 1938, Serial No. 223,322
7 Claims. (Cl. 22—189)

1. A method of forming chilled surfaces on a gray iron casting which comprises applying tellurium to the surface of a mold cavity and then pouring the iron into such mold cavity, the tellurium being applied to the surface of the mold cavity in an amount sufficient to produce a chilled iron layer adjacent the surface of the casting characterized by the presence of tellurium in an amount ranging from 0.001 to 0.5 per cent.

2,250,489

METHOD OF PRODUCING CHILLED SURFACES ON CAST IRON

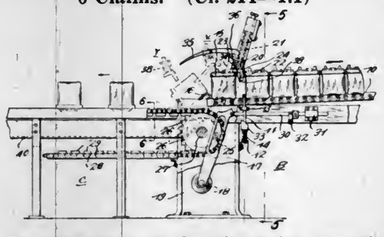
Clarence H. Lorig and Daniel E. Krause, Columbus, Ohio, assignors to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Original application August 5, 1938, Serial No. 223,322. Divided and this application November 26, 1940, Serial No. 367,264
1 Claim. (Cl. 75—130)

A method for stabilizing the carbide in a white iron zone immediately adjacent to the surface of a casting having a gray iron core, said method comprising introducing tellurium in effective amounts up to 1% in the molten iron prior to pouring the casting, and then pouring the casting.

2,250,490

BATTERY DUMPING MECHANISM

Henry W. Lormor, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application March 1, 1939, Serial No. 259,301
6 Claims. (Cl. 214—1.1)



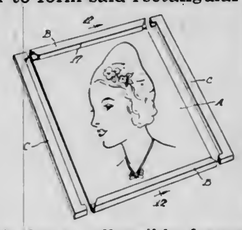
1. In apparatus of the character described, a carrier upon which batteries are supported for forward movement, an upstanding projection at the forward end of the carrier against which the forward lower corner of a battery is adapted to engage and over which it is adapted to be turned, a catch adapted to engage the opposite corner of the battery, means for moving said catch forwardly to turn said battery forward and down over said projection, and means for returning the catch to its original position through a higher path whereby the catch clears the next battery and comes into position above the rear upper corner of that battery.

2,250,491

FRAME CONSTRUCTION

Nathaniel M. Lurrain, New York, N. Y.
Application May 6, 1938, Serial No. 206,346
9 Claims. (Cl. 40—154)

1. A knock-down frame construction comprising upper, lower and side frame elements, a panel carried by said frame elements, and means to connect said frame elements together to form a rigid structure to frame and display said panel, said means including rectangular openings in the ends of said upper and lower frame elements and transversely extending rectangular keys from the upper and lower ends of the side frame elements received in said openings, each of said elements being formed from elongated strips of foldable material, which strips are folded together to form elements of hollow rectangular cross section, the side frame elements being provided with end flaps folding over to form said rectangular keys.

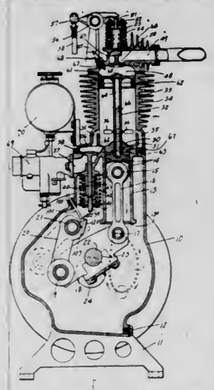


7. A blank for a collapsible frame comprising an elongated sheet member having four longitudinal fold lines dividing said blank into an outside edge section, an inside edge section, a face section, a back section, and a flap section to underlap the inside edge section and be adhesively connected thereto, the inside and underlap sections of said blank being the same length as the inside dimension of the frame, and the back section and the outside edge section being of the same length as the outside dimension of the frame, said blank being provided with end flaps to fold over to form transverse extensions.

2,250,492

SUPERCHARGED TWO-CYCLE ENGINE

Lauritz N. Miller, Eugene, Oreg.
Application October 12, 1939, Serial No. 299,095
4 Claims. (Cl. 123—74)



3. In an internal combustion engine, a cylinder, a power piston therein, an elongated stem or rod rigid therewith and having an elongated chamber therein, and heat transferring fluid means in said chamber and movable from end to end thereof in piston movement for piston cooling, the combination of a connecting rod, a crankshaft, a walking beam intermediately carried by the crank portion thereof and connected at one end to the rod, a guide arrangement in alignment with the cylinder, an elongated stem rigid with the piston, guide means in said guide arrangement and carried by

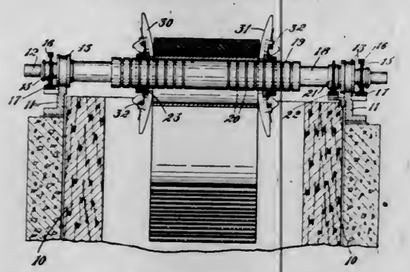
the stem, the connecting rod having pivotal connection with the guide means, and a link pivoted at one end upon a stationary axis and at its opposite end to the other end of the walking beam for the purpose set forth.

2,250,493
FOOT and LEG EXERCISING DEVISE
George M. Milne, Detroit, Mich.
Application June 10, 1940, Serial No. 339,703
10 Claims. (Cl. 272—57)



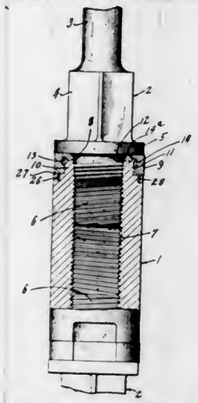
3. In a device of the character described, a supporting frame structure having a pair of elongated, spaced, interconnected, substantially parallel side wall members, a carrier structure for the ball and toe portions of a human foot arranged rearwardly of and in spaced relation to the front end of said first structure and having means for securing said portions therewithin, and means connecting said second structure to at least one of said wall members in said spaced relation to said front end to provide for selective movement and positioning of one of said structures relatively to the other thereof about a transverse axis.

2,250,494
MANDREL FOR PICKLING MACHINES
Stone Nyberg, Dover, and Herman C. Cappel, New Philadelphia, Ohio, assignors to Agnes J. Reeves Greer, Morgantown, W. Va.
Application October 11, 1939, Serial No. 298,954
8 Claims. (Cl. 242—84)



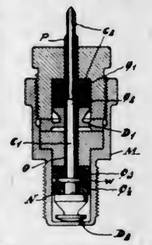
1. A mandrel for supporting a coil of metal in a pickling machine, an annular flange mounted around the mandrel, spaced pairs of ears upon the flange, radial fingers pivotally mounted between said ears and adapted to be swung upon their pivots toward the mandrel each finger having a notch in its inner end, spring means for normally urging the fingers toward extended radial position, and a locking ring rotatably mounted upon the flange and provided with spaced radial ears adapted to be received in said notches for locking said fingers in extended radial position.

2,250,495
COUPLING
Albert W. Miller, Jamaica, N. Y.
Application March 25, 1940, Serial No. 325,682
6 Claims. (Cl. 287—125)



1. In a coupling construction, the combination of a member having a head with a shoulder, a coupling member having a thread connection to the head including a threaded pin, a collar rotatable on the pin between the shoulder and the end of said coupling member, an eccentric connection between one of said parts and said collar, said collar having an opening therethrough mounting the collar for rotation on the pin, said collar capable of assuming a neutral position on the eccentric connection in which the opening in the collar aligns with the axis of the thread connection, to receive the pin; and means for stopping a relative rotation of the collar with respect to the other parts when the same has been rotated in one direction through more than one hundred and eighty degrees from the said neutral position, whereby the resistance to relative rotation of the eccentric parts immediately increases upon a reverse relative rotation of the eccentric connection.

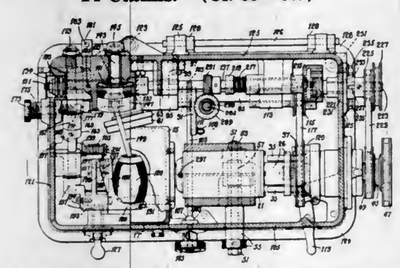
2,250,496
PRESSURE MEASURING DEVICE
Frank Postlethwaite, Farnborough, England, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application June 16, 1938, Serial No. 214,154
In Great Britain June 22, 1937
2 Claims. (Cl. 171—327)



1. A device for measuring fluctuations in the pressure of the gas in an internal combustion engine comprising a hollow housing having a diaphragm portion adapted to be placed with one surface in contact with the gas whose pressure is to be measured, a piezo quartz crystal within the housing, a member actuated by said diaphragm

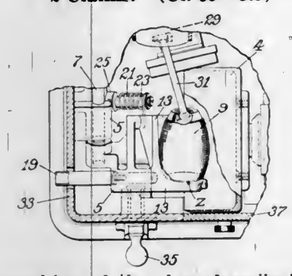
portion and bearing upon said crystal to compress the same, a second crystal within said housing, a member responsive only to mechanical vibration and bearing upon said second crystal to compress the same, and means connecting said crystals so that they produce equal and opposite charges due to vibration, said means comprising an electric connection between a surface portion of each of said crystals, and a second electric connection between another surface portion of each crystal, the surface portions of each crystal being separated from each other.

2,250,497
SKIVING MACHINE
Eugene J. Ray, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 19, 1939, Serial No. 268,718
14 Claims. (Cl. 69—9.5)



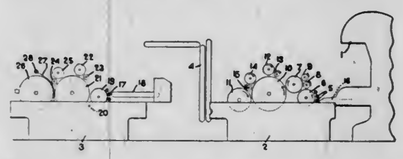
1. A skiving machine having in combination a rotary tubular knife, a feed roll located partly within the knife, a presser which cooperates with the feed roll, said knife having an outside bevel along its cutting edge and being adjustable longitudinally, and a rotary grinder having an operative face which is all in one plane, said grinder being angularly movable into and out of operative position about an axis which is parallel to the axis of rotation of the knife.

2,250,498
SKIVING MACHINE
Eugene J. Ray, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 23, 1940, Serial No. 315,222
In Canada January 16, 1940
2 Claims. (Cl. 69—9.5)



1. A machine of the class described having in combination, a tubular knife, a feed roll located partly within the knife, a block upon which the feed roll is rotatably mounted, said block having a cylindrical stem about the axis of which the block and roll may be tilted, a spring for normally holding up one end of the feed roll, a link for driving the roll, said link having an enlarged end provided with a cross bore, a cross pin slidable in the bore, means for limiting said sliding movement, a carrier having a socket to receive the cylindrical stem of the block, there being in the frame of the machine an opening in line with the axis of the socket, and a screw for holding the stem in the socket, said screw having a head which extends out through said opening.

2,250,499
CARDING APPARATUS
Samuel Forbes Rockwell, Jr., North Andover, Mass., assignor to Davis & Furber Machine Company, North Andover, Mass., a corporation of Massachusetts
Application August 2, 1940, Serial No. 349,887
6 Claims. (Cl. 19—99)

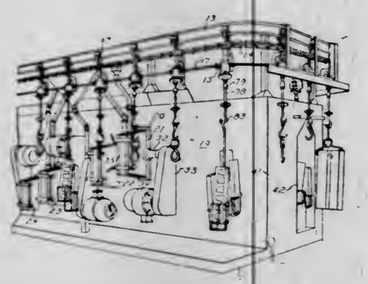


1. Carding apparatus for fibre composed wholly or principally of staple artificial fibre comprising a breaker card; a finisher card; an intermediate feed of the type laying the web transversely of the finisher card; the breaker card having a first and a second lickerin; each card having a main cylinder, a doffer cylinder, and a small number of worker and stripper units as compared with those in standard cards and with the diameter of the main cylinder such as to leave, between the lickerin and the first worker and stripper unit and between the worker and stripper units, spaces insufficient for material loss of fibre by being blown off; the breaker card having a plurality of divider rolls acting upon the thicker lumps of the fibre to cause the first lickerin to transfer a fraction of the thickness directly to the second lickerin and the remainder to the first divider roll and the first divider roll to transfer a fraction of the thickness received by it directly to the second lickerin and the remainder to the next divider roll and so on with the final fraction transferred directly from the last divider roll to the second lickerin; whereby a thorough and uniform mixture of the fibres and a web of uniform weight are secured with a minimum amount of working.

2,250,500
ABRADING APPARATUS
William A. Rosenberger, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application September 21, 1937, Serial No. 164,924
7 Claims. (Cl. 51—9)

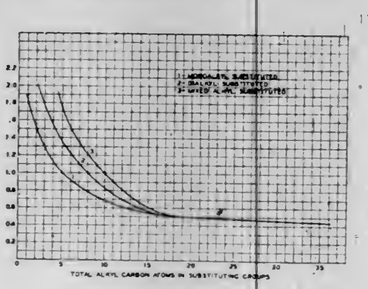
3. In the art of cleaning articles such as articles having relatively deep cavities therein by abrading, the steps which include moving an article along a predetermined path of travel and halting it in position before a blasting station, establishing a blasting stream at said blasting station with an impingement pattern elongated in a vertical plane, rotating said article through at least one complete revolution about an axis offset in the direction of work travel of said article with respect to the approximate vertical axis of the blast stream from said station, moving said article to a second blasting station and halting it, establishing a second blasting stream at said second

blasting station with an impingement pattern elongated in a vertical plane, and rotating said article at least one complete revolution about an axis offset with respect to the approximate longi-



tudinal axis of the blast stream from said second station, said last named offset being in a direction opposite to said first named offset, said blast streams having different directions relative to the direction of rotation of said article.

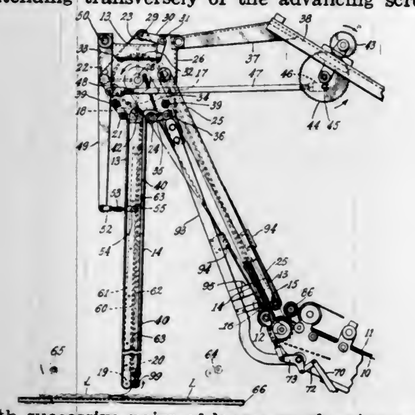
2,250,501
TREATMENT OF HYDROCARBONS
Robert H. Rosenwald and Joseph A. Chenicek, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 30, 1938, Serial No. 205,356
3 Claims. (Cl. 44—9)



1. A process for the treatment of gasolines subject to deterioration of their desirable properties on storage, which comprises adding thereto amounts of N-methyl-N-butyl-p-aminophenols equal to less than 0.1% by weight of said gasoline.

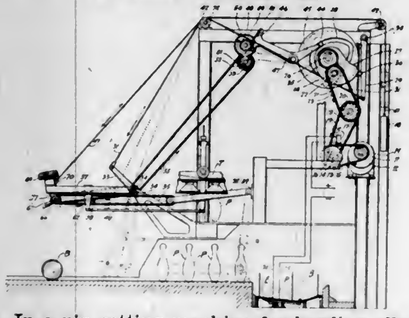
2,250,502
DELIVERY FOR TOBACCO STRIPPERS
Rupert E. Rundell, Rockville Centre, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application November 30, 1937, Serial No. 177,216
24 Claims. (Cl. 131—124)

1. The combination with a screen, of a traveling member adapted to advance the screen horizontally, a plurality of mechanisms receiving a desired variety of grades of stemmed tobacco to form a blend and depositing them so that they will be deposited to assume a paired relationship extending transversely of the advancing screen



with successive pairs of leaves overlapping each other laterally.

2,250,503
PIN REMOVING AND GUARD MECHANISM FOR BOWLING ALLEYS
Rupert E. Rundell, Rockville Centre, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application December 29, 1938, Serial No. 248,215
19 Claims. (Cl. 273—42)



1. In a pin setting machine for bowling alleys, the combination with an alley bed, of a transporting device adapted to position a predetermined number of pins upon said alley, an alley guard, a rake located adjacent said guard and extending across said alley for travel thereover and therealong, means for moving said guard and rake into a position adjacent said alley whereby said guard prevents unwanted objects from rolling across the pin supporting portion of said alley, and means for moving said rake away from said guard and along the pin supporting portion of said alley after a ball has been thrown in order to remove therefrom a ball, fallen pins and/or unwanted standing pins.

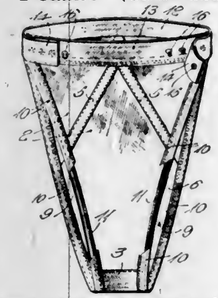
2,250,504
PHARMACEUTICAL PREPARATION
Piero Mariano Salerni, Maidenhead, Berkshire, England
No Drawing. Application August 15, 1939, Serial No. 290,199. In Great Britain April 28, 1933
3 Claims. (Cl. 167—58)

1. A pharmaceutical preparation comprising chloramine T and a water soluble metal iodide, both in solid state and a water soluble organic substance oxidizable in aqueous solution by iodine.

2,250,505
ALLOY STEEL
Luciano G. Selmi, Detroit, and Clarence L. Altenburger, Dearborn, Mich., assignors to Great Lakes Steel Corporation, Ecorse, Mich., a corporation of Delaware
No Drawing. Application March 3, 1941, Serial No. 381,560
4 Claims. (Cl. 75—126)

1. A steel having inherently fine grain and containing comparatively small quantities of alloy elements with hardenability variable through wide ranges by relatively small variations of the alloy elements capable of being welded by commercial processes, and consisting of carbon .25 to .70%; manganese .50 to .75%; chromium .50 to .75%; silicon .70 to .90%; zirconium .05 to .35%; molybdenum .05 to .35%, and the balance iron.

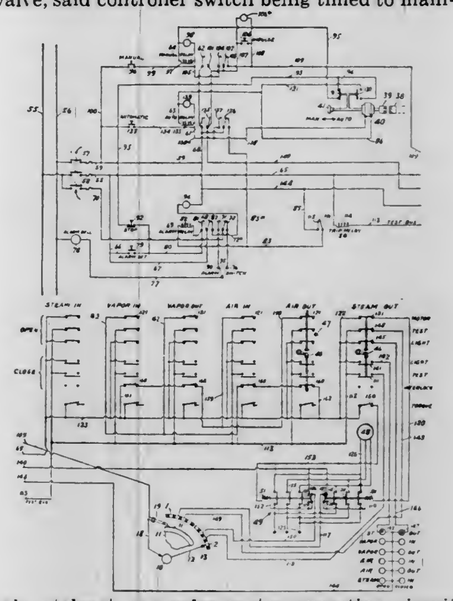
2,250,506
UNDERGARMENT
Paul Snyder, Baltimore, Md.
Application July 14, 1939, Serial No. 284,542
1 Claim. (Cl. 2—224)



In a garment of the character described, front and rear panels separated at their sides and tapered toward their lower ends, a reinforcing sheet for the front panel having its upper portion tapered upwardly and terminating midway the width of the upper end of the front panel, reinforcing tapes for said panels extending diagonally thereon in conformity to the taper of the upper portion of the reinforcing sheet with their lower ends terminating at side edges of the panels in spaced relation to upper and lower ends thereof and the upper ends of companion tapes meeting midway the width of the panel carrying the same, a strip of elastic fabric extending across the upper end of the front panel, a strip of elastic fabric extending across the upper end of the rear panel with its end portions projecting from opposite sides thereof to provide tongues, upper marginal portions of the panels and upper ends of the reinforcing tapes being sewed against inner faces of said strips, and companion fastener members carried by said tongues and end portions of the front strip to releasably and adjustably secure the tongues in overlapping engagement with end portions of the front strip to form a waistband of predetermined dimensions.

2,250,507
CYCLE TIMER APPARATUS
Henry Thomas, Ridley Park, John M. Pearson, Swarthmore, and Edward J. Nopper, Lansdowne, Pa., assignors, by mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application August 20, 1937, Serial No. 160,122
3 Claims. (Cl. 177—311)

1. A system of control for a group of valves used in a cycle of operation and wherein during the cycle the valves are operated at predetermined time intervals and the valves tested after each operation is completed, which comprises a motor for operating each valve, an operating circuit for each valve motor, a controller switch for energizing the motor operating circuits, means for maintaining said motor operating circuits energized for predetermined time periods, an independent electrical test circuit for each valve, said controller switch being timed to main-



tain at least one valve motor operating circuit in energized condition while the condition of operation of a valve by a previously energized operating circuit is tested, a control circuit for deenergizing an energized valve motor operating circuit, switch means controlled by each valve operation and being operable when a tested valve shows improper operation to cause said control circuit to stop the operation of a valve motor.

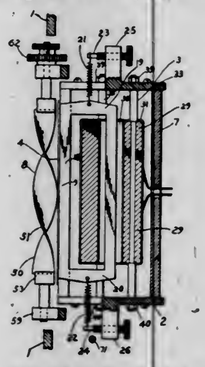
2,250,508
TREATING ZINC WITH ORGANIC ACIDS
John S. Thompson and Edward S. Hanson, Detroit, Mich.
No Drawing. Application June 15, 1936, Serial No. 85,335. Renewed January 20, 1939
15 Claims. (Cl. 148—6)

11. A method of chemically coating zinc surfaces which comprises subjecting said surfaces to the action of a solution containing an acid of the group consisting of phthalic, formic, acetic, propionic, citric, glycollic and mandelic, an oxidizing agent chosen from the group consisting of nitrates, nitrites and bromates, and a metal accelerator chosen from the group of iron, antimony, arsenic, zinc, cobalt, copper, nickel and cadmium until a visible protective coating is obtained on the zinc surface.

2,250,509
RECORDING MECHANISM
Edwin E. Turner, Jr., West Roxbury, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Application October 2, 1937, Serial No. 166,960
4 Claims. (Cl. 234—70)

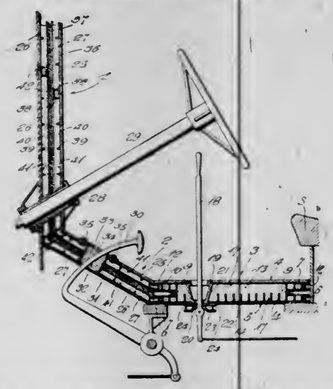
1. In a recording device of the type described,

a drum having a slot therein, means for positioning a recording paper around said drum and over said slot, a toroidal magnet positioned within said drum, a conductive coil element linking said toroidal magnet and providing an edge



aligned in said slot whereby when said toroidal magnet is momentarily energized, said conductive element will move radially in said slot against said paper.

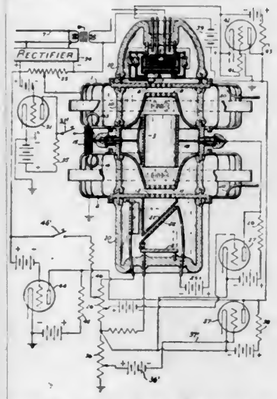
2,250,510
AUTOMOBILE INSULATION
Charles J. Van Buren, Fort Lauderdale, Fla.
Application September 21, 1939, Serial No. 295,965
4 Claims. (Cl. 296—28)



1. A motor vehicle body including a dashboard and flooring formed of panels, one of said panels comprising a hollow shell having solid inner and outer walls, intermediate wall members between the inner and outer walls spaced therefrom and from each other and having their central portions open, and closure members extending between margins of the walls and the intermediate wall members and together with the intermediate wall members forming a channel of appreciable width extending entirely about the panel.

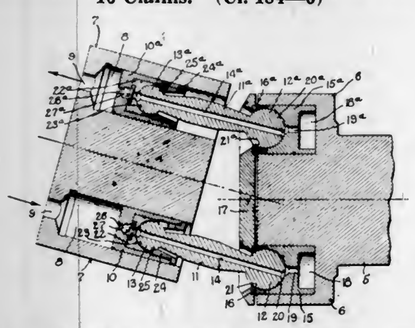
2,250,511
OSCILLATOR STABILIZATION SYSTEM
Russell H. Varian and William W. Hansen, Stanford University, Calif., assignors to The Board of Trustees of The Leland Stanford University, Stanford University, Calif., a corporation of California
Application September 2, 1938, Serial No. 228,133
10 Claims. (Cl. 250—36)

1. In apparatus of the kind described, the combination of an oscillator comprising cavity resonator means, an emitter for producing an electron flow through said cavity resonator



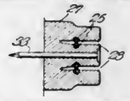
means, means for detecting changes in the velocity of electrons flowing from said emitter, and means for utilizing the output of said detecting means to reduce said changes in velocity.

2,250,512
CONNECTING ROD LUBRICATION
Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application September 28, 1938, Serial No. 232,164
16 Claims. (Cl. 184—6)



1. In a variable piston displacement device adapted to be used as a pump or motor, a lubricating chamber in communication with bearings in said device and adapted to be furnished with compressed liquid at intervals in the operation of said device, said liquid subsequently expanding to force liquid into said bearings to lubricate the same.

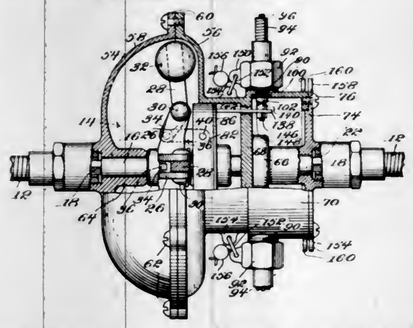
2,250,513
ELECTRICAL OUTLET
George H. Von Gehr, Chicago, Ill.
Application December 4, 1933, Serial No. 700,835
4 Claims. (Cl. 173—334.1)



1. A continuous electrical outlet adapted to receive throughout its length one or more outlet plugs in operative electrical contact, comprising a

yieldable strip of insulating material having a pair of slots extending longitudinally thereof and adapted to receive the contact arms of an outlet plug, a pair of mechanically separate electrical conductors in each of said slots each conductor of each said pair of conductors being yieldably supported by a wall of said slot whereby said strip and said conductors are yieldable transversely of the outlet at plug inserting pressures so as to urge the conductors toward the arms of the plug.

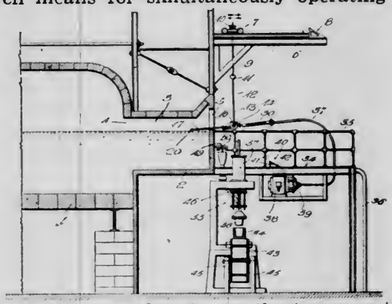
2,250,514
SPEED WARNING SYSTEM
James C. Weaver, Harrisburg, Pa., assignor, by mesne assignments, to Samuel Snyder, Harrisburg, Pa.
Application January 23, 1939, Serial No. 252,452
1 Claim. (Cl. 200—80)



In a speed indicating signal of the type described, a governor comprising a housing having a drive shaft rotatably journaled therein, a transverse partition in said housing and having openings, contacts carried by said housing for connection with wires of a signal circuit, a first collar keyed on said shaft for rotation therewith but movable longitudinally thereon, speed responsive means keyed to said shaft and having operating connections with said first collar for moving the latter longitudinally of said shaft upon rotation of the latter, a second collar slidable inside said housing longitudinally of said shaft, said first collar being rotatable relatively to said second collar with the latter connected with the first collar to be moved therewith in its movement longitudinally of said shaft, a pair of switch arms fixedly connected with said second collar and electrically connected, said switch arms extending through the openings in said partition, and second contacts carried by said switch arms and normally spaced from said first-mentioned contacts, said second contacts being arranged to be moved into circuit closing engagement with said first-mentioned contacts when said switch arms and said second collar are moved a predetermined distance by said first-mentioned collar.

2,250,515
GLASS GATHERING AND MOLDING APPARATUS
Josiah H. Williams, Baltimore, Md.
Application October 2, 1937, Serial No. 167,047
24 Claims. (Cl. 49—5)

16. In a glass gathering and molding or pressing apparatus, the combination of a melting furnace having a gathering opening in one of its walls located at a suitable high level above the floor of the room in which the furnace is disposed, a work platform on which a puntyman may stand disposed at a level above the floor and below the gathering opening, a plurality of molds disposed adjacent to said wall and below the level of the platform, a multiple punty gatherer arranged above the level of the platform so as to be moved into and out of the furnace and manipulated for gathering actions by a workman standing on the platform, said multiple punty including manually operable means and motor driven means for simultaneously operating the

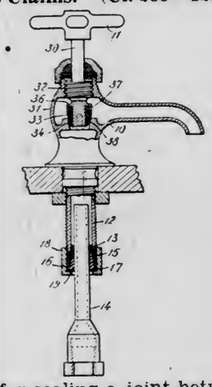


individual punties for glass gathering operations and means for throwing said motor driven means into and out of action at will, a plural cutter arranged adjacent to and below the level of the gathering opening and above the level of the platform for simultaneously severing the gathers from the punties on their withdrawal from the furnace, and guides arranged beneath the cutter and extending below the platform for conducting the severed gathers by gravity to the respective molds.

2,250,516
TREATMENT OF PRINTING PLATES
William H. Wood, Bedford, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 3, 1940, Serial No. 355,187
10 Claims. (Cl. 101—149)

1. In the treatment of lithographic printing plates bearing a printing image thereon, applying to the plates an aqueous solution containing arabogalactan.

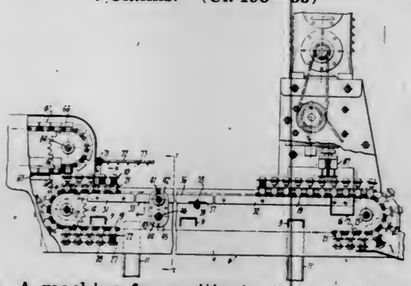
2,250,517
COUPLING CONNECTION
John G. Zolleis, Philadelphia, Pa.
Application May 8, 1939, Serial No. 272,387
5 Claims. (Cl. 285—123)



1. Means for sealing a joint between two telescoping members, said means comprising a ring

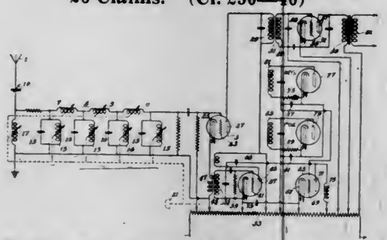
of distortable material surrounding the inner member, a continuous conical band surrounding the ring, the inner diameter of the outer member being dimensioned to receive said ring and band, and means engaging the end of the ring for forcing the ring into the band and the band into the end of the outer member to deform the ring into substantially permanent engagement with said inner member and said band into close conformity with the seat at the end of the outer member.

2,250,518
OLIVE STRAIGHTENER
George W. Ashlock, Jr., Oakland, Calif.
Application November 26, 1940, Serial No. 367,163
7 Claims. (Cl. 198—33)



1. A machine for positioning a generally oval article in a position wherein its major axis is substantially vertical, said machine comprising a receptacle for supporting an article positioned therein, said receptacle having a cavity therein in the form of an inverted frustum of a cone with opposite cavity walls substantially at an angle of 36°, means for placing an article in said receptacle in any position, and means for vibrating said receptacle to turn said article into a position in said receptacle wherein its major axis is substantially vertical.

2,250,519
AUTOMATIC TUNING SYSTEM
George L. Beers, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 23, 1934, Serial No. 712,526
26 Claims. (Cl. 250—40)

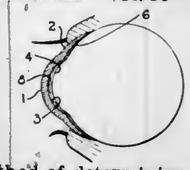


1. In a radio receiver of the superheterodyne type, a first detector provided with a modulated signal input circuit, solely a single local oscillator feeding the detector, the oscillator being of the type having only a single tube, a tuning device for the detector and oscillator, means for varying in unison the frequency of said oscillator and said detector input circuit in accordance with a movement of said tuning device, said input circuit having a pass band of the order of 100 kilocycles, and means for further changing the frequency of said oscillator automatically in response to said detector input circuit being tuned within a predetermined frequency range on either side of the frequency of an incoming signal, said last means including a pair of rectifiers in opposed relation and coupled to the detector output for deriving a direct current voltage from the detector output energy when the frequency thereof departs from an operating value.

2,250,520
MANUFACTURE OF UNSATURATED ESTERS
Joseph E. Bludworth, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 16, 1938, Serial No. 225,098
9 Claims. (Cl. 260—486)

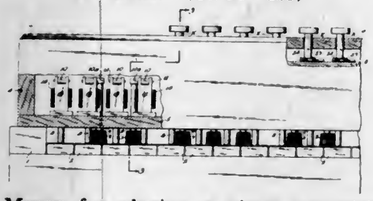
1. Method of forming methallyl methacrylate which comprises mixing methacrolein with an aluminum alcoholate, heating the mixture under reflux and separating the methallyl methacrylate formed from the reaction mixture.

2,250,521
OPHTHALMIC LENS AND PROCESS OF MAKING SAME
Paul A. K. Boeder, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 28, 1938, Serial No. 237,505
3 Claims. (Cl. 88—20)



1. The method of determining the variation of curvature of the eyeball comprising positioning a transparent member simulating a contact lens having a sclera bearing portion of a known inner curvature over the eye with a colored liquid between the eye and the bearing surfaces of the lens and comparing the variation in shade of the liquid at different given points on said transparent member with a shade check chart which is calibrated adjacent each color to indicate the thickness represented thereby to determine the thickness of said liquid at said points, and, therefore, the curvature necessary to properly fit a contact lens to the eye.

2,250,522
ELECTRICAL PLAYER ATTACHMENT FOR PIANOS AND SIMILAR KEYBOARD INSTRUMENTS
Saturnino Tofé Bonilla, New York, N. Y.
Application April 19, 1941, Serial No. 389,282
3 Claims. (Cl. 84—423)



1. Means for playing a piano comprising a plurality of movable actuating members which

respectively play different notes, each said actuating member having a power-operated operating device which is adapted to operate the respective actuating member in order to play the respective note, each said operating device having a movable control member which is adapted to turn on the supply of power to said operating device when said control member is in the "on" position and to shut off the supply of power when said control member is in the "off" position, each said actuating member being biased to a normal position out of which said actuating member is moved by the respective operating device when the respective operating device is supplied with power, each said movable control member being biased to the "off" position, an operator-actuated key which is movable to actuate a plurality of said movable control members to their "on" positions, so that said key can play a plurality of notes, operator-actuated control means movable wholly independently of said actuating members and of said operating devices and adapted to prevent the supply of power to a selected operating device even when the respective control member is moved to the "on" position.

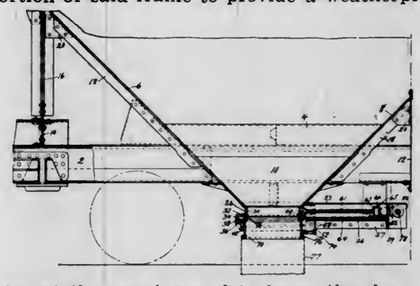
2,250,523
CAR CONSTRUCTION
John Christiansen and John B. D. Thompson, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application February 15, 1939, Serial No. 256,554
15 Claims. (Cl. 105—397)



1. In railway car construction the combination of an underframe, side posts on either side of the underframe and connected thereto, end posts and corner posts connected to said underframe, said side and end posts being of angular formation and having an outer corrugated flange, said corner posts being of tubular formation with laterally directed corrugated flanges, corrugated side and end sheets overlapping said corrugated flanges and secured thereto, and corner caps joining said side and end sheets, said caps having portions overlapping the corrugated side and end sheets and corner posts.

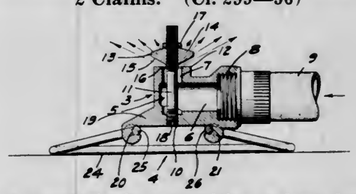
2,250,524
HOPPER DISCHARGE
William F. Dietrichson, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application May 18, 1938, Serial No. 208,665
20 Claims. (Cl. 105—307)

1. In a railway hopper car, a hopper discharge arrangement comprising a frame secured to the hopper at its discharge end portion and provided with an opening and door supporting means, a door movable relative to said supporting means to open and close said opening, and means forming a part of the hopper discharge opening and being carried by the frame, said means being operable independently of the door to force the door upwardly into tight engagement with a portion of said frame to provide a weatherproof



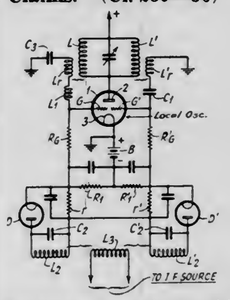
joint at the opening and to lower the door out of such tight engagement.

2,250,525
SPRINKLER
James S. Donnellan, Los Angeles, Calif.
Application May 21, 1940, Serial No. 336,393
2 Claims. (Cl. 299—56)



1. A nozzle body comprising a base having a flat bottom wall which underlies a discharge passage leading through said body, and a pair of elongated parallel flanges extending downwardly from the lower side of said wall, each of said flanges having an elongated horizontal seat extending lengthwise thereof and directed toward the seat of its fellow to receive a wire support.

2,250,526
OSCILLATOR CONTROL CIRCUIT
Ernst Franke, Berlin-Wilmersdorf, and Karl Wilhelm, Berlin-Tempelhof, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 28, 1938, Serial No. 187,382
In Germany March 2, 1937
7 Claims. (Cl. 250—36)



2. In an oscillator network provided with an oscillation generator tube including at least a cathode, control grid and anode, a resonant circuit tuned to a desired oscillation frequency and being included in a reactive coupling path between said anode and grid, said path including a phase shifting element, at least one auxiliary elec-

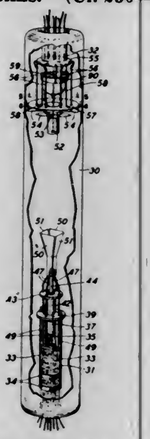
trode disposed in the electron stream between the cathode and anode, a second reactive coupling path between said anode and auxiliary electrode including said resonant circuit, said second path including a phase shifting element of opposite sign to said first element and means for varying the potential of at least said auxiliary electrode over a range of values sufficient substantially to change the frequency of said resonant circuit.

2,250,527

SIGNAL TRANSLATING APPARATUS

Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 11, 1939, Serial No. 255,897
13 Claims. (Cl. 250—152)



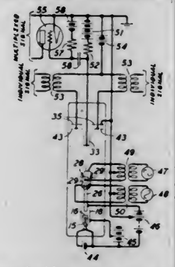
2. In an electron discharge device, a cathode and an electron lens system in cooperative relation with said cathode comprising a cylindrical electrode encompassing said cathode, deflector means spaced from said electrode and mounted in a boundary coaxial therewith, and a second cylindrical electrode coaxial with said first electrode, and having one end portion extending between said deflector means and the opposite end portion extending into said first cylindrical electrode.

2,250,528

SIGNAL TRANSLATING SYSTEM AND APPARATUS

Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 11, 1939, Serial No. 255,898
9 Claims. (Cl. 179—15)



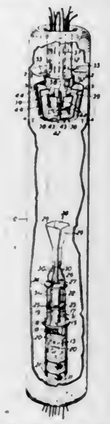
1. Signal translating apparatus comprising a plurality of spaced secondary electron emissive surfaces, a collector electrode in electron receiving relation with each of said surfaces, means for energizing said surfaces in sequence whereby flow of secondary electron currents therefrom is established, and means for modulating the secondary electron current from each of said surfaces independently of all the other secondary electron currents.

2,250,529

SIGNAL TRANSLATING APPARATUS

Frank Gray, New York, N. Y., and John B. Johnson, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 11, 1939, Serial No. 255,899
12 Claims. (Cl. 250—152)



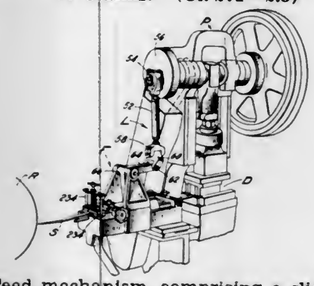
1 Signal translating apparatus comprising means for producing an electron beam, a plurality of similar, secondary electron emissive targets each target being of varying width from the beam axis outwardly, a single collector electrode in cooperative relation with all of said targets, means for deflecting said electron beam to impinge upon said targets in sequence, and means for controlling the secondary electron current from each of said targets including means for deflecting the electron beam in directions substantially normal to the width of said targets.

2,250,530

FEED MECHANISM

Frederick Hafecost, Hopatcong, N. J., assignor to The Fred Goat Co., Inc., Brooklyn, N. Y., a corporation of New York

Application April 21, 1938, Serial No. 203,313
16 Claims. (Cl. 271—2.5)



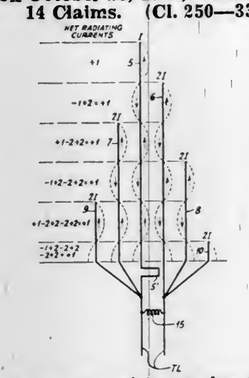
1. Feed mechanism, comprising a slide assembly with gripper jaws, a single linkage connected to the gripper jaws for first moving the gripper jaws and then reciprocating said slide assembly and gripper jaws in order to feed the stock, and positive stop means on opposite sides of the slide assembly for positively limiting the motion of the slide assembly and consequently the extent of feed, said linkage including excess motion absorbing means whereby the motion applied to the linkage exceeds that needed to produce the desired feed determined by the aforesaid stops.

2,250,531

ANTENNA

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 26, 1938, Serial No. 237,020
14 Claims. (Cl. 250—33)



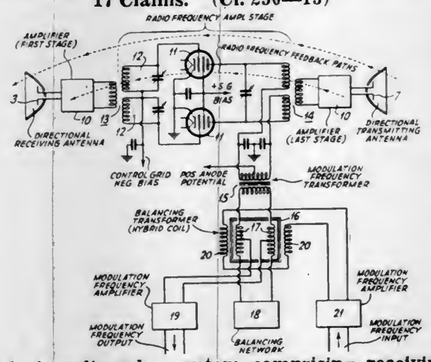
1. An antenna comprising a plurality of closely spaced parallel conductors of lengths varying by a half the length of the operating wave and means for energizing said conductors so that the current in the end half wave portions are in phase, the intensity of energization of the longest of said conductors being a half that of each of the others.

2,250,532

RADIO RELAYING SYSTEM

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 29, 1938, Serial No. 237,627
17 Claims. (Cl. 250—15)



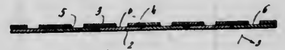
1. A radio relay system comprising receiving and transmitting antennae, a self-oscillating radio frequency amplifier, means for maintaining the oscillations of said amplifier in synchronism with a frequency-modulated wave collected by the receiving antenna, and means for applying the output power from said amplifier to said transmitting antenna.

2,250,533

METHOD OF MAKING RINGS FOR PACKAGES

Roy E. Hanson, Wauwatosa, Wis., assignor, by mesne assignments, to Marshall & Ilsley Bank, Milwaukee, Wis., a Wisconsin bank

Application April 22, 1938, Serial No. 203,616
1 Claim. (Cl. 154—40)



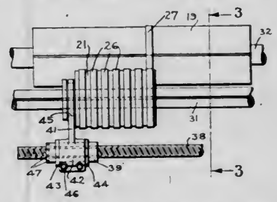
The method of producing composite material adapted to be formed into rings to be engaged upon and secure a cover sheet to a plate or support to form a package, which consists in providing a web of relatively stiff though bendable cardboard material and while continuously feeding said web longitudinally slitting and separating said web into a series of webs of equal width, continuously feeding a second series of webs of relatively stiff though bendable cardboard material of less width than the first series of webs and simultaneously longitudinally slitting and separating each of said second series of webs into a pair of webs of a width less than one-half the width of the first series of webs, and while continuously feeding said second series of webs applying adhesive to a face thereof and juxtaposing the adhesive carrying face of said second series of webs to a face of the first series of webs to extend longitudinally thereof with an edge extending substantially parallel to an edge of the first series of webs and producing a plurality of webs having a groove extending lengthwise of a face thereof, and subjecting the united webs to pressure to intimately unite the same.

2,250,534

PRINTING MACHINE

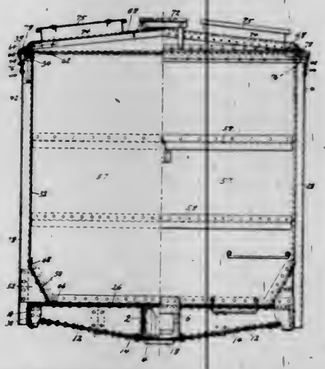
Gilbert H. Higgins, Mountain Lakes, N. J., and Walter S. Edwards, New Haven, Conn., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application February 19, 1938, Serial No. 191,352
19 Claims. (Cl. 101—92)



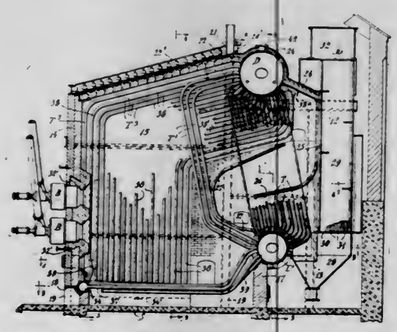
1. In a web printing machine, an imprinting mechanism including, a form cylinder carrying a plurality of forms axially spaced apart along its periphery, an impression cylinder having an impression surface adapted to cooperate with one of said forms, said cylinders being substantially of the same diameter, means to rotate said cylinders in unison and at substantially the same speed, means to axially move said form cylinder with respect to the impression cylinder to bring the several forms selectively into engagement with the said impression surface, and means adjustable in accordance with the number of products to be printed by a selected form, to control the cylinder moving means.

2,250,535
COVERED CONVERTIBLE FREIGHT CAR
Adolph Kassler, New York, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application December 29, 1938, Serial No. 248,168
10 Claims. (Cl. 105—377)



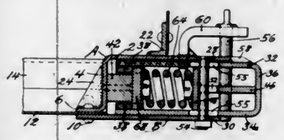
1. In a railway gondola car the combination of a metal underframe including cross members and side sills, a floor attached to said cross members and side sills, side posts attached to said side sills and positioned substantially at right angles thereto, side wall sheets attached to said side posts and having the lower edges thereof terminating in spaced relation to said floor, bracing means connecting said lower edges of said side wall sheets to said floor inwardly of the side sills, and additional transversely extending braces connecting said first named bracing means to said posts, said first named bracing means extending from end to end of the car thereby closing the space between said lower edges of the side wall sheets and floor and acting in conjunction with said additional bracing means to maintain the side walls substantially in right angular relation to said underframe.

2,250,536
STEAM GENERATING APPARATUS
Joseph E. Kennedy, New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y., a corporation of Delaware
Application June 10, 1938, Serial No. 212,926
16 Claims. (Cl. 122—336)



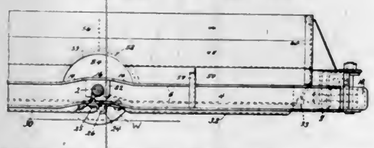
9. In a steam generating unit, a furnace having upright front and side walls, an upper drum, a lower drum and a bank of tubes connecting said drums in water circulation at the rear of the furnace, a header extending transversely of the lower portion of the front furnace wall, tubes connected in a horizontal spaced row to said header and the lower drum, strips of refractory material supported on said tubes in laterally spaced relation and arranging the furnace with a water cooled screen bottom, and a row of riser tubes connected at the ends in openings spaced longitudinally of said header and upper drum arranged in parallelly spaced relation to the front wall and top of the furnace.

2,250,537
SPRING DRAWHEAD AND BUFFER
Robert C. Kepner, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 18, 1938, Serial No. 219,734
12 Claims. (Cl. 213—9)



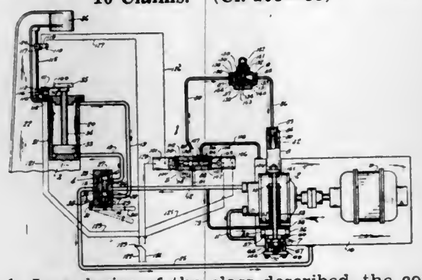
1. A spring bumper for a vehicle comprising in combination, a transverse housing secured to the vehicle and having an opening directed outward the end of the vehicle, a bumper member slidable longitudinally of the vehicle and enclosed in part by said housing, resilient means resisting the longitudinal sliding of the bumper member, and bumper reinforcing means extending laterally substantially the width of said bumper and stiffening substantially the entire central portion thereof and transferring buffing shocks therefrom to said resilient means, said bumper reinforcing means being free of attachment to said bumper and effective only during application of buffing forces.

2,250,538
HIGH CAPACITY DROP BOTTOM CAR
Robert C. Kepner, Bloomsburg, and Robert A. Shields, Berwick, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 29, 1939, Serial No. 264,730
15 Claims. (Cl. 105—364)



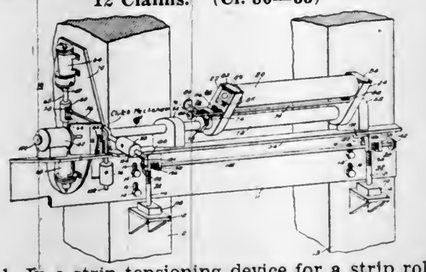
1. A self clearing drop bottom car comprising in combination, spaced apart side sills, a plurality of drop bottom doors substantially closing the space between the side sills, and side lading bottoms located outwardly of the side sills and connected thereto, said side lading bottoms being formed of inner and outer longitudinally extending lading supporting bottom portions, the outer portion being located at an angle to the horizontal greater than the inner portion, said portions being so formed and arranged as to give the maximum lading capacity possible with complete gravity discharge through the space between the side sills when the drop bottom doors are opened.

2,250,539
HYDRAULIC CONTROL DEVICE
Henry W. Landenberger, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 15, 1938, Serial No. 195,967
10 Claims. (Cl. 103—38)



1. In a device of the class described, the combination of a variable stroke pump, control means including manually adjustable pressure means for placing said pump on stroke, means connected to the pressure side of said pump and operating in opposition to said pressure means for returning said pump to leakage stroke position when the pressure acting thereon exceeds that of said pressure means, and power means operable upon said pressure means for changing the initial adjustment of the latter whereby said pump is maintained on stroke at a different predetermined pressure.

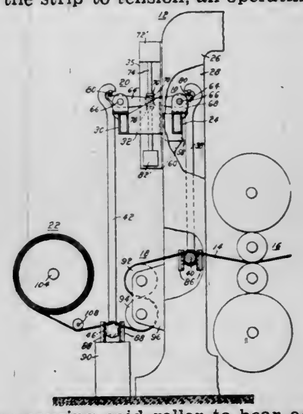
2,250,540
TENSIONING DEVICE
Gerhard P. Lessmann, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1939, Serial No. 252,934
12 Claims. (Cl. 80—35)



1. In a strip tensioning device for a strip rolling mill, a pivotally mounted lever, a bearing member mounted on one arm of said lever, means for applying a force to the other arm of said lever to cause said bearing member to transmit a transverse force to the strip to thereby deflect the strip and subject it to tension, and means for selectively varying the angular displacement between said lever arms to thereby vary the tension-deflection characteristics of the tensioning device.

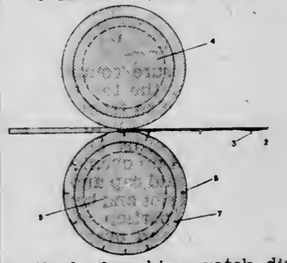
2,250,541
TENSIONING DEVICE
Gerhard P. Lessmann, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1938, Serial No. 237,456
12 Claims. (Cl. 80—35)

1. In a tensioning device for a strip rolling mill, a tensioning roller disposed to bear against the strip as it passes through the mill to deflect the strip from its normal pass line and thus subject the strip to tension, an operating mecha-



nism for causing said roller to bear against the strip, means mounting said operating mechanism on the mill housing above and substantially spaced from the strip, and link means operatively connecting said operating mechanism with said tensioning roller.

2,250,542
MACHINE AND METHOD FOR FORMING PROJECTIONS ON METAL STOCK
Alvin Lodge, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application September 23, 1937, Serial No. 165,380
6 Claims. (Cl. 29—1)

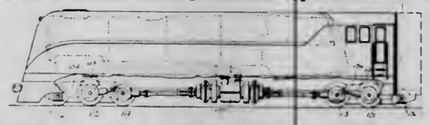


1. The method of making watch dials which comprises subjecting thin metal stock to a rolling operation which forms rudimentary projections and reenforcing areas, cutting the stock into individual blanks, and subjecting the blanks to a swaging operation which forms the projections into feet.

2,250,543
SELF-PROPELLED RAIL VEHICLE
Alf Lysholm, Stockholm, and Erik Otto Eriksson, Lidingo, Sweden, assignors to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a corporation of Sweden
Application June 6, 1938, Serial No. 212,044
In Great Britain June 7, 1937
4 Claims. (Cl. 105—38)

1. In a locomotive, a frame, two spaced articulated trucks for supporting said frame, each of said trucks having at least two driving axles, an elastic fluid turbine, primary reduction gearing driven by said turbine, said primary reduction gearing comprising a set of reduction gears located at each end of the turbine, each of said

sets comprising a pinion secured to an end of the turbine shaft and a pair of reduction gears each meshing with said pinion, secondary reduction gearing comprising two pairs of torque multiplying variable speed hydraulic torque converters with the respective converters of each pair directly connected to the pairs of reduction gears, said converters being continuously filled with working liquid during normal operation of the



vehicle and transmitting power continuously through said liquid at all loads and speeds within the normal operating range of the vehicle, said turbine, said primary gearing and said secondary gearing constituting a power unit carried by the frame between said trucks with the converters extending axially at the opposite ends of the unit, and a plurality of generally longitudinally extending articulated shaft conections for transmitting power from each converter independently to a different driving axle.

2,250,544
RECEPTACLE CLOSURE
Augustus L. Merolle, Brooklyn, N. Y., assignor to Empire Metal Cap Co. Inc., Brooklyn, N. Y., a corporation of New York
Application December 8, 1937, Serial No. 178,708
2 Claims. (Cl. 215—46)



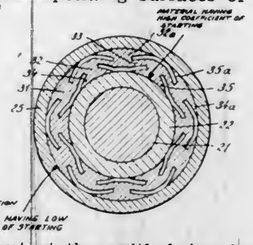
2. A container closure comprising a metallic cap having a slot in the top thereof, a portion of said top being inclined from the outer peripheral edge thereof inwardly to one edge of said slot to form an outwardly opening channel for receiving a portion of an opening lever, a sealing disc inserted within said cap and an opening lever passing through said slot and bent where it passes through said slot, a portion of said lever lying within said channel and overlying the top wall of said cap.

2,250,545
LUBRICATING COMPOSITION
Louis A. Mikeska, Westfield, and Eugene Lieber, Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 19, 1938, Serial No. 235,778
8 Claims. (Cl. 252—46)

1. A lubricating composition comprising a mineral lubricating oil and 0.01 to 10% of a soluble organic xanthogen tetrasulfide.

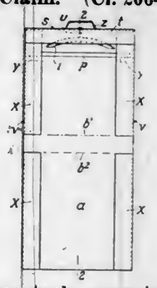
2,250,546
BEARING
Anthony George Maldon Michell and August John Seggel, Melbourne, New South Wales, Australia
Application September 8, 1937, Serial No. 162,834
In Australia September 10, 1936
10 Claims. (Cl. 308—73)

10. In a journal bearing, tilting pad elements interposed between moving and stationary members of the bearing so arranged as to be circumferentially rotatable in relation to each of said members and to make lubricated sliding contact therewith, the surfaces of the said moving member and the corresponding surfaces of the pad



elements in contact therewith being in part at least more steeply inclined towards the axis than the surfaces of the said stationary member and the surfaces of the pad elements corresponding thereto.

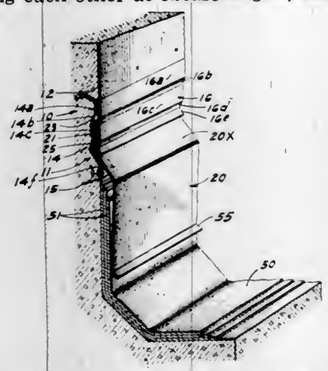
2,250,547
RECEPTACLE PARTICULARLY ADAPTED FOR CARRYING ARTICLES OF CLOTHING
Siegfried Meyer, Berlin, Germany
Application May 20, 1937, Serial No. 143,735
In Germany May 23, 1936
1 Claim. (Cl. 206—7)



A garment receptacle comprising an elongated substantially one-piece blank having fold lines defining bottom, side and end walls of said receptacle, one end of said blank being folded as to form the upper end of said receptacle, means for supporting a garment located at the upper end of said blank, said garment supporting means comprising a separate garment shoulder hanger support, and a rigid rod member having free lateral ends and adapted to support therebetween said garment in folded condition, lateral means secured to said end walls and spaced from said upper end of said receptacle, said lateral means extending substantially horizontally of the depth of said receptacle, said free ends of said rod member being freely and removably engageable with said lateral means and at a location along said lateral means, said location being determinable by the thickness of said folded garment, said shoulder hanger support being located within the space above said rod and said upper end and being supported substantially centrally of said receptacle, said rod and said shoulder hanger support being positioned substantially in the same plane.

2,250,548
ROOF FLASHING
William H. C. Ness, Los Angeles, Calif.
Application August 16, 1940, Serial No. 352,893
7 Claims. (Cl. 108—26)

1. A reglet having a flanged back portion for embedding in a wall, said reglet being provided with an apron depending from the embeddable portion thereof, said apron being provided with vertically spaced backwardly deflected portions joining each other at obtuse angles, and a counterflashing having deflected portions to match, underlie and interlock with said deflected portions of said reglet, said counterflashing being upwardly insertable behind said apron into its interlocked relation thereto.

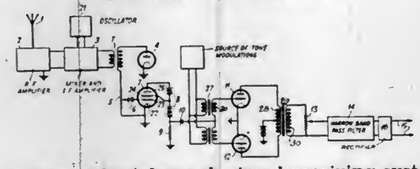


2,250,549
BELT CONNECTOR
Harry F. Omer, Kansas City, Kans.
Application February 19, 1940, Serial No. 319,706
8 Claims. (Cl. 24—33)



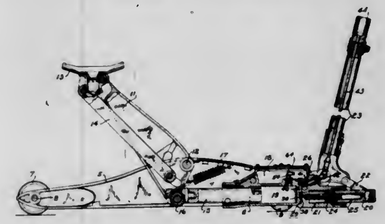
8. A connector for the ends of belts comprising a pair of clamps in spaced relation, secured to the belt ends respectively; and a built-up, flexible connecting member joining the clamps, said connecting member comprising a plurality of fabric strands each encased in resilient binding material, said binding material serving to maintain the members in a unitary condition, said connecting member having a tooth secured thereto between the ends thereof.

2,250,550
INTERFERENCE SUPPRESSOR FOR RADIO RECEIVERS
Harold Olaf Peterson and R. Lee Hollingsworth, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application November 29, 1938, Serial No. 242,878
4 Claims. (Cl. 250—8)



1. In a radio telegraph signal receiving system, the method of suppressing the effects of short bursts of static and other momentary interference phenomena which accompany the reception of useful radiant signal energy, which method comprises heterodyning said radiant energy with local oscillations to produce an intermediate frequency wave, rectifying said wave, producing a substantially square mark-and-space signal wave which is a limited derivative of the rectified wave, locally generating a tone frequency potential, keying said potential under control of said square wave, and filtering the keyed tone frequency potential in such manner as to suppress an initial cycle thereof which occurs at the front edge of a marking element of said signal wave, and also to suppress the effects of a momentary burst of static received during a spacing element of said signal wave.

2,250,551
PUMP FOR HYDRAULIC JACKS
Edward M. Pfauser, Elm Grove, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application July 1, 1938, Serial No. 216,909
7 Claims. (Cl. 103—42)



1. In combination, a large displacement pump, a small displacement pump, means for simultaneously operating said pumps, means forming a space for receiving fluid from both pumps, a fluid supply reservoir, an unloading valve interposed between said reservoir and the displacement chamber of said large pump, said valve being operable directly by excessive pressure in said chamber to permit escape of fluid to said reservoir, and a plunger operable by pressure in said space to open said valve.

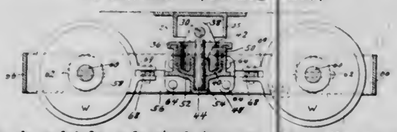
2,250,552
PROCESS FOR THE PRODUCTION OF TIN OXIDE
Ákos Pintér, Budapest, Hungary
No Drawing. Application June 8, 1939, Serial No. 278,080. In Hungary June 30, 1938
3 Claims. (Cl. 23—144)

1. Process of producing substantially pure stannic oxide comprising the steps of reacting in a reaction chamber substantially pure metallic tin with sulphur vapor while maintaining in said vessel a quantity of sulphur vapor in excess of that reacting with said metallic tin, converting thereby said metallic tin without residue into tin sulphide vapor, and oxidizing thereafter said tin sulphide vapor in air in a separate reaction chamber to substantially pure stannic oxide, thus causing complete conversion of the metallic tin used into stannic oxide.

2,250,553
MEDICINAL PREPARATION
Simon L. Ruskin, New York, N. Y.
No Drawing. Application April 18, 1938, Serial No. 202,676
15 Claims. (Cl. 167—68)

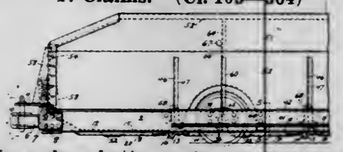
1. A therapeutic preparation comprising an isotonic solution of a sodium glutathione compound of an element of group Vb of the periodic system.

2,250,554
INDEPENDENT TRUCK ASSEMBLY FOR VEHICLES
Ernest R. Schroeder, Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application May 17, 1939, Serial No. 274,140
14 Claims. (Cl. 105—179)



3. A vehicle adapted to run on rails and including in combination, a body frame, a supporting bearing member located adjacent the side of the vehicle and substantially above the rail at that side of the vehicle, bearing means carried by said body frame at the sides thereof and rotatably connecting said supporting bearing member and vehicle frame, a truck associated with said supporting bearing member and including a truck frame located wholly beneath a horizontal plane through said bearing means, wheels supporting the frame, a truck center bearing carried by said frame between the wheels, and a center pin rotatably connecting said center bearing and supporting member, said rotatable connections permitting movement of the truck transversely of the rail and in the plane of the rail.

2,250,555
DROP BOTTOM MINE CAR
Ernest R. Schroeder, Hawthorne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application January 4, 1939, Serial No. 249,229
17 Claims. (Cl. 105—364)

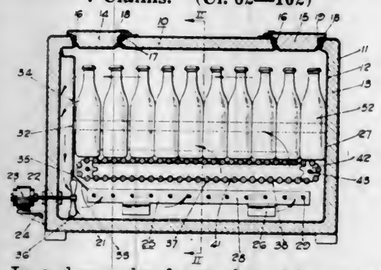


1. In a drop bottom mine or similar rail car the combination of spaced apart inverted bulb angle auxiliary sills, spaced upright bulb angle center sills located intermediate said auxiliary sills and having the flanges thereof directed toward the side of the car to provide an unobstructed space between the center sill webs, side floors carried by said sills and having the inner edges thereof secured to the bulb portions of said center sills, a plurality of drop bottom doors filling the space between the center sill webs and hingedly carried by the lower flanges thereof on axes extending transversely of the car, spaced bearing members secured to adjacent web portions of said auxiliary sills and center sills, a plurality of wheels intermediate said bearings, and stub axles supported by said wheels and in turn supporting said bearing members.

2,250,556
ELECTRODEPOSITION OF COPPER AND BATH THEREFOR
Jesse E. Stareck, Oakville, Conn., assignor to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application November 26, 1940, Serial No. 367,235
9 Claims. (Cl. 204—52)

1. An aqueous bath for the electrodeposition of copper containing a copper pyrophosphate complex in which complex the pyrophosphate and copper are in the molecular weight ratio of 2 to 1, and having a pH between 7.5 and 9.5.

2,250,557
COOLER FOR BOTTLED BEVERAGES
Robert H. Tull, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 5, 1938, Serial No. 239,003
7 Claims. (Cl. 62—102)



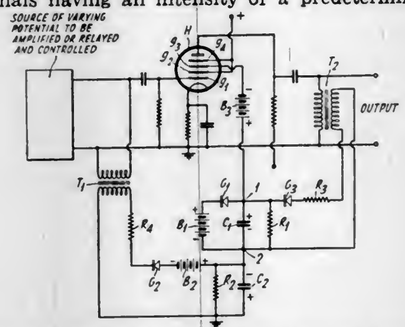
1. In a dry cooler for packaged beverages and the like, the combination of an insulated cabinet having side, top, and bottom walls, a substantially flat cooling unit in said cabinet and near, but spaced from the bottom thereof, said cooling unit having air passages, an air baffle near one end of said cooling unit, a motor-driven fan near said baffle for blowing the air in said cabinet underneath said cooling unit and along and through the air passages thereof, the air passing generally upward and through said cabinet and around said baffle to return to said fan, and means for conveying packaged beverages and the like over said cooling unit from the baffle to the end of the cooling unit opposite said baffle, and openings in a wall of said cabinet for placing said packages on the end of said conveying means near the baffle and for removing said packages from the other end of said conveying means.

2,250,558
CONVERSION OF TERTIARY ACETYLENIC ALCOHOLS
Thomas H. Vaughn, Niagara Falls, N. Y., assignor to Union Carbide and Carbon Research Laboratories, Inc., a corporation of New York
No Drawing. Application July 8, 1937, Serial No. 152,530
2 Claims. (Cl. 260—678)

1. Process for producing an alkyl vinyl acetylene resistant to polymerization, which comprises heating a monohydric tertiary acetylenic alcohol in the presence of a catalyst adapted to dehydrate the said acetylenic alcohol and form an alkyl vinyl acetylene, thereby removing the elements of water from said alcohol, separating the alkyl vinyl acetylene thus produced, washing the latter with a dilute solution of an alkaline compound, thereby stabilizing the alkyl vinyl acetylene, and separately recovering the thus stabilized alkyl vinyl acetylene.

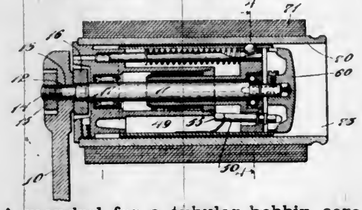
2,250,559
AMPLIFIER GAIN CONTROL CIRCUIT
Heinrich Weber, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 28, 1938, Serial No. 221,750
In Germany July 23, 1937
4 Claims. (Cl. 179—171)

3. In combination with a signal amplifier having input and output circuits, means responsive to signals of an intensity in excess of a predetermined amplitude for increasing the gain of the amplifier at a relatively fast rate, means to prevent operation of said responsive means for signals having an intensity of a predetermined



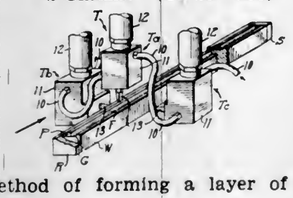
amount higher than said predetermined amplitude, and an auxiliary control means responsive to signals whose intensity exceed an amplitude substantially higher than said predetermined amplitude, for decreasing the amplifier gain at a substantially slower rate than said first rate.

2,250,560
MANDREL FOR BOBBINS
Albert E. Winslow, New London, Conn., assignor to Atwood Machine Company, a corporation of Connecticut
Application December 11, 1940, Serial No. 369,682
6 Claims. (Cl. 242—130)



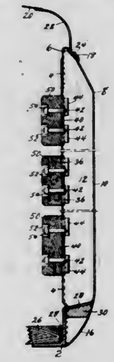
1. A mandrel for a tubular bobbin core comprising an arbor, a member axially slidable relative to said arbor, said member being adapted to receive a tubular bobbin core thereon, and expansible and contractible means to grip and release said core operable in response to said relative axial shifting of said member and arbor, and means operable through the outer end of the core to shift said member relative to said arbor.

2,250,561
METHOD FOR APPLYING METAL LAYERS
William A. Wissler, Niagara Falls, N. Y., assignor to Haynes Stellite Company, a corporation of Indiana
Application January 12, 1939, Serial No. 250,503
2 Claims. (Cl. 29—188)



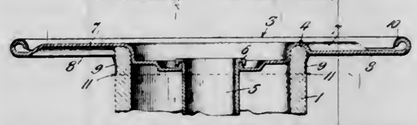
1. Method of forming a layer of protective metal of substantially uniform composition on the surface of a curved metal workpiece which comprises recessing an uppermost surface of the workpiece to receive the protective metal; introducing all of the protective metal in a substantially continuous mass within said recess; preheating the workpiece to a temperature below its melting point, and below the melting point of said protective metal, by directing at least one preheating oxy-acetylene flame against a surface of said workpiece other than that in which the recess is formed; directing a melting flame against the upper surface of the protective metal, but no flame upon said upper surface of the workpiece; and progressively uniting said protective metal to the recessed surface of said workpiece, the preheating operation closely and continuously preceding the melting operation.

2,250,562
SIDE CONSTRUCTION FOR RAILWAY CARS
Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 18, 1938, Serial No. 219,697
9 Claims. (Cl. 105—423)



1. In a railway car, the combination of a side sill, a side plate, a metal sheet connecting said plate and sill and forming the side wall of the car, said sheet having keyhole slots cut therein with the narrow portions of adjacent slots directed toward each other, bolts slidably locked in said slots, and nailing blocks secured to said sheet by said bolts and retaining said bolts locked in the slots.

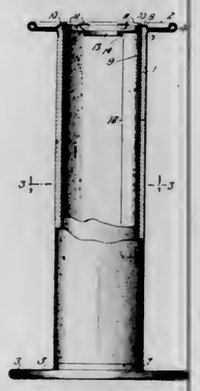
2,250,563
SPOOL
Rawson Atwood, New York, N. Y., assignor to Decorated Metal Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 15, 1939, Serial No. 290,157
11 Claims. (Cl. 242—123)



1. A spool for thread or the like comprising a barrel, an end flange, means fastening the said flange to the said barrel, and a liner covering the joint barrel and flange and comprising a substantially cylindrical portion extending along the barrel from the said joint but not fastened

to said barrel and a second portion extending outwardly from said joint along the said flange and fastened thereto, whereby said cylindrical portion is permitted to follow said flange in any axial movement.

2,250,564
SPOOL
Rawson Atwood, New York, N. Y., assignor to Decorated Metal Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 12, 1940, Serial No. 313,486
4 Claims. (Cl. 242—123)



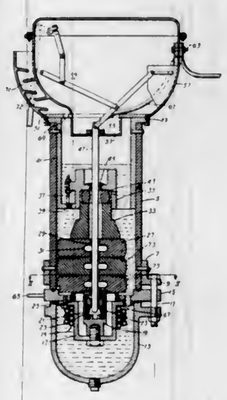
1. In a textile spool, and in combination, a tubular barrel of pasteboard or like material, spool ends for said barrel, a tubular fastening member fitting within the said barrel and attached to said spool ends at points substantially in alinement with the inner surface of said barrel and a relatively thin anti-thread-trapping lining attached to each of the said spool ends and including a collar extending along the barrel from the said spool end and substantially flush therewith.

2,250,565
BUMPER GUARD
Gustave F. Bahr, Bridgeport, Conn., assignor, by mesne assignments, to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York
Application June 27, 1939, Serial No. 281,346
9 Claims. (Cl. 293—55)



1. A device of the type described comprising in combination a bumper; a pair of vertical guard members adapted to be supported by said bumper in spaced relation and extending upwardly therefrom; a plurality of horizontal guard members, the vertical guard members being provided with a plurality of spaced apertures adapted to receive the horizontal guard members whereby the same are supported by the vertical guard members in substantial parallelism with said bumper; and frictional clamping means for releasably clamping the horizontal guard members to said vertical guard members, said means permitting the relative position of all members to be changed so that the design of the device can be changed; said clamping means in each vertical guard member urging the rear surface of at least one of said horizontal guard members into frictional engagement with the sides of said apertures.

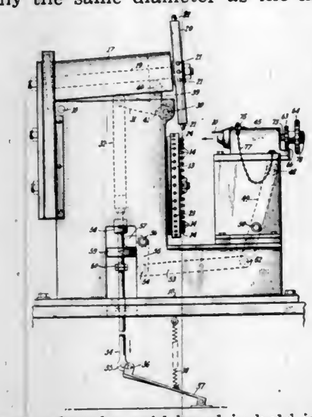
2,250,566
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, and Winthrop M. Leeds, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 24, 1940, Serial No. 315,372
8 Claims. (Cl. 200—150)



1. In a circuit interrupter, relatively movable contact members for opening and closing the circuit, an arc extinguishing device surrounding said contact members comprising means of insulating material defining a side wall member and end members to provide a substantially closed pressure chamber, arc extinguishing liquid in said chamber, means supporting said wall member for relative movement with respect to said end members in response to arcing pressure within said chamber, said wall member separating from one of said end members during said movement to provide a vent opening for said chamber, and means coacting with the other end member and said wall member operative in response to movement of the latter for moving a quantity of arc extinguishing liquid through said pressure chamber towards said vent opening.

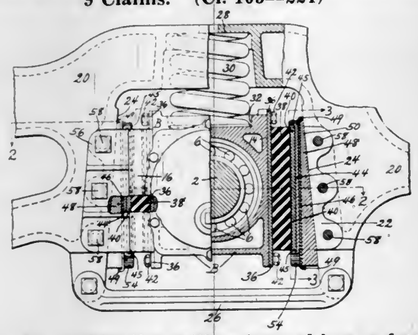
2,250,567
EMBOSSING MACHINE
Harold O. Bates, Cranford, N. J.
Application April 17, 1940, Serial No. 330,052
12 Claims. (Cl. 197—6.4)

9. A device for marking bands comprising a head carrying a plurality of dies, a movable head carrying a plurality of dies, each adapted to mate with one of the dies of said first mentioned head, said heads being rotatable to present any pair of mating dies in working position simultaneously, a chuck for holding a band to be marked and movable from a retracted position to a forward position to present said band to said mating dies, said dies on said stationary head being of substantially the same diameter as the interior of



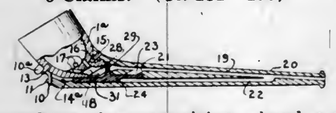
said band, whereby said band is held in position by any of said dies.

2,250,568
ADJUSTABLE JOURNAL BOX MOUNTING
Oscar V. Borup, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application November 14, 1939, Serial No. 304,312
9 Claims. (Cl. 105—224)



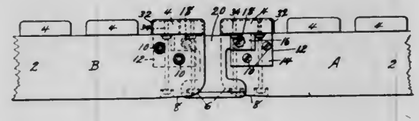
6. In combination with a journal box, a frame receiving the same between spaced pedestal legs formed on the frame, resilient units interposed between the journal box and the pedestal legs, and wedge members acting upon said units to compress the same in the plane of the frame, said resilient units acting in shear to control the vertical movements of said journal box but being bodily movable relative to said wedge members to limit the shear stresses in said resilient units to a value substantially equal to the adhesion between the units and the wedge members.

2,250,569
AIR CONDITIONED AND SANITARY SMOKING PIPE
Alfred E. Brandon, New York, N. Y.
Application January 12, 1940, Serial No. 313,564
6 Claims. (Cl. 131—195)



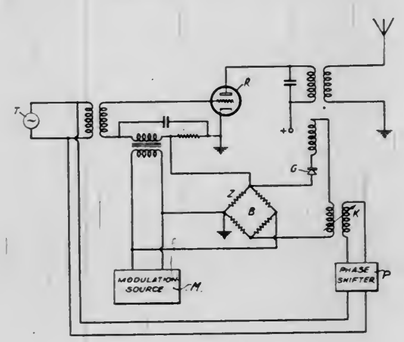
1. A smoking pipe comprising a bowl, a stem, a recess in the bottom end of said bowl, and means provided at one end of said stem to engage said recess and a side portion of said bowl, and latch means to secure against accidental movement of said stem relative to said bowl when said bowl is in engagement with said stem pivotally mounted upon the device, and a plurality of grooves in said bowl and said one end of said stem normally aligning so as to form ducts capable to convey outer air longitudinally and, also, transversely through the connection between said bowl and said stem.

2,250,570
FLOOR RACK HINGE MEANS
Charles D. Brown, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application February 15, 1939, Serial No. 256,593
6 Claims. (Cl. 105—375)



1. Hinging means for floor racks comprising, a pair of aligned floor racks having stringers normally resting on a car floor, hinge butts secured to adjacent floor rack stringers, a hinge element pivotally connected to said hinge butts and provided with a foot portion supporting said hinge element upon said floor, said hinge element being provided with anti-friction means secured to the foot portion and movable along said floor.

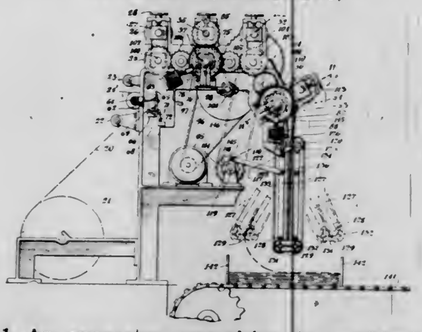
2,250,571
HIGH FREQUENCY TRANSMITTER
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 13, 1939, Serial No. 267,585
In Germany March 26, 1938
4 Claims. (Cl. 179—171.5)



2. In combination, a source of carrier waves, a modulator tube, a source of modulating waves, means for feeding carrier and modulation waves from said sources to said modulator tube, a rectifier, means for feeding modulated wave energy

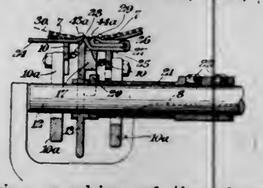
from said modulator tube and means for feeding unmodulated carrier wave energy from said carrier wave source to said rectifier, and means for additionally modulating carrier wave energy from said carrier wave source with the output of said rectifier.

2,250,572
FABRIC TEARING MACHINE
Donald A. Cumfer, Ridgewood, N. J., assignor of one-half to Ralph W. B. Reade, Port Washington, N. Y.
Application May 18, 1940, Serial No. 335,942
16 Claims. (Cl. 164—84.5)



1. An apparatus comprising in combination driven rollers for drawing a longitudinally folded web of woven fabric from a source of supply, a knife operable to cut the fabric at its folded longitudinal edge to initiate a tear, a measuring roller driven by the moving web, knife operating devices controlled by said measuring roller for actuating the knife at regularly timed intervals for the purpose stated, and tearing devices operated in a timed relation with the knife operating devices for tearing the fabric the full width starting with each knife cut.

2,250,573
SEWING MACHINE CONSTRUCTION
Philip C. Dearborn, New York, N. Y., assignor to American Blind Stitch Machine Co., New York, N. Y., a corporation of New York
Application July 21, 1939, Serial No. 285,657
6 Claims. (Cl. 112—178)



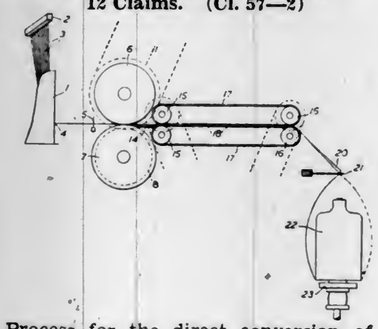
1. A sewing machine of the class described including a needle mounted to operate in a path transverse to the line of stitch, a presser foot and a work supporting shoe underneath the same, an angularly movable ridge-forming member mounted beneath said presser foot and having an upper work engaging portion, an angularly movable auxiliary work supporting member positioned at one side of said ridge-forming member and also having an upper work engaging portion positioned to move angularly in a path of lesser radius than the work engaging portion of said ridge-forming member, and mechanism adjustable to position said auxiliary work supporting member selectively in various settings wherein its work engaging portion is confined in position to correspondingly different levels below the work engaging portion of said ridge-forming member, the work engaging portion of said auxiliary work supporting member, in various settings thereof as aforesaid, being constructed and arranged to provide a shelf positioned at various levels below the upper work engaging portion of said ridge-forming member.

2,250,574
EXPLOSIVE ROTARY JAR FOR DEEP WELL EQUIPMENT
Eugene W. Dodge, Shafter, Calif., assignor of twenty-five per cent to Thomas Tilden Vaughn, Shafter, Calif.
Application March 1, 1939, Serial No. 259,152
26 Claims. (Cl. 255—27)



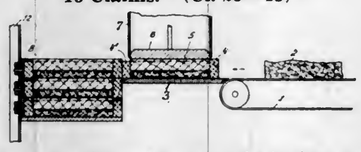
19. In a well tool having a structure to engage a tool to be pulled and a pulling structure extending to the upper part of the well, there being an intermediate chamber structure adapted to contain a liquid, said chamber having means to receive an explosive, means providing for the explosion of the explosive, there being a passage for the downflow of liquid from the chamber due to the expulsion of liquid by the explosive action whereby such liquid may loosen the tool to be pulled from the well.

2,250,575
TEXTILE MATERIAL AND THE PRODUCTION THEREOF
Henry Dreyfus, London, England
Application May 2, 1939, Serial No. 271,243
In Great Britain May 10, 1938
12 Claims. (Cl. 57—2)



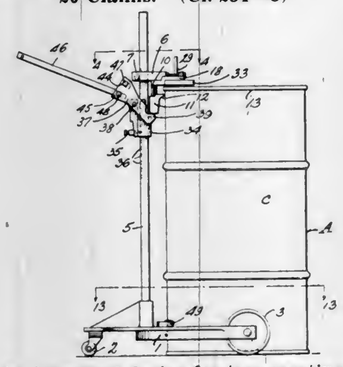
1. Process for the direct conversion of continuous filaments into a continuous staple fibre product, which comprises leading a plurality of continuous filaments in the form of a band, in which the filaments are separated, into the nip of a pair of contacting travelling surfaces, cutting each filament separately while it is travelling through the nip of said surfaces, the cutting points in the plurality of filaments being distributed lengthwise of the filaments so that the end of a fibre produced by cutting one filament is displaced in the lengthwise direction of the filaments from that of a fibre produced from a neighbouring filament and the ends of all the fibres produced by cutting one section of the plurality of filaments are substantially uniformly distributed wtih respect to each other in the lengthwise direction of the fibres, and compacting and twisting the fibres into a continuous coherent product.

2,250,576
PROCESS AND APPARATUS FOR THE MANUFACTURE OF PROFILED BRICKS
Viktor Ehrenhaft, Brunn, Moravia
Application August 19, 1939, Serial No. 290,986
In Czechoslovakia July 13, 1938
15 Claims. (Cl. 25—45)



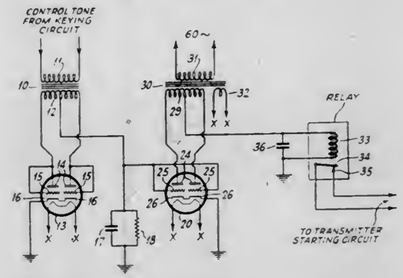
9. In a machine for manufacturing profiled bricks of a material which after compression tends to increase its volume, in combination, a press, a pressing form cooperating with said press, a piling-up device arranged alongside of said pressing form, a mechanism for step-by-step displacement of said piling-up device, and transferring means combined with said pressing form and said piling-up device, being adapted to transfer said pressing form together with the pressed profiled bricks into said piling-up device, said transferring means being arranged in such a manner as to prevent swelling of the freshly pressed profiled brick beyond the volume desired for the finished bricks.

2,250,577
CONTAINER HANDLING DEVICE
Charles F. Ernst, Buffalo, N. Y.
Application July 30, 1940, Serial No. 348,334
20 Claims. (Cl. 254—8)



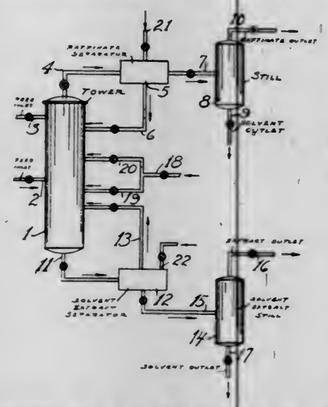
11. An improved device for transporting somewhat barrel-like rigid containers of the type having an upright peripheral wall with a peripheral upstanding flange at its upper end and an outwardly and downwardly facing peripheral shoulder at a point below said flange, which comprises a base formed to receive and partially embrace a container to be transported, said base having a roller support and an upstanding frame, means mounted on said frame for vertical movement thereon and operable for engaging and lifting a container with which said base may be in embracing relation, said means having a lifting abutment, a lever pivotally mounted on said frame separately from said container engaging means, but engageable beneath said abutment to lift it and through it lift and hold lifted said container engaging means and any container engaged thereby, means for latching the lever in a position which it occupies when a container is lifted thereby, said lever having a pair of sockets at its free end opening approximately radially and outwardly from its pivoted axis, the axes of such sockets making an acute angle to one another, and a handle removably and releasably secured alternately in said sockets, whereby said handle may be first placed in one of said sockets while the lever is being rotated to lift a container, whereby after the lever has been rotated to lift a container and has been latched, said handle may be removed from said one socket and placed in the other of said sockets so as to project more nearly horizontally from the frame and thereby be more easily grasped as a handle to draw said base and standard with any container supported thereby, across the floor to any new location.

2,250,578
TRANSMITTER CONTROL CIRCUIT
James L. Finch, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 18, 1939, Serial No. 305,107
6 Claims. (Cl. 250—17)

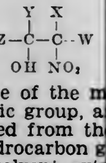


1. A transmitter control device comprising a rectifier, means for applying wave energy to said rectifier, means for storing rectified wave energy connected to said rectifier, a second rectifier having a control means connected to said storage means whereby said second rectifier is biassed to an inoperative condition by a predetermined amount of said stored energy, a source of alternating current and a relay having a winding connected in series with said source of alternating current and said second rectifier, said relay having a pair of normally closed back contacts in a control circuit adapted to energize said transmitter whereby said transmitter is operative as long as at least said predetermined amount of stored energy is maintained.

2,250,579
SOLVENT EXTRACTION PROCESS
Bruce G. Gillespie, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 14, 1939, Serial No. 294,798
5 Claims. (Cl. 196—13)

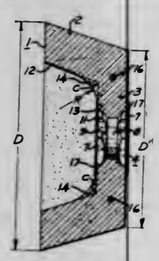


1. Process for the segregation of petroleum oils into their relatively more aromatic and into their relatively more paraffinic constituents comprising contacting said petroleum oils with a solvent, selected from the class of solvents which are characterized by the following structural formula:



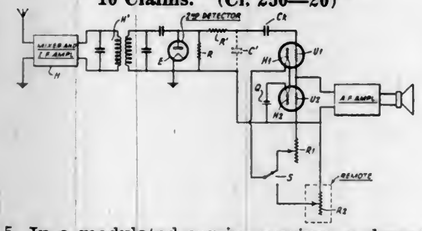
wherein at least one of the members W, X, Y, and Z is an aromatic group, and the remaining members are selected from the class consisting of hydrogen and hydrocarbon groups, under conditions to form a solvent extract phase and a raffinate phase, separating the respective phases and recovering the solvent therefrom.

2,250,580
GRINDING WHEEL
Marion J. Gregory, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application December 26, 1939, Serial No. 310,917
7 Claims. (Cl. 51—209)



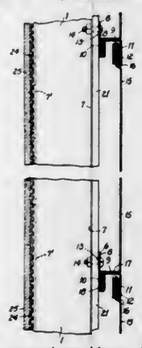
1. A cup-type grinding wheel comprising a radially extending wall, an annular rim about and projecting in an axial direction from said wall, and a hard metal integral hub member having internal screw threads for connection to an arbor, embedded in and integrally molded with said wall; said hub member having relatively widely spaced apart radially extending preformed end flanges which are peripherally recessed and which have their outer faces substantially flush with the faces of said wall, material of said wall being packed in said recesses and the spacing between said flanges forming a relatively wide annular groove in which material of said wall is also packed.

2,250,581
RECEIVER VOLUME CONTROL
Curt Heinecke, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany
Application September 26, 1939, Serial No. 296,589
In Germany October 21, 1938
10 Claims. (Cl. 250—20)



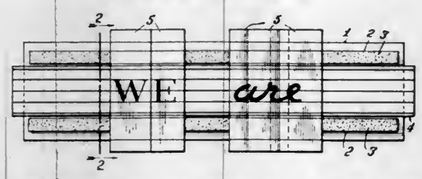
5. In a modulated carrier receiver, a demodulator having carrier input terminals and modulation voltage output terminals, a modulation voltage network having input terminals, a volume control device comprising a resistive path connected to said output terminals, said network input terminals being connected across a portion of the path, said portion and at least a second portion of the path being temperature-dependent resistive elements and means independent of the signal currents in the circuits of said receiver for regulating the temperatures of said elements.

2,250,582
METALLIC BUILDING CONSTRUCTION
Henry Jentzer, St. Louis, Mo.
Application June 9, 1939, Serial No. 278,272
3 Claims. (Cl. 189—88)



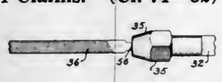
3. In a building construction, the combination of metallic sheathing plates and horizontally disposed retaining strips therefor, each strip having a base flange, a seat element projected upwardly and forwardly therefrom to form a slot between base flange and seat, said slot being coextensive with the flange and the seat and open upwardly, each strip also having a securing flange extending downwardly from the seat in spaced relation with the base flange, said securing flange having a slot formed in it opening downwardly coextensive with the base flange and parallel with and overlying the first slot, said plates each having a ledge resting on the aforesaid seat and a tongue extending downwardly from said ledge disposed in the upwardly open slot, and said plates each having an upwardly extending tongue slightly offset with relation to the balance of the plate, said tongue being disposed in the slot of the securing flange, whereby the strips and the plates collectively form a substantially plane surface.

2,250,583
HOLDER
Edwin W. Krauter, Highland Park, Ill.
Application January 29, 1940, Serial No. 316,157
4 Claims. (Cl. 40—1)



4. A holder assembly comprising a transparent base, strips of adhesive on the base adjacent each side, character bearing strips extending across the adhesive strips and removably held thereby to the base and a guide card positioned between the adhesive strips and beneath the character bearing strips and slidably removable therefrom.

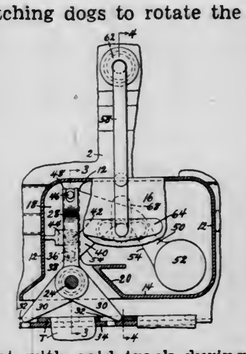
2,250,584
POWER DRIVE FOR TOOLS
Robert F. Krueger and John L. Krueger, Detroit, Mich.
Application April 26, 1940, Serial No. 331,742
4 Claims. (Cl. 74—52)



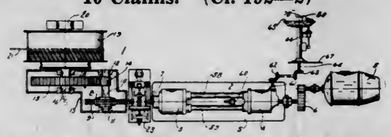
1. In combination, a casing having a fixed central bearing and a fixed rectilinear guide extending approximately equidistant across the axis of said bearing, a rotary shaft journalled in said bearing and having thereon a crank pin which is revolvable about said axis, a gear journalled on said pin and having thereon another crank pin revolvable about the axis of rotation of the gear and movable along said fixed guide, a fixed rack for rotating said gear about its own axis, and a slide reciprocable along said guide by said other crank pin.

2,250,585
SLIDING DOOR LATCH
Henry Kump, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application November 14, 1939, Serial No. 304,287
7 Claims. (Cl. 292—46)

1. Latch mechanism for doors mounted for sliding movement along a track comprising, latching dogs pivotally carried by the door adjacent the track, said latching dogs being substantially L-shaped with their lower portions arranged in downwardly diverging relationship for engagement with said track to prevent sliding movement of the door, and a handle pivotally carried by the door for swinging movement in either direction, said handle being operatively connected to said latching dogs to rotate the same out of engagement with said track during swinging of the handle in either direction.

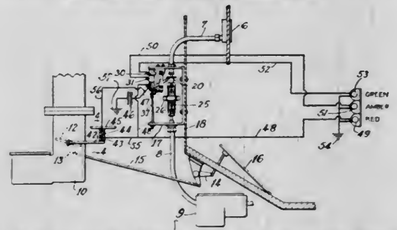


2,250,586
CONTROL MECHANISM FOR WINCHES
Robert C. Lamond, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 3, 1939, Serial No. 302,643
10 Claims. (Cl. 192—2)



1. In a device of the class described, the combination of a winch, a hydraulic transmission for actuating said winch, control means for said transmission for controlling the operation thereof in either direction, a brake for normally preventing operation of said transmission, locking means for said control means, and means for releasing said locking means and brake, thereby conditioning said transmission for operation.

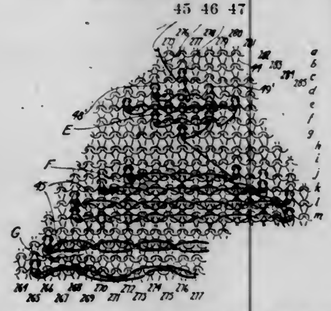
2,250,587
SIGNAL
Ernest E. Larson, Inglewood, Calif.
Application June 20, 1938, Serial No. 214,674
3 Claims. (Cl. 177—311.5)



1. A signaling system for automotive vehicles, comprising means driven by the vehicle proportionate to the speed of the vehicle, a plurality of different signal lights, circuits for the lights, contacts in the circuits, movable contact means to selectively engage said contacts and thereby close the circuits selectively, a switch connected in parallel with the contact in the circuit of one of the lights and with the movable contact means, which denotes a predetermined speed range, said first mentioned means being connected to cause the movable contact to engage the contact in said circuit when the vehicle is traveling within said

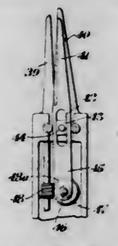
speed range, accelerator means for the vehicle, and mechanism connected with the accelerator means to close the switch when there is a change in the accelerator means, irrespective of the speed of the vehicle, to denote the speed of the vehicle and its expectant change of speed simultaneously.

2,250,588
KNITTED FABRIC
Vincent Lombardi, Garden City, N. Y., assignor to Lombardi Knitting Machine Co., Inc., New York, N. Y., a corporation of New York
Application June 23, 1939, Serial No. 280,705
7 Claims. (Cl. 66—201)



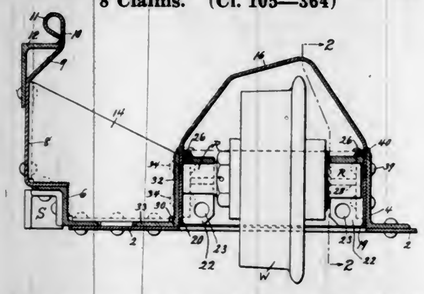
1. A knitted fabric comprising a multiplicity of courses of knitted yarn, and other yarn extending back-and-forth in a portion of the fabric to provide a plurality of forward and return conformations, each of a plurality of said conformations being laid into the fabric in a single course.

2,250,589
CUTTING DEVICE
Dominic J. Lo Piccolo, Brooklyn, N. Y.
Application October 16, 1939, Serial No. 299,675
2 Claims. (Cl. 30—247)



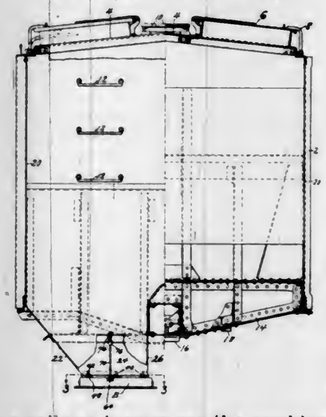
1. A cutting device of the class described comprising a hollow casing adapted for manual grasping, a stationary blade member affixed to the casing, a cooperable movable blade member, a pivotal mounting for the movable member associated with the casing, said movable member containing a slotted portion adjacent said mounting, a guiding block rotatably mounted over said pivotal mounting and in slidable engagement with said slotted portion, an eccentric shaft extending transversely with respect to said movable blade and rotatably mounted upon the walls of said casing, an eccentric on said shaft rotatably engageable with said movable member for imparting thereto a rocking movement and a longitudinal sliding movement with respect to said block, and driving means operatively associated with said eccentric shaft.

2,250,590
MINE CAR
Wilbur E. Lunger and Herman H. Pancake, Huntington, W. Va., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 6, 1937, Serial No. 152,186
8 Claims. (Cl. 105—364)



1. In a mine car, a sill, a side wall spaced outwardly from the sill, a floor extending between the sill and side wall and formed with a wheel receiving opening, a plate metal wheel hood member over said opening provided with side and end attaching flanges, one of said side flanges lapping and being secured to said sill, and means disposed entirely above said floor for securing the remaining flanges of the wheel hood to the floor, said means comprising a rigid element conforming to the end flanges and the other side flange of the wheel hood member with its end portions connected to said sill and provided with an attaching portion resting upon and secured to the floor and another portion lapping and secured to said end flanges and said other side flange.

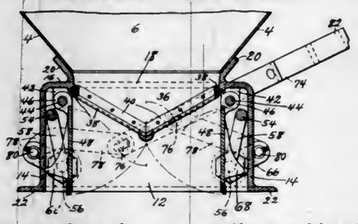
2,250,591
RAILWAY HOPPER CAR OUTLET
John J. McBride, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application December 8, 1938, Serial No. 244,659
13 Claims. (Cl. 105—280)



1. In a railway hopper car the combination of, a hopper door frame secured to the discharge end portion of the hopper and provided with a restricted discharge opening, a hinge element carried by said frame, a door carried by the hinge element and swingable to open or close said opening, and means to shift said door transversely of

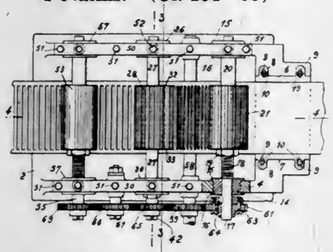
the hinge element toward and away from said frame opening when the plane of the door is substantially parallel to the plane of the frame opening, certain of said means being movable into and out of the path of movement of the free edge of said door.

2,250,592
RAILWAY HOPPER CAR OUTLET
John J. McBride, Bayonne, and Victor Willoughby, Ridgewood, N. J., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application April 18, 1939, Serial No. 268,560
10 Claims. (Cl. 105—247)



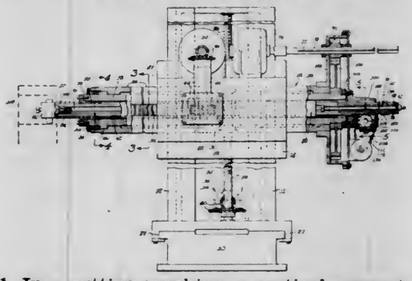
1. In a railway hopper car the combination of a hopper formed in part by metallic sheets converging to provide a hopper discharge opening, a frame secured to the sheets adjacent the said opening, said frame being formed with a top portion having an opening therein registering with said hopper discharge opening and also formed with relatively deep downwardly directed side and end walls spaced laterally outward from the edges of said opening, and doors for closing said opening, said doors being hinged to certain of said walls adjacent the top portion of the frame, said hinges being spaced laterally outward from the edges of the opening whereby the doors will be substantially inclosed at all times by said walls and will not restrict flow of lading through the hopper discharge opening.

2,250,593
METHOD AND MACHINE FOR CUTTING OPENINGS IN METAL RIBBONS OR THE LIKE
Pierre Mesnel, Colombes, France
Application July 18, 1939, Serial No. 285,120
In France June 16, 1939
4 Claims. (Cl. 164—99)



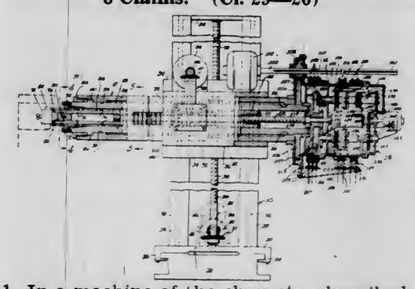
4. A machine for cutting out metal bands or ribbons in order to produce holes or openings therein, which comprises a first pair of cutting wheels for cutting the ribbon, a second pair of cutting wheels consisting of a wheel having operative frontal faces and a special roller provided with cheeks co-operating with said frontal faces which deviate the material cut by the first rollers from the plane of the ribbon operated upon, groove portions in said roller, deflecting fingers lodged in said groove portions, and a third pair consisting of co-operating smooth rollers for restoring the material cut and deviated respectively by the first and second pairs of rollers to the plane of said ribbon.

2,250,594
CUTTING MACHINE
Henry Earl Morton, Muskegon Heights, Mich.
Application September 21, 1939, Serial No. 295,877
7 Claims. (Cl. 29—26)



1. In a cutting machine, a vertical support, an elongated ram non-rotatably carried by said support and movable in the direction of its length relatively to said support, said ram having a longitudinal bore with an elongated arbor residing therewithin, said arbor being longitudinally movable with said ram and rotatable within said bore relatively thereto, said arbor having a longitudinal bore with an elongated spindle residing therewithin, a driving connection associating said spindle with said arbor for rotating said spindle with said arbor within said bore thereof, and means for moving said spindle in the direction of its length independently of the unitary movement of said arbor and said ram in the direction of their lengths.

2,250,595
CUTTING MACHINE
Henry Earl Morton, Muskegon Heights, Mich.
Application December 11, 1939, Serial No. 308,592
8 Claims. (Cl. 29—26)



1. In a machine of the character described, an elongated support having and being movable about an axis of rotation, a second elongated support operable for carrying a tool and carried by said first support for movement unitarily therewith about said axis and relatively thereto along said axis, an elongated screw drive supported in threaded engagement with said second support and normally movable unitarily therewith about said axis, a third support also carried by said first support for movement unitarily therewith about said axis, a driven member car-

ried by said screw drive for movement unitarily therewith about said axis, a driving member carried in continuous engagement with said driven member by said third support for movement normally unitarily with said last mentioned member and support about said axis, and means operatively connected to said driving member for selectively moving the latter relatively to said driven member about an axis spaced from and movable about said first axis, whereby the resulting differential between the movements of said driving and driven members establishes a differential between the movements of said second support and screw drive about said first axis and a movement of said second support relatively to said screw drive along said first axis.

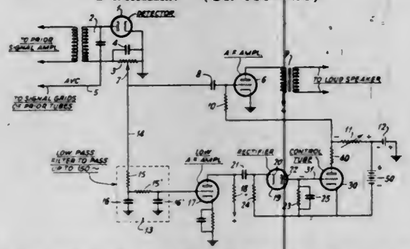
2,250,596

RECEIVER OUTPUT CONTROL CIRCUIT

Garrard Mountjoy, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application July 21, 1939, Serial No. 285,695

4 Claims. (Cl. 250—20)



4. In combination with a source of audio voltage representative alternately of speech and dance music, an amplifier for the voltage, means for normally preventing operation of said amplifier, and auxiliary means, responsive to solely the relatively high amplitude of the very low audio frequencies up to substantially 150 cycles present in music voltage, for disabling said operation-prevention means.

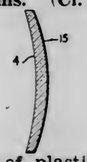
2,250,597

OPHTHALMIC LENS AND METHOD OF MAKING SAME

Harold R. Moulton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application June 14, 1939, Serial No. 279,166

8 Claims. (Cl. 88—54)



1. A lens blank of plastic, transparent, synthetic resinous lens composition having an index of refraction different from that of optical crown glass and a hardness which approaches that of optical crown glass to the extent that like crown glass it may be ground and polished and having on one face an optical surface of a curvature modified by the amount which said material differs in index from optical crown glass so that when combined with an optical surface, on the other side of said blank, formed by abrading tools according to an index of refraction of substantially that of optical crown glass the power resulting from said optical surfaces and the index of refraction of said resinous lens composition will be substantially of the accurate prescription value simulating that resulting from the use of optical crown glass and surfaces formed by abrading tools according to an index of refraction of substantially that of crown glass.

2,250,598

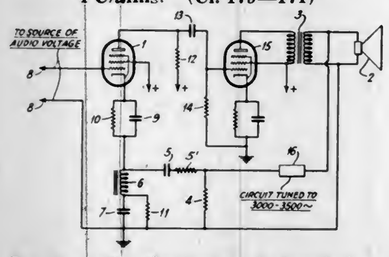
NEGATIVE FEEDBACK AMPLIFIER

Pieter A. Neeteson, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application June 22, 1939, Serial No. 280,461

In Germany November 15, 1938

4 Claims. (Cl. 179—171)



1. In an audio frequency transmission network having input and output terminals, a degenerative feedback circuit connected between the output and input terminals, a reactive impedance common to said feedback circuit and input terminals, said impedance being resonated to a low audio frequency thereby to cause a substantial change in the magnitude of the feedback voltage for audio frequencies less than said resonant frequency, and said reactive impedance frequency being between 40 to 60 cycles, said change being in an increasing sense.

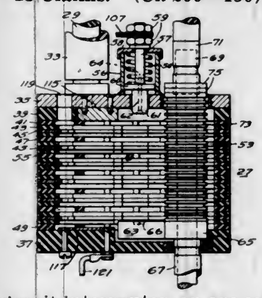
2.250,599

CIRCUIT BREAKER

Ennio Ortensi, Bergamo, Italy, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 15, 1940, Serial No. 319,086

13 Claims. (Cl. 200—150)



1. In a circuit interrupter, an arc casing having a resiliently biased contact extending through a wall of said casing, movable contact means movable into and out of engagement with said contact to draw an arc in said casing, and a vent passage through said contact extending from the contacting portion of said contact to the outside of said casing, and constructed at the end thereof at said contacting portion so as not to be blocked by engagement of said movable contact means therewith.

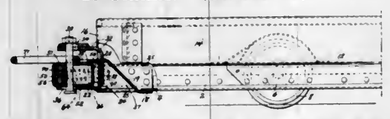
2,250,600

SPRING BUMPER AND DRAFT GEAR

Herman H. Pancake, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application February 24, 1940, Serial No. 320,604

10 Claims. (Cl. 213—9)



1. In a combined draft and bumper gear for cars, the combination of a support connected to the car, a bumper head slidably carried by said support, means resiliently resisting inward and outward movement of said bumper head located between said support and bumper head, a coupler tongue connected to said support and projecting outwardly from the car in spaced relationship to said bumper head, and a coupler pin extending through said tongue and bumper head, said coupler pin moving bodily inward with said bumper head under buffing forces and pivoting about said coupler tongue as a fulcrum to move the bumper head outward against said resilient means under draft forces applied to said pin.

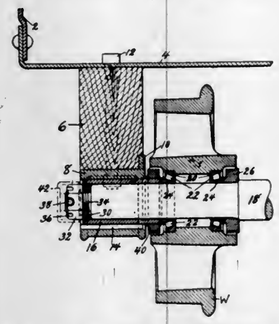
2,250,601

MINE CAR

Herman H. Pancake, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application March 23, 1940, Serial No. 325,564

5 Claims. (Cl. 308—180)



1. In a mine car the combination of wheels, antifriction bearings in the wheels, axles supported by said antifriction bearings and extending outwardly beyond said wheels, side sills fixed to said car outside the wheels, body support bearings secured to the sills and supported by the extended portion of said axles, and means on the extended portion of said axles for adjusting the antifriction bearings in the wheels, said means extending through the body support bearings and being accessible from the side of the car and being free to move relative to the body support bearings at all times.

2,250,602

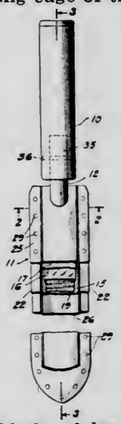
HONEY UNCAPPING KNIFE

Paul W. Pierce, Altadena, Calif.

Application August 21, 1939, Serial No. 291,115

5 Claims. (Cl. 30—140)

4. In a knife construction, a composite blade structure adapted to properly receive and utilize the heat from a heating element, a copper strip contacting with one side of said heating element to be heated thereby, said strip extending out to a cutting edge of the blade, metal side



plates for said blade of less heat conductivity than said copper strip, and means to unite along the edge portion of the knife blade said three strips in a superposed relation.

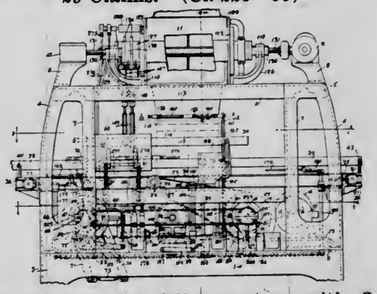
2,250,603

CARTON-FILLING MACHINE

Richard S. Poole and Donald E. Marshall, Battle Creek, Mich., assignors to Kellogg Company, Battle Creek, Mich., a corporation of Delaware

Application March 10, 1939, Serial No. 260,934

29 Claims. (Cl. 226—99)



5. A machine for filling cartons with fluent material comprising a compartment containing said material, said compartment being provided with discharge openings, means for conveying a plurality of empty cartons in line and as a group toward said compartment, means for presenting said cartons to said discharge openings for filling, means in said conveying line for detecting the absence of any one carton of the group, and means responsive to said detecting means for stopping the machine when any one carton of the group is missing.

2,250,604

ROLLING DOOR WITH RELEASABLE GUIDE GROOVE

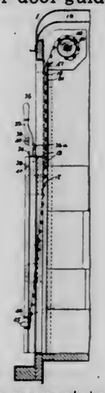
Joel S. Poorman and Ralph H. Greegor, Columbus, Ohio, assignors to The Kinnear Manufacturing Company, Columbus, Ohio, a corporation of Ohio

Application October 20, 1939, Serial No. 300,424

3 Claims. (Cl. 189—56)

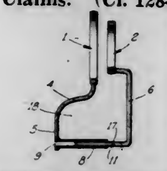
1. An improved door guide construction for a rolling door comprising fixed flange members ar-

ranged to engage the rear side portion of said door, juxtaposed outer door guide members spaced from said flange members and forming a groove along which the side edge portion of said door is adapted to be guided, the upper portions of said outer door guide members being fix-



edly secured with respect to said flange and the lower portions being pivotally mounted to swing outward away from the edges of said door to free the lower portion thereof from said groove, and permit the same to swing outwardly from said grooves, while permitting the upper portion of the door to remain in said grooves.

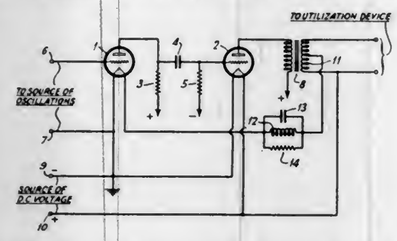
2,250,605
TISSUE HOLDER
Joseph Salem Rubin, Los Angeles, Calif.
Application April 1, 1940, Serial No. 327,175
3 Claims. (Cl. 128—346)



1. A tissue holder comprising an annular front tissue engaging member, an annular rear tissue engaging member having the same shape as the internal periphery of the front member but of lesser length, means individual to each of said members for supporting the same, a pair of arms on one of said supports extending in a direction transverse to the plane of the member supported thereby, and arm receiving means on the other of said supports for receiving said arms to thereby intercouple the supports, said arms and said arm receiving means being disposed at points on the respective supports spaced laterally from the central axes of said tissue engaging members, whereby the leverage effect between the arms and the arm receiving means will frictionally hold said members in any adjusted position.

2,250,606
DEGENERATIVE AMPLIFIER
Bernardus W. v. Ingen Schenau, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 28, 1939, Serial No. 286,992
In Germany April 1, 1939
5 Claims. (Cl. 179—171)

1. In combination with a tube having at least a grid, cathode, and output electrode, means for impressing signals between the grid and cathode, means for directly heating the cathode, a second tube, provided with input and output electrodes,



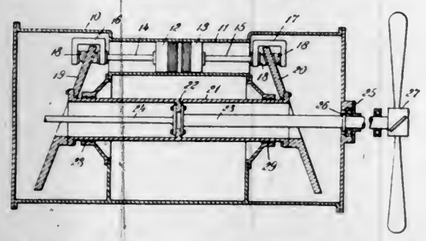
having its input electrodes coupled to the first tube output electrode, an output transformer coupled to the output electrodes of the second tube, and at least a portion of the transformer secondary in circuit with said heating means.

2,250,607
PIVOTED BEARING ELEMENT OR SLIPPER PAD FOR CRANKLESS MECHANISMS
Thomas L. Sherman, New York, N. Y.
Application May 27, 1939, Serial No. 276,134
3 Claims. (Cl. 308—5)



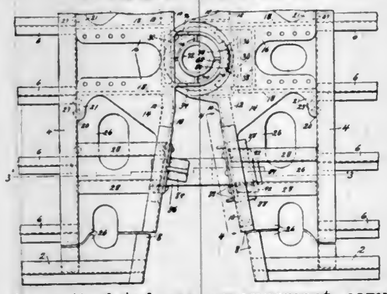
3. A slipper pad having a spherical bearing portion and a plane bearing surface, said pad having an oil receiving pocket at the leading edge of the plane bearing portion, and means for conducting oil from said pocket to the spherical bearing surface.

2,250,608
POWER TAKE-OFF OR DRIVING MECHANISM
Thomas L. Sherman, New York, N. Y., assignor to Michell-Crankless Engines Corporation, New York, N. Y., a corporation of New York
Application August 8, 1939, Serial No. 288,929
10 Claims. (Cl. 74—60)



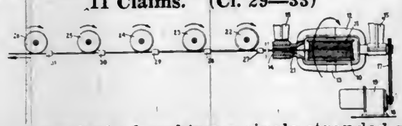
1. Crankless mechanism comprising a cylinder, a pair of oppositely acting pistons therein, a hollow shaft having a pair of slants mounted thereon of substantially equal mass, means connected to the pistons for transmitting the piston motions to the slants, a driven shaft and a connection between the driven shaft and slant shaft disposed within the slant shaft and substantially midway between the slants, said driven shaft being spaced from the wall of the hollow slant shaft except at the point of connection between said shafts.

2,250,609
ARTICULATED CAR
Lee H. Shils, Berwick, and John B. D. Thompson, Columbia County, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application February 15, 1939, Serial No. 256,582
15 Claims. (Cl. 105—4)



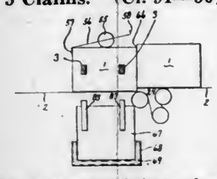
1. An articulated car arrangement comprising a pair of car bodies, a truck beneath the adjacent end portions of the bodies, a deep bolster carried by said truck and formed with an elongated cylindrical cavity, means carried by one of said bodies and formed with an elongated cylindrical projection depending therefrom and journaled in said cylindrical cavity for supporting and steadying said one body, and a bearing member carried by the other of said bodies and rotatably supported by said means with the axes of rotation of said member and means substantially coincident.

2,250,610
WIRE AND WIRE MAKING
Morris Simons, Ridgefield, Conn.
Application December 6, 1938, Serial No. 244,149
11 Claims. (Cl. 29—33)



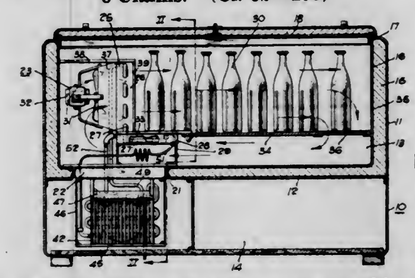
1. A method of making a single stranded wire which comprises twisting a wire rod throughout its length to an extent just short of the point where the tensile strength of the rod will be lowered, and then reducing said twisted rod to a wire strand of the desired gauge.

2,250,611
PACKAGE GLUING MACHINE
Edward T. Swan and Richard S. Poole, Battle Creek, Mich., assignors to Kellogg Company, Battle Creek, Mich., a corporation of Delaware
Application February 21, 1940, Serial No. 320,156
5 Claims. (Cl. 91—50)



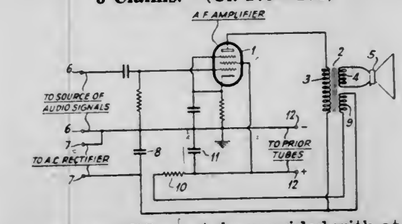
1. A machine for applying glue to a carton comprising means for conveying a line of cartons to and from a gluing station, a roll at said station immersed in a body of glue, a glue carrier for transferring glue from said roll to said carton, means for stopping a carton at the gluing station, and means for moving said carrier from a position in contact with said roll to a position in contact with said carton during the time that the carton is stopped at the gluing station, said stopping means comprising a pivoted lever having a downwardly extending projection at one end for hooking over the upper edge of the carton at the gluing station and having an upwardly extending member which presses against the succeeding carton.

2,250,612
REFRIGERATING APPARATUS
Elo C. Tanner, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1939, Serial No. 265,242
8 Claims. (Cl. 62—103)



1. In refrigerating apparatus, the combination of an insulated chamber defining a storage space, a cooling unit therein, a receptacle associated with said cooling unit to collect water condensed thereon, a portion of said cooling unit being in heat exchange relation with said receptacle to freeze water therein during light and normal refrigerating loads, said frozen water melting during heavy refrigerating loads, and means for forcibly circulating the air in said chamber over said cooling unit.

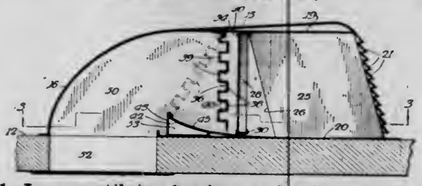
2,250,613
AMPLIFIER ENERGIZING CIRCUIT
Hendrikus T. J. Wiegerinck and Arnold Theo Vossen, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 25, 1939, Serial No. 286,320
In Germany March 15, 1939
3 Claims. (Cl. 179—171)



1. In an amplifier, a tube provided with at least a cathode, an input electrode and an output electrode, a source of pulsating unidirectional voltage, an input circuit connected to said input electrode and cathode, an output transformer having its primary winding connected between said output electrode and said source, an output circuit connected to the transformer secondary

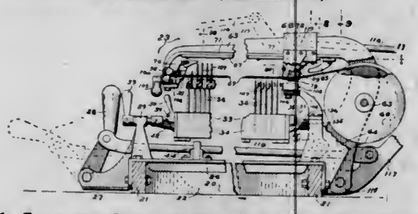
winding, and means coupled between said source and said secondary winding for introducing into the latter a pulsating voltage component which cancels out the pulsations due to said source, a screen electrode adjacent said output electrode, said means functioning as a filter element in said source, and said screen electrode being connected to said filter means.

2,250,614
VENTILATOR FOR MOVING VEHICLES
Nicholas L. Willer, Chicago, Ill., assignor to Railway Utility Company, Chicago, Ill., a corporation of Illinois
Application January 16, 1939, Serial No. 251,093
6 Claims. (Cl. 98—13)



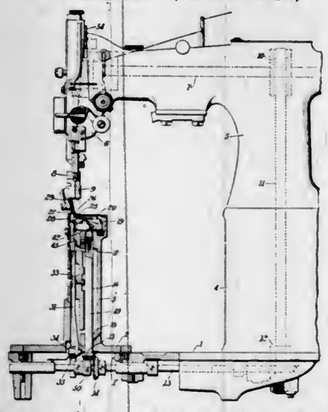
1. In a ventilator having an inlet opening and also having an outlet opening leading to the space to be ventilated, means for tending to reduce the introduction of drafts into the body to be ventilated, said means comprising a damper pivoted at its upper end, said damper comprising a sheet member having convolutions therein and being partially perforated, a plate curved substantially concentrically with the pivot of said damper and spaced a slight distance therebelow, said plate having apertures therein leading outside of said space, said apertures being so arranged that the greater the swing of said damper the greater will be the area of the apertures uncovered by the damper so as to permit by-passing of air to the outside according to the velocity of admitted air, the ventilator having a substantially unrestricted passage beyond the damper leading to the body to be ventilated.

2,250,615
RUG MACHINE
Achsa Wright, San Francisco, Calif.
Application October 19, 1938, Serial No. 235,844
10 Claims. (Cl. 112—2)



1. In a machine of the character described, a multiplicity of needles, means to hold them in an operative position for loading, means to feed fabric, and to press it onto the needles and cut the same, consisting of a cross arm extending over the operative position of said needles, a support member therefor extending from the rear side of the lower frame part and in supporting relation to the rear end of the cross arm, a carriage reciprocable on the cross arm, an arm pivoted on the frame rearwardly thereof and extending upwardly, a link between the arm and the carriage, an operating lever pivoted on the frame at the front of the machine: a link between the last named lever and said arm below the needles, a reel for fabric strip mounted on said frame adjacent the rear of said cross arm, a travelling gripper on the carriage comprising separable members, said strip engaged therebetween for gripping at times and slidable through the gripper at other times, means to close the gripper when at initial rearward position next the reel, a second gripper mounted on the front part of the cross arm, means to close the second gripper means on the carriage to open the second gripper when the carriage is at the outer or forward limit of movement, means on the cross arm to open the first gripper when at said forward limit of movement, and cutter means movable across and from the path of the carriage to cut the said strip when extended to the second gripper.

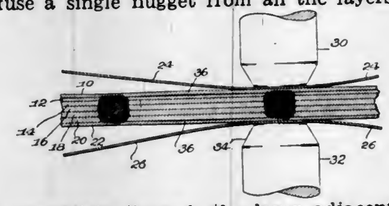
2,250,616
STITCH-FORMING MECHANISM FOR SEWING MACHINES
Sydney Zonis, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 9, 1940, Serial No. 328,610
4 Claims. (Cl. 112—184)



1. In a sewing machine having a throat-plate provided with a needle-aperture, a rotary loop-taker, a thread-carrier journaled in said loop-taker and restrained against rotation therewith, a needle reciprocating transversely of the plane of rotation of said loop-taker, and thread-delivery control means provided upon said thread-carrier for the thread contained within the thread-carrier, the improvement whch consists in disposing said thread-delivery control means upon said thread-carrier so that a pull upon the thread delivered thereby and from the throat-plate needle-aperture side of the thread-carrier tends to turn said thread-carrier in a direction opposite to the direction of rotation of the loop-taker, and means effective during the thread-loop casting rotation of said loop-taker for positively turning said thread-carrier in a direction opposite to the direction of rotation of said loop-taker.

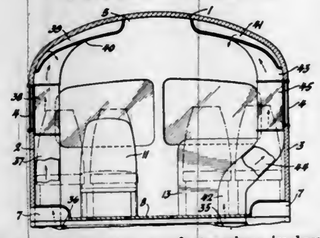
2,250,617
WELDING
Lucien F. Argentin, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 3, 1938, Serial No. 228,305
8 Claims. (Cl. 219—10)

8. The method of resistance welding a plurality of superimposed thin layers together which comprises adding an additional layer of material having characteristics similar to that of the thin layers with regard to melting temperature, passing a welding current through all the layers sufficient to fuse a single nugget from all the layers but



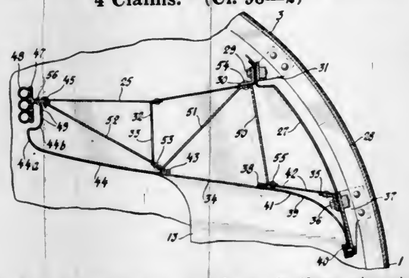
not completely through the layer adjacent the additional layer, whereby the additional layer is left readily removable and non-adhering, and thereafter removing the additional layers.

2,250,618
AIR CONDITIONING SYSTEM
Dwight E. Austin, Pontiac, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application February 25, 1939, Serial No. 258,414
6 Claims. (Cl. 98—10)



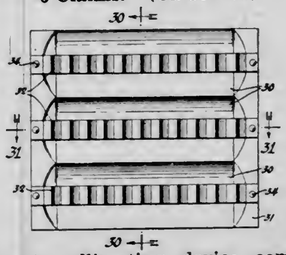
1. In a passenger coach having indented wheel wells in the side walls and a loading platform ahead of one of the wells, a decency panel extending upwardly between the loading platform and said wall, and a vertically offset conduit having its lower portion extending upwardly from the floor and inwardly of the well behind the panel and its upper portion extending beside the wall in vertically spaced relation to the well to afford foot room for a passenger seated immediately behind the panel.

2,250,619
COMBINED PACKAGE RACK AND AIR DUCT
Dwight E. Austin, Pontiac, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Application May 1, 1939, Serial No. 271,116
4 Claims. (Cl. 98—2)



1. In a passenger coach, a hollow structure projecting inwardly above the passenger seats with its upper wall providing a package shelf, a protection guard supported at the inner side of the structure with a portion projecting above the upper wall as a package retaining flange and a portion projecting downwardly in spaced relation with the inner wall of the hollow structure to afford an air distribution channel and air flow regulating openings in said inner wall and behind said protection guard for admitting air from the hollow structure into the distribution channel.

2,250,620
REFLECTOR SIGNAL
Evan P. Bone, Cincinnati, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application May 9, 1935, Serial No. 20,593. Divided and this application May 2, 1938, Serial No. 205,459
6 Claims. (Cl. 88—78)



1. An auto-collimating device comprising a pair of substantially vertically extending reflecting surfaces arranged at substantially right angles to each other, said surfaces being formed to provide horizontal concave flutes having axes lying in the same plane to condense the incident parallel light rays, said flutes being shaped to bring incident light to a focus between said surfaces.

2,250,621
REFLECTOR ELEMENT AND MOUNTING THEREFOR
Claude G. Bordeaux, Hoosick Falls, N. Y.
Application January 14, 1939, Serial No. 250,963
3 Claims. (Cl. 88—82)

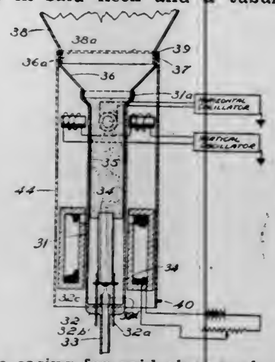


1. A light reflecting element and a mounting therefor comprising a body of light transmitting material one end of which is convex in form and freely exposed to the air, a body formed of heat cured "Bakelite" in which the opposite end of said body of light transmitting material is embedded, such embedded end of said body being formed with a convex surface and a concave reflector mounted on said convex surface of said body and conforming thereto, said body of heat cured plastic material having in its uncured condition a coefficient of contraction greater than that of said body of light transmitting material, said plastic material extending laterally beyond said reflector thereby sealing the same.

2,250,622
CATHODE-RAY TUBE AND METHOD OF MANUFACTURE THEREOF
Robert M. Bowie, St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application February 17, 1939, Serial No. 256,924
3 Claims. (Cl. 250—141)

1. A cathode-ray tube having a flared body portion of metal with a glass window hermetical-

ly sealed to the larger end, a neck composed at least in part of tubular glass, an electron gun mounted in said neck and a tubular metallic



protective casing for said glass neck, said casing being integrally fastened to said metal body portion to form a continuation thereof but radially spaced from said glass neck.

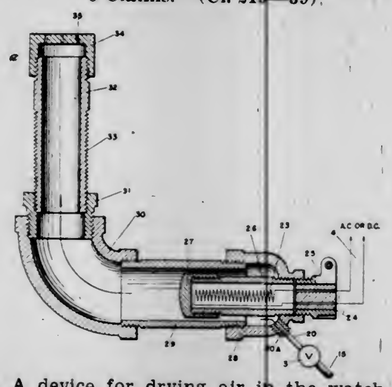
2,250,623

DEHUMIDIFIER

Walter Franklin Breen, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.

Application November 23, 1938, Serial No. 241,951

9 Claims. (Cl. 219—39)



3. A device for drying air in the watch and clock industry comprising a conventional pipe, an air inlet port to said heating chamber, a reducing socket threaded to said pipe, a smaller pipe positioned in said heating chamber, a cap on said smaller pipe, and a heating coil positioned within said smaller pipe.

2,250,624

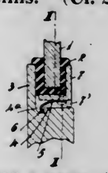
PANE SECURING MEANS

Ettore Bugatti, Molsheim, France

Application August 3, 1937, Serial No. 157,209

In France August 8, 1936

7 Claims. (Cl. 20—56.4)



1. In a holder for a pane, the combination of a stationary rear abutment for said pane, substantially parallel with the plane of the pane, having a front projection defining a back groove between the rear flange and said projection; a removable front abutment for said pane, also substantially parallel with the plane of the pane; and a resilient retainer substantially comprising three integral portions, a front portion attached to the movable front abutment, a but slightly bowed intermediate portion positioned in a plane substantially at right angles to the plane of the pane and a rear portion in the form of a hook removably engaging said groove, the retainer being adapted in operation to be stressed to tension between the front abutment and the groove.

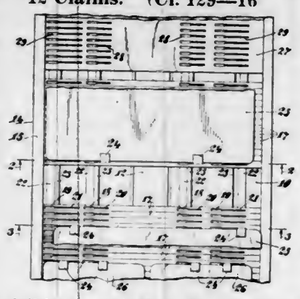
2,250,625

VISIBLE CARD INDEX

James R. Clark, Rochester, N. Y., assignor to The Yawman & Erbe Manufacturing Company, Rochester, N. Y., a corporation of New York

Application November 1, 1938, Serial No. 238,155

12 Claims. (Cl. 129—16



8. In a visible card index, the combination of a supporting frame, a card holder in said frame, a plurality of longitudinally extending slots in the upper face of said card holder in which the hinges of a file card are adapted to be received, means in said frame for spacing said card hoider from the bottom thereof, and means projecting upwardly from the frame and adapted to cooperate with the slots in said card holder for locking the card hinges releasably therein.

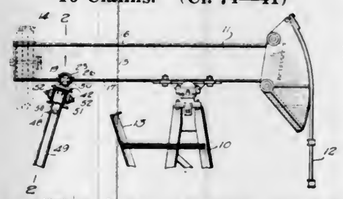
2,250,626

WALKING BEAM ASSEMBLY

Robert Griffin De La Mater, Parkersburg, W. Va., assignor to The Parkersburg Rig & Steel Company, Parkersburg, W. Va., a corporation of West Virginia

Application January 28, 1939, Serial No. 253,431

16 Claims. (Cl. 74—41)



1. A walking beam assembly comprising a walking beam having a recess formed in one edge portion thereof, a bearing housing rigidly mounted in said recess with its axis extending transversely of the walking beam, said housing comprising a pair of aligned spaced bearings, a single journal mounted in said bearings for rocking movement therein, a pitman connection extending between said bearings and connected to said journal, and a pivot pin connecting said pitman connection to said journal perpendicular to to the axis thereof.

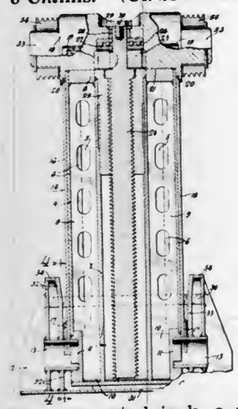
2,250,627

SCREW OPERATED JACK

Lawrence E. Feeney, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 12, 1940, Serial No. 369,841

8 Claims. (Cl. 254—103)



1. In a screw operated jack, a suitable base; an inner hollow guide member supported by said base and extending upwardly therefrom; a lifting screw housing within said guide member and extending longitudinally thereof; a non-rotatable nut secured in place within the upper end of said housing; a screw within said lifting screw housing and in threaded engagement with said nut; means whereby the upper end of said housing is connected with the upper end of said guide member; a vertically movable outer shell slidable upon said inner guide member; a head secured to the upper end of said outer shell and movable therewith; a rotatable gear housed within a recess in said head and operatively connected with the upper end of said screw, and which gear acts to lift said head and outer shell as said screw is rotated; a pinion supported by said outer shell member and meshing with said gear to drive the same; and means carried by said outer shell member and movable therewith for driving said pinion.

2,250,628

SHAPING OF GLASS SHEETS

Lewis Jex-Blake Forbes, St. Helens, England, assignor to Société Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France, a corporation of France

Application September 16, 1936, Serial No. 101,164

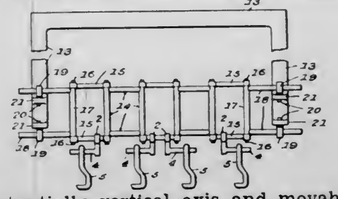
In Great Britain September 19, 1935

9 Claims. (Cl. 49—45)

1. A method of bending a glass sheet which consists in suspending it in a vertical position by its upper edge from a metal support free to bend therewith and parallel to its upper edge, heating the sheet until the glass is at the softening point and applying pressure to the sheet and to the support to bend them to the same curvature.

4. In an apparatus for supporting a flat heated glass sheet during bending, the combination of a runway pivoted to move around a vertical pivot, a runner movable on said runway, and a gripping device for supporting the sheet pivotally carried by the runner.

7. In an apparatus for tempering curved glass sheets, the combination of a suspension device formed of elements articulated together by vertical pivots, and a blowing frame for cooling said sheet positioned adjacent to said suspension device and formed of a plurality of groups of vertical jet tubes, each group being adjustable about



a substantially vertical axis and movable substantially horizontally in two substantially perpendicular directions.

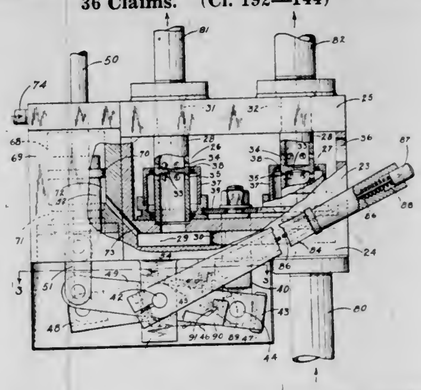
2,250,629

NONREPEAT VALVE

John H. Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio

Application December 12, 1938, Serial No. 245,101

36 Claims. (Cl. 192—144)



1. In combination, an intermittently operated fluid actuated device, a supply of fluid under pressure, a valve for controlling the admission of fluid from said supply to said device, manually controlled means arranged to be moved in one direction to open said valve and admit pressure fluid from said supply to said device and automatic means controlled by the operation of said device operable to move said valve to closed position before said manually controlled means has been returned to its initial position.

2,250,630

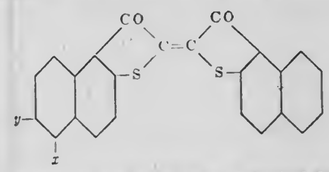
INDIGOID VAT DYESTUFFS

Jaroslav Froehlich, Basel, Ernst Stoecklin, Binningen, and Richard Tobler, Riehen, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application October 20, 1938, Serial No. 236,118. In Switzerland October 22, 1937

2 Claims. (Cl. 260—332)

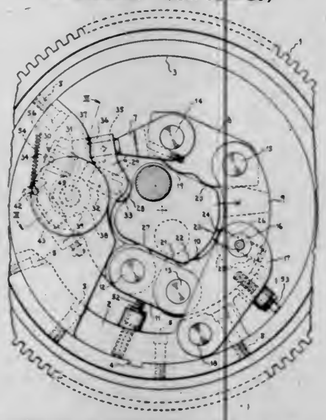
1. Indigoid vat-dyestuffs of the general formula



wherein x stands for a halogen selected from the

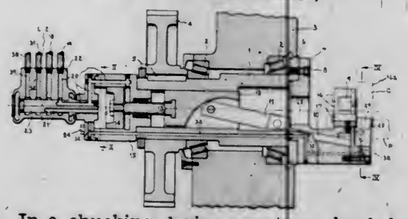
group consisting of chlorine and bromine and *y* stands for an alkoxy-group of the lower aliphatic series.

2,250,631
CRANKSHAFT CHUCK
William F. Groene and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application October 16, 1939, Serial No. 299,732
10 Claims. (Cl. 82—40)



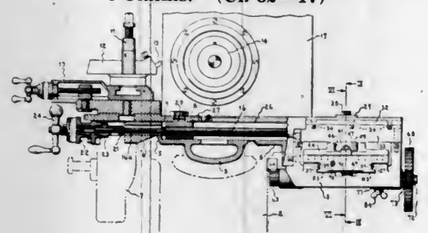
1. In a chuck, a rotary chuck body, a link pivotally mounted on said body, a pair of links pivotally mounted on the outer end of said first mentioned link, two integral and one adjustable work engaging abutments on one of said last mentioned links, a link pivotally mounted to the outer end of the link with the work engaging abutments, a link pivotally mounted to the outer end of the other of said pair of links, a pair of integral work engaging abutments on this last mentioned link, a latch link pivotally mounted on the outer end of this last mentioned link arranged to be latched with a clamping link pivotally mounted on the link connected to the link having the two integral and one adjustable abutments, and means movable in said clamping link to engage a work piece in the chuck to cause engagement of all of said abutments with said work piece.

2,250,632
HYDRAULIC CHUCKING MECHANISM
Willard L. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application March 22, 1940, Serial No. 325,420
15 Claims. (Cl. 82—40)



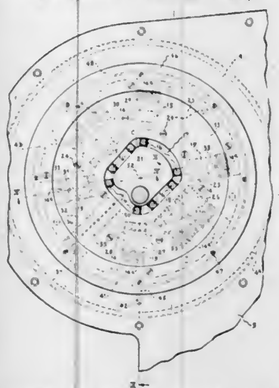
1. In a chucking device, a rotary chuck body, means for positioning a work piece on the axis of rotation of said chuck body, a pair of opposed fluid pressure actuated plungers in said chuck body movable in opposed relation to each other to engage said work piece, and means for simultaneously applying fluid pressure to said plungers from a common source of supply.

2,250,633
TAPER ATTACHMENT
William F. Groene and George W. Luning, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application April 11, 1940, Serial No. 329,131
6 Claims. (Cl. 82—17)



1. In a lathe, a bed, a carriage movable longitudinally on said bed, a taper attachment mounted on the carriage comprising a bracket, a guide bar slide carried by said bracket and movable relative to the carriage longitudinally of the bed, an angularly adjustable guide bar on said slide for actuating the cross slide on said carriage, a shaft journaled in said bracket, a pinion fixed on said shaft engaging a rack fixed on said bed, a second shaft journaled in said bracket, a pinion fixed on said second shaft engaging a rack fixed on said slide, gearing in said taper attachment interconnecting said shafts, means independent of said shafts for locking said slide to said bed, and means for disconnecting said gearing when said slide is locked to said bed.

2,250,634
HYDRAULIC CENTER DRIVE CHUCK
Willard L. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application April 16, 1940, Serial No. 329,929
10 Claims. (Cl. 82—40)



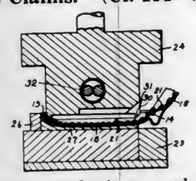
1. In a chuck, a rotary chuck body, a plurality of fluid actuated work engaging members, means for simultaneously applying fluid pressure to all of said work engaging members, and means for shutting off escape of fluid from each of said work engaging means.

2,250,635
DISPLAY DEVICE
Robert J. Gunder, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application March 25, 1939, Serial No. 264,226
1 Claim. (Cl. 248—198)



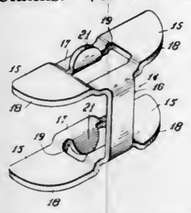
A rectangular display device comprising a sloping front section, two side wing sections the upper edges of which slope upwardly toward the rear, and a sloping rear section, said rear section having two lugs cut out and hingedly attached thereto along an axis parallel to said side wing sections, the relationship between the slope of the lower side of the lug and the slope of the rear section being such that the lower side of the lug will lie along the plane of the lower edge of the side wing and thus prevent the stand in its operative position from tipping over.

2,250,636
EYEGLASS CASE LINING
Carl Roland Jerry, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application January 28, 1938, Serial No. 187,490
3 Claims. (Cl. 154—2)



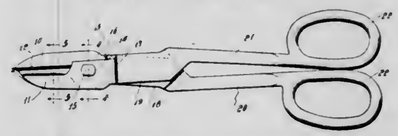
3. A method of producing a substantially non-ravelling margin at the wear exposed edges of a nap fabric lining for the lid of an eyeglass case wherein the edges of said lining are exposed to wear, comprising applying the lining to the interior of the case by means of an adhesive, treating the marginal portions only of said lining to an application of heat and pressure, thereby flattening and matting said nap adjacent the edges of said lining and softening said adhesive, removing said heat and pressure, and allowing said adhesive to set, whereby said nap in said treated marginal portion is permanently flattened, matted and bound.

2,250,637
BRAKE HEAD WEAR ELEMENT
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1940, Serial No. 320,921
5 Claims. (Cl. 188—236)



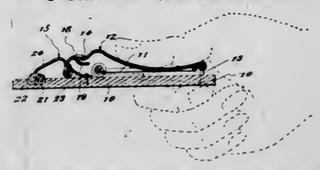
1. A reversible brake head wear element comprising a pair of similar plate sections connected together in spaced apart and substantially parallel relation by a narrow strap section arranged at one longitudinal side of the element and intermediate of the ends of the plate sections, the plate sections intermediate of their ends having aligned key receiving openings and integral tongues adjacent said openings and disposed in opposite directions whereby the element is secured to the brake head against displacement.

2,250,638
METAL SHEARS
Karol Kubinec, Dearborn, Mich.
Application February 16, 1940, Serial No. 319,348
1 Claim. (Cl. 30—257)



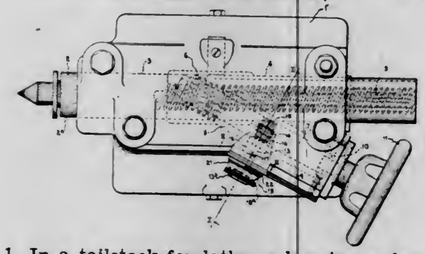
In metal shears of the character described, a pair of pivotally connected overlapping cutting blades, a handle shank carried by each blade with the gripping ends of the handle shank in the same plane and offset means connecting the handle shanks to said cutting blades to place the handle shanks in a plane offset from the plane of said cutting blades, the pivotal connection between the cutting blades comprising a pin extending through the rear ends of the cutting blades forwardly of said offset means, said offset means comprising shoulder portions extending at right angles to the longitudinal axes of the cutting blades and handle shanks, and said handle shanks having overlapping contacting plate portions in the plane thereof and at their outer ends merging into the shouldered portions at the ends thereof adjacent the cutting blades and coacting abutment shoulders at the junctures of said plate portions and said handle shanks in the plane of said handle shanks.

2,250,639
ANIMAL TRAP
Yervant H. Kurkjian, Hawthorne, N. J.
Application April 18, 1940, Serial No. 330,395
5 Claims. (Cl. 43—83.5)



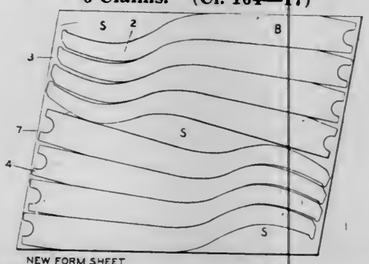
1. A bait-set trap of the character described comprising a base, an animal-engaging jaw hinged upon the base, tension means for said jaw, a trigger hinged upon the base, a jaw securing member hinged upon said base and adapted to overhang the animal-engaging jaw and also adapted to engage said trigger for holding the animal-engaging jaw in a set position in engagement with said jaw-securing member, the trigger having a bait-engaging portion adapted to engage a bait in a manner whereby the trigger will be held in a set position by the bait and in locking engagement with said jaw-securing member, and said jaw-securing member being bowed inwardly toward said base and conforming to the contour of the under face of an operator's thumb to facilitate the holding of the jaw-securing member in a locking position with respect to said trigger while the trap is being set.

2,250,640
POSITION INDICATING MEANS FOR TAILSTOCKS
Richard K. Le Blond, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application July 18, 1939, Serial No. 285,097
4 Claims. (Cl. 82—31)



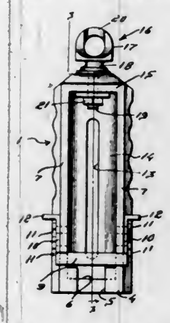
1. In a tailstock for lathe, a housing, a barrel slidably mounted in said housing, an actuating shaft in said housing angularly disposed relative to said barrel, a worm on said shaft adapted to engage a rack on said barrel, a handwheel mounted on said shaft, a dial shaft journaled in said housing perpendicular to said hand wheel shaft, a worm wheel on said dial shaft, a worm on said actuating shaft arranged to drive said worm wheel in a predetermined relation to the movement of said barrel, and dial indicating means on said dial shaft for indicating the movement of said barrel.

2,250,641
METAL BLANK AND METHOD OF BLANKING
Robert H. Maddock, Lakewood, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Original application November 26, 1938, Serial No. 242,554. Divided and this application January 23, 1941, Serial No. 375,647
6 Claims. (Cl. 164—17)



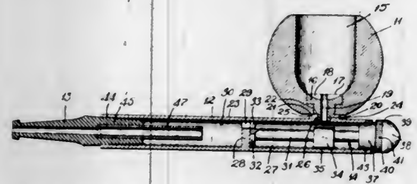
6. The steps in the method of producing elongated tapered metal blanks with lateral co-planar offsets, consisting of providing a sheet of metal of rhomboidal shape, laying out a group of said blanks to extend lengthwise and adjacent the base of the rhombus, with their longitudinal edges substantially parallel with said base and with the ends of said blanks arranged in stepped relation substantially parallel with the inclined side edges of the rhombus, and laying out a second group of said blanks in the same manner adjacent the edge of the sheet opposite said base but in a reverse lengthwise direction and with their ends in stepped relation arranged as a continuation of the first named group and parallel with the same inclined side edges of the rhombus, whereby the ends of all blanks arranged at each inclined side edge of the sheet are disposed on a line substantially parallel with said inclined side edges.

2,250,642
TRANSFER ELEVATOR FOR SUCKER RODS
Parker G. Mangham, Oklahoma City, Okla.
Application November 6, 1940, Serial No. 364,592
2 Claims. (Cl. 294—91)



1. A transfer elevator of the character described comprising a member for connection with a sucker rod section, and an eye bolt on the member for connecting a transfer line thereto, said eye bolt including a circumferentially grooved neck, an eye rising from the neck, said eye having a vertical groove in the upper portion of one side thereof for the reception of the transfer line, said eye further having a pair of inclined grooves in the lower portion of its opposite side establishing communication between the grooved neck and the opening of said eye, the last named grooves for the reception of the transfer line.

2,250,643
PIPE
Frank N. Mariani, New York, N. Y.
Application April 25, 1940, Serial No. 331,663
11 Claims. (Cl. 131—215)

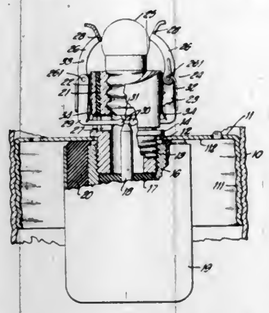


1. In a pipe, an elongated shank having a bore, a baffle dividing said bore into a primary and secondary chamber and having an outlet adapted to communicate with said chambers, a bowl carried by said shank above said primary chamber and in communication therewith, a mouth piece portion carried by said shank and projecting into said secondary chamber, and control means carried by said shank for interrupting communication between said bowl and primary chamber and between the latter and said secondary chamber.

2,250,644
LAMP AND SOCKET THEREFOR
Francis R. Meginniss, Albany, N. Y.
Application October 9, 1937, Serial No. 168,258
7 Claims. (Cl. 240—11.3)

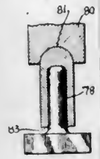
1. In combination, an incandescent lamp, a socket therefor, a movable element engageable with the bulb of said lamp, resilient means associated with said element for normally forcing the same into engagement with said bulb, the filament of said lamp being disposed in the path of

movement of said element whereby said element



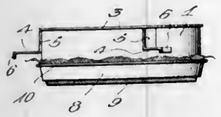
moves into engagement with said filament to quench the same on the fracture of said bulb.

2,250,645
WELDING ELECTRODE
Joseph W. Meadowcroft and Chester Scull, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 27, 1938, Serial No. 221,478
3 Claims. (Cl. 219—4)



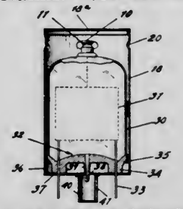
1. The method of making a welding electrode of copper which comprises drawing from a flat disc of copper a head and sleeve portion in a plurality of stages, annealing the blank prior to the last drawing stage, and hammering the head portion axially thereafter to increase the hardness thereof.

2,250,646
STRAINER
Fred Metsch, Cleveland, Ohio
Application October 9, 1939, Serial No. 298,696
2 Claims. (Cl. 210—159)



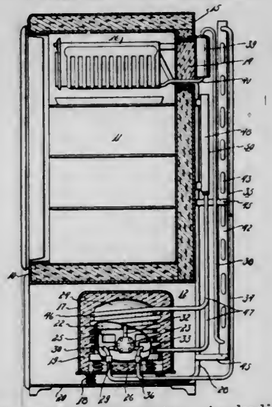
1. A strainer comprising an annular body open at its top and its bottom and having its lower portion tapered downwardly and its upper portion rolled outwardly to form an outstanding bead about the upper edge of its annular wall, and a downwardly tapered clamping ring of less depth than the tapered portion of the body and conforming to the taper thereof for fitting snugly about the tapered portion of said body and gripping marginal portions of a strainer cloth to hold the cloth in a stretched condition across the open bottom of the body, the upper portion of said ring being formed with an outstanding annular flange for engagement by the fingers of the operator when drawing the ring upwardly to a clamping position.

2,250,647
SHIELDED RADIO TUBE AND THE LIKE
Carl F. Miller, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application December 4, 1937, Serial No. 178,039
3 Claims. (Cl. 250—27.5)



1. An electron discharge tube having an evacuated glass bulb enclosing an electrode mount, a cap-contact fastened exteriorly to the top of the bulb, a tubular metal member enclosing said bulb and carrying at its lower end a metal disc having openings for contact prongs, a metal boss carried by said disc and surrounded by the base prongs, and a slot in the peripheral wall of said member in line with said cap-contact.

2,250,648
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application March 28, 1939, Serial No. 264,604
7 Claims. (Cl. 62—116)

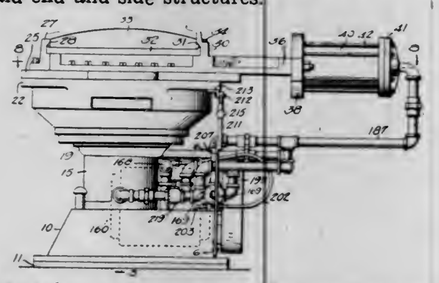


1. Refrigerating apparatus, including a cabinet, a compressor arranged in said cabinet and having a condenser disposed along the side wall of said cabinet, and a secondary condenser independent of said first mentioned condenser arranged adjacent said condenser for inducing air currents through said condenser.

2,250,649
PRESS
Benjamin J. Pierson, Johnstown, N. Y., assignor, by mesne assignments, to Formrite Bacon Press Corporation, Colonie, West Albany, N. Y., a corporation of New York
Application October 7, 1938, Serial No. 233,873
35 Claims. (Cl. 100—57)

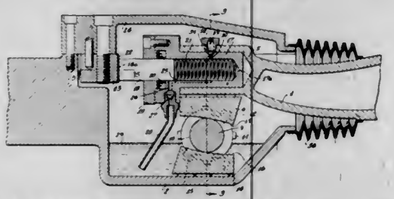
1. A press comprising a pair of relatively movable end structures, a pair of relatively movable side structures and a pair of spaced horizontal

structures defining a press chamber, one of said horizontal structures being arranged between said end and side structures and being formed of at least four elements relatively movable whereby said last named horizontal structure is adapted to assume a shape and size corresponding to the shape and size of the space between said end and side structures.



8. A press comprising a pair of relatively movable end structures, a pair of relatively movable side structures and a pair of relatively movable horizontal structures, a separate source of power for each pair of structures for effecting relative movement thereof toward each other, means for controlling said power sources to effect simultaneous operation thereof, and means constructed and arranged with respect to at least two of said power sources to cause them to operate at successively slower speeds than the other power source.

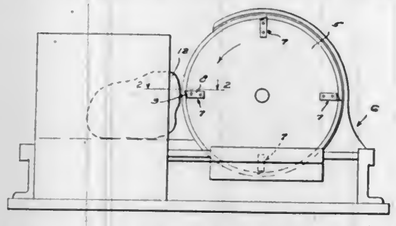
2,250,650
ROLLING CENTER BOLSTER
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application December 13, 1939, Serial No. 309,057
18 Claims. (Cl. 105—186)



1. A bolster assembly comprising two housings adapted to be mounted at opposite sides of a rail vehicle truck, a bolster having its opposite ends extending into respective housings, rollers disposed between the ends of said bolster and the housings in which said ends are received and supporting the bolster for movement relative to the housings, said housings being adapted to contain lubricant, and means operated by movement of the bolster for pumping lubricant onto the rollers and the surfaces contacted thereby.

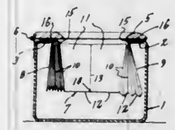
2,250,651
STRIPPING BLADE
Scott Pickens, Portland, and Richard Leon Fauver, Klamath Falls, Oreg., assignors of one-fourth to James Luis
Application June 20, 1940, Serial No. 341,544
4 Claims. (Cl. 146—95)

1. In a slicing machine, the combination of a rotary circular slicing blade having a bevelled edge on one face thereof, a shank connected with said face of the blade and having a bent cutting end extending laterally from the inner edge of the bevel and arranged at substantially right angles to



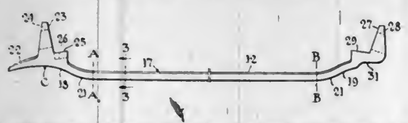
the bevel for cutting the slice cut by the circular blade into strips.

2,250,652
TOILET
Edmund T. Price, San Diego, Calif.
Application February 14, 1941, Serial No. 378,902
9 Claims. (Cl. 4—142)



1. A device of the type described, comprising: a frame means defining an aperture and a multiple compartment bag depending through said aperture, said bag comprising: a pair of opposite end walls normally adjacent to and extending downwardly from opposite edges of said aperture, foldable sides and bottoms interconnecting said end walls and defining therewith an extensible compartment, and means for selectively securing one of said walls adjacent one edge of said aperture and the other wall adjacent the other edge of said aperture to distend the sides and bottom between said walls, whereby they define an open top receptacle.

2,250,653
BLANK FOR HOSE CLAMPS
Lewis A. Safford, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application July 19, 1939, Serial No. 285,442
5 Claims. (Cl. 29—148)



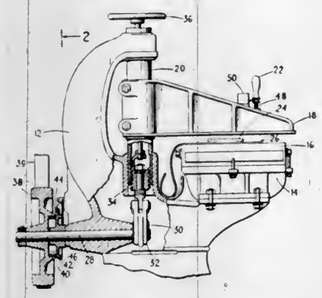
1. A hose clamp blank, forged straight at its middle portion, and intended to be bent to substantially its final circular curvature before use, said blank having throughout nearly its entire length a uniform cross section which is relatively thick from one edge to about the middle and thence tapering toward the other edge, said blank having bolt lugs adjacent its ends, and the internal surfaces adjacent said lugs being curved to said final curvature in the forging operation, one end of said blank having a tapered recess, and the other a tongue tapering in thickness not curved to said final curvature and adapted to be cammed inward thereto by said tapered recess as the clamp is closed around a hose.

2,250,654
VEHICLE FRAME
Léon Saives, Billancourt, France, assignor to Louis Renault, Billancourt, France
Application March 13, 1939, Serial No. 261,669
In France May 27, 1938
2 Claims. (Cl. 280—106)



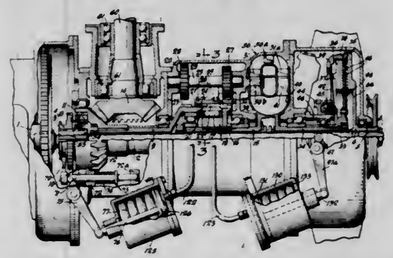
1. In a vehicle frame including a pair of spaced parallel longitudinal side members forming a main frame, and a narrower auxiliary front frame secured to said main frame; means for supporting the engine of the vehicle comprising a cross member fixed to said auxiliary frame adjacent the rear of the latter, a removable cross piece, resilient means interposed between each end of said cross piece and said fixed cross member for supporting said cross piece on said fixed cross member, and a removable substantially U-shaped cross piece secured to said auxiliary frame adjacent the front thereof.

2,250,655
CLICKING MACHINE
Hans Peter Schneider, Ridgewood, N. Y., assignor to Herman Schwabe, Inc., New York, N. Y., a corporation of New York
Application September 18, 1940, Serial No. 357,234
10 Claims. (Cl. 164—23)



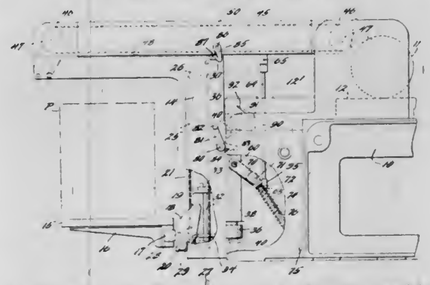
9. A high speed clicking machine comprising a presser, a single-revolution drive shaft for operating the presser, a loose driving pulley and means to rotate the same continuously at high speed, a clutch between said pulley and said shaft, manually controllable means for engaging said clutch, the speed of said driving pulley being too great for timely release of said means, a wedge for automatically disengaging said clutch independently of and before said manually controlled means is released, said wedge being so positioned as to disengage the clutch immediately after a half revolution of the drive shaft, whereby the clutch is disengaged promptly after completion of the cutting operation, thus allowing nearly half a revolution to bring the drive shaft to rest, a brake for stopping the drive shaft, and means independent of said manually controlled means to apply the brake after the clutch has been disengaged and before the shaft has turned a full revolution.

2,250,656
TURBODRIVE AND CONTROL
Hans O. Schjolin, Pontiac, Mich., assignor to Yellow Truck & Coach Manufacturing Company, Pontiac, Mich., a corporation of Maine
Original application February 9, 1938, Serial No. 189,596. Divided and this application August 26, 1940, Serial No. 354,310
4 Claims. (Cl. 74—189.5)



1. In a power transmission having a high speed drive and a variable-speed low speed drive including a hollow shafted driven member, a sleeve member for power take off from the transmission mounted in axial alignment with the hollow shaft part of said driven member, a releasable coupling for selectively transmitting power directly from said driven member to the adjacent end portion of said sleeve member, gearing including an axially shiftable gear for selectively transmitting power in reverse direction from said driven member to the adjacent end portion of said sleeve member, and means including a high speed drive shaft extending through said driven member and said sleeve member, for transmitting drive to the end portion of the sleeve member remote from said driven member.

2,250,657
PRINTING PRESS
Frederick W. Seybold and Anton Stobb, Westfield, N. J., assignors to American Type Founders, Inc., Elizabeth, N. J., a corporation of New Jersey
Application February 24, 1940, Serial No. 320,696
11 Claims. (Cl. 271—79)



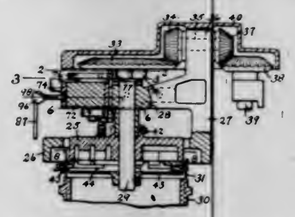
1. In a printing press or the like, in combination, a main frame, a sheet delivery frame pivoted to said main frame for horizontal swinging movement to and from operative position, a conveyor for transferring printed sheets from said press, a supporting frame for said conveyor pivoted to said main frame for vertical swinging movement to and from operative position, and means operatively connecting said delivery frame and said conveyor frame for causing the latter to move to and from operative position simultaneously with said delivery frame.

2,250,658

CIRCULAR KNITTING MACHINE

Caleb Smith and Charles P. McCabe, Seneca Falls, N. Y.; said McCabe assignor to said Smith

Application December 31, 1938, Serial No. 248,685
19 Claims. (Cl. 66—13)



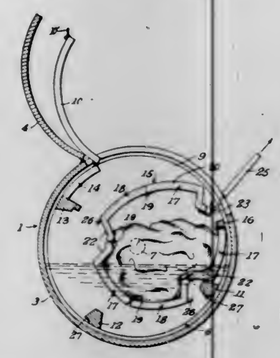
12. In a knitting machine comprising needle carriers and needles movably associated therewith arranged for knitting plain ribbed fabric, the needles of one carrier having independently movable latch and hook parts, in combination, cam means for moving the parts of said needles respectively to draw loops and to cast off loops, said cam means including a cam element adapted to be moved into relation with at least one of said parts of the needles of said one carrier to move them with respect to each other to draw two loops sucessively and to cast off said two loops simultaneously for the purpose of knitting half cardigan ribbed fabric.

2,250,659

POWER LAUNDRY WASHER

Harry Solomon, Brooklyn, N. Y., assignor of one-half to Abraham Geisinger, Bronx County, N. Y.

Application June 3, 1940, Serial No. 338,459
4 Claims. (Cl. 68—142)



1. A drum, for a washing machine, comprised of end walls, a cylindrical side wall and ribs, said ribs extending longitudinally in the drum and being secured to the end walls and being provided with indentures therein, said side wall in part being secured to said end walls and in part being formed in sections hinged together, one of said sections being hinged to said secured part of the side wall and another of the sections being locked to one of the ribs, said hinged sections being formed, and shaped to rest adjacent to and bear against said ribs, and projections on said hinged sections, said projections extending into the indentures in the ribs to aid in retaining the hinged sections in position.

2,250,660

DERIVATIVES OF HYDROXY - AZA - COMPOUNDS AND PROCESS OF PREPARING SAME

Fritz Straub, Kaiseraugst, and Emil Mannhart, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application July 18, 1939, Serial No. 285,175. In Switzerland July 27, 1938
4 Claims. (Cl. 260—289)

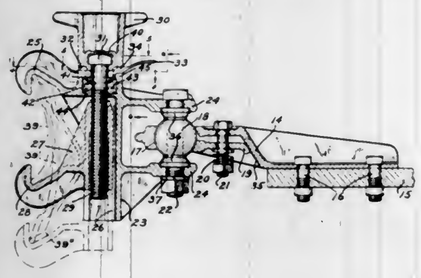
2. Products identical with those obtained by reacting 8-hydroxy-quinoline with a substantially equimolecular amount of formaldehyde in presence of concentrated hydrogen halide.

2,250,661

TRAILER COUPLING

Joel R. Thorp and Steen Strand, West Allis, Wis., assignors to The Fulton Company, West Allis, Wis., a corporation of Wisconsin

Application September 1, 1939, Serial No. 293,004
7 Claims. (Cl. 280—33.15)



1. In a coupling, a pair of cooperating coupling members, a screw bolt having a turning element and being rotatable to effect coupling interconnection of said members, said turning element having an annular series of teeth revolvable about the bolt axis, a latch having a hub surrounding said bolt and also having a locking portion engageable with said teeth to prevent unscrewing of said bolt, and a spring embracing said bolt within one of said members and coacting with said latch to constantly urge the same into locking position.

2,250,662

MOLDING POWDER OF UREA-FORMALDEHYDE RESIN CONTAINING A CURING ACCELERATOR

James Martyn Walter, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 14, 1938, Serial No. 240,380. In Great Britain November 19, 1937
9 Claims. (Cl. 260—69)

1. In the process of preparing a molding powder which can be molded by heat and pressure, the step of intimately mixing an uncured dry urea-formaldehyde resin when in powder form with a curing accelerator consisting of tri-ethyl phosphate in an amount such that the PO_4 content is approximately 0.1 per cent to 2.0 per cent of said dry resin, said curing accelerator remaining ineffective at storage temperatures but being capable under the action of molding heat and pressure of accelerating the curing of the molding powder into an infusible mass.

2,250,663

MOLDING POWDER OF UREA-FORMALDEHYDE RESIN CONTAINING A CURING ACCELERATOR

James Martyn Walter, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 14, 1938, Serial No. 240,381. In Great Britain November 19, 1937
6 Claims. (Cl. 260—69)

1. In the process of preparing a molding powder which can be molded by heat and pressure, the step of intimately mixing an uncured dry urea-formaldehyde resin when in powder form with a curing accelerator consisting of trimethyl phosphate in an amount approximating 0.15 per cent to 3.0 per cent of said dry resin, said curing accelerator remaining ineffective at storage temperatures but being capable under the action of molding heat and pressure of accelerating the curing of the molding powder into an infusible mass.

2,250,664

COMPOSITION OF MATTER AND ARTICLES FORMED THEREFROM

William W. Watkins, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 17, 1937, Serial No. 175,041
11 Claims. (Cl. 260—36)

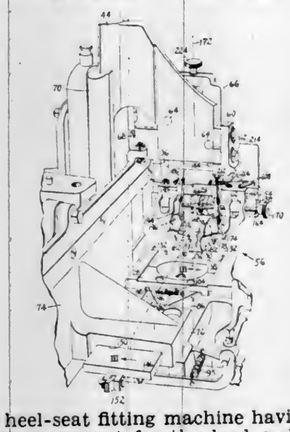
1. A composition comprising polyvinyl alcohol and ethanol formamide.

2,250,665

HEEL-SEAT FITTING MACHINE

John W. French, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application June 7, 1940, Serial No. 339,342
20 Claims. (Cl. 12—31.5)



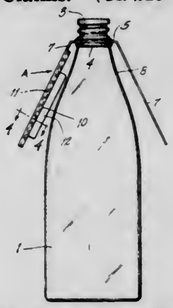
1. A heel-seat fitting machine having, in combination, a support for the heel end portion of a sole, means for forming heel-breast receiving shoulders on the sole and for forming at the lateral margins of the sole beveling cuts which are located immediately rearward of the shoulders respectively, and means for removing material from the heel end portion of the sole by a cut intersecting the beveling cuts made by the first-named means and forming at the rear end of the sole a shoulder which extends in the direction of thickness of the sole from one face of the sole to the other and transversely across the sole from one lateral edge of the sole to the other.

2,250,666

COMBINED LABEL, CAP LOOSENER, AND AUXILIARY CONTAINER

Charles Webb Godefroy, Clayton, Mo., assignor to Godefroy Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application October 31, 1938, Serial No. 237,911
5 Claims. (Cl. 215—46)



1. A combined label and auxiliary container for bottles having necks comprising a perforated portion for fitting over the neck of the bottle, a label portion projecting downwardly from said perforated portion and an auxiliary container secured to said label portion.

2,250,667

POLISHING COMPOSITION AND THE METHOD OF PREPARING THE SAME

Walter A. Hall, Flint, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 22, 1938, Serial No. 203,589
9 Claims. (Cl. 106—5)

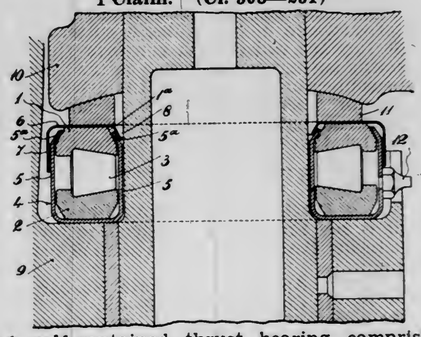
8. In a polishing composition of the oil-in-water emulsion type, the combination of an emulsifying agent of the bodying type and a matting agent comprising essentially water soluble methyl cellulose.

2,250,668

THRUST BEARING

Arthur William Hill, Birmingham, England, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application April 20, 1940, Serial No. 330,709
In Great Britain July 21, 1939
1 Claim. (Cl. 308—231)



A self-contained thrust bearing comprising

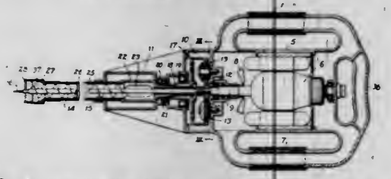
co-operating bearing elements, an annular lubricant-retaining trough-sectioned casing containing the bearing elements and having concentric side walls disposed in the axial direction of the bearing, the outer edges of the said side walls of the casing being closed in over one of the bearing elements, and a flanged ring-shaped cover over the mouth of the casing.

2,250,669
RUG PAD
Edward M. Jamgotchian, Floral Park, N. Y.
Application January 27, 1940, Serial No. 315,895
2 Claims. (Cl. 16—8)



1. A rug pad for preventing slippage of a rug over a pile fabric carpet or the like, comprising a base of heavy fabric, a plurality of pins having heads lying flat against the top surface of said base fabric and having points extending through said base fabric vertically into said pile, said pins being adapted to engage the pile fabric carpet but not to penetrate therethrough into the floor, and a backing secured over said base fabric and over the heads of said pins to secure the same in place and to cooperate with said heads to hold the points in vertical position, said backing being made of a non-slip material suited to engage the under surface of the rug to prevent slippage thereof.

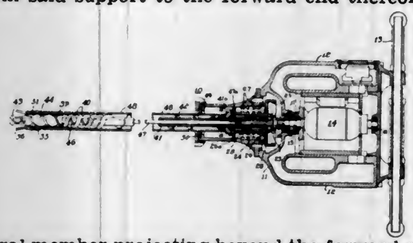
2,250,670
DRILLING APPARATUS
Joseph F. Joy, Pittsburgh, Pa., assignor, by mesne assignments, to Joy Manufacturing Company, Franklin, Pa., a corporation of Pennsylvania
Application January 20, 1939, Serial No. 251,929
16 Claims. (Cl. 255—19)



16. A manually held drilling apparatus comprising a housing, a motor mounted in said housing and having a drive shaft, a conveyor shaft having one end projecting into said housing and connected for rotation with the drive shaft of said motor, a tube surrounding said conveyor shaft, an annular cutter head secured to the forward end of said tube, a cutter secured to the forward end of said conveyor shaft and projecting beyond said annular cutter head, and means connecting said tube to the drive shaft of said motor whereby said tube is continuously rotated in an opposite direction from the direction of rotation of said conveyor shaft.

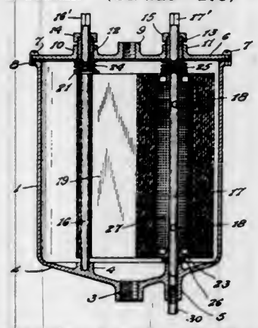
2,250,671
DRILLING APPARATUS
Joseph F. Joy, Franklin, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application April 30, 1940, Serial No. 332,533
19 Claims. (Cl. 255—19)

1. In a rotary drilling apparatus the combination comprising a support, a rotatable tubular shaft having one end journaled in said support, a spiral conveyor on said shaft and extending from said support to the forward end thereof, a



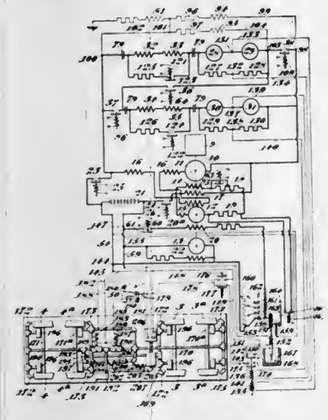
spiral member projecting beyond the forward end of said tubular shaft, a collar secured to said spiral member, and an annular cutter head carried by said collar.

2,250,672
OIL FILTER
Leonard O. Keefer, Spokane, Wash.
Application March 15, 1939, Serial No. 262,052
1 Claim. (Cl. 210—178)



A filter comprising a casing defining a chamber formed with an inlet and having a bottom formed with an outlet surrounded by an inwardly extending boss and a socket spaced from the outlet, a removable cover for said casing, packing glands rising from said cover, a rotatable post disposed vertically in said casing with its lower end rotatably engaged in said socket and its upper portion projecting outwardly through one packing gland of the cover, a vertically disposed perforated outlet tube in said casing having its lower end rotatably received in the outlet and its upper portion projecting outwardly through the other packing gland of the cover, upper and lower discs fixedly carried by said tube adjacent the top and bottom of the chamber, a collar carried by the upper portion of said post, a sleeve of screening surrounding said tube and secured at its upper and lower ends to said discs, a packing washer surrounding said tube between the lower disc and said boss, springs about the tube and post having their ends abutting the cover and collar and upper disc, said springs urging the post and tube downwardly to retain their lower ends in the socket and the outlet and compress said washer to form a seal about the tube under the lower disc, protruding upper ends of the post and the tube being adapted for engagement by turning means, and a strip of filtering material wrapped about the sleeve of screening and extending therefrom and secured at its end to the post whereby upon turning the tube and post clogged portions of the filtering strip will be unwound from the screening and wound upon the post.

2,250,673
ELECTRICAL CONTROL SYSTEM
Charles E. Kew, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application July 31, 1940, Serial No. 348,665
25 Claims. (Cl. 290—17)



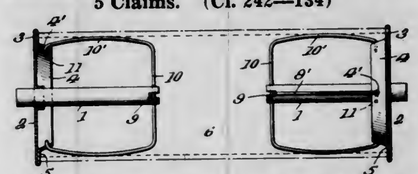
1. In combination, a self propelled vehicle and an automatic wheel slip prevention circuit, said vehicle comprising a plurality of pairs of motors, the motors of each pair being permanently connected in series, a generator supplying current to said motors, means for separately exciting said generator, a prime mover supplying the necessary power to drive said generator and governing means for controlling the ordinary operation of said vehicle; and said wheel slip prevention circuit comprising a plurality of pairs of series resistances, each pair shunting one pair of motors, a plurality of coils, each coil being connected from the terminal common to both motors to the terminal common to both resistors such that upon the occurrence of wheel slippage a current will flow through one of said coils due to an increase in the back electromotive force of the motor driving the slipping wheels, means severally actuated by said coils for interrupting the field excitation of said generator whereby the current supplied to said motors will be substantially reduced, eliminating said wheel slippage and further means for automatically, gradually restoring the excitation to said generator thereby accelerating said motors independent of said governing means.

2,250,674
DIAPHRAGM FOR FUEL PUMPS
Dorman McBurney, Newburgh, N. Y., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del, a corporation of Delaware
Application November 12, 1938, Serial No. 240,203
1 Claim. (Cl. 137—157)



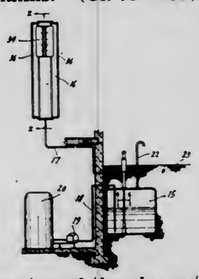
A fuel pump diaphragm capable of withstanding repeated flexings at a high rate comprising a textile fabric impregnated with a composition containing polyvinyl alcohol and a plasticizer selected from the class consisting of ethanol acetamide and ethanol formamide.

2,250,675
ARBOR FOR SPOOLS OR THE LIKE
George B. Markle, Jr., Hazleton, Pa.
Application April 20, 1940, Serial No. 330,793
5 Claims. (Cl. 242—134)



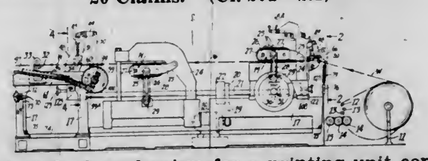
5. An arbor for spools comprising a core having a head at one end, and U-shaped wires at the other end, supporting surfaces carried by said head, the arms of said wires being connected to the supporting surfaces of said head.

2,250,676
LIQUID LEVEL INDICATOR
Adolph F. Meyer, Minneapolis, Minn.
Application February 17, 1938, Serial No. 191,019
4 Claims. (Cl. 73—299)



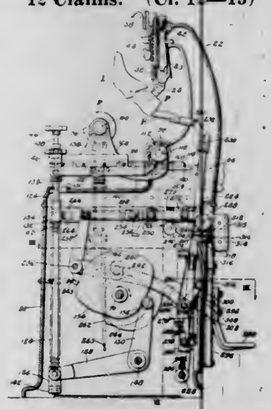
1. In an apparatus of the character described, in combination, a manometer, a filler pipe for a vessel, a hollow member positioned below the filler pipe, said hollow member being of such diameter with respect to that of the filler pipe that it may be passed therethrough, a tube connected between said manometer and hollow member including a portion of the tube within said filler pipe and a different portion of the tube bent around an upper portion of the filler pipe, means for retaining said tube in fixed relation to said filler pipe and for shielding a portion of the tube adjacent and at the outer side of the filler pipe, and means for covering said filler pipe.

2,250,677
FEED MECHANISM FOR PRINTING PRESSES
Christian Paulsen, Clifton, N. J., assignor to New Era Manufacturing Company, Paterson, N. J., a corporation of New Jersey
Application December 6, 1939, Serial No. 307,730
20 Claims. (Cl. 271—2.4)



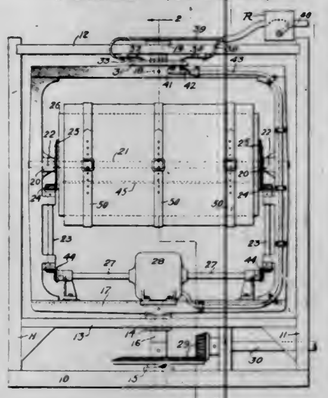
1. A feed mechanism for a printing unit comprising means for intermittently feeding a web to said unit, and means separate from the travelling web and operatively connected with said feeding means for gradually applying tension directly to the web during its forward feed.

2,250,678
MACHINE FOR MOUNTING SHOES ON LASTS
Edward Quinn, Malden, Mass., assignor to The Del-Mac Shoe Process Corporation, New York, N. Y., a corporation of New York
Application March 28, 1939, Serial No. 264,598
12 Claims. (Cl. 12—15)



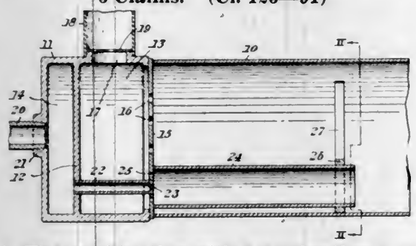
1. In a machine for mounting shoes on lasts, a shoe horn, automatic means for operating said horn to seat the heel end of a shoe upon a last, and means directly controlled by the operator for causing said horn to perform a relasting operation upon the heel end of the shoe in advance of the operation of said automatic means.

2,250,679
APPARATUS FOR USE IN TREATING HIDES, SKINS, AND THE LIKE
Joseph L. Russell, Peabody, Mass., assignor, by mesne assignments, of one-half to Rose E. Russell, Peabody, Mass., and one-half to Donald R. Pope, Danvers, Mass.
Application July 20, 1939, Serial No. 285,535
9 Claims. (Cl. 149—8)



1. An apparatus of the character described comprising a cylindrical drum around the exterior of which the skins, hides or the like are wrapped; means carried by said drum for holding the skins, hides or the like in position thereon; a frame on which said drum is mounted to rotate on its own axis; means supporting said frame for rotary movement on another axis perpendicular to the axis of said drum and intersecting the same midway between the opposite ends of the drum; means for rotating said drum on its axis, and means for rotating said frame on its axis of rotation.

2,250,680
COMBUSTION TUBE BURNER
Floyd F. Schlitt, Cleveland, Ohio, assignor to Lee Wilson Sales Corporation, Cleveland, Ohio, a corporation of Ohio
Application July 11, 1939, Serial No. 283,787
6 Claims. (Cl. 126—91)



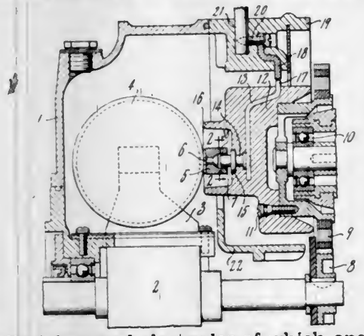
1. The combination with a combustion passage of a transverse plate therein having a plurality of ports distributed substantially uniformly over the entire transverse section of the passage except a small portion adjacent the bottom thereof for supplying air along the passage in commingling streams, a tube extending from said plate into the combustion passage for supplying fuel thereto solely through said small portion, whereby said fuel on combustion ascends through substantially all said air, and means preventing the flow of said air through the portion of the sectional area of the combustion passage immediately adjacent said relatively small portion.

2,250,681
ADHESIVE
George L. Schwartz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 21, 1939, Serial No. 269,097
1 Claim. (Cl. 260—9)

An adhesive composition comprising finely divided unswollen unhydrolyzed starch suspended in an aqueous solution of a polyvinyl alcohol, said polyvinyl alcohol having a viscosity between 1 and 100 centipoises based on intrinsic viscosity in 4% solution at 25° C. and being present in the aqueous solution in an amount within the range of 0.8 to 10%, said starch and polyvinyl alcohol solution being of such amounts by weight that the ratio of starch to polyvinyl alcohol solution is within the range of from 10:90 to 40:60.

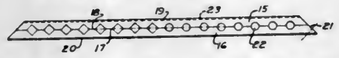
2,250,682
GAP CONNECTOR IN IGNITION GENERATORS
Wolfgang E. Schwarzmann, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application May 9, 1940, Serial No. 334,162
8 Claims. (Cl. 171—209)

1. In a multicylinder ignition system for high tension sparkplugs of an internal combustion engine, a stationary ignition coil having a high tension terminal, a source of intermittent current supply for said coil, a jump spark distributor having a rotatable electrode and a plurality of stationary electrodes for connection to respective sparkplugs, said rotatable and stationary electrodes registering sequentially with an air gap therebetween, and a gap connector electrically connected between said coil terminal and said rotatable electrode of said distributor and having



axially telescoped electrodes of which one is stationary and the other is rotatable with an annular gap between them, the impedance of said gap connector being less than the impedance of any of said distributor gaps.

2,250,683
ACOUSTIC MATERIAL
Cyril A. Slechta, St. Paul, Minn.
Application January 22, 1937, Serial No. 121,842
4 Claims. (Cl. 154—44)



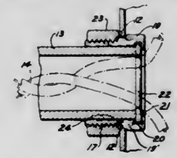
1. An acoustic product comprising an element including a substantially flat sound absorbing surface and a surface including grooves opposite said substantially flat surface, and a second element having a surface including grooves secured to the grooved surface of said first mentioned element, said grooves of the different elements complementing each other to provide sound absorbing channels.

2,250,684
SKI
Bror Walter Svensson, Ostersund, Sweden
Application June 19, 1939, Serial No. 279,790
In Sweden February 22, 1939
2 Claims. (Cl. 280—11.13)



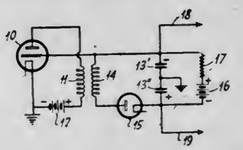
1. A ski having one or more longitudinal guiding grooves on its underface or gliding sole and two or more longitudinal recesses arranged within the side edges of the ski-sole on the line of the guiding groove or grooves, each recess having such a shape that it at the front in relation to the ski is deeper and of greater width than the guiding groove and that it from this former part is of uniform breadth or width along its whole length but gradually decreases to the back part of the ski in depth and gradually merges as well into the guiding groove as into the gliding surface of the ski.

2,250,685
LOCKING DEVICE
Thomas B. Tiefenbacher and William B. Tiefenbacher, Paterson, N. J.
Application November 24, 1939, Serial No. 305,810
2 Claims. (Cl. 285—6.5)



1. A coupling comprising an enlarged annular head having a beveled external shoulder at one side thereof and a longitudinal slot extending through the head and shoulder, a hollow externally threaded shank integral with the head and adapted for receiving and clamping a pipe, said head and shank being provided with a longitudinal slot extending continuously from end to end of said head and shank and disposed at the side of the coupling diametrically opposite the aforesaid slot in the head, and a nut engaging the shank for compressing the shank and head into engagment with the pipe.

2,250,686
SAW-TOOTH WAVE OSCILLATOR
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 17, 1938, Serial No. 230,365
In Germany June 17, 1937
3 Claims. (Cl. 250—36)

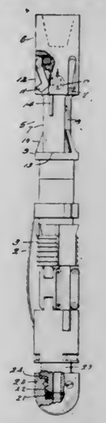


1. A sawtooth wave oscillator comprising a thermionic vacuum tube having anode, cathode, and at least one control electrode, a pair of electromagnetic energy storage means, a uni-directional conductor connected serially with and between said electromagnetic energy storage means, said electromagnetic energy storage means being connected in a current carrying electrode-cathode circuit of said thermionic tube, means for feeding back a portion of the energy in said electromagnetic energy storage means to another of the electrodes of said tube, a pair of capacitive members connected substantially in parallel with said electromagnetic energy storage means and said uni-directional conductor, means for maintaining the common terminal of said capacity means at a fixed reference potential, and means for storing energy in said electromagnetic energy storage means.

2,250,687
MANUFACTURE OF ALLOYS
Helmut von Zeppelin, Bitterfeld, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
No Drawing. Application February 18, 1939, Serial No. 257,199. In Germany March 2, 1938
8 Claims. (Cl. 75—122)

1. A process of producing alloys of a base metal with another metal formed by reduction of an easily volatilizable compound of said other metal which comprises disposing said volatilizable compound together with a reducing agent in a metallic container the metal of which is adapted to alloy with the metal obtained from the volatilizable compound, the container having a melting point above the temperature necessary to cause the reaction of the embedded reduction mixture, and supplying heat to said container so that the reduction of the volatilizable compound takes place first without any appreciable melting of the container and thereafter, at further supply of heat, the container itself melts down and now alloys with the metal obtained from the volatilizable compound.

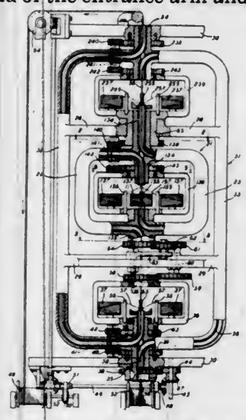
2,250,688
CUT INDICATING INSIDE CUTTER
Kenneth E. Waggener, Brea, Calif.
Application September 30, 1940, Serial No. 358,974
7 Claims. (Cl. 164—0.7)



7. An inside cutting-off tool having relatively movable sections and a cutting stroke recording indicator carried by one of the sections and including a part actuative by the other section to record a cutting stroke; said indicator including a recorder element exposed for ready inspection and mechanism mounted and arranged on one of the sections within the cross-area prescribed by the carrying section, and a member operative by the other section and whereby said mechanism actuates said indicator.

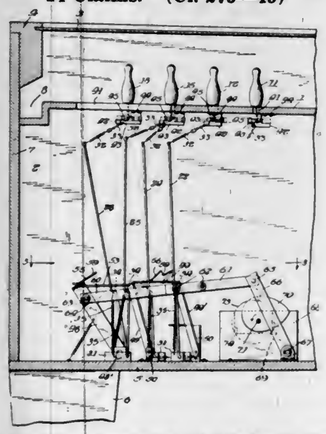
2,250,689
STRAND HANDLING APPARATUS
Leo L. Weaver, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1940, Serial No. 360,580
5 Claims. (Cl. 57—15)

1. Strand handling apparatus for serving cover strands at a plurality of points simultaneously upon a longitudinally advancing torsionally rigid core strand, which apparatus comprises a primary rotatable duplex flier having an entrance arm and an exit arm to receive and guide the core strand, a plurality of stationary supports for cover strand supplies within the flier at respective winding points in sequence between the exit end of the entrance arm and the entrance



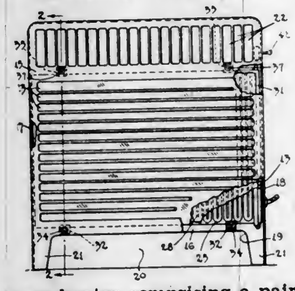
end of the exit arm, and a secondary rotatable duplex flier within the primary flier having an entrance arm and an exit arm to receive and guide the core strand, one of the cover strand supply supports and the winding point associated therewith being within the secondary flier between the exit end of the entrance arm thereof and the entrance end of the exit arm thereof.

2,250,690
GAME APPARATUS
Irven H. Wilsey, Chicago, Ill.
Application July 31, 1939, Serial No. 287,540
14 Claims. (Cl. 273—45)



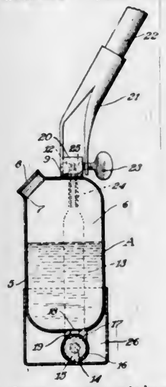
1. In a game apparatus of the kind described, a board providing a playing surface, said board having a slot through the same, a target slidably mounted on said board at said slot, the slot defining a path of travel of the target, means disposed below the board and operatively connected to the target through said slot for releasably maintaining the target in playing position and thereafter automatically moving the target when played on, out of playing position and operative for returning the target back to playing position.

2,250,691
HEATER
Charles H. Wilson and Grover C. Wilson, Minneapolis, Minn.
Application October 9, 1939, Serial No. 298,622
11 Claims. (Cl. 219—38)



1. A space heater comprising a pair of closely positioned glass plates, a relatively flat electric heating element disposed between said plates and in heat conducting relation therewith, said heating element having a resistance sufficient to maintain the temperature of the heating element between 250° and 350° F., and means for supporting said plates to subject the surfaces thereof to the air to be heated.

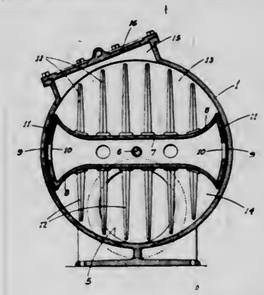
2,250,692
FLOOR WAXER
John S. Wise, Salina, Kans.
Application May 27, 1940, Serial No. 337,553
7 Claims. (Cl. 91—49)



1. A waxing device comprising a container having a bottom provided with a perforated seating projection throughout said bottom for discharge of the contents of said container therethrough, a roller for seating in said projection, hangers supporting said roller, a bar having the hangers engaged therewith and arranged at the top of said container, means tensioning the hangers, a lug on said bar, and a handle for clamping engagement with said lug.

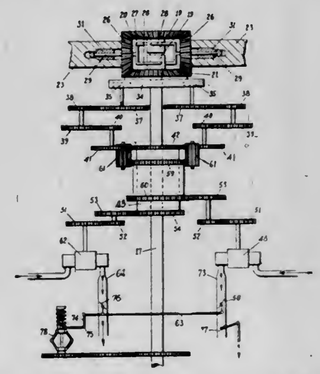
2,250,693
TRAP FOR DREDGER SUCTION PIPE
Charles F. York and Robert C. Malmsten, Rio Vista, Calif.
Application November 1, 1940, Serial No. 363,838
7 Claims. (Cl. 210—167)

5. A debris trap comprising a cylindrical body adapted to be horizontally disposed in a pipe line and having water intake and outlet openings at its ends and below its horizontal axis, a rotatable division wall in the body symmetrically disposed relative to the horizontal axis thereof and dividing the body into separate upper and lower chambers, means mounting the wall for rotation, means to rotate the wall, debris trapping elements projecting vertically from opposite



faces of the wall; the upper chamber having a normally closed debris removal opening, rubber facings secured on the sides of the wall and fitting between said wall and the body, the wall being hollow and having openings exposing the rubber intermediate its top and bottom edges and means to admit fluid under pressure to the interior of the wall.

2,250,694
MECHANISM FOR CONTROLLING THE PITCH OF AIRSCREW BLADES
Grettir Algarsson, Montreal, Quebec, Canada, assignor to Algarsson Engineering Company Limited, Montreal, Quebec, Canada
Application November 15, 1937, Serial No. 174,514
8 Claims. (Cl. 170—163)



1. In an airscrew, a driven shaft, a hub mounted thereon, blades, in which the inherent twisting moments tend to reduce pitch, rotatably mounted in said hub and connected with each other for synchronous rotation in opposite directions, a geared sleeve carried by said hub concentrically about said shaft, a gear train operable from either end connecting said sleeve with said blades for pitch-changing movement, a pump driven by said airscrew through said sleeve, means to load said pump thereby applying a reactive twisting moment through said sleeve and gear train to the airscrew blades to increase their pitch in opposition to the inherent twisting mo-

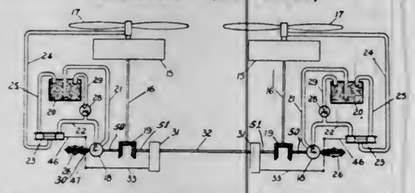
ments, and a governor regulating said means to increase or decrease the load on said pump as the rotational speed of the airscrew increases or decreases thereby increasing, maintaining or permitting decrease in pitch of the airscrew blades.

2,250,695

SYNCHRONIZING MECHANISM FOR AIRCRAFT ENGINES

Grettir Algarsson, Montreal, Quebec, Canada, assignor to Algarsson Engineering Company Limited, Montreal, Quebec, Canada

Application February 7, 1938, Serial No. 189,021
11 Claims. (Cl. 60—97)



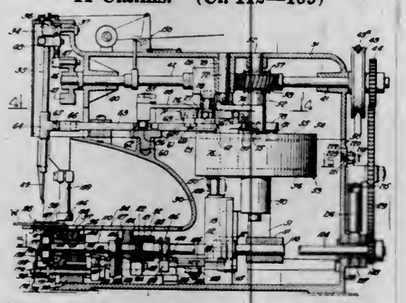
1. In multi-engined aircraft, a lag drive device for each engine, each lag drive comprising a gear driven by the engine, a driven shaft journalled in the lag drive device, a gear mounted on the driven shaft, a pair of gears, each meshing with one of the first mentioned gears, a second shaft splined to rotate with one of said pair of gears and so threaded into the other as to provide a direct drive from the engine to the driven shaft but permitting the driven shaft to overrun the engine causing relative rotation of said pair of gears to produce linear movement of said second shaft, said movement effecting control of the corresponding engine to increase its speed, and a transmission connecting the driven shafts of all the lag drive devices for equal rotation thus causing the fastest engine to drive all said driven shafts.

2,250,696

SEWING MECHANISM

Samuel W. Avis, Providence, R. I., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine

Application October 14, 1938, Serial No. 235,012
11 Claims. (Cl. 112—159)



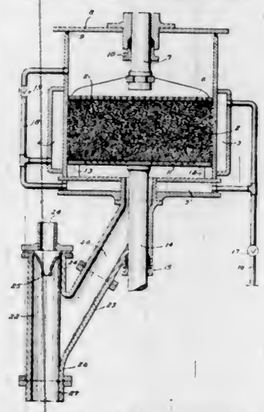
1. In a sewing machine, the combination of a reciprocating and laterally movable needle; a laterally immovable thread-handling element rotatable about an axis transverse to the direction of lateral movement of the needle; and two permanently meshing helical gears rotatable about parallel axes, the driven gear thereof being drivingly connected with said element and one of said gears being axially movable relative to the other gear.

2,250,697

METHOD AND APPARATUS FOR THE MANUFACTURE OF CORK ARTICLES

Arthur W. Bassett, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application July 14, 1939, Serial No. 284,563
10 Claims. (Cl. 18—1)



6. The method of reclaiming resin from natural cork comprising passing superheated steam through a mass of comminuted natural cork to liberate the resin therein and volatilize a portion at least thereof, condensing the steam after passage through said mass by bringing the same into the path of a spray of water and separating the congealed resin from the water.

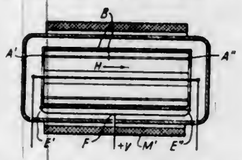
7. In an apparatus for the manufacture of cork articles the combination of a molding chamber for the reception of cork particles to be treated, an injector for directing steam into said mass, a conduit for exhausting steam from the molding chamber, and means for directing a spray of congealing liquid into the exhausting steam at a point adjacent its exit from the molding chamber.

2,250,698

MAGNETRON

Sylvain Berline, Paris, France, assignor to Compagnie Generale de Telegraphic sans Fil, a corporation of France

Application November 3, 1938, Serial No. 238,516
In France December 10, 1937
3 Claims. (Cl. 250—27.5)



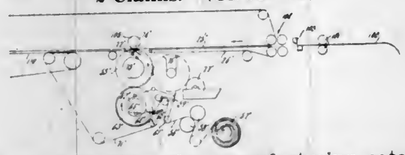
1. An electron discharge device having an envelope containing a straight thermionic cathode, an anode surrounding said cathode and comprising a plurality of parallel segments, a disc at one end of said segments and electrically connecting the adjacent ends of all of said segments together and provided with an aperture through which said cathode extends, said segments being the only segments surrounding the cathode along their axial length, and means for inducing a magnetic field between said cathode and anode and parallel to said cathode.

2,250,699

MACHINE FOR MAKING SATCHEL-BOTTOM BAGS

Ludwig Bischoff, Rockville Centre, N. Y., assignor to Oneida Paper Products, Inc., New York, N. Y., a corporation of New York

Original application June 23, 1936, Serial No. 86,750. Divided and this application March 2, 1940, Serial No. 321,957
2 Claims. (Cl. 93—27)



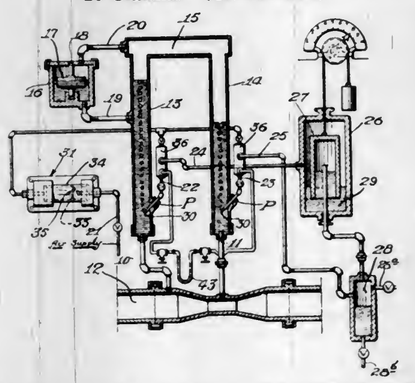
1. In a machine for manufacturing satchel-bottom bags, a crimping drum having spaced belts passing partially thereabout for holding the longitudinal edges of a diamond-folded bag blank against the surface of the drum, said drum being provided with clamping means and a resilient block in spaced relation, in combination with a pair of creasing blades mounted adjacent the surface of said drum, the foremost of said blades being adapted transversely to crease the foremost point of the diamond-fold and to tuck the crease so formed into said clamping means and the second of said creasing blades being adapted to crease the trailing point of the diamond-fold by pressing the same against said resilient block, means traveling faster than said bag blank to overtake and whip the said trailing point down onto the intermediate portion of the diamond-fold, a roll adjacent said crimping drum presenting therewith converging travelling surfaces adapted to fold the foremost point of said diamond-fold into overlapping relation with the trailing point, and means located prior to the foregoing mechanism for adhesively securing a patch to the foremost point of said diamond-fold with the patch extending beyond the said point whereby the patch will be caused to cover the overlapped points when positioned by said foregoing mechanism.

2,250,700

AIR-OPERATED METER

Moro M. Borden, Philadelphia, Pa., and Allen W. Sweeten, Pitman, N. J., assignors to Simplex Valve & Meter Company, Philadelphia, Pa., a corporation of Delaware

Application July 16, 1938, Serial No. 219,628
10 Claims. (Cl. 73—205)



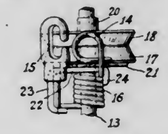
3. In metering means of the class described, a fluid flow conduit having means establishing zones of different pressure therein, a piezometer tube communicating with each zone, a source of gaseous pressure, an outlet from said source for and continuously discharging into each piezometer tube, outlet means for said tubes communicating with an area of lower pressure than that of said source, valve means controlling said outlet means and operated by the liquid level in at least one of said tubes, and a device operated by the pressure differential in the outlets from said source.

2,250,701

YARN TAKE-OFF AND TENSION MEANS

Peleg B. Briggs, Mystic, Conn., assignor to The Atwood Machine Company, Stonington, Conn., a corporation of Connecticut

Application March 11, 1940, Serial No. 323,393
6 Claims. (Cl. 242—150)



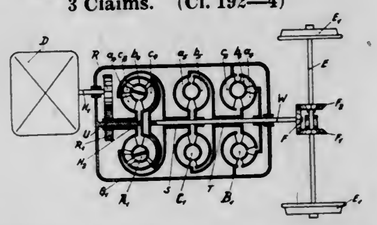
1. A take-off and tension device for textile machines comprising in combination, a supporting rod, spaced wires having a connecting portion coiled about and frictionally engaging said rod to support said wires in adjusted positions thereon, strand guiding means at the opposite extended ends of said wires, and tensioning means for said strands supported in position by said coiled wires.

2,250,702

TURBOTRANSMISSION FOR BRAKING OF VEHICLES

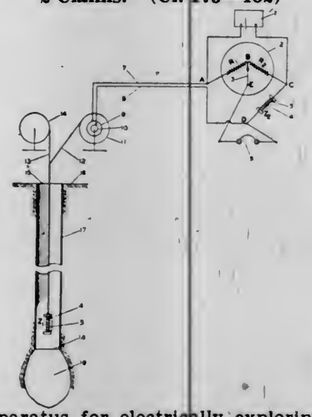
Faic Canaan, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y.

Application February 1, 1938, Serial No. 188,095
In Germany February 3, 1937
3 Claims. (Cl. 192—4)



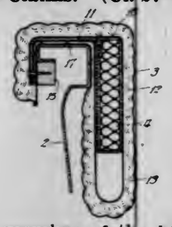
1. A vehicle comprising means for driving the driven members of the vehicle, and a turbobraking convertor adapted to receive working fluid for braking said driven members, said convertor including a primary rotor drivingly connected to said driving means, a stationary reversing guide wheel, and a secondary rotor drivingly connected to said driven means, said secondary rotor being disposed between the primary rotor and the reversing guide wheel and being so arranged radially that the fluid entrance and exit portions of said secondary rotor are on substantially equal diameters, whereby the direction of flow of said working fluid during the braking operation shall be maintained in a unidirectional path, said path being from the primary rotor to and through the secondary rotor and from there to the reversing portion of the stationary guide wheel.

2,250,703
APPARATUS FOR LOCATING CASING SEATS
Wilbur J. Crites and William C. Rodgers, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application November 18, 1938, Serial No. 241,270
2 Claims. (Cl. 175—182)



1. Apparatus for electrically exploring a well bore, comprising an electro-magnetic device, a source of electrical potential connected across the device, means for moving the device through the well bore, means for indicating the instant the device is moved to the juncture of regions of different magnetic permeability in the well bore, and a measuring line connected to the device for ascertaining the depth of the device in the well bore.

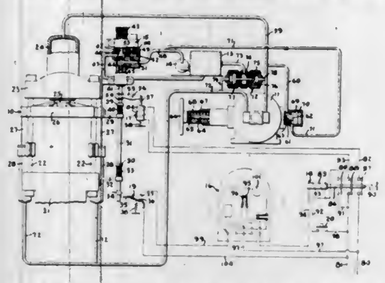
2,250,704
CASKET DROP
Richard J. Donnelly, Cleveland, Ohio, assignor to F. H. Hill Company, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 22, 1938, Serial No. 186,268
6 Claims. (Cl. 27—19)



1. A casket member of the kind described for attachment to a casket to provide a couch effect, comprising a body portion of a resilient material, and a flexible attaching flap extending from said body portion, for securing said member to the casket side wall.

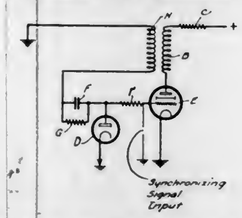
2,250,705
AUTOMATIC PRESS CONTROL SYSTEM
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application August 31, 1939, Serial No. 292,932
2 Claims. (Cl. 60—52)

1. A hydraulic press control system comprising in combination, a liquid operable and reciprocable main plunger, a reversible pump for supplying pressure fluid to actuate said main plunger in opposite directions, a pilot pump feeding a hydraulic circuit for reversing said reversible pump, valve means controlling the supply of liquid from said pilot pump to said reversing circuit, means normally biasing said valve means into one position, a press control element comprising two axially aligned unconnected parts mounted for movement parallel to said main plunger, an electric operator having means connecting the same to the first of said parts whereby energization of said electric operator will operate said first part, said valve being connected to the first of said parts and adapted to be actuated thereby against said biasing means,



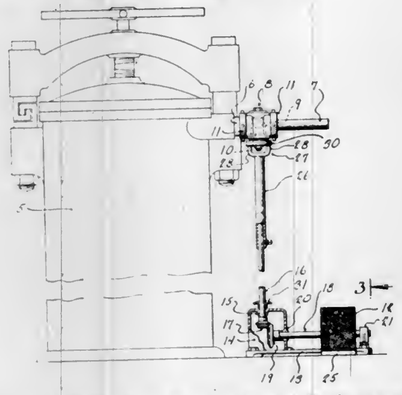
means on said second part whereby the same may be actuated by said main plunger during part of its movement in one direction, both of said parts being actuated in the same direction by said main plunger and said electrical operator, additional means on said second part whereby movement of said main plunger in the opposite direction operates said second part in said opposite direction, an electric switch mounted for actuation by said second part, when the same is moved by said additional means, and means actuated by said switch for de-energizing said electric operator whereby said biasing means moves said valve means to reverse said reversible pump and cause the retraction of said main plunger.

2,250,706
SAW-TOOTH WAVE GENERATOR
Max Geiger, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 29, 1938, Serial No. 232,271
In Germany March 19, 1937
2 Claims. (Cl. 250—36)



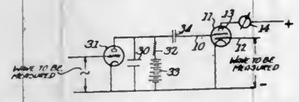
1. In a relaxation oscillation generator a thermionic tube having anode, cathode and at least one control electrode, a time constant circuit comprising the parallel combination of resistance means and condenser means connected serially with the control electrode and in the control electrode-cathode circuit of said tube, means for feeding back a portion of the energy of the anode-cathode circuit to said control electrode-cathode circuit, and diode means comprising an anode and a cathode connected so as to charge the condenser means in said time constant circuit during anode current flow in said tube, said diode being connected substantially in parallel with the control electrode-cathode space discharge path of said thermionic tube and having its anode connected between said control electrode and said time constant circuit.

2,250,707
SAUSAGE STUFFER
Norman C. Gross, Milwaukee, Wis.
Application October 27, 1938, Serial No. 237,180
8 Claims. (Cl. 17—35)



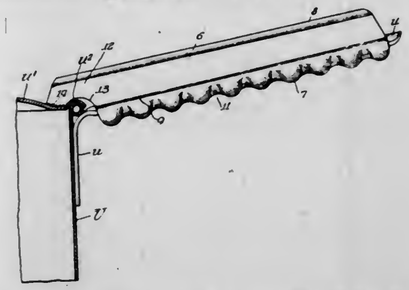
1. In a sausage stuffer having a discharge nozzle through which plastic material such as sausage meat may be extruded under high pressure into a sausage casing applied to the nozzle: a valve for controlling the passage of such plastic material through the nozzle comprising, a valve body having an inlet and an outlet; a rotatable plug in the valve body having a port for connecting the inlet and outlet in one position of rotation; means for positively turning the plug in both directions including a driven rotatable shaft; and a readily separable driving connection between the shaft and the plug comprising, cooperating parts on the shaft and plug engageable with a wedge-like action upon relative axial movement between the shaft and plug in one direction to take up play between the shaft and plug.

2,250,708
TIME INTERVAL MEASURING MEANS
Friedrich Herz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 13, 1938, Serial No. 184,905
In Germany December 5, 1936
2 Claims. (Cl. 171—95)



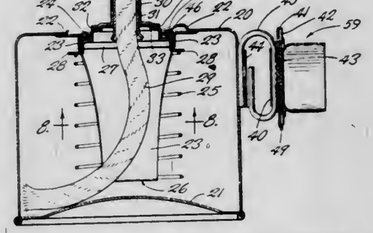
1. An apparatus for measuring the time interval between two electric waves which comprises means for developing from one of said waves a linearly changing wave, means for combining said linearly changing wave and the other of said waves and means for measuring the amplitude of said linearly changing wave at the time of combining of the two waves.

2,250,709
AUXILIARY HANDLE
Frederick E. Hummel, Chicago, Ill.
Application October 28, 1940, Serial No. 363,100
13 Claims. (Cl. 53—8)



11. As a new article of manufacture an auxiliary handle for use in connection with a pot type utensil having an outwardly projecting handle and a cover, and adapted when in use to be slid onto and around the utensil handle and having means at its inner end for engaging and holding the cover on the utensil.

2,250,710
FLARE
Raymond F. Hutt, Fort Madison, Iowa
Application March 10, 1937, Serial No. 130,134
7 Claims. (Cl. 67—55)

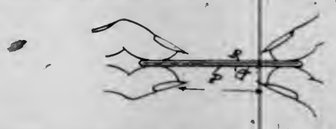


5. In a device of the class described, a fuel reservoir having a circular orifice in the top thereof, a burner movable upward and downward through said orifice, a ridge encircling said orifice and an annular member about said orifice having a series of inclined flanges extending inwardly toward said ridge, and a circular cap for said orifice provided with a compressible member to engage said ridge, a series of feet to engage said inclined flanges, and means to engage and hold said burner when said reservoir is capped.

2,250,711
TRUE SIZE GLOVE PALM AND BACK STRETCH INDICATOR
Carl Hugo Johanson, Los Angeles, Calif.; Oscar W. Houge executor of Carl Hugo Johanson, deceased
Application August 16, 1939, Serial No. 290,464
1 Claim. (Cl. 33—2)

A glove size indicator including a pair of laterally separable, interpivoted, generally oblong-shaped, thin wedge-section blades in coplanar relation and the blades having handles

extending from their pivoted ends and closable to swing the blades open, spring means normally closing the blades to an abutted position at their inner edges, a glove-size, index scale pivoted on one blade outwardly from the blade pivot and a pointer likewise pivoted on the other blade and



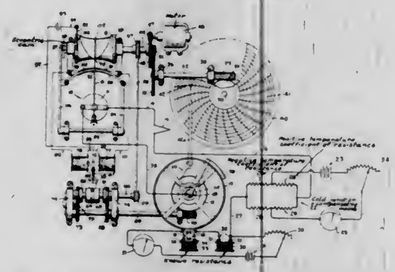
movable over the scale to show correct size marking for a glove stretched by the inserted indicator; the scale and the pointer being mutually interpivoted on an axis outwardly of the blade pivot, and the scale and pointer extending across the axis of the blade pivot and toward the handles.

2,250,712

MEANS FOR INDICATING AND/OR RECORDING UNKNOWN QUANTITIES

Manfred J. Johnson, Naugatuck, Conn., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn.

Application July 9, 1938, Serial No. 218,295
8 Claims. (Cl. 73—361)



5. In a temperature measuring instrument of the type described, a calibrating slide wire; a thermoelectric couple; means for automatically compensating for errors in measurements due to changes in temperature of the cold end of the thermoelectric couple including a separately energized bridge, the resistance of which is independent of the resistance of the slide wire; and means for adjusting the millivolt range of the instrument whereby the scale of the instrument may be correspondingly adjusted, said means including a manually removable resistance comprising a plug-like coil adapted to be connected across the terminals of the slide wire for altering the resistance between the same and being replaceable by a like but quantitatively different resistance.

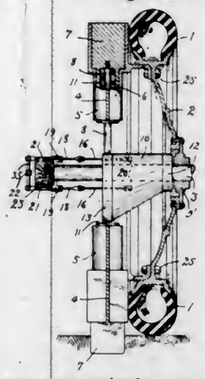
2,250,713

AUXILIARY TRACTION DEVICE

Sam R. Johnson, Altamont, S. Dak.

Application July 19, 1940, Serial No. 346,403
6 Claims. (Cl. 301—47)

1. An auxiliary traction device for heavy pneumatic tired vehicles comprising an axle extending beyond the rear wheels of said vehicle, a disc mounted upon said vehicle wheels, lugs equally spaced about and carried by said disc and extendable radially therebeyond to engage the ground, means for normally holding said lugs retracted, a cam carried upon the vehicle axle having a surface concentric with the vehicle axle on which the lugs normally ride, and a surface eccentric thereto, and means for sliding said cam on said axle so that the lugs ride on said eccentric



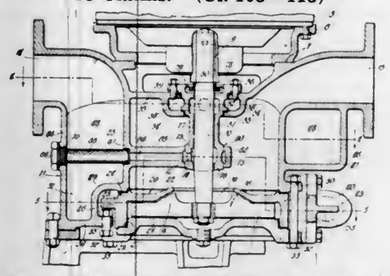
surface and are successively extended to ground engaging position as the wheel rotates.

2,250,714

CENTRIFUGAL PUMP

Harry E. La Bour, Elkhart, Ind.

Application November 15, 1937, Serial No. 174,522
18 Claims. (Cl. 103—113)



1. In a self-priming centrifugal pump having an impeller with a vertical impeller shaft, a liquid sealing sleeve loosely disposed about the shaft and forming with the shaft a gap adapted to be rendered gas tight by the introduction of liquid, means to trap a charge of priming liquid in the pump, and a duct extending from the delivery side of the impeller to the inside of the sleeve for delivering a flow of said trapped liquid to the inside of the sealing sleeve and into said gap during priming to seal the shaft during priming, said flow of liquid being wholly internal of the pump, and being produced by rotation of the impeller.

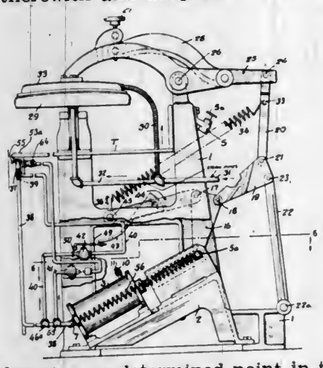
2,250,715

GARMENT-PRESSING MACHINE

William N. Lauer and Walter A. Hoch, Forest Hills, N. Y., assignors to New York Pressing Iron Co. Inc., New York, N. Y., a corporation of New York

Application September 10, 1938, Serial No. 229,234
8 Claims. (Cl. 38—40)

1. A garment-pressing machine comprising a power cylinder having a piston movable thereon, a movable pressing-head connected to said piston, said cylinder having an inlet pipe-line adapted to be connected to a source of fluid under pressure, first valve-means adapted to control said inlet pipe-line so as to admit or exclude the fluid, a by-pass pipe connected at one end thereof to said power cylinder in advance of the connection between said cylinder and said inlet pipe-line and also connected at the other end thereof to said inlet pipe-line in advance of said first valve-means so that fluid can pass from the inlet pipe-line to the by-pass pipe when said first valve-means are closed, a normally closed by-pass valve located in said by-pass pipe, control means connected to said pressing head and movable in unison therewith and adapted to open said by-



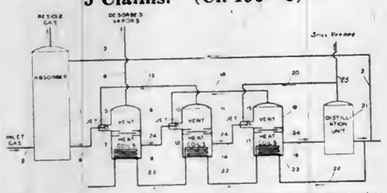
pass valve at a predetermined point in the closing movement of the machine, and then to keep said by-pass valve open until a predetermined point in the opening movement of the machine, an exhaust valve connected to said cylinder and of greater capacity than said by-pass valve, means adapted to operate said exhaust valve, means adapted to open the machine when the pressure in the power cylinder falls below a predetermined pressure.

2,250,716

PROCESS OF SEPARATING VAPORS

Harold R. Legatski, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 15, 1938, Serial No. 240,592
5 Claims. (Cl. 196—8)



1. The process of separating highly volatile vapors from a solution under high pressure comprising contacting said solution in a plurality of stages at successively lower pressures with vapors liberated from said solution in subsequent stages and utilizing the pressure drop of said solution passing from stage to stage to move the vapors from stage to stage in the opposite direction.

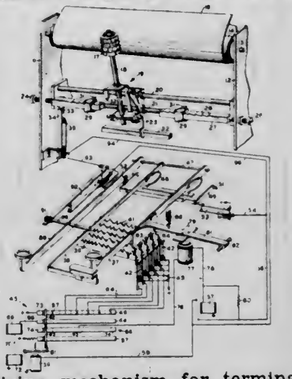
2,250,717

TELEGRAPH APPARATUS

James W. Long, Plainfield, and George I. Roberts, Cresskill, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application August 1, 1939, Serial No. 287,684
25 Claims. (Cl. 178—25)

21. In a telegraph system, a keyboard controlled signal transmitter normally operative to transmit a single code group of impulses on each actuation of a key lever, a recording mechanism selectively responsive to code groups of impulses transmitted from said transmitter, key lever controlled means for initiating the transmission of a succession of code groups and means including



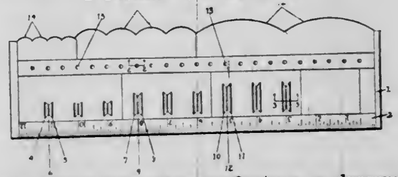
said receiving mechanism for terminating the transmission of said succession of code groups.

2,250,718

DRESSMAKING APPLIANCE

Effie Elizabeth McCloud, Cleveland, Ohio

Application May 4, 1939, Serial No. 271,767
1 Claim. (Cl. 33—190)



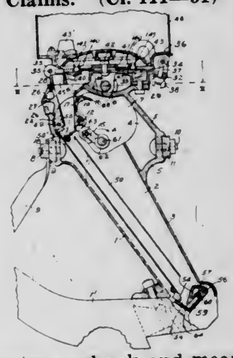
As a new article of manufacture, a dressmaking appliance provided with a plurality of sets of graphical pattern-defining templates each comprising three closely adjacent, equispaced and parallel bound-button-hole-defining lines, the middle line of each set being shorter than the other two, and said sets of buttonhole defining lines being predeterminedly spaced apart a greater distance than the spacing between the lines of each set.

2,250,719

PLANTER

John D. McKahin, La Crosse, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

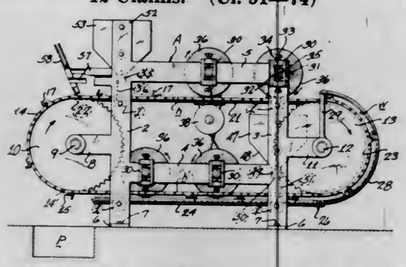
Application April 1, 1939, Serial No. 265,421
25 Claims. (Cl. 111—51)



25. In a planter, a shank and means for controlling the passage of seed through said shank,

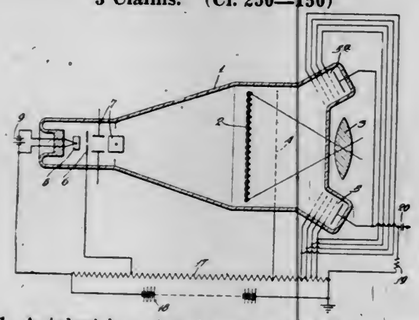
said means comprising a valve member pivoted on an axis in fixed relation to said shank, a tubular member adapted to receive seed released by said valve member and reciprocable endwise relative to said shank, and means pivotally connecting said tubular member with said valve member on an axis radially spaced from said pivot axis of said valve member.

2,250,720
POLISHING MACHINE
Herman M. Morris, St. Louis, Mo.
Application October 23, 1939, Serial No. 390,758
12 Claims. (Cl. 51—74)



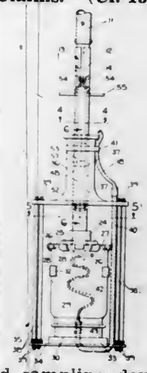
4. A polishing machine comprising first and second polishing means disposed in spaced planes one elevated over the other, and conveyor means including an arcuate way for progressing work-pieces successively beneath the first polishing means, then through said way for inverting the work-pieces, and then beneath the second polishing means.

2,250,721
IMAGE STORAGE TUBE
Rolf Möller, Klein Machnow, and Werner Hartmann, Zehlendorf, near Berlin, Germany, assignors to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany
Application February 4, 1939, Serial No. 254,592
In Germany February 8, 1938
3 Claims. (Cl. 250—150)



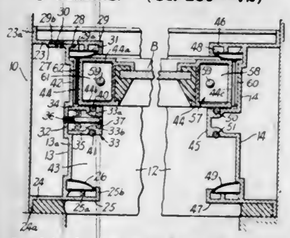
1. A television signal generating device comprising a plurality of photoelectric sources, means for developing a spot of light of substantially constant brightness, means for effecting movements of said spot across said source in accordance with a scanning pattern to cause said sources to emit electrons in successive order, photoelectric mosaic means adapted to have an optical image focused thereon for collecting portions of the electrons emitted from each of said sources in accordance with variations in the illumination over said image, and means for collecting the remainder of said emitted electrons to produce a signal representing said image.

2,250,722
LIQUID DEPTH SAMPLING DEVICE AND METHOD OF OBTAINING SAMPLES
Richard D. Nichols, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application January 12, 1939, Serial No. 250,561
7 Claims. (Cl. 137—18)



1. In a liquid sampling device, the combination with an elongated handle, of a liquid container open at its bottom carried thereby, pump means to pump air into said container while it is submerged including a hose extending through said open bottom and terminating at the top of the inside of the container, means to allow air to flow from said container at a gradual rate, and means to close said open bottom of said container.

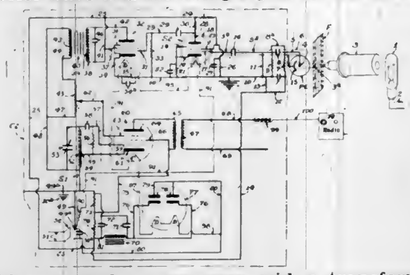
2,250,723
WINDOW CONSTRUCTION
Edmund Peremi and Louis Toth, Manhasset, N. Y.
Application May 20, 1939, Serial No. 274,694
5 Claims. (Cl. 189—72)



2. In a double hung window, in combination, a frame member, a stop bead extending substantially at right angles from said frame member, a resilient weather strip secured to said stop bead and coextensive longitudinally therewith, a second stop bead secured to said frame member and forming with said first-mentioned stop bead a sash guiding channel, a metallic sash slidably mounted in said channel, and a non-resilient metallic sealing and lubricating member mounted in said second stop bead and adapted to support in sliding engagement said sash forced thereagainst by said weather strip.

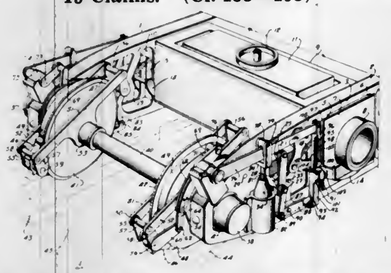
2,250,724
APPARATUS FOR REPRODUCING SOUND ON FILM
Jacob Rabinowitz, Brooklyn, N. Y.
Application June 16, 1938, Serial No. 214,016
4 Claims. (Cl. 179—100.11)

1. In a device for the reproduction of sound from an optical sound record by a radio receiver having an antenna circuit responsive to a modulated carrier wave, the combination with an exciter supplied with ordinary house current and a photo-electric cell for receiving light from the exciter modulated by the optical sound record, of an audio-frequency amplifier having its input connected to the photo-electric cell, an oscillator including a plate for supplying a high frequency carrier wave and including a grid for modulating



said wave and a suppressor grid, a transformer having its primary connected to the output of the amplifier and its secondary connected to the first named grid of the oscillator to modulate the carrier wave, and a closely coupled radio choke having its primary connected to the plate of the oscillator and to the second named grid of the oscillator and the secondary of said choke inductively coupled to the antenna circuit of said radio receiver.

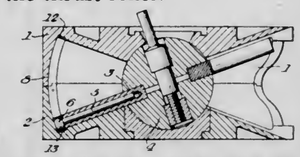
2,250,725
BRAKE MECHANISM
Willard G. Ransom, Homewood, Kans.
Application December 1, 1939, Serial No. 307,090
15 Claims. (Cl. 188—195)



1. In a brake mechanism including a rotary element to be retarded and a braking element engageable therewith, the combination of power means for setting the braking element in braking engagement with the rotary element, a load supporting element, control means responsive to tangential pull on the braking element for counteracting the effective force exerted by said power means, and counterbalancing means for initially balancing said counteracting forces to a predetermined amount of the load carried by the load supporting element.

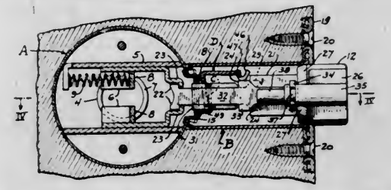
2,250,726
DISK METER
Herbert F. Sacknus, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 14, 1938, Serial No. 184,977
5 Claims. (Cl. 121—69)

1. A fluid meter comprising a meter chamber, a disk in said chamber journalled for nutating motion therein, a slot in the wall of the meter chamber, a lining strip of wear resisting material in said slot, and a thrust roller journalled on said disk and extending into said slot, at least one end of the lining strip being curved to conform on its interior substantially to the surfaces of the thrust roller.



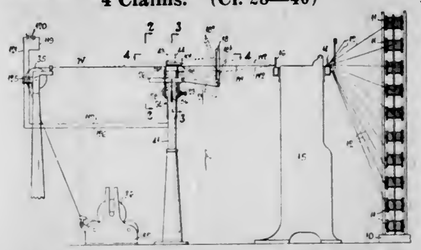
5. An insert for the guide slot in the disk chamber of a nutating disc meter comprising a strip substantially of hair-pin shape with its ends bent over inwardly, the whole liner being formed on a curve corresponding to the wall of the chamber.

2,250,727
DOOR LATCH
Walter R. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application June 3, 1940, Serial No. 338,458
11 Claims. (Cl. 292—169)



9. In a latch structure of the character described a spring saddle comprising a foot lug, a pair of spaced arms connected at one end with said foot lug and disposed at right angles thereto, each arm having a perforation formed therein for the reception of a guide rod, and each arm having a spring seat, and a right-angularly bent lug on the opposite end of each arm.

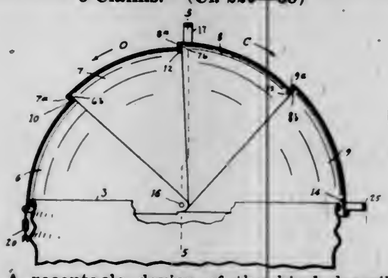
2,250,728
APPARATUS FOR FORMING LEASES IN WARPS
James W. Sherrill, McAdenville, N. C., assignor of one-half to Daniel J. Stowe, Belmont, N. C.
Application August 13, 1940, Serial No. 352,451
4 Claims. (Cl. 28—40)



1. In apparatus for placing lease threads in a moving warp, a plate disposed transversely of the warp, a pair of vertically movable combs disposed below the plate and having their splits slidably penetrating holes in the plate and normally projecting a substantial distance above the plate and forming dents through which the

warp threads pass, a vertically movable shed forming device through which the warp threads pass, means for inserting a lease thread through a shed in advance of each comb, a clamp disposed on each end of the plate for clamping the lease threads, means for simultaneously lowering the combs so that their upper ends will be disposed below the upper surface of the plate and for opening said clamps to allow the lease thread to be carried along by the moving warp.

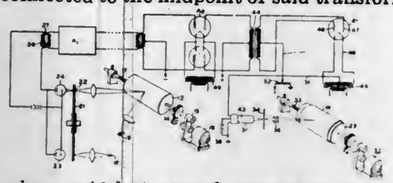
2,250,729
RECEPTACLE
Earl F. Smith and Guy Kenneth Wilson, Muncie, Ind.
Application August 28, 1939, Serial No. 292,260
5 Claims. (Cl. 220—38)



5. A receptacle device of the kind described, consisting of an open container, a closure therefor consisting of embowed cover segments arranged in overlapping relation their contiguous body portions embodying complemental interengaging lips of a depth to provide clearance between said segments, the contiguous opposed side portions of said segments being pivotally interconnected at their ends and the said closure being of diameter when in expanded status to surround the mouth rim of the container, a chain to limit the distance of movement of the underlying end segment, brackets integrated with the opposite sides of the container and embodying cheeks positioned adjacent to the plane and which are offset from the transverse axis of said mouth rim, a band embodying a handle and which is secured to the outward edge of the overlying end segment and whose end portions are projected beyond the pivotal points of said segment and are pivotally interconnected with the said cheeks, inwardly directed lugs provided on the intermediate segments and the overlying end segment to limit the distance of travel of these segments, one upon the other, and a handle integrated with and adjacent to the lipped portion of the intermediate segment that is interengaged with the said overlying end segment.

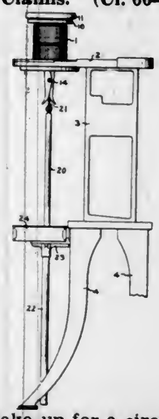
2,250,730
ELECTRICAL REPRODUCING APPARATUS
Louis G. Stewart, Rutherford, and Raleigh J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 11, 1937, Serial No. 163,424
6 Claims. (Cl. 178—7.4)

1. In combination in a facsimile receiver, a glow discharge device, an amplifier, an output transformer having its primary connected to said amplifier, a rectifier comprising two anode elements, the opposite ends of the secondary of said transformer being connected to said rectifier anodes, a connection from the cathode of said rectifier to an element of said discharge device, the remaining element of said discharge device being connected to the midpoint of said transformer



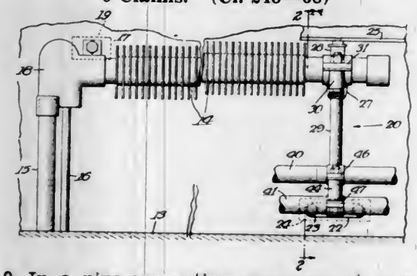
secondary, said last named connection including a source of biasing potential for said device.

2,250,731
FABRIC TAKE-UP
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application February 24, 1939, Serial No. 258,236
7 Claims. (Cl. 66—149)



1. A fabric take-up for a circular knitting machine including in combination an inner member for projection upwardly within a stocking top and spring pressed elements having fabric engaging jaws at either side of said inner member for engaging the fabric in cooperation with said inner member and of such construction as to be capable of holding the fabric against the inner member with a force sufficient to support the take-up and draw the fabric from the machine.

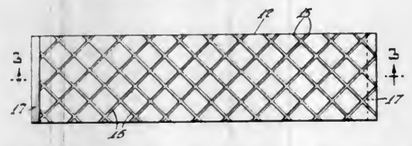
2,250,732
PIPE SUPPORTING ARRANGEMENT
Sami R. Svendsen, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application October 7, 1938, Serial No. 233,740
9 Claims. (Cl. 248—68)



9. In a pipe-supporting arrangement, a fixed

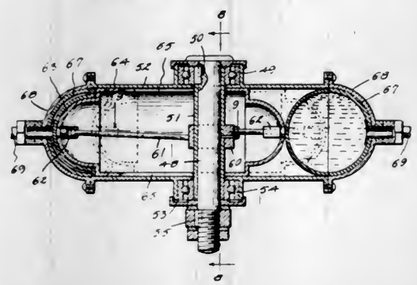
vertically disposed supporting member, a swinging bracket mounted on said supporting member for pivotal movement in a horizontal plane, and a bracket mounted on said swinging bracket for pivotal movement in a horizontal plane relative thereto adapted to support a pipe.

2,250,733
WALL FLASHING
George E. Swenson, Hastings on Hudson, N. Y., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application July 25, 1938, Serial No. 221,054
4 Claims. (Cl. 72—127)



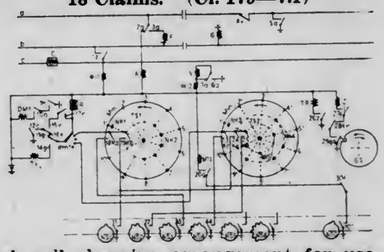
1. A resilient and waterproof flashing sheet comprising a sheet of asphalt saturated felted fiber board, a surface thereof having a plurality of diagonal intersecting channels extending across the board from edge to edge, each channel comprising a receptacle for mortar as well as a duct for conveying capillary seepage water from a wall in which the flashing sheet is incorporated.

2,250,734
DIRIGIBLE HEADLIGHT
Wallace S. Thompson and Walter V. Moore, Elk Park, N. C.
Application September 26, 1939, Serial No. 296,648
3 Claims. (Cl. 240—62.3)



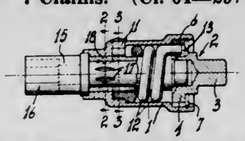
1. In dirigible headlight mechanism, motion transmitting means comprising a cylinder having rounded heads at the ends, a piston in the cylinder having rounded heads at the ends, a rotatable shaft mounted transversely of the cylinder, the piston being longitudinally slotted to receive the shaft, means for connecting the shaft to the tie rod of vehicle steering mechanism for turning the shaft axially as the tie rod is moved endwise, a pulley fixed to the shaft within the piston, a cable wound upon the pulley and secured at the ends to respective heads of the piston for moving the piston endwise when the shaft is turned, rubber balls filled with fluid medium and confined between the rounded heads of the cylinder and the rounded heads of the piston, and fluid conducting pipes entering the heads of the cylinder and communicating with the balls for operating hydraulic headlight mechanism when the balls are alternately deformed by movement of the piston.

2,250,735
TELEPHONE SYSTEM
Herbert Töpfer, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk, Siemensstadt, near Berlin, Germany
Application February 3, 1938, Serial No. 188,402
In Germany February 24, 1937
18 Claims. (Cl. 179—7.1)



1. A call charging arrangement for use in a communication system in which calls may be extended over connections having different values, including a member having a normal position, a plurality of impulse senders, means for rendering different ones of said impulse senders effective at different times during a call over a connection, impulse responsive means operated by said different impulse senders to advance said member step by step from its normal position an amount dependent both upon the value of said connection and upon the duration of the call thereover, means for restoring said member to its normal position after the call has been terminated, and call charging means controlled by said member during its restoration to said normal position.

2,250,736
TORQUE WRENCH
Carel T. Torresen, Santa Monica, Calif.
Application December 19, 1939, Serial No. 309,972
7 Claims. (Cl. 64—29)

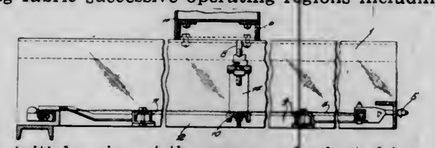


6. A torque wrench comprising a substantially cylindrical housing, a head rotatably adjustable in one end of the housing, a socket shaft projecting from the other end of the housing, a sleeve in the housing, the shaft being fitted in the sleeve, a spring under tension attached at one end to the head and at the other end to the sleeve, and means releasable under excess torque connecting the sleeve and the socket shaft.

2,250,737
APPARATUS FOR SCREENING MATERIALS
Don A. Weber and Spencer A. Stone, Fort Wayne, Ind., assignors to The Deister Concentrator Company, Fort Wayne, Ind., a corporation of Indiana
Application May 15, 1939, Serial No. 273,713
2 Claims. (Cl. 209—310)

1. A screening apparatus of the character described, comprising, a stationary support, an elongated screen fabric, means for mounting said fabric by its ends in said support in a downwardly sloping position and for vibrating movement perpendicular to its plane, said mounting means being constructed to apply endwise tension to said

fabric, a framework having longitudinally and laterally extending members and secured to said fabric so as to frame a portion thereof extending laterally to points near its side edges and longitudinally to points intermediate its middle and its ends but substantially spaced from both, and vibrating mechanism connected to vibrate said frame with substantially equal amplitude throughout, whereby to establish on the vibrating fabric successive operating regions including



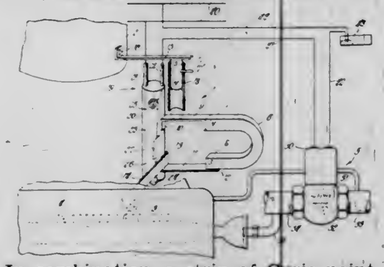
an initial region at the upper end adapted to receive material as fed to the screen and in which the amplitude of vibration increases progressively from its upper end downwardly, an intermediate region defined by said frame in which the amplitude of vibration is a maximum and substantially constant, and a final region at the lower end of said fabric in which the amplitude of vibration decreases progressively toward the bottom end thereof.

2,250,738

TEMPERATURE ACTUATED SAFETY SYSTEM

Robert A. Wittmann, Chicago, Ill., assignor to Chicago By-Products Corporation, a corporation of Illinois

Application March 24, 1938, Serial No. 197,773
14 Claims. (Cl. 158—117.1)



1. In combination, a strip of Curie point material thermally coupled to a member subject to heating, said strip extending to a point remote from the member and being adapted to dissipate heat, a permanent magnet attracted to and suspended by the strip so long as it is at a temperature substantially below its Curie point, said magnet dropping away from and being removed from the thermal and magnetic influence of the strip when the strip is heated to substantially its Curie point temperature and control means responsive to dropping of the magnet.

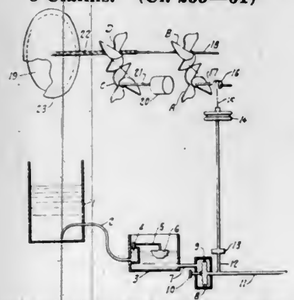
5. A temperature actuated control mechanism comprising, in combination, a magnetic electric switch having a spring conductor carrying a magnetic armature, the spring holding the lower contact end of the spring conductor in contact with a pool of mercury when the magnetic armature is not sufficiently attracted to break the contact, a permanent horseshoe magnet constituting a source of flux for attracting the magnetic armature, a pole extension of Curie point material disposed adjacent to one of the poles of the permanent horseshoe magnet and spaced therefrom by an air gap, constituting a path for the flux from said adjacent pole, a heat conductor of Curie point material spaced above the other pole of the permanent horseshoe magnet, and a permanent bar magnet disposed in a guide for intermovement between the heat conductor of Curie point material and said other pole of the permanent horseshoe magnet, the adjacent poles of the permanent bar magnet and the permanent horseshoe magnet being of similar polarity.

2,250,739

MEASURING AND CALCULATING APPARATUS

William M. Ahlstrom, Mentor, and Richard J. Tischler and Frank H. Parsons, Fairport Harbor, Ohio

Application August 5, 1938, Serial No. 223,284
8 Claims. (Cl. 235—61)



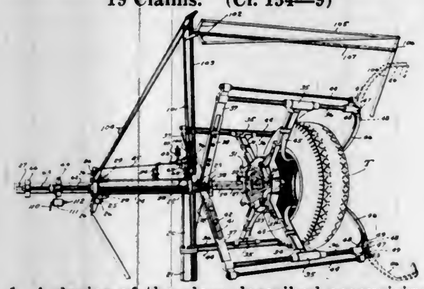
1. In a calculating device, a machine element comprising a pair of logarithmic spiral cams bearing upon each other, a pair of logarithmic spiral sheaves, one fixed to each of said cams and angularly displaced in regard thereto, and a flexible connector passing over said sheaves and urging said cams against each other, the sheaves being so displaced with respect to the cams that the connector at all times passes through a line parallel to the axes of the cams and through their point of contact.

2,250,740

TIRE CASING SPREADER

Gustav I. Anderson, Minneapolis, Minn., assignor to Ke Hawke Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota

Application February 3, 1939, Serial No. 254,412
19 Claims. (Cl. 154—9)



1. A device of the class described comprising a support, a carrier rotatably mounted on said support, inner and outer tire casing-engaging grapples mounted on said carrier for rotation therewith and for axial separation and for radial movements thereon, primary and secondary thrust bars at the axis of rotation of said carrier, said primary bar having connections imparting lateral separation of said sets of grapples and said secondary thrust bar having connections for imparting radial inward and outward movements to said grapples.

2,250,741

HOLDER FOR ROTARY BALLS OR BOBBINS

Alphons Baruch, New York, N. Y.

Application October 3, 1940, Serial No. 359,479
2 Claims. (Cl. 242—136)



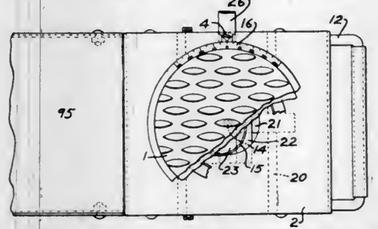
1. A holder for yarn balls comprising a bracelet, a ball piercing bodkin, mean to rotatably suspend said bodkin from said bracelet, the latter being composed of a bead chain, an end bead being housed in the upper end of said bodkin and forming a direct rotatable connection between the latter and the said bracelet.

2,250,742

CHASSIS ANALYZER

Claude C. Bennett, Seattle, Wash., assignor to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington

Application May 21, 1934, Serial No. 726,713
11 Claims. (Cl. 33—203)



1. A device for use in wheel gauging operations, comprising a base plate, a cover plate secured upon and spaced above the base plate, rectilinear guide means secured to the cover plate, a slide received in said guide means, and disposed between the said plates, a rectilinear guide carried by said slide and extending transversely to the direction of movement of the slide, a second slide received in said second guide, and disposed between the plates, a rotative bearing carried by said second slide, a turntable disposed above the cover plate and rotatively engaged with the said bearing, the cover plate having an enlarged aperture for the protrusion of the bearing, whereby the turntable has universal movement in its own plane.

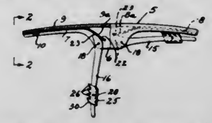
2,250,743

CLASP

Richard Besocke, Arcadia, Calif., assignor to H. H. Helbush

Application September 30, 1939, Serial No. 297,307
3 Claims. (Cl. 24—81)

2. A clasp of the class described comprising a channeled front bar and a rear bar pivotally secured adjacent one end within the channel of the front bar, spring means mounted in the channel and bearing against said pivotally secured end of the rear bar whereby to urge the opposite end



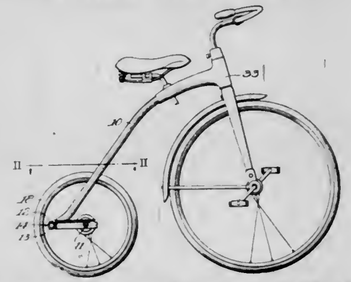
of the rear bar into the channel of the front bar, and fabric gripping means on the rear bar, including a U-shaped shoe mounted astride the rear bar with its open end facing the front bar, each of the legs of the shoe defining said open end presenting a row of fabric engaging teeth.

2,250,744

VELOCIPEDE

Marshall A. Blu, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application June 9, 1937, Serial No. 147,297
4 Claims. (Cl. 280—291)



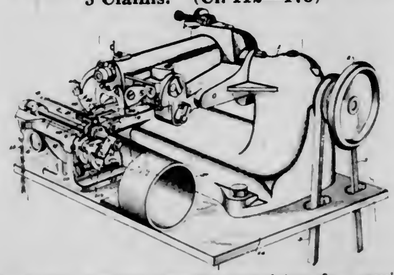
1. A velocipede comprising a rear axle, a platform including a stand plate having depending side flanges through which spaced parts of the axle pass, means uniting an intermediate portion of said plate to an intermediate part of said axle, a backbone, and means including a depending flange on said plate and spaced substantially horizontally rearwardly from said axle for securing said backbone to said platform.

2,250,745

BLIND STITCH SEWING MACHINE

Mario Buono, Brooklyn, N. Y., assignor to U. S. Blind Stitch Machine Corporation, New York, N. Y., a corporation of New York

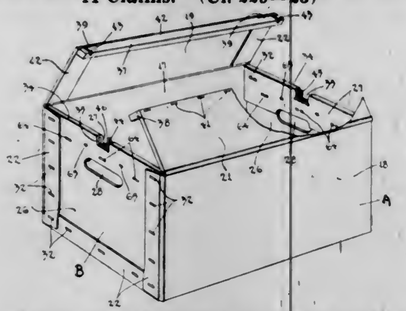
Application May 6, 1939, Serial No. 272,105
5 Claims. (Cl. 112—178)



1. A blind stitch sewing machine for sewing a sleeve lining to the body of a sleeve which has an inturned cuff at its free end and which has longitudinally overlapping portions at said free

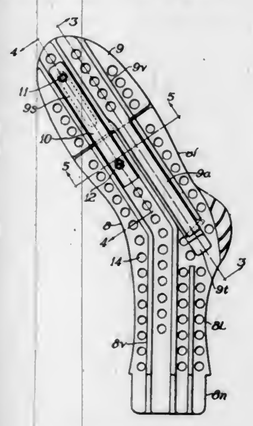
end, comprising a curved needle, means adapted to oscillate said needle in a predetermined path, a movable work-table having a portion thereof located below said path and movable up-and-down relative to said path, a sleeve-support connected to said table and located at one side of said path, said sleeve-support being adapted to turnably support said sleeve so that the free end of the sleeve and the edge of its inturned cuff are located laterally at opposite sides of said path, a lining-guide located below said path and adapted to guide the movement of a lining-member with the edge-portion of said lining-member in position to be pierced by said needle, bight-forming means adapted to form a bight in the material of the sleeve and to upwardly bend the folded edge-portion of said lining-member so that said bight and said edge-portion are intersected by the needle in a stitch-forming stroke thereof, said bight-forming means having a body and also having an element which is yieldably mounted on said body, said element being movable relative to said body in an up-and-down direction relative to the path of the needle, spring-means yieldingly maintaining said element in predetermined normal relation relative to the body, whereby said element can move relative to said body in proportion to the thickness of the work, a supplemental movable finger having a recess in its bottom-face, said supplemental finger being located above said bight-forming means, said recess of said finger being vertically aligned with said bight-forming means so that the material which is supported on said bight-forming means can be forced into said recess, a spring adapted to downwardly move the supplemental movable finger.

2,250,746
BOX
John H. Burr, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application March 1, 1940, Serial No. 321,645
11 Claims. (Cl. 229—23)



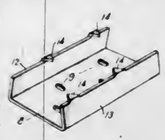
1. A box open at the top comprising side and end walls and a bottom connected therewith, a cover for the box comprising flaps hinged to two opposite walls of the box and extending substantially in a common plane when in closed position to effect a closure for the box, cleats secured to said cover flaps upon the undersides thereof and situated at the meeting edges of the cover flaps, the other walls of the box having recesses formed therein for the reception of the ends of the cleats, said cleats having grooves therein at the locality of said recesses on the facing surfaces thereof, and engaging members secured to said end walls, said engaging members having tongues adapted to enter said grooves to restrain movement of the cleats with respect to the walls of the box.

2,250,747
ADJUSTABLE HOSIERY FORM
William M. Cissell, near Louisville, Ky.
Application January 26, 1940, Serial No. 315,669
3 Claims. (Cl. 223—77)



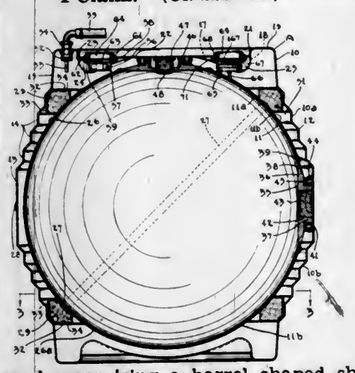
1. An adjustable hosiery drying form comprising, a foot member having toe and heel portions respectively; an extensible toe element slidably mounted on the said foot member, and adapted to be moved longitudinally outwardly relative to the toe portion thereof, for adjustably varying the length of the said foot member; a leaf spring fixedly secured to the said foot member, and operatively engaging the said toe element, for frictionally retaining the said toe element in its adjustable positions; and a stop pin fixedly secured to the free end of the said spring; the said toe element having a slot formed longitudinally therein and receiving the said pin, for limiting the said outward movement of the said toe element.

2,250,748
SEAL
Joseph T. Cooper, Los Angeles, Calif.
Application October 7, 1940, Serial No. 360,145
3 Claims. (Cl. 24—23)



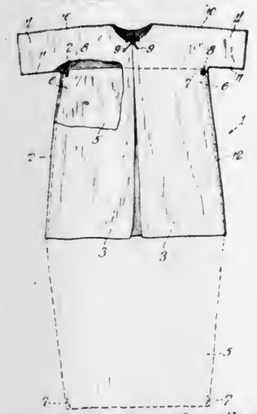
2. A sealing device comprising a body portion to receive thereon material to be sealed, lateral flange means arranged on the body portion and bendable toward the body portion and to clasp material on the body portion, the body portion having at least one opening, and at least one projection on the flange means projecting from the outer edge of a flange means, the projection means being disposed to project inwardly in line with the opening toward the body portion and being of a length less than the distance between the bent flange and the body portion for upsetting portions of the clasped material into the body opening, and the body opening being of substantial width and length for receiving substantial portions of the upset material, and elongated in a direction transversely of the body portion and flange.

2,250,749
BARREL
Richard T. Cornelius, Minneapolis, Minn.
Application April 6, 1939, Serial No. 266,330
1 Claim. (Cl. 220—10)



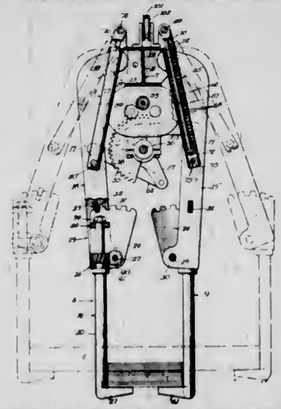
A barrel comprising a barrel shaped shell, a spherical shaped container within the shell, said shell having a bung in one end of the barrel communicating with said container and a similar bung in the side of the barrel communicating with the container, said container being constructed of two hemispherical dome shaped parts connected together at their edges to form a circumferentially extending seam therebetween, each of said parts having an opening therein communicating with one of said bungs, said openings being substantially of the same dimensions and being situated substantially the same distance from the seam to make both parts substantially identical in construction and to provide in each part substantially equal amounts of material between the edges of the openings and the closest portions of the seam.

2,250,750
INFANT'S GARMENT
Alice M. Cole, New York, N. Y., assignor of one-half to John A. Dienner, Evanston, Ill.
Application November 9, 1940, Serial No. 364,978
1 Claim. (Cl. 2—75)



A garment of the class described comprising a rear portion and a front portion, said front portion being connected to the rear portion over the shoulders and under the arms, and defining armholes and a neck opening, the rear portion comprising a full length back panel and the front portion comprising two substantially full length panels connected along the sides of the back panel and an extension of the back panel, said extension being adapted to be folded up over the lower part of the body of the wearer and disposed under the front panels, the free end of the extension having corners which are releasably fastened to the body of the garment in the region of the arm holes to form a band across the chest of the wearer and to maintain the extension in position to enclose the lower part of the body of the wearer.

2,250,751
LIFTER
Edward V. Cullen, Erard J. Shaughnessy, and Charles J. Tupy, Chicago, Ill., assignors to Cullen-Friestedt Company, Chicago, Ill., a corporation of Illinois
Application March 30, 1940, Serial No. 326,922
16 Claims. (Cl. 294—117)

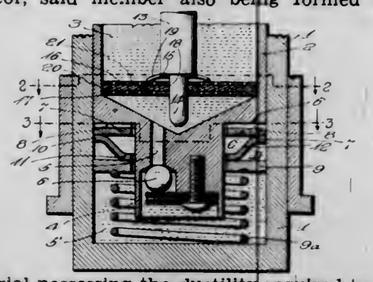


1. A lifter adapted for use in handling sheets and other articles and comprising a pair of opposed horizontally elongated jaws mounted to move to and from one another, one of said jaws embodying a plurality of upstanding laterally spaced and aligned L-shaped members having the upper ends thereof mounted rotatably so that said members may be turned back and forth between an operative position wherein the bottom legs thereof face inwards and an inoperative position wherein said legs are substantially longitudinally aligned, means for conjointly shifting the members of said one jaw back and forth between their operative and inoperative positions comprising a horizontal rotatable shaft extending lengthwise of said one jaw and carried by the latter adjacent the upper ends of the members and pairs of meshing gears between the shaft and said upper ends of the members, and means for conjointly shifting the jaws to and from one another.

2,250,752
VALVE TAPPET
Ernest L. Dayton, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 10, 1937, Serial No. 173,909
3 Claims. (Cl. 123—90)

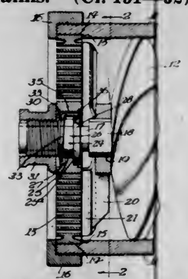
1. In a valve tappet, a cylinder having a reservoir therein, a plunger having a body slidably engaging the side walls of the cylinder, a seal comprising a member positioned at the end of the plunger body adjacent the reservoir and

movable with the plunger, said member having a circular edge portion offset from the central portion thereof in the general direction of the axis of the plunger and engageable with the cylinder wall throughout the circumference thereof, said member also being formed of a



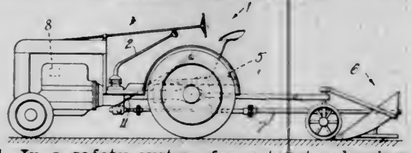
material possessing the ductility required to provide for spreading of the member under the action of pressure applied to the member in the general direction of the plunger to intimately engage the circular edge of the member with the cylinder walls.

2,250,753
LOCKING MEANS FOR BEARING STUDS AND NUTS
Charles W. Dieckmann, Chicago, Ill.
Application November 1, 1939, Serial No. 302,329
6 Claims. (Cl. 151—32)



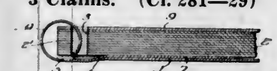
1. Means for rotatably supporting one end of a shaft in a non-rotatable plate which is provided with central recesses in both of its faces, comprising a bushing provided with a flange at its inner end fitting into the recess in the inner face of the plate, a nut screw-threaded to the outer end of the bushing for clamping the bushing and the plate together, and spring-means in the outer face of the plate and between the plate and the nut for retaining the nut against rotation.

2,250,754
TRACTOR SAFETY CONTROL
Clarence H. Dooley, Rock Island, Ill., assignor of one-third to himself, one-third to Delmar D. Dooley, Rock Island, Ill., and one-third to H. Keith Dooley, Los Angeles, Calif.
Application December 20, 1939, Serial No. 310,124
22 Claims. (Cl. 180—82)



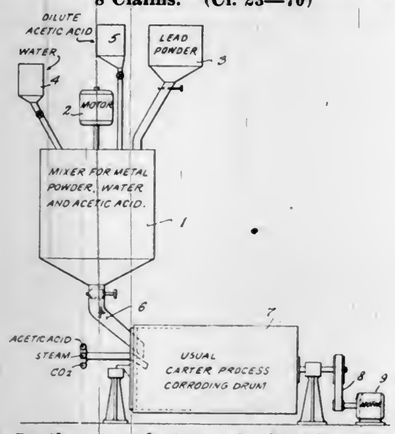
1. In a safety system for a tractor having an internal combustion engine operating under automatic governor control, the combination of an ignition disabling device, a plurality of power transmitting mechanisms movable to gear positions and to neutral positions, a movable support for supporting the operator and movable under the weight of the operator, and a control member responsive jointly to the movements of said power transmitting mechanisms and said movable support for operating said ignition disabling device.

2,250,755
BOOK AND BINDING FOR SAME
Emil N. Farkas and Frank F. Farkas, Chicago, Ill.
Application September 6, 1938, Serial No. 228,478
3 Claims. (Cl. 281—29)



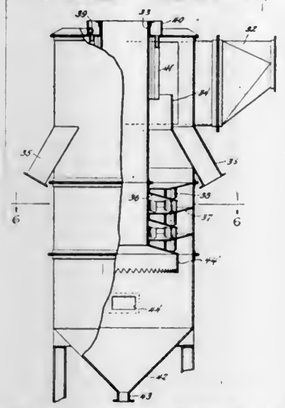
1. In a device of the kind described, a plurality of leaves, a flexible cover member for said leaves, said leaves having a plurality of apertures therein adjacent one end thereof, said cover member having a plurality of slits therein and extended at one end to form a plurality of tongues integrally connected with said member, said slits being positioned adjacent to and aligned with said tongues, the latter being bent transversely to said cover at their juncture therewith and passing through the apertures in said leaves, the free ends of said tongues passing around the ends of said leaves adjacent the juncture of said tongues and cover to form substantially complete rings, and through the slits in said cover.

2,250,756
MANUFACTURE OF WHITE LEAD
Allan W. Ferguson, Buffalo, N. Y., assignor to Oxides, Inc., Buffalo, N. Y.
Application September 26, 1938, Serial No. 231,782
8 Claims. (Cl. 23—70)



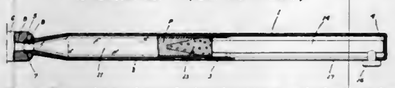
8. In the manufacture of white lead by the "Carter process," in which subdivided metallic lead is treated in a corroding chamber simultaneously with water, acetic acid and carbon dioxide, that improvement which comprises premixing the metallic lead in finely divided powder form of such fineness that when moistened, it tends to cake and form balls and the mechanical mixing and working which it would receive in a slowly rotating drum will not overcome such tendency, with water, in liquid form and a small amount of acetic acid, and mechanically working and mixing the powder with sufficient violence to overcome this tendency to cake and form balls until all of the powder particles are loose and uniformly coated with water and acid, and then treating the moistened powder in a corroding chamber with water, acetic acid and carbon dioxide until it is converted into white lead.

2,250,757
GAS AND LIQUID CONTACT COLUMN
Ernest F. Fisher, Boston, Mass.
Application August 3, 1938, Serial No. 222,906
3 Claims. (Cl. 183—21)



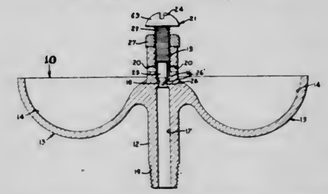
2. In a gas cleaning apparatus, an upright cylindrical casing provided with a gas outlet at the top, an axial outlet tube depending from said outlet to a space within the lower portion of said casing, a plurality of annular disc-shaped plates extending inwardly from the wall of the casing, a plurality of similar plates extending outwardly from said tube between and in staggered relation to said first named plates, a tangential gas inlet to said casing above said plates, an annular series of vertically disposed curved deflecting blades extending between each pair of plates, said plates and said blades being arranged in association with the wall of said casing and said tube to confine the gases to a continuous path from said inlet to said space, and means to supply liquid to the upper surface of an upper plate so that gravity and the flow of gases distribute said liquid over the surfaces of said blades.

2,250,758
FOUNTAIN TOOTHBRUSH
Charles P. French, Turlock, Calif.
Application June 13, 1939, Serial No. 278,884
2 Claims. (Cl. 15—137)



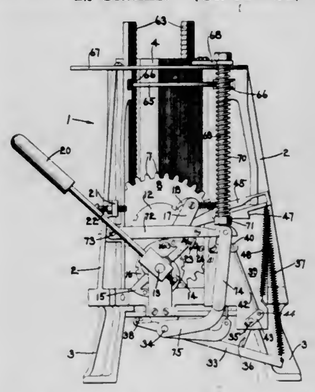
1. In a fountain brush including a tubular handle, a head on one end of the handle, bristles on the head, there being a passage through the head between the tubular handle at one end and said bristles, a separate paste filled cartridge disposed in the tubular handle and having one end open and in communication with said passage, the cartridge being substantially one-half the length of the tubular handle, a movable plug in the other end of the cartridge, and manually actuated means to effect movement of said plug toward one end of the cartridge; said means comprising a longitudinally extending centrally disposed plunger rod slidably positioned in the handle beyond the plug, said rod being of relatively small diameter and substantially the same length as the cartridge and adapted to engage and move said plug, a plurality of circumferentially spaced radial ribs supporting and guiding said rod, said ribs being of a length to support the rod for substantially its entire length when said rod is disposed in retracted position, a radial pin fixed on the rod adjacent its outer end, the handle having a longitudinal slot therein between adjacent ones of said ribs and through which slot said pin projects for hand engagement.

2,250,759
POULTRY WATERING FOUNTAIN
Edgar A. Gardner, Los Angeles, Calif.
Application October 16, 1940, Serial No. 361,363
6 Claims. (Cl. 119—74)



1. In a poultry fountain, a stem, a pair of oppositely extending integral trough portions intermediate the length of said stem, each of said trough portions having an open topped recess therein, said stem having a recess therein, means to supply water to said recess, and means above the fluid level in said trough portions to deliver water from the recess to the trough portions.

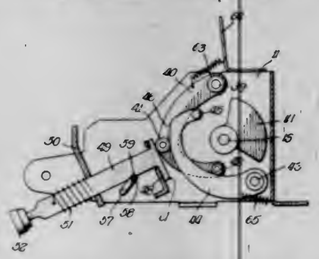
2,250,760
DISPENSING MACHINE
Sigmund A. Gratcyk, Arthur L. McWethy, Thomas P. Russell, and Blanche Eibink, Grand Rapids, Mich.
Application October 10, 1938, Serial No. 234,130
12 Claims. (Cl. 31—24)



11. A dispensing apparatus comprising, a supporting structure, means for guiding the substance being dispensed, means to rotate said guide means, means in said guide means to cut the substance in one direction, tiltably mounted cutting means to both cut the substance in another direction and to discharge the portion of the sub-

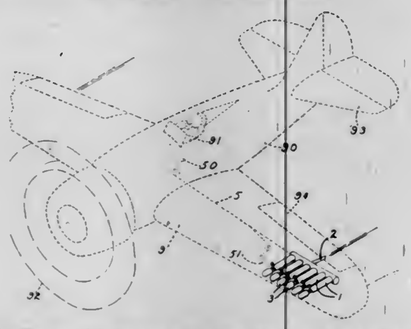
stance so cut, and means to automatically and simultaneously actuate said rotating means and both of said cutting means.

2,250,761
RADIO TUNING APPARATUS
Edmund A. Gschwind, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 7, 1940, Serial No. 360,021
10 Claims. (Cl. 74—10)



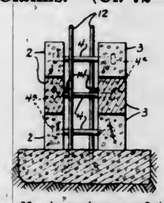
1. Radio tuning apparatus comprising a tuning element, a cam shaft having a driving connection with the tuning element, a cam adjustably carried by the cam shaft, said cam having a pair of cam surfaces, a pair of levers pivotally supported adjacent the cam, each lever having means adapted to coact with one of the pair of cam surfaces, and means for swinging the levers about their pivots to cause coaction of said means with the cam to rotate the cam shaft.

2,250,762
CHEMICAL DISCHARGING MEANS FOR AIRCRAFT
John F. Haberlin, Seattle, Wash., assignor, by mesne assignments, to Boeing Airplane Company, Seattle, Wash., a corporation of Delaware
Application September 30, 1938, Serial No. 232,691
26 Claims. (Cl. 244—136)



1. In combination with the wing of an airplane, and with a propeller mounted upon the airplane, a separable container for a chemical harmful to the airplane or to persons, said container being disposed in the wing tip, and substantially entirely within the aerodynamic contour thereof, a rearwardly-directed nozzle for the discharge of such chemical into the air stream, projecting well beyond the wing and disposed outside the slip stream from the propeller, means operable by the pilot to release such chemical from the container for discharge through said nozzle and emergency means operable to drop the container bodily from the aircraft structure.

2,250,763
REINFORCED WALL AND FOUNDATION STRUCTURE
Raymond L. Hild, San Jose, Calif.
Application November 8, 1939, Serial No. 303,389
4 Claims. (Cl. 72—44)



1. A hollow wall structure of the character described comprising inner and outer blocks spaced apart to form an intermediate space, said blocks being tied together in pairs by cross rods embedded therein, and a rigid reinforcing steel frame disposed within the space between the blocks and welded to the cross bars.

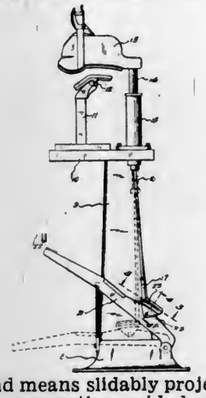
2,250,764
METALLIC BUILDING UNIT
Frank L. Hoess, Hammond, Ind.
Application August 28, 1939, Serial No. 292,262
3 Claims. (Cl. 189—86)



2. In a wall covering comprising in combination a plurality of metallic strips and a plurality of hooked securing clips, each of said metallic strips being provided with oppositely disposed hook-like flanges along the longitudinal edges thereof, the intermediate portion of each said strips being concavo-convex in transverse section, said strips being applied to a wall in horizontal tiers with the hook-like flanges along the top edge of the strip interlockingly engaging the hook-like flange along the bottom edge of the next above strip, said concavo-convex portions providing means for utilizing the flexibility of the intermediate portion of each strip for maintaining the interlocked hook-like flanges in weather-tight association.

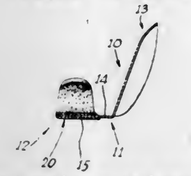
2,250,765
LEVER CONNECTION
Charles Johnson, Detroit, Mich.
Application May 19, 1939, Serial No. 274,545
3 Claims. (Cl. 74—516)

1. In combination, a lever rockably mounted adjacent one of its ends; a connecting member embodying a pair of spaced plates; means for rockably mounting said spaced plates adjacent one of its ends in embracing relation on said lever intermediate its ends; spacing means for spacing said plates apart, said spacing means limiting the rocking movement of said connecting member on said lever beyond a predetermined distance, there being an elongated slot formed in said plates and said spacing means and extending longitudinally of said lever; a



draw rod; and means slidably projectible through said slot for connecting said draw rod to said connecting member.

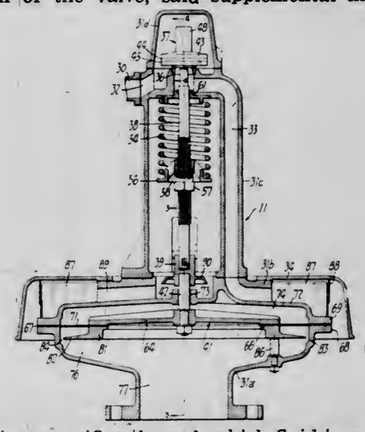
2,250,766
WOOD TURNING CHIP GUARD
Joel Clay Jorgenson, Clifton, Tex.
Application October 28, 1939, Serial No. 301,783
1 Claim. (Cl. 2—21)



A wood turning chip guard comprising a sheet metal member having a spring clip adapted to surround and receive the thumb of the user, an enlarged concavo-convex guard portion, and a neck portion connecting said guard portion to said clip, said guard portion extending upwardly and forwardly from said neck portion with its convex side toward said neck portion, said clip being covered with padding material.

2,250,767
FLUID FLOW CONTROL APPARATUS
Albert E. Jurs, Piedmont, Calif.
Application March 3, 1939, Serial No. 259,630
7 Claims. (Cl. 137—53)

1. In fluid flow control apparatus, a valve movable between open and closed positions, fluid pressure operating means including a flexible diaphragm portion subject to rupture, said means being capable of operating the valve either before or after rupture of said flexible diaphragm portion, and a hollow body serving to enclose said fluid pressure operated means and sealed with respect to the periphery of said flexible diaphragm portion, said body affording a closed chamber on one side of said fluid pressure operated means and an inlet communicating with said chamber for connection with a source of fluid under pressure, the space on the opposite side of said means being freely vented, said fluid pressure operated means comprising a diaphragm assembly including said flexible diaphragm portion and providing an effective fluid pressure area for normal operation of the valve, and supplemental means associated with the diaphragm assembly and forming a fluid pressure area for operation of the valve in the event of rupture of the flexible diaphragm portion, said area being at least as large as the effective fluid pressure area of said diaphragm assembly for normal operation of the valve, said supplemental means



affording an orifice through which fluid is vented from said chamber as the fluid flows through a diaphragm rupture, said orifice being relatively small compared to the area of the flexible diaphragm portion and the cross sectional area of said inlet being relatively large compared to said orifice.

2,250,768
UPHOLSTERY MACHINE
Elmer M. Kennedy, Lochmoor, and Cecil Anderson Boyd, Rochester, Mich., assignors to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application February 18, 1938, Serial No. 191,162
16 Claims. (Cl. 112—2)

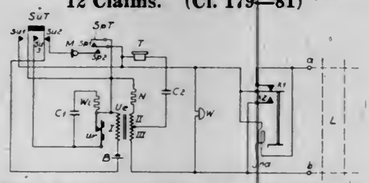


2. In an upholstery machine for producing pleated upholstery of the type comprising a foundation sheeting, an intermediate layer of padding, and a cover fabric stitched together by spaced rows of stitching; the combination of stitch forming mechanism, a plurality of endless feed belts located above and below the material for feeding it to said stitch forming mechanism, a plurality of scoring disks engageable with the padding to score the same longitudinally at predetermined points, presser feet located in advance of the stitch forming mechanism, and rotatable presser disks associated with said presser feet for compressing the material in advance of and adjacent to said feet and prior to its engagement with said feet, said scoring disks and presser disks being longitudinally aligned.

16. In an upholstery machine for producing pleated upholstery of the type comprising a foundation sheeting, an intermediate layer of padding, and a cover fabric stitched together by spaced rows of stitching; the combination of a work supporting bed, stitch forming mechanism adjacent one end of the bed, means for feeding to the stitch mechanism the cover fabric and padding in superimposed relation to the sheeting, and means located adjacent opposite sides of

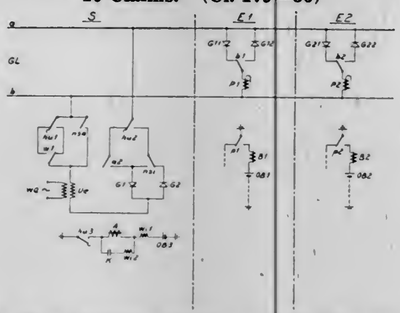
the machine extending longitudinally thereof throughout a major portion of the machine length and diverging toward the stitch forming mechanism for transversely stretching the sheeting independently of the padding and cover fabric, said stretching means having sheeting impaling members.

2,250,769
SIGNALING CIRCUIT
Max Kieser, Zurich, Switzerland, assignor to Albiswerk Zurich Aktiengesellschaft, Zurich-Albisrieden, Switzerland
Application December 9, 1938, Serial No. 244,785
In Switzerland December 11, 1937
12 Claims. (Cl. 179—81)



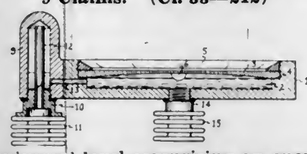
1. In a telephone system, a substation having thereat instrumentalities for the transmission and reception of speech, a line outgoing from said substation, an induction coil for connecting said instrumentalities to said line, a normally closed contact on said coil adapted to be opened responsive to energization of one winding of said coil, a source of direct current, and means for connecting said source, said contact and said one winding in series to operate as a buzzer.

2,250,770
TELEPHONE SYSTEM
Walter Kusche, Berlin-Steglitz, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany
Application March 20, 1939, Serial No. 262,807
In Germany March 31, 1938
10 Claims. (Cl. 179—36)



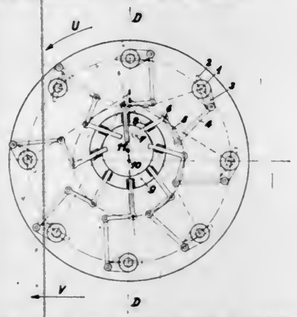
1. In a telephone system, a party line serving a plurality of stations, a station selecting relay at each station adapted to operate when energized and, when operated, to remain operated without continued energization, a connection from each relay to the line, a substantially uni-directional current blocking device at each station, means for operating said relays to select a station by connecting direct current of a certain polarity to said line to energize all of said relays, means individual to each relay and responsive to the operation thereof to interrupt said connection of that relay to the line and to connect the relay to said line through said device, said device thereafter preventing further energization of the associated relay by current of said certain polarity.

2,250,771
UNIVERSAL LEVEL
Joseph P. Lannen, Detroit, Mich.
Application July 22, 1940, Serial No. 346,728
9 Claims. (Cl. 33—212)



1. A universal level comprising an open-topped vessel, a transparent cover for said vessel having its bottom face forming a substantially spherical concavity, means establishing a liquid seal between the vessel and cover, a liquid occupying said vessel and trapping a gas bubble against the concave face of the cover, and a sealed chamber occupied at least partially by gas materially exceeding the bubble in volume and communicating with said vessel and contractible to discharge a desired portion of gas into the vessel to augment the bubble, said vessel having a provision for accommodating liquid displaced by augmentation of the bubble.

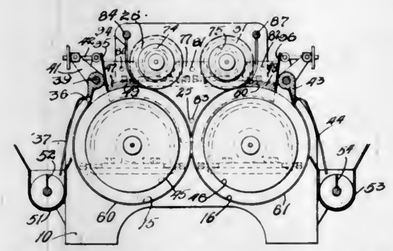
2,250,772
BLADE WHEEL
Hans Mueller, Heidenheim-on-the-Brenz, Germany, and Ernst Schneider, Vienna, Austria, assignors to Voith-Schneider Propeller Company, New York, N. Y., a corporation of New York
Application December 3, 1937, Serial No. 177,886
In Germany December 9, 1936
11 Claims. (Cl. 170—148)



1. A blade wheel propeller having blades substantially parallel with the axis of rotation of the propeller and adapted to rotate in a circular orbit and to swing round their axes during the rotation of the propeller, means for rotating the propeller, means for swinging the blades of the front half of the propeller around their axes during the rotation of the propeller to increasing angles from a tangential position of the blade to decreasing angles to another tangential position, in respect to a predetermined largest angle in the front half of the propeller, means for swinging the blades in the rear half of the propeller to increasing angles from said last named tangential position of the blade to decreasing angles to said first named tangential position, in respect to a predetermined largest angle in the rear half of the propeller, and means for coordinating

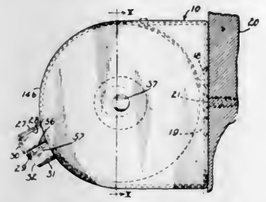
the working of the aforesaid two means so that the predetermined largest angle in the rear half of the propeller is larger than said predetermined largest angle in the front half of the propeller, said means including a connection with each blade and an eccentric to the propeller wheel operating said connection.

2,250,773
DRYING APPARATUS AND METHOD OF DRYING
Glen Overton, Dowagiac, Mich.
Application February 4, 1939, Serial No. 254,662
7 Claims. (Cl. 34—39)



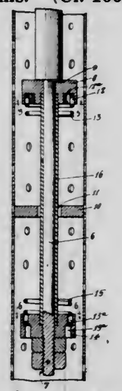
2. Drying apparatus comprising a pair of horizontally aligned main drying drums defining a nip therebetween, a spreader roll associated with each drying drum above the nip to spread material over the drum surfaces, means for rotating the drums to move their materials receiving surfaces through the nip in a downward direction, means for rotating the spreader rolls to move material onto the drying drum surfaces in thin film form for passage through the nip between the drying drums, means for heating said drying drums, means for heating said spreader rolls, and control devices for each of said heating means to maintain the drier drums at higher temperatures than the spreader rolls.

2,250,774
ADHESIVE TAPE DISPENSER
John F. Piller, Chicago, Ill., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York
Application May 13, 1939, Serial No. 273,527
7 Claims. (Cl. 242—55.5)



1. A box comprising a single folded piece of metal having an elongated withdrawal opening defined by the walls thereof, a revoluble shaft mounted within said box, said shaft being adapted to support rolls of adhesive tape which are unrolled through said opening, a revoluble cover mounted coaxially with said shaft and movable to close said opening, a clamping bar secured adjacent an edge of said cover, an extended serrated knife edge secured between said bar and said cover, a grooved clamping bar secured adjacent an edge of one of the said opening defining walls, said clamping bars adapted to be brought into lateral engagement when said cover is moved to a closed position to clamp unrolled strips of adhesive tape while being torn across said knife edge.

2,250,775
APPARATUS FOR DEVELOPING WELLS
William A. Rice, Riverside, Calif.
Application August 15, 1939, Serial No. 290,187
4 Claims. (Cl. 166—20)



1. A well developing apparatus, comprising a body member mounting spaced stops, a piston member slidably mounted by said body member for movement between said stops, said piston member having by-pass openings adapted to be closed by contact between said piston member and said stops.

2,250,776
UPHOLSTERY CORD
Wade E. Sackner, Grand Rapids, Mich., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich.
Application July 24, 1939, Serial No. 286,186
9 Claims. (Cl. 57—150)

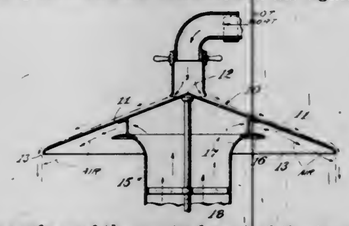


5. A packing cord comprising a core of compressed crepe sheets of cellulose wadding, a helically disposed wrapping of spaced threads adhesively secured to said core, and a second helically disposed wrapping of spaced threads extending transversely of and over said first mentioned threads and adhesively secured to said core and said first mentioned threads.

2,250,777
MEANS FOR AERATING AND COOLING WORT
Robert C. Schock, New Rochelle, N. Y., assignor to Schock, Gusmer & Co. Inc., Hoboken, N. J., a corporation of New Jersey
Application March 25, 1940, Serial No. 325,807
1 Claim. (Cl. 261—9)

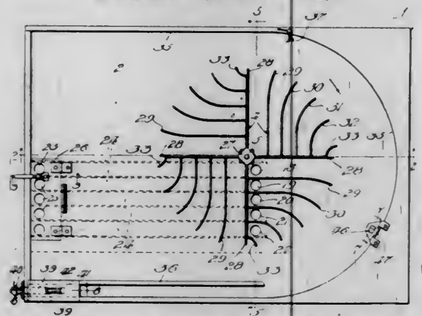
In a wort aerating and cooling apparatus having a hot wort supply, the combination of a distribution hood of general conical shape with upper and lower conical surfaces substantially parallel and spaced from each other for receiving on its central upper surface hot wort from said hot wort supply and allowing it to descend and spread radially and circumferentially outwards on its upper surface from its central part and

over the perimeter of the hood in a thin evenly distributed layer to form a film of wort gravitatingly descending over the outer surface of the hood and from the perimeter thereof to form a descending wort apron, and a conduit for filtered and conditioned air disposed below the central part of said hood and terminating in spaced relationship to the central part of the hood for discharging filtered and conditioned air against the



under surface of the central part of the hood, said conduit having flaring ends curved to direct the filtered and conditioned air along the conical under surface of the hood radially and circumferentially outwards from the central portion to the perimeter of the hood to there contact with the descending wort apron, whereby said wort is subjected to radiation, conduction and convection of heat as it passes over and from the distribution hood.

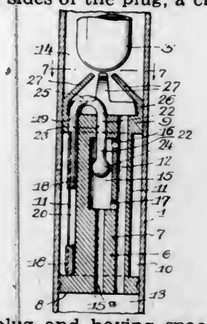
2,250,778
GAME APPARATUS
Percy C. Smith, Chicago, Ill.
Application March 16, 1940, Serial No. 324,257
3 Claims. (Cl. 273—124)



3. In a game apparatus, an inclined table, providing at its upper end an unobstructed playing field, a rotatably mounted wheel-like member overlying the table flatwise and having therein a series of pockets opening out through the periphery thereof for the reception of balls from the playing field, said table having therein a series of holes corresponding in number to said series of pockets, said holes being so located that balls in any of the said pockets may drop through said holes only when said member is in a predetermined angular position.

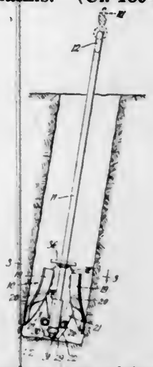
2,250,779
HYDROMETRIC TESTER
Emil A. Stromberg, Chicago, Ill.
Application September 14, 1939, Serial No. 294,793
14 Claims. (Cl. 265—46)

1. In a tester of the type disclosed which comprises a jar with a suction tip at an end thereof and a suction bulb at the other end thereof, and a hydrometric float in the jar; a thermometric device comprising a plug fitting within the jar with a liquid seal contact and having a passage extending therethrough for establishing communication between the chambers provided in the jar at both sides of the plug, a chamber pro-



vided in said plug and having spaced passages connected to said communication passage in said plug, and a thermometer carried by said plug and having its bulb located in said chamber in said plug.

2,250,780
EARTH ANCHOR
Charles L. Stroup, Oak Park, Ill.
Application June 19, 1940, Serial No. 341,232
5 Claims. (Cl. 189—92)

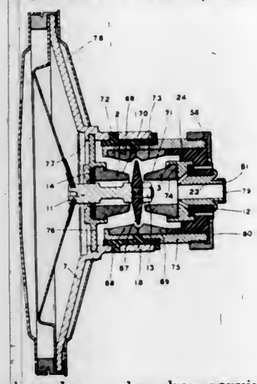


1. An earth anchor comprising a rod, a curved blade disposed generally longitudinally of the rod for insertion into a hole, a swinging link pivoted at its upper end to the central part of the blade and at its lower end to the rod, and a flexible link attached to the upper end of the blade and slidably mounted on and guided along the rod, pressure applied to the upper end of the blade causing it to penetrate the earth at the side of the hole by edgewise motion in an arcuate path forming an extension of its own curvature.

2,250,781
MICROPHONE
George William Sutton, London, England, assignor to Siemens Brothers & Company Limited, London, England
Original application November 25, 1935, Serial No. 51,501, now Patent No. 2,179,733, dated November 14, 1939. Divided and this application May 23, 1938, Serial No. 209,507. In Great Britain November 27, 1934
13 Claims. (Cl. 179—135)

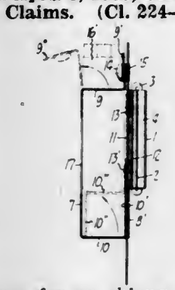
1. In a differential transmitter, a microphone chamber having a cylindrical wall, a cylindrical casing surrounding said microphone wall for

supporting the same, insulating means moulded between said microphone wall and said casing, three electrodes supported within said microphone chamber, said microphone wall serving as a conducting element to a terminal for one of the electrodes, said casing serving as a terminal for the second electrode, and an end wall



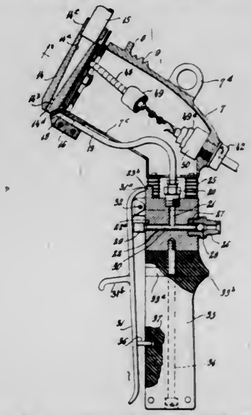
for said microphone chamber serving as a terminal for the third electrode, each of said terminals being circular in form so that, with said transmitter mounted in a holder having contact-making members, rotation of the transmitter will not affect the contact between the terminals and contact members.

2,250,782
CIGARETTE CONTAINER AND BELT
Louise L. Taple, San Francisco, Calif.
Application April 8, 1939, Serial No. 266,719
3 Claims. (Cl. 224—26)



1. A container for an oblong package of cigarettes that includes four vertical, rectangular lateral side walls of flexible material and a bottom wall; a substantially flat, horizontally disposed rectangular cover opposite said bottom wall hingedly connected at one of its edges to the upper edge of one of said side walls and substantially in engagement with the upper edges of the remaining three side walls, but free of securement thereto to permit swinging said cover to vertical position for uncovering cigarettes to be supported by said side walls and bottom wall, an extension integral with said cover extending upwardly and at right angles thereto along the edge opposite said one of its edges when said cover is horizontal in closed position; the lateral side wall opposite the one to which said cover is hingedly connected being formed with a vertical extension positioned to engage said extension when said cover is in closed position, a pair of manually actuatable cooperating elements respectively carried by said extensions releasably securing said extensions together and releasably securing said cover horizontal in closed position, whereby said cover may be secured closed free from distortion of said flexible side walls and consequent injury to cigarettes enclosed thereby that would result from such distortion, means connected with the lateral side wall carrying said vertical extension for supporting said container on the body of a person with said last mentioned side wall and the extension carried thereby adjacent said body.

2,250,783
SPRAYING APPARATUS
Morris M. Savedoff, Brooklyn, N. Y.
Application November 29, 1939, Serial No. 306,591
2 Claims. (Cl. 91—12.2)



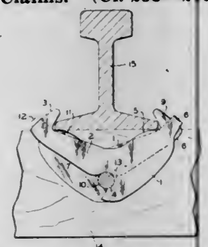
2. A head assembly for a hand-operated metal spraying apparatus, including a pair of annular metal plates, a metal melting chamber formed integral with one of said plates, said chamber having an outlet at its base, a heating unit interposed between said plates and an air nozzle carried by one of said plates, said nozzle having a lunate outlet for emitting air to propel the molten metal issuing from said chamber toward the work, said nozzle outlet being below and to the rear of the melting chamber outlet.

2,250,784
THERMOMETRIC INSTRUMENT
Alfred Tauscher, Philadelphia, Pa., assignor to Precision Thermometer & Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 27, 1938, Serial No. 231,967
10 Claims. (Cl. 200—141)



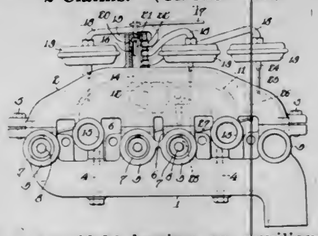
1. An instrument having a bore containing a liquid column and gas, and means forming a gas by-pass along a portion only of the bore.

2,250,785
RAIL AND TIE FASTENER
Winfield S. Waltz, Wadsworth, Ohio
Application November 16, 1939, Serial No. 304,773
7 Claims. (Cl. 238—279)



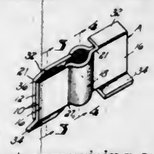
1. A fastener for a railway rail and cross tie, said fastener comprising two operatively elongated upright rigid members, both pivotally secured to the tie on a single pin or bolt fixed to the tie and extending crosswise of the tie a considerable distance beneath the rail flange and inwardly from the lateral limits thereof, each member having a jaw at or near one end adapted to overhang and clamp a respective rail flange edge and a rigid abutment at or near the other end in position to be pressed downwardly by the under face of the opposite marginal portion of the rail flange, means independent of such downward pressure on the abutments and acting on said members in a manner to maintain the jaws in contact with respective rail flanges, the members being reversely positioned end-for-end, whereby the jaws are rendered operative to pull the tie against the rail flange through the intermediary of the pin or bolt by downward pressure of the rail flange margins on the respective abutments of the members.

2,250,786
MANIFOLD OF AN INTERNAL COMBUSTION ENGINE
Sonosuke Yamashita, Ushigome-ku, Tokyo, Japan
Application February 14, 1940, Serial No. 318,788
2 Claims. (Cl. 123—122)



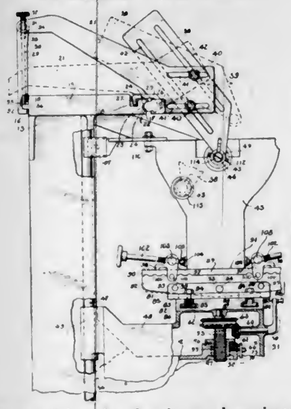
1. In a manifold having an auxiliary or by-pass manifold and adapted for use with an internal combustion engine having a plurality of cylinders, the auxiliary manifold having a plurality of ports individually communicating with exhaust ports upon said cylinders, the combination of individual control valves for directly controlling at least several of said exhaust ports, there being an intake manifold communicating with intake ports upon the cylinders and being closely associated with said by-pass manifold, a manually operated control valve communicating with said intake manifold, a plurality of enclosed diaphragms having mechanical connections linking said diaphragms individually to the control valves for the exhaust ports so as to operate said valves upon movement of said diaphragms, conducting means for communicating the low pressure or suction prevailing in the intake manifold individually to said diaphragms in order to move the same according to the degree of suction, and means upon said manually controlled valve for controlling said conducting means and selectively cutting off controlling or fully opening communication between the intake manifold and said diaphragms.

2,250,787
FUSIBLE NUT
Hilding Anderson, New Britain, Conn., assignor to Tuttle & Bailey, Incorporated, New Britain, Conn., a corporation of Connecticut
Application May 24, 1940, Serial No. 337,039
6 Claims. (Cl. 85—32)



1. A fusible nut comprising a pair of separable members of relatively hard metal bonded by a material adapted to fuse at a predetermined temperature, said members defining therebetween a central threaded bore and wings extending outwardly to either side of said bore, the upper edge of each member having a spreading plate to one side of the bore and a straight edge to the other side of said bore, said members being so arranged that the spreading plate of each member overlies the straight edge of the other member.

2,250,788
MACHINE FOR BORING ENGINE BEARINGS
Ewald A. Arp, Minneapolis, Minn., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn., a copartnership consisting of Wilbert J. Tobin, Ewald A. Arp and Henry S. Kedney, all of Minneapolis, Minn.
Application March 4, 1939, Serial No. 259,909
11 Claims. (Cl. 77—2)

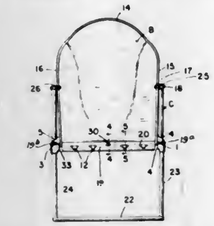


1. In a machine for boring a bearing, a boring bar, a plurality of separate mounting means for said boring bar, parallel ways spaced from said boring bar and from each other, and a bearing locating unit for independently supporting each of said separate mounting means, each of said bearing locating units including an element thereof slidable upon one of said ways, a second element thereof adapted to be releasably secured to another of said ways, said element and second element being pivotally connected to each other, and a third element thereof directly supporting one of said mounting means and supported for adjustable swinging movement relatively to the remainder of the bearing locating unit.

2,250,789
CHROMIC OXIDE PIGMENTS.
Joseph W. Ayers, Easton, Pa., assignor to C. K. Williams & Co., a corporation of Pennsylvania
No Drawing. Application November 18, 1940, Serial No. 366,145
18 Claims. (Cl. 23—145)

1. The process of producing chromic oxide pigments which comprises mixing together anhydrous chromic acid and a small percentage of a compound which will react with chromic acid at least in part on heating to form a soluble chromate, heating the mixture to a temperature between 1400° F. to 2400° F. which forms the soluble chromate and reduces the acid to chromic oxide, continuing the heating until a clear green color is obtainable on cooling and washing, then cooling, washing out the soluble chromate formed and drying.

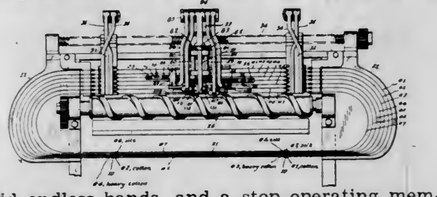
2,250,790
CHAIR STRUCTURE
William H. Baumker, Toledo, Ohio, assignor, by mesne assignments, to the Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application May 1, 1939, Serial No. 271,148
2 Claims. (Cl. 155—194)



2. In a chair, a substantially horizontal seat and an upright back, the seat being a stamping provided in its rear end between opposite sides thereof with recesses, one adjacent each side of the stamping, and provided between said recesses with a downwardly inclined flange, the back being a stamping having corners at opposite sides of its lower end and provided between said corners with a downwardly inclined flange, said corners being received in the recesses in said seat stamping, and the inclined flanges of the back and seat being disposed in face to face relation and having registering holes therein, a bolt extending through said registering holes, a nut mounted on the free end of the bolt, and means relieving the bolt of strain and torque including a plurality of spaced tongues projecting from the inclined flange of the seat and extending through the inclined flange of the back.

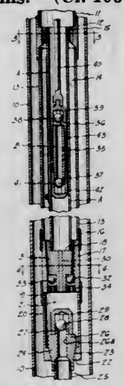
2,250,791
KNITTING MACHINE
Albert X. Desmonds, Indianapolis, Ind., assignor to Real Silk Hosiery Mills, Inc., Indianapolis, Ind., a corporation of Illinois
Application October 20, 1938, Serial No. 235,933
3 Claims. (Cl. 66—129)

1. In a single-unit knitting machine having yarn-carriers mounted on endless bands provided with dogs by which they are operated and stopped, a central-group stop which is movable horizontally toward and away from the center of the knitting machine and which has vertically separated stop and non-stop positions respectively in and out of the path of a dog on one of



said endless bands, and a stop-operating member that shifts said stop vertically in one direction if actuated while the stop is in one position in its horizontal movement and in the other direction if similarly actuated while the stop is in another position in its horizontal movement.

2,250,792
PUMP
Alvin L. Crowder, Gladewater, Tex.
Application June 1, 1940, Serial No. 338,318
13 Claims. (Cl. 103—187)



1. A pumping apparatus including, a fluid conductor, a working barrel communicating with the conductor, a valve controlled well fluid inlet communicating with the lower end of the working barrel for admitting well fluid into the working barrel, by-pass means concentric to and surrounding said working barrel extending from the lower end of the working barrel to the fluid conductor to provide an annular fluid by-pass around the working barrel, valve means associated with the by-pass means, and a double-acting tubular plunger having oppositely-opening closure means at each end thereof for controlling the flow therethrough, the plunger being reciprocable within the working barrel for lifting the well fluid upwardly through the working barrel on its upstroke and for lifting the fluid upwardly through the by-pass means on its downstroke.

2,250,793
VALVE CONSTRUCTION
Ralph D. Feick, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application July 13, 1940, Serial No. 345,293
3 Claims. (Cl. 251—144)

1. A valve structure comprising a valve hav-

ing a valve stem provided with an annular groove, a retainer seat member non-rotatably locked in said groove, a valve spring retainer having means interlocking it against rotation relative to said seat member, a spring encircling said valve stem and biased at one end against said



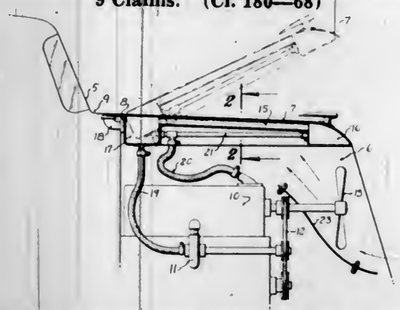
retainer, and means for locking said retainer and spring against relative rotation comprising a flat formed on said spring intermediate its ends and a lip on said retainer directed normally to the plane of contact between the retainer and the said end of said spring engaging said flat.

2,250,794
HOSIERY PROTECTOR
Margaret B. Finegan, Nekoosa, Wis.
Application August 12, 1939, Serial No. 289,747
2 Claims. (Cl. 36—7.1)



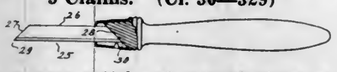
1. A legging of transparent material adapted to substantially cover a wearer's shoe and that portion of the wearer's leg below the knee, said legging including a front-opening upper portion of waterproof material adapted for loose conformity to the leg of a wearer, garter means confined to the rear portion of the top margin for the support of said legging above the calf of the wearer's leg, and a unitarily connected lower portion adapted to completely enclose the forepart of the wearer's shoe upper and sole, said lower portion including a sole having a shank portion terminating substantially forward of the wearer's shoe heel and provided with an aperture extending from said shank portion rearwardly to permit the heel of the wearer's shoe to project loosely therethrough, whereby tension which would otherwise exist between the heel and shank portions of the wearer's shoe and the upper portions of the legging is eliminated, and the upper leg engaging portion does not substantially shift in respect to the leg of the wearer during use.

2,250,795
COOLING SYSTEM FOR AUTOMOTIVE VEHICLE ENGINES
John W. Fitz Gerald and Austin Gudmundsen, Milwaukee, Wis.; said Gudmundsen assignor to Gudmundsen-Stratton Laboratories, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application December 11, 1939, Serial No. 308,670
9 Claims. (Cl. 180—68)



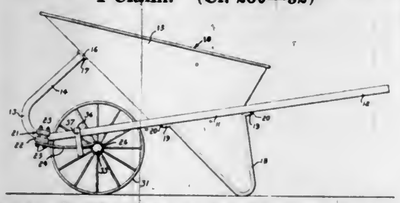
1. In an automobile having an engine compartment: a hinged cover closing the top of the compartment; two spaced tanks carried by the cover; an inner wall underlying the outer wall of the cover and coacting therewith to form a passage joining said tanks; a liquid cooled internal combustion engine in the compartment having a pump and jackets for the circulation of the cooling liquid; and means for connecting the pump and jackets with the tanks on the cover so that the cooling liquid circulates from one tank to the other through said passage to carry off the heat from the engine.

2,250,796
DOUBLE POINTED BLADE AND HOLDER THEREFOR
Domenico Frisoli, Newark, N. J.
Application October 26, 1939, Serial No. 301,473
3 Claims. (Cl. 30—329)



1. As a new article of manufacture, a blade having a cutting edge, and two end edges symmetrically inwardly inclined with respect thereto, whereby the blade will be reversible with a cutting point at each end.

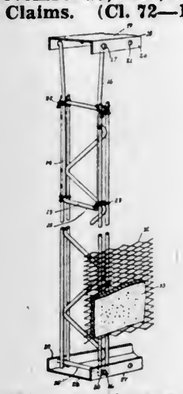
2,250,797
WHEELBARROW WHEEL MOUNTING
Leslie H. Garlinghouse, Los Angeles, Calif.
Application May 13, 1940, Serial No. 334,826
1 Claim. (Cl. 280—52)



In a wheelbarrow, a chassis including a pair of elongated side members, said side members diverging towards the handle section and having parallel forward portions, a leaf spring mounted on the forward portion of each of the side members, each of said leaf springs including a forward

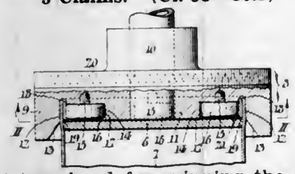
end portion which extends parallel to the adjacent portion of the associated side member, said springs also including parallel portions at the rear end thereof, said springs diverging intermediate their ends whereby wheels carried on the rear end of the springs will clear the frame members, said rear portions of the springs terminating in hollow cylindrical portions, and a bearing for an axle mounted in each of the hollow cylindrical portions..

2,250,798
BUILDING STUD CONSTRUCTION
Oliver E. Gibson, Chicago, Ill., and Harley E. McCray, Cleveland, Ohio, assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application November 29, 1939, Serial No. 306,626
5 Claims. (Cl. 72—115)



1. In a partition structure, a channel runner having outstanding perforated flanges, said runner being secured in a horizontal position, and a metallic stud having yielding legs, each of said legs being provided with outstanding parts removably engaging in said flange perforations when said legs are flexed.

2,250,799
CONTAINER BOTTOM AND TOP SPINNING HEAD
John K. M. Harrison, Ogontz, Pa.
Application March 22, 1939, Serial No. 263,349
5 Claims. (Cl. 93—36.5)



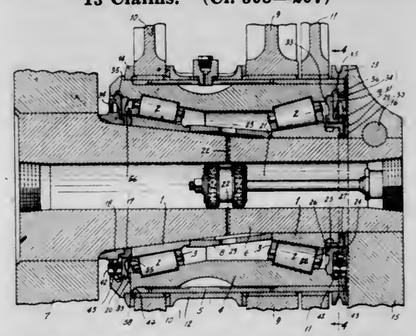
1. A rotary head for spinning the free edges of container body shells having pre-inserted closures, comprising a body portion with an attaching section, said body portion including an interior coaxial boss defining an annular recess having a flaring entrant part and a return bend remote therefrom, circumferentially spaced substantially-circular cut-outs in said boss, and outwardly-active freely revolvable ball-bearing rollers in said cut-outs of a depth less than that of the cut-outs and with slight circumferential projection into the recess for firmly compressing the container retroverted end into mutual union with the confronting body shell wall as well as the peripheral outer surface of the adjoining closure.

2,250,800
INNER SPRING UNIT
Frederick G. Hodges, Jr., Dallas, Tex.
Application June 2, 1939, Serial No. 276,961
2 Claims (Cl. 5—351)



1. A spring unit for mattresses including, a plurality of helical springs spaced apart and disposed in the same plane, a relatively thick pad of insulating material overlying the ends of the springs, a plurality of fastening clips, each clip fastening one end of each spring to the adjacent spring and also passing through the pad to secure the connected adjacent springs to the pad, and a second pad overlying the opposite ends of the springs, and additional fastening clips, each fastening two adjacent springs to each other and to the pad.

2,250,801
LOCOMOTIVE ROD BEARING
Ralph E. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application June 3, 1940, Serial No. 338,502
13 Claims. (Cl. 308—207)

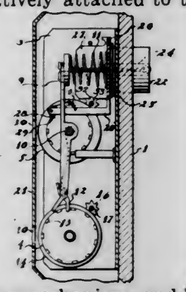


1. The combination of a housing having an opening therein, a member mounted in said opening, a split expansible locking ring seated in said opening in endwise abutting relation to said member, and a spacing device for the ends of said split locking ring, said spacing device comprising two blocks disposed with their remote ends in abutting relation to the respective ends of said split locking ring, an adjusting member mounted in one of said blocks for adjustment relative thereto to vary the effective length thereof, and a spacing member interposed between and in abutting relation to the opposing ends of said adjusting member and said other block for holding said blocks against the respective ends of said split locking ring.

2,250,802
GAME APPARATUS
Dewey S. Johnston, Fort Worth, Tex.
Application September 1, 1939, Serial No. 292,969
4 Claims. (Cl. 273—98)

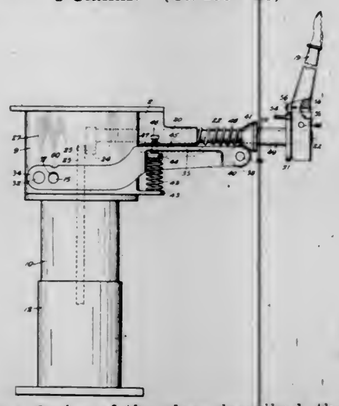
1. In a game apparatus, the combination of a striking racquet having mounted upon the rear face thereof a dual registering mechanism, an

elastic cord operatively connected to one of the said registering mechanisms having a ball secured to its free end, a button centrally located and protruding from the striking face of the said racquet operatively attached to the other of the



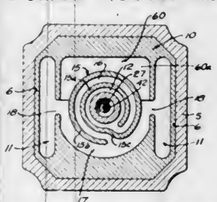
said registering mechanisms and having a central bore therethrough, the said cord operatively arranged through the said bore and adapted to actuate the first named mechanism when a pull is exerted thereon by the said ball.

2,250,803
HYDRAULIC LIFT ACTUATING MECHANISM
Frank Koenigkramer and Frederick Koenigkramer, Cincinnati, Ohio
Application August 7, 1939, Serial No. 288,730
8 Claims. (Cl. 155—26)



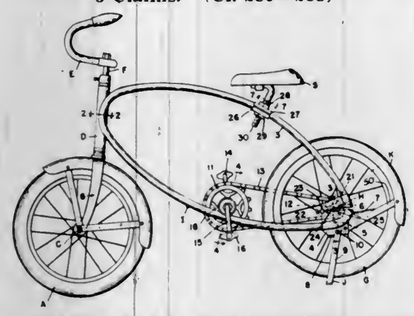
3. In a device of the class described, the combination of a lift to be selectively elevated and lowered, and a weight-supporting frame tiltably supported upon the lift, said lift including a head having opposed pivots, a yoke including a pair of spaced arms each mounted upon a pivot of the head whereby the yoke may be rocked about said pivots, an extension on the yoke and a cam follower on the extension, a tilt rod connected to the tiltable frame and supported for sliding reciprocatory movement relative to the lift head, in substantial parallelism with the yoke pivots and closely adjacent thereto, means on the yoke arms for applying a force transversely to the tilt rod in one direction of rocking of the yoke, for clamping the tilt rod in longitudinally adjusted positions, an operating shaft extending from the lift head, and means responsive to rocking of said shaft for actuating mechanism to operate the lift, a lever for rocking the operating shaft, pivot means mounting said lever upon the shaft for movement arcuately in a plane which passes through the shaft axis, a cam slidable upon the shaft for movement toward and from the follower of the yoke, for rocking the yoke to alternatively clamp and release the lift rod, a cam face on the lever and a movable abutment plate on the shaft in position to be advanced by contact with the cam face of the lever when the latter is moved about its pivot means in the plane which is in the shaft axis, means transmitting movement of the abutment plate to the cam, and yielding means constantly urging the cam away from the follower of the yoke and for normally maintaining the clamping relationship between the yoke arms and the tilt rod.

2,250,804
INKSTAND
Herman Frederick Krueger, Los Angeles, Calif.
Application October 30, 1939, Serial No. 301,992
1 Claim. (Cl. 120—59)



In an ink stand, a base having therein an ink reservoir and an ink dispensing chamber, spaced concentric circular walls separating the reservoir from the chamber, said walls forming a circuitous passageway therebetween, another wall between the outermost of the circular walls and the dispensing chamber and a communication opening in said other wall, said circuitous passageway terminating at a point laterally spaced from said opening.

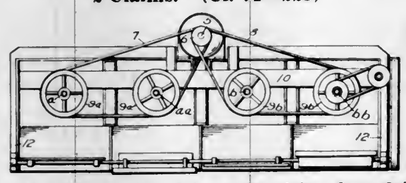
2,250,805
BICYCLE
George Lewinski, Toledo, Ohio, assignor, by mesne assignments, to the Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application May 15, 1939, Serial No. 273,751
3 Claims. (Cl. 280—288)



1. In a bicycle, a load carrying frame comprising a pair of laterally spaced elongated open loops, each consisting of a single length of tubing having opposite ends thereof at the rear end of the frame and spaced vertically apart to provide a substantially horizontal slot, the horizontal slots being in lateral alignment and of sufficient depth to permit an axle to pass therethrough between the ends of the tubing into the space within said loops, and means for supporting the axle within said loops including plates having portions substantially conforming in curvature and secured in surface-to-surface relation to upright

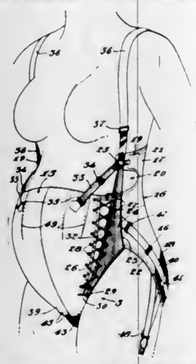
sides of the tubing above and below said laterally aligned slots and having inwardly offset substantially parallel upright portions within said loops provided with laterally aligned rearwardly openings slots registering with and forming forward extensions of the slots between the spaced ends of the tubing for receiving the axle aforesaid, said inwardly offset parallel upright portions resting upon and secured to adjacent top portions of said tubing below the first mentioned slots.

2,250,806
TRANSMISSION DRIVE
Leland H. Logue, Denver, Colo., assignor to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware
Original application May 6, 1935, Serial No. 20,016. Divided and this application November 25, 1938, Serial No. 242,336
2 Claims. (Cl. 74—223)



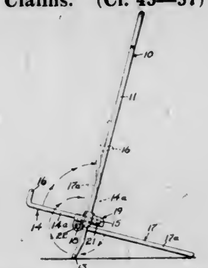
1. A transmission drive comprising four driven members disposed at uniform intervals in lengthwise alinement and having pulleys of uniform diameter, a driving member disposed laterally of said row in spaced relation midway between the inner members thereof, and driving connections of substantially uniform length between the driving member and different pluralities of the row, each plurality comprising an outer member and the next adjoining inner member of the row.

2,250,807
ABDOMINAL SUPPORTER
Henry J. Lunney, Los Angeles, Calif., assignor of one-half to Laurence C. Spangard, Santa Monica, Calif.
Application July 17, 1939, Serial No. 284,909
9 Claims. (Cl. 2—41)



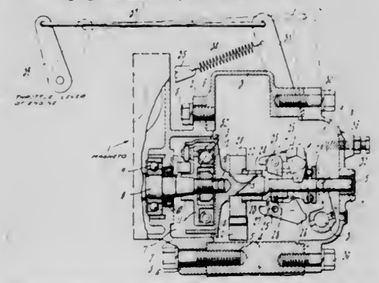
1. In an abdominal supporter having an abdominal supporting cup formed with a pendant central portion having groin conforming side portions, suspensorial strips leading upwardly from the upper terminus of said groin conforming portion and extending upwardly along the side margins of said cup, means detachably connecting the contiguous margins of said cup and strips adapted to take up slack in said cup and to draw the walls of the latter transversely outward toward said strips, and elastic means connecting said strips adapted to extend over the hips and around the lower portion of the back of the wearer to brace the back and also oppose strains imposed on said cup.

2,250,808
COLLAPSIBLE BOOKHOLDER
George C. Lynch, Los Angeles, Calif.
Application July 17, 1939, Serial No. 284,831
6 Claims. (Cl. 45—57)



1. A collapsible book rest comprising an upright supporting member, a base member secured to said supporting member, and a shelf secured to said supporting member, said base member and said shelf member being separately hinged to said upright member on opposite sides thereof for pivoting movement to a position substantially adjacent each other and the supporting member, and said upright member being provided with a horizontal portion engaging portions of the shelf and base member when in operative position, whereby upon opening the device the shelf member and the base member lie on the opposite sides of the upright member and are restrained from further movement by the upright member.

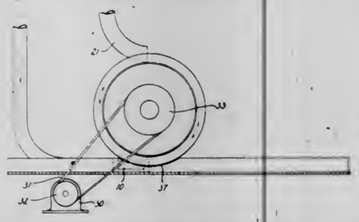
2,250,809
ENGINE DRIVING MECHANISM FOR MAGNETOS
John F. Martin and William D. Crocker, Springfield, Mass., assignors to American Bosch Corporation, Springfield, Mass., a corporation of New York
Original application March 19, 1940, Serial No. 324,778, now Patent No. 2,239,650, dated April 22, 1941. Divided and this application March 21, 1941, Serial No. 384,483
9 Claims. (Cl. 123—195)



1. In combination; an engine casing; a member having a bearing; a magneto which is supported by the engine casing and which has a rotor for operation by the engine and a bearing arranged within the magneto; and engine driving mechanism including an engine drive shaft

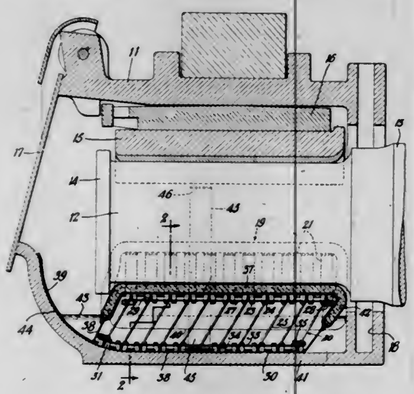
which is connected to the magneto rotor and which is supported at the magneto end by the magneto bearing solely and at the other end by the member bearing solely, and also including an engine governor supported by the engine drive shaft between said bearings and arranged to affect the operation of the engine and thereby the operation of the magneto.

2,250,810
CARRIER ASSORTING AND TRANSFER DEVICE
William F. Nordmeyer, Lockland, Ohio
Application July 22, 1937, Serial No. 155,092
4 Claims. (Cl. 243—16)



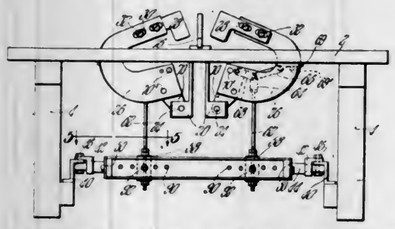
1. In a device of the class described, the combination of an elongated conveyor, means disposed adjacent the conveyor for providing a plurality of channels along said conveyor, means for selectively assembling carriers in said channels, a revolving drum having annular channels on its outer face, each of the channels on the drum registering with a channel of the conveyor, whereby articles carried by said conveyor along said conveyor channels will pass adjacent a channel of the drum, means for selectively transferring articles from the channels of the conveyor to the registering channels of the drum, and conveyor means for receiving transferred articles from the drum channels.

2,250,811
JOURNAL BOX LUBRICATING EQUIPMENT
Edwin S. Pearce, Indianapolis, Ind.
Application April 6, 1940, Serial No. 328,169
13 Claims. (Cl. 308—88)



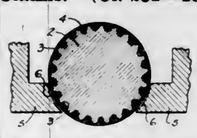
1. Journal box lubricating equipment comprising a lubricant feeding pad, a metallic pad backing means conforming to the curvature of the journal, and a coil spring for supporting the backing means on the bottom of the box so as to hold the pad against the under face of the journal, said spring having its axis arranged longitudinally of the journal box and in substantial parallelism with the axis of the journal.

2,250,812
BRUSH MAKING MACHINE
James Petrone, Westfield, Mass., assignor to Stanley Home Products, Inc., Westfield, Mass., a corporation of Massachusetts
Application June 22, 1940, Serial No. 341,921
5 Claims. (Cl. 300—2)



1. A brush-making machine comprising in combination, a support, a dowel member extending upwardly therefrom, a pair of spaced forming members having brush engaging portions pivoted to said support for moving towards and away from one another and said dowel member in planes at an angle to one another, means for simultaneously moving said pivoted members, and means for adjusting said pivoted members relative to said support.

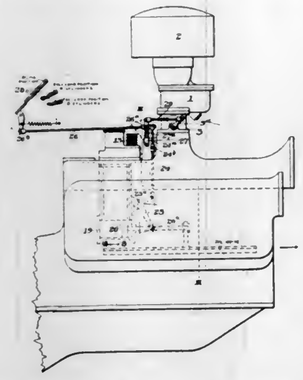
2,250,813
MEANS FOR HERMETICALLY SEALING FLUID PRESSURE
Philip M. Rea, Oklahoma City, Okla.
Application August 17, 1937, Serial No. 159,498
11 Claims. (Cl. 251—159)



1. A valve ball comprising, a spherical body of rigid material, spaced rigid projections carried by the body, said projections adapted to contact a valve seat for spacing the body from the seat, and a resilient cover for the body deformable by fluid pressure, said cover surrounding the projections and occupying the spaces therebetween.

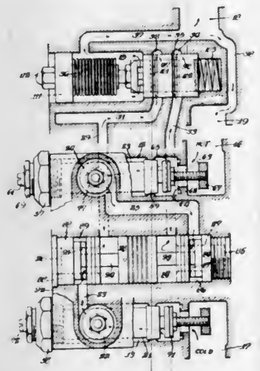
2,250,814
INTERNAL COMBUSTION ENGINE OF THE MULTICYLINDER TYPE
Karl W. Rohlin, Dover, Del.
Application August 30, 1937, Serial No. 161,702
9 Claims. (Cl. 123—52)

1. The combination, in an engine of the explosion type, of a plurality of cylinders, pistons therein, valves controlling the inlet of fuel-air charges to and the exhaust from said cylinders, and means for rendering certain inlet valves inactive whereby certain cylinders may be out of firing operation, including an hydraulic cylinder, a piston therein, solenoid controlled means for directing fluid to opposite sides of said piston; all of said cylinders firing in normal sequence when said last-named piston is in one position and certain cylinders being rendered inactive when said piston is in the opposite position, and means co-



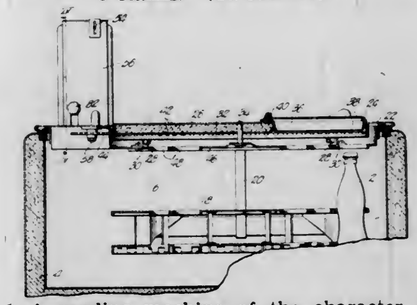
ordinated with certain phases of engine operation for energizing and deenergizing said solenoid.

2,250,815
MIXING VALVE
Albert J. Ruegg and Glen Martin, Lynwood, Calif., assignors to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California
Application January 27, 1938, Serial No. 187,120
7 Claims. (Cl. 236—12)



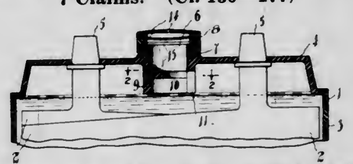
1. A mixing valve comprising, in combination, a casing defining a mixing chamber and two separate inlet chambers for hot and cold water respectively, valve means in said mixing chamber for regulating the relative proportions of hot and cold water admitted thereto, each of said inlet chambers having an inlet and an outlet, a strainer screen removably positioned in each of said inlet chambers, each of the latter chambers having an opening therein for the removal of its screen, a removable closure for each of said last named openings, and means for cutting off any flow of water to said inlet chambers in the event it is necessary to remove said closure members to gain access to said screens, said means including a manually operable shut-off valve at the inlet end of each chamber having a stem extending through the removable closure for such chamber into position for manipulation from outside such chamber and a check valve at the delivery end of each chamber.

2,250,816
VENDING MACHINE
Joseph E. Hagstrom, Kansas City, Mo.
Application June 20, 1939, Serial No. 280,163
5 Claims. (Cl. 312—36)



1. A vending machine of the character described comprising a case; means in the case for holding a plurality of packages in a number of fixed annular paths; a lid on the case provided with an opening therethrough above all the packages in the holding means; a turntable closing the opening having a delivery aperture therethrough movable through a path of travel above all of said annular paths; a guard plate having a number of perforations therethrough, disposed between the packages and said turntable; and mechanism for imparting step-by-step movement to the turntable to successively move the delivery aperture of the turntable into register with one of the perforations of the guard plate, the said one perforation being above one of the packages when in register with the aperture to permit manual removal of the said one package from the holder, the remaining perforations of the guard plate being closed by the turntable when one of the perforations in the guard plate is in register with said delivery aperture and above one of the packages, said perforated guard plate being large enough to underlie all of the turntable, the perforations through said guard plate being arranged in a number of annular paths respectively, above the fixed annular paths of said packages, there being a lesser number of perforations in each of said number of annular paths than there are packages in the fixed annular path below the annular paths respectively, said guard plate being rotatably mounted and operably connected to the mechanism for imparting step-by-step movement to the turntable.

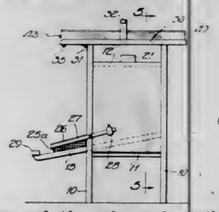
2,250,817
ELECTROLYTE LEVEL CONTROL DEVICE FOR STORAGE BATTERIES
Julius Sandusky, Toronto Township, Peel County, Ontario, Canada
Application May 27, 1940, Serial No. 337,437
7 Claims. (Cl. 136—177)



5. In an electrolytic level control device for storage batteries, a cell having a filling opening therein; a filling tube extending downwardly from said opening into said cell; a vent extending through the side of said tube forming a communication between the interior of said tube and

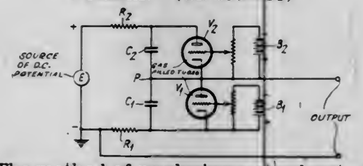
the air space within the top of said cell, said vent being of such small width that water flowing over it tends to form a seal, but of comparatively large area; and a baffle in said tube located substantially opposite the vent to direct water passing through the said tube against the vent.

2,250,818
LAYING NEST
Holland R. Sperry, Avon, Conn., assignor to The Pope-Brooks Foundation, Inc., Avon, Conn., a corporation of Connecticut
Application February 5, 1938, Serial No. 188,828
5 Claims. (Cl. 119—48)



1. Apparatus of the class described including a frame work and a row of laterally juxtaposed laying nests supported on said frame work, said nests having open work floors, backs, and tops and common side walls, the floors being inclined downwardly and forwardly and forwardly extended to afford egg receiving shelves, the shelf and floor-forming portion of all the nests being formed as a single unit and slidably removable for cleaning purposes, bars supporting the ends of said unit and provided at their rearward ends with hooks, and a plurality of members mounted at different levels in the rear of said frame for receiving said hooks and thus providing means for changing the angle of inclination of said floor.

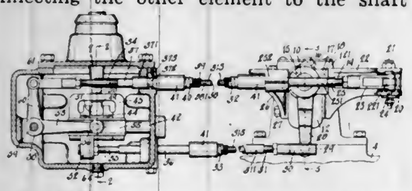
2,250,819
VARIABLE WAVE GENERATOR
Menno Wolf, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 26, 1939, Serial No. 275,800
In Germany June 1, 1938
4 Claims. (Cl. 250—36)



2. The method of producing a step by step serrated wave form which comprises the steps of developing a plurality of substantially linearly stored discrete electrical charges in differing time intervals, and combining said stored charges in such phase as to substantially cancel out a portion of the stored energy in at least one of the stored charges.

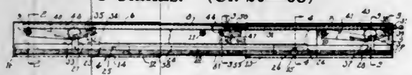
2,250,820
REMOTE CONTROL FOR TRANSMISSIONS
Thomas Backus, Kalamazoo, Mich., assignor to Fuller Manufacturing Company, Kalamazoo, Mich.
Application December 17, 1938, Serial No. 246,295
17 Claims. (Cl. 74—473)

1. A remote control for transmissions, comprising a control housing adapted to be mounted on a vehicle frame in substantially spaced relation to the transmission of the vehicle, a gear selector positioning and shifting shaft mounted adjacent said transmission and having a shifting member thereon adapted to shift the transmission gears, and means for rotating and axially shifting said shaft from said control housing, comprising a pair of flexible push-pull cables each having a thrust and tension transmitting element, means for connecting one of said elements to said shaft to rotate the same, means for connecting the other element to the shaft to



axially shift the same, said elements extending from said connecting means to said control housing, and means in said control housing for selectively shifting said elements to effect the aforesaid movements of said shaft, comprising a shaft, a yoke slidable on said shaft, said yoke having an extension thereon connected to one of said elements, a further yoke rotatable and slidable on the shaft, a bell crank pivoted in the housing, said further yoke having a channeled arm engaging one arm of said bell crank, the other arm of said bell crank being pivotally connected to said other element, and manually operable means for selectively actuating said yokes.

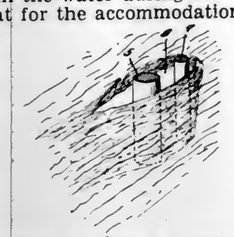
2,250,821
WEATHER STRIP
Harry A. Bedol, Cleveland, Ohio
Application May 22, 1939, Serial No. 275,106
3 Claims. (Cl. 20—68)



1. In a device of the class described, a longitudinally adjustable sectional casing, a longitudinally adjustable weatherstrip in said casing, means for mounting said casing on a door, a pair of telescopically connected channel members, links pivotally connecting said channel members to certain of the weatherstrip sections, a stop member fixed to and a movable member carried by and slidable in one of said channel members, a pair of toggle arms pivotally connecting said movable member to said stop member, a shoe on one of said toggle arms adapted to engage the other of said channels to lock said channel members against relative movement upon movement of said slidably movable member, and longitudinally movable means secured to said movable member and bearing against said stop member for actuating said movable member.

2,250,822
DRAG REDUCING DEVICE
George C. Cannon, New Rochelle, N. Y.
Application July 9, 1940, Serial No. 344,579
2 Claims. (Cl. 115—17)

1. In combination with a boat having a propulsion means extending into the water with a portion thereof in the form of a supporting housing and including a propeller, means located on said boat in advance of said first means to form a pocket in the water during the forward travel of the boat for the accommodation of the hous-



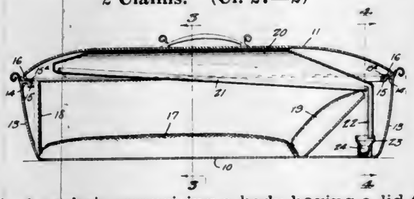
ing to eliminate its drag on the boat and to permit the water to mass at the propeller.

2,250,823
TRAP
James Conners, Hemet, Calif.
Application October 1, 1940, Serial No. 359,275
6 Claims. (Cl. 43—67)



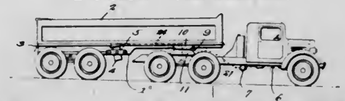
1. A trap comprising a cage section and an entrance section, trap doors between said sections and normally closing the entrance section to the cage section and operable under the influence of an animal, said entrance section including passageways, rotatable and vertically arranged doors for alternatingly opening and closing said passageways, to the exterior of the entrance section, animal influenced means in the passageways for effecting simultaneous and alternate operation of said doors, and a bait chamber arranged in said passageways between the cage section and said means.

2,250,824
BURIAL CASKET
William I. Davis, St. Louis, Mo.
Application March 11, 1940, Serial No. 323,441
2 Claims. (Cl. 27—2)



1. A casket, comprising a body having a lid for closing the same, a hood-like section arranged interiorly of the body close to the lid and having all of its walls sloping downwardly, a trough carried by the inner lower ends of all the walls and adapted to receive the condensation passing from the walls, and a spout communicating with said trough and extending through the lower end of the casket for conveying the condensation from the casket.

2,250,825
HOIST
Boyd Hugh Evans, South San Francisco, Calif.
Application March 15, 1940, Serial No. 324,213
1 Claim. (Cl. 298—22)



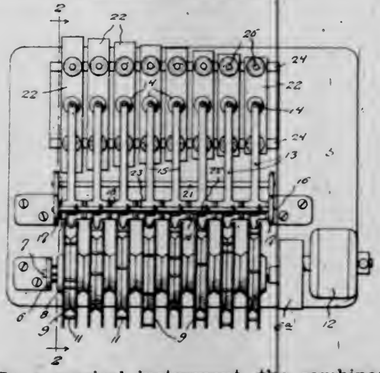
In a device of the class described, a towed vehicle embodying a frame, a dumping carrier mounted on the frame, a fifth wheel mechanism comprising an upper member mounted on the frame, a tubular king pin provided at its upper end with a laterally enlarged head disposed on top of the upper member, securing means connecting the head with the upper member, the king pin comprising a body of the same length as the thickness of the upper member and extended therethrough, the body being reduced in diameter to form a neck located immediately below the lower surface of the upper portion of the upper member, and to form a flange at the lower end of the neck, the fifth wheel mechanism comprising a laterally separable lower member carried by a towing vehicle and engaging the neck, above the flange, a first pipe section mounted in the head and in the body, and a second pipe section mounted in the lower end of the neck, within the flange, the pipe sections and the tubular king pin constituting part of a lifting and dumping conduit for the carrier.

2,250,826
VARIABLE PITCH PROPELLER
Walter W. Everts, Baltimore, Md., assignor to Everel Propeller Corporation, Baltimore, Md., a corporation of Maryland
Application March 11, 1939, Serial No. 261,323
6 Claims. (Cl. 170—164)



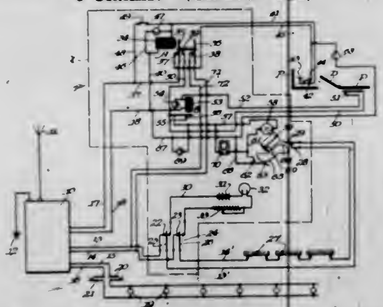
1. In a variable pitch propeller construction provided with propeller blades, a rotary member, a pivotal member fixed to and extending radially from the rotary member, a pair of yokes journalled on the pivotal member, said yokes being offset from each other and extending radially beyond the pivotal member, a damping device connecting the said yokes, a recess in the outer portion of each yoke, the longitudinal axis of said recess being at an inclined angle with relation to the longitudinal axis of the pivotal member, and a shank mounted in each recess, each shank connecting the yoke in which it is mounted to a blade of the propeller.

2,250,827
MUSICAL INSTRUMENT
Ralph W. Fathauer, Cleveland, Ohio
Application June 26, 1940, Serial No. 342,577
4 Claims. (Cl. 84—102)



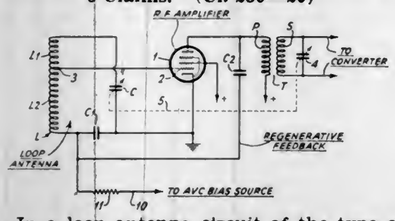
1. In a musical instrument, the combination of a plurality of pivoted hammers, and means for mechanically actuating the hammers in a given order to play a tune, said last-named means comprising a plurality of wheels rotatable in unison, one for each hammer, each of said wheels having spaced radially disposed peripheral flanges provided with pairs of transversely aligned transverse openings arranged in a circular series about the periphery of the wheels, and pins removably positionable in selected pairs of said openings for engaging the hammers.

2,250,828
ALARM SYSTEM CONTROL
William L. Foss, Washington, D. C., assignor to Howton Radio Alarm Company, Seattle, Wash.
Application February 21, 1938, Serial No. 191,786
9 Claims. (Cl. 177—314)



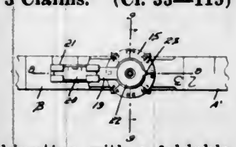
1. In an alarm system for enclosed premises, said system including a burglar circuit and alarm signalling means actuated upon disturbance of said circuit, a control system including a circuit for shorting the burglar circuit whereby to render the latter ineffective, a switch in said shorting circuit for controlling the same, electromagnetic means for controlling said switch, energizing circuits for said electromagnetic means having a common point of connection with the latter, a switch inside the premises for controlling one of said energizing circuits, and a switch for controlling the other of said energizing circuits accessible outside the premises and operable to cause said electromagnetic means to break the shorting circuit only subsequent to a prescribed manipulation of the inside switch.

2,250,829
RECEIVER LOOP CIRCUIT
Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 27, 1940, Serial No. 331,912
6 Claims. (Cl. 250—20)



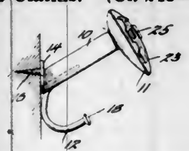
1. In a loop antenna circuit of the type comprising a coil and tuning condenser, a signal transmission tube having input electrodes and output electrodes, an auxiliary condenser arranged in series with the coil and tuning condenser in said loop circuit, connections between the input electrodes of the tube and a section of the loop circuit coil such that the section of the coil included between the input electrodes resonates with said auxiliary condenser to an undesired interfering signal frequency lower than the desired signal frequency, and the remaining section of said coil resonating with said tuning condenser to an undesired interfering signal frequency which is higher than said desired signal frequency.

2,250,830
COMBINATION MEASURING DEVICE
Andrew Gonzales, San Antonio, Tex., assignor of one-half to Quon Wee, San Antonio, Tex.
Application November 30, 1940, Serial No. 368,064
3 Claims. (Cl. 33—115)



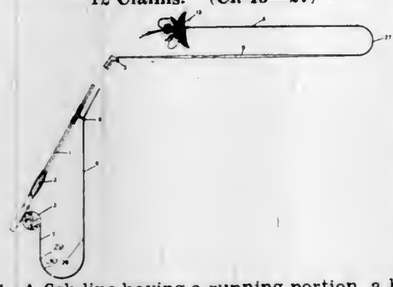
1. In combination with a foldable rule including a pair of sections having their end portions pivotally connected together, the pivot including a member connected to one rule section, with the second rule section pivoted, a graduated member supported on the exposed face of the second rule section with its graduations arranged concentric with the pivot, a pointer carrying member above the graduated member with its pointer cooperating with the graduations thereof and means for engaging the pointer carrying member with the pivot to prevent relative movement between the pivot and the pointer carrying member.

2,250,831
HAT AND COAT HANGER
Henry J. Harrison, El Paso, Tex.
Application February 6, 1940, Serial No. 317,593
3 Claims. (Cl. 248—217)



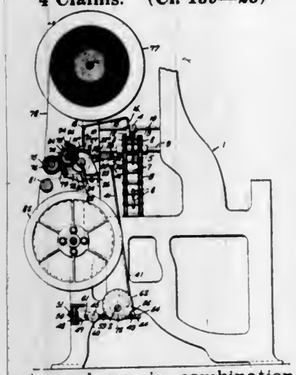
1. In a hat and coat hanger, a stem rectangular in cross-section with its top to bottom dimension at least as great as its side to side dimension, an ornamental hat supporting head at one end of said stem comprising a body of two surfaces meeting centrally to form an ovoid margin in a plane at right angles to the axis of the stem, a bar extending parallel to said axis and secured to said stem, a hook extending downwardly from the bar and then forwardly to support a coat, and a wall engaging plate extending on both sides of said stem at its rear end to serve as securing means for said hat and said coat supports, positioning the stem so it slopes upwardly so that said plane intersects the wall above the level of the hanger.

2,250,832
FLY CASTING FISHING LINE
Marvin K. Hedge, Portland, Oreg.
Application April 18, 1939, Serial No. 268,631
12 Claims. (Cl. 43—27)



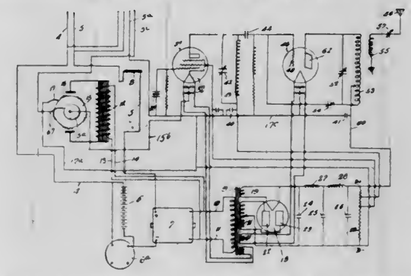
1. A fish line having a running portion, a holding portion, and a weight portion, each portion having characteristics which clearly distinguish it visibly from the other portions, and the holding portion having a further characteristic whereby the front portion thereof and a rear portion thereof can be observed for positioning the point of meeting of the later portions in predetermined relation to a part of a fishing rod.

2,250,833
LETOFF MECHANISM FOR LOOMS
Albert H. Hill, Columbus, Ga.
Application December 18, 1939, Serial No. 309,874
4 Claims. (Cl. 139—25)



1. In a terry loom, in combination with the weaving instrumentalities thereof and including a continuously rotating driving shaft having conventional working connections for operating said instrumentalities, and a warp feeding and letoff roll, of pawl and ratchet driving means for said roll, said means including an operating bell crank one arm of which carries the pawl and the other arm being the actuating arm, a lever arm mounted in opposed relation to the actuating arm of said bell crank, a pusher rod connecting said bell crank actuating arm and said lever arm, the attachment of the rod to said arms being at the opposite ends of the rod and adjustable longitudinally of the rod and also the respective arms, an actuator arm mounted to oscillate with said lever arm about a common axis by and with each other and having provision for relative angular adjustment, and a rotatably adjustable eccentric mounted on said driving shaft of the weaving instrumentalities of the loom and having an operating connection with said actuator arm.

2,250,834
RADIO ALARM SYSTEM
James O. Howton, Freewater, Oreg., assignor to Howton Radio Alarm Company, Seattle, Wash.
Application January 12, 1938, Serial No. 184,713
2 Claims. (Cl. 177—314)

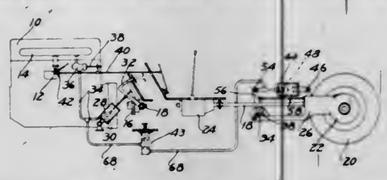


1. An alarm system comprising a transmitter, an automatic alarm message producing means in connection with said message producing transmitter, a protective circuit in connection with said message producing means, and control means responsive to said circuit between said circuit and said message producing means to place said message producing means in operation when said circuit is disturbed, said message producing means comprising code signalling means including a conductive wheel having peripherally spaced groups of teeth of which each group is arranged in accordance with a predetermined code and including also a contactor for cooperating with said teeth, means for driving said wheel, the operation of last-named means being governed by said control means, a normally open circuit in parallel with said wheel and contactor, and means for closing said circuit whereby to supersede a portion of the code signal which would otherwise be produced, said normally open circuit being also governed by said control means.

2,250,835
GEAR SHIFTING MECHANISM
Victor W. Kliesrath, South Bend, Ind., and Roy S. Sanford, New York, N. Y., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 11, 1931, Serial No. 580,434
Renewed January 16, 1936
20 Claims. (Cl. 192—.01)

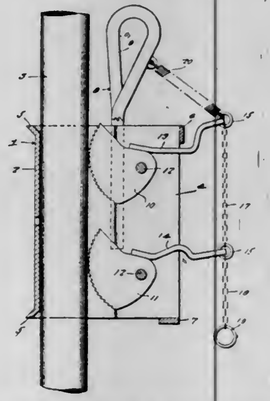
1. An automotive power plant comprising a motor, throttle means for controlling the operation of said motor, throttle control means, a clutch, power means for operating the clutch, control means for said clutch operating means, a transmission mechanism, power means for operating said transmission, control means for

said transmission operating means, the aforementioned control means for the throttle means,



clutch and transmission having a manually operable element in common.

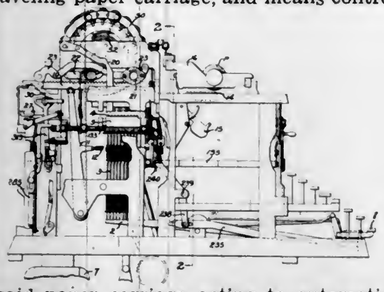
2,250,836
PIPE CLAMP
Raymond H. Landers, Gillette, Wyo.
Application May 27, 1940, Serial No. 337,544
1 Claim. (Cl. 294—104)



A pipe clamp including a body of substantially tubular form for fitting over a pipe, said body having a longitudinally extending opening therein, and a pair of laterally spaced flanges extending along said body upon opposite sides of said opening, and projecting outwardly of the body, a yoke fixed to said flanges, to extend beyond one end of the body for suspending said body in upended position, a pair of upper and lower toothed sectors eccentrically pivoted between said flanges for oscillation vertically into and from biting engagement with said pipe, means to move said sectors into biting engagement with said pipe in unison comprising a pair of upper and lower levers extending from the sectors, out of the space between said flanges, a coil spring connecting the upper lever to said yoke, and a chain connecting the lower lever to the upper one, and a pull chain depending from the lower lever for exerting force against said levers to disengage the sectors.

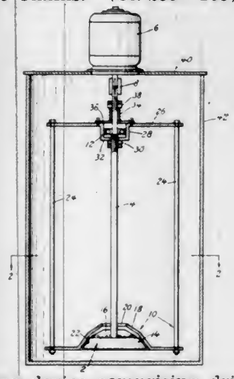
2,250,837
CALCULATING MACHINE
Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application September 14, 1935, Serial No. 40,599
66 Claims. (Cl. 235—60)

1. A calculating machine having depressible amount keys, two sets of index pins, means controlled by said amount keys for indexing an amount in said sets of pins, a plate movable to positions to prevent the indexing of either set of pins while leaving the other set free to be indexed, a traveling paper carriage, and means controlled



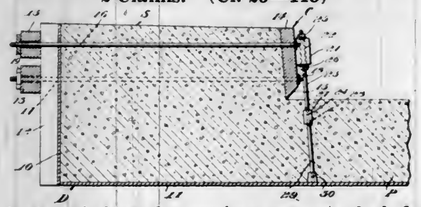
by said paper carriage acting to automatically and selectively position said plate.

2,250,838
MIXING DEVICE
Samuel K. Nester, Geneva, N. Y., assignor to Geneva Processes, Inc., a corporation of New York
Application December 19, 1939, Serial No. 310,073
9 Claims. (Cl. 259—105)



1. A mixing device comprising driving means, a shaft driven by said means, a mixing element fixed to said shaft and rotatable therewith, a bearing on said shaft and a second mixing element engaging said bearing and freely rotatable about said shaft, said second mixing element having a portion thereof located adjacent said first element in position to be driven impositively thereby through the action of material undergoing treatment and passing between said elements.

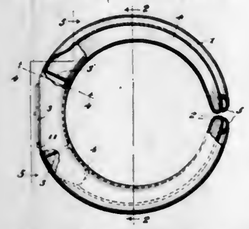
2,250,839
ADJUSTABLE CURB FORM
Bernard F. Perry, Rochester, N. Y.
Application May 29, 1940, Serial No. 337,905
2 Claims. (Cl. 25—118)



1. A curb form for use in a concrete deck form having side and bottom walls, the curb form

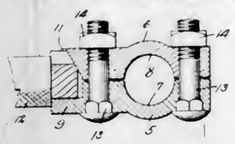
comprising a member elongated in cross-section and having opposed parallel sides one of which is adapted to confine poured concrete in the formation of a curb, rods for supporting said member horizontally from said side wall, apertured blocks secured to the other side of said member in spaced relation throughout the length thereof, rods adapted to be supported from said bottom wall and extending through the apertures in said blocks, and means for adjusting the rods in said apertures for moving the member relatively to said bottom wall for accuracy of curb grade.

2,250,840
THROAT COLLAR
Edward Pomeranz, Washington, D. C.
Application June 4, 1940, Serial No. 338,802
2 Claims. (Cl. 150—2.2)



1. A throat collar comprising a rubber body provided with an inner and an outer wall and two end portions, said body including said end portions being smooth its full inner height, each end portion being provided on its outer face with a circumferentially-extending, central groove, a medial partition extending from said groove to the inner wall, whereby the collar has a springy action in a lateral direction to accommodate itself to any position of the neck of the wearer, said body being provided with a transverse web extending from the inner wall and terminating short of the outer wall and intermediate the end portions, whereby the collar can be opened when the liquid in the collar is frozen solid, and valve means on said body between said end portions.

2,250,841
BATTERY POST CONNECTION
Roy Randall, Aspen, Colo.
Application June 18, 1940, Serial No. 341,209
2 Claims. (Cl. 173—259)



1. A battery terminal connector comprising a main section and a clamping section, said sections having curved battery post-engaging surfaces, a split sleeve formed at one end of the main section and adapted to receive an electric cable, a portion of the split sleeve being cutaway defining an inclined surface, said clamping section being also curved and adapted to fit over the split sleeve, one end of the clamping section being inclined and extended over the inclined surface of the split sleeve in contact therewith, forcing the split sleeve into clamping relation with the electric cable positioned on the split sleeve, when the sections are drawn together, and bolts extending through the sections and adapted to draw the sections together around the battery post.

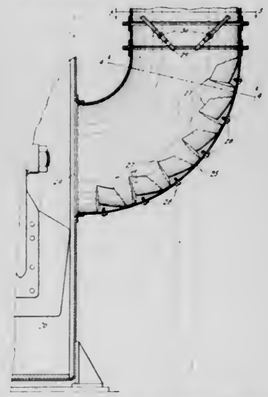
2,250,842
PROTECTION OF METAL ARTICLES AGAINST CORROSION BY COATING BY ELECTRO-DEPOSITION
Samuel Thomas Roberts, Southgate, London, England
No Drawing. Application June 14, 1938, Serial No. 213,625. In Great Britain July 24, 1937
6 Claims. (Cl. 204—43)

2. A process for protecting a metal article against corrosion comprising electrically depositing thereon a ternary preponderatingly cadmium alloy of zinc, cadmium and mercury from an aqueous alkaline cyanide bath containing at least about 12 ounces of caustic soda per gallon of water and containing aluminum sulphate in solution in addition to the metal ions of the alloy being deposited, and employing an alloy anode containing zinc, cadmium and mercury, the zinc-mercury ratio of the anode being substantially 8 to 1 and the zinc-cadmium ratio thereof being substantially 2 to 1.

2,250,843
PROCESS FOR ELECTROLYTIC DEPOSIT OF TIN
Roger T. Robinson, Huntington Park, Calif.
No Drawing. Application January 4, 1938, Serial No. 183,310
8 Claims. (Cl. 204—122)

1. A process for producing tin, which comprises subjecting a solution to electrolysis for the deposit of tin, said solution comprising an hydrochloric acid solution of tin and iron the oxidation condition of the solution during the electrolytic action being at all times maintained at a point corresponding to nearly 100% of the tin present being in the stannic condition but not beyond such oxidation condition as to retain the iron present in the ferrous state.

2,250,844
CENTRIFUGAL FAN
Ervin F. Roettger, Richmond, Va., assignor to Combustion Engineering Company, Inc., New York, N. Y.
Application January 13, 1940, Serial No. 313,693
4 Claims. (Cl. 302—37)



1. In combination with a centrifugal suction

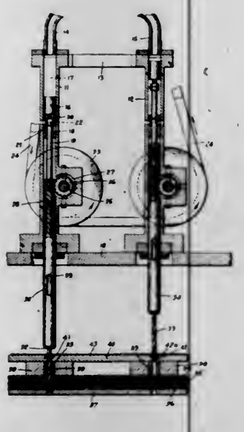
fan for transporting an abrasive material in a carrier fluid having rotor blades turning on an axis substantially coincident with the center of the fan intake and a conduit for delivering said mixture to the intake of the fan, wherein the material in the carrier fluid tends to become concentrated near one wall of said conduit and at one side of said rotor axis so as to cause uneven wear of said fan blades; deflecting members disposed transversely of the inner wall of said conduit adjacent the fan intake and extending inwardly and forwardly for directing the concentrated material toward the center of said fan intake.

2,250,845

PATTERN CONTROLLED MULTIPLE DRILLING MACHINE

Nicholas M. Stefano, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 17, 1938, Serial No. 246,268
7 Claims. (Cl. 77—62)



1. In a drilling machine, in combination with a plurality of rotating drills, yieldable means cooperating with the drills for urging said drills toward a piece of work to be drilled to effect drilling operations in said work, a template having a plurality of holes and a plurality of rotatable portions adapted to be positioned between the drill and the work so that a predetermined number of the drills are aligned with said holes and others of said drills are aligned with said rotatable portions, the last-mentioned drills during drilling operations engaging the rotatable portions so as to prevent contact between the drill so engaged and the work in spite of the urging of the yieldable means.

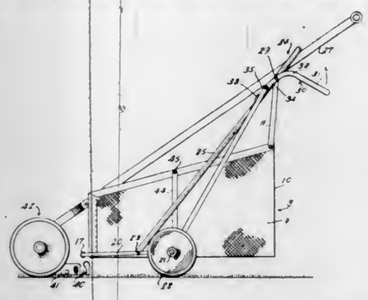
2,250,846

GRASS CATCHER

Clarence F. Sullivan, Maricopa County, Ariz.

Application September 4, 1940, Serial No. 355,316
6 Claims. (Cl. 56—202)

1. A grass catcher for lawn mowers, comprising, in combination, a frame, means of attachment thereof to a lawn mower, a handle extending upward and rearwardly therefrom and adapted to be supported by the lawn mower handle, a basket suspended by said metal frame, and retractable wheeled supporting means attached to said frame and mechanism including a lifting handle and a push rod connected to said wheel supporting means whereby said wheel supporting means may be lowered to a rolling position and optionally raised to retracted position.

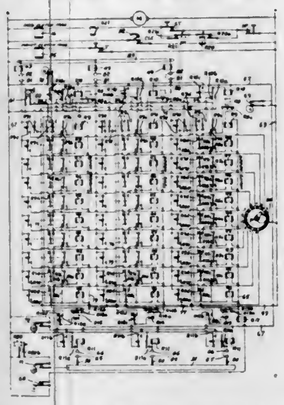


2,250,847

ELECTRICAL ACCUMULATOR

Torkel E. Torkelson, Baldwin, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application May 14, 1938, Serial No. 207,977
9 Claims. (Cl. 235—61.6)



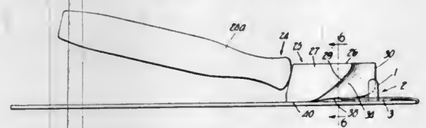
1. In an accounting machine controlled by a record, means to sense a value representation on said record, circuit means including a circuit interrupter for initiating differentially timed periodic impulses and a circuit-closing switch, value manifesting or accumulating means comprising a series of relays and variable entry circuit means therefor, means controlled by the sensing means at a differential time in accordance with the sensed value for closing the switch to render the circuit interrupter effective to cause a predetermined number of the initiated impulses representative of the sensed value to be impressed on the variable entry circuit means so as to energize the relays in sequence according to the number of impulses so impressed, variable holding circuit means for holding the last energized relay in its operated condition and being arranged to energize and hold the first relay of the series energized should no other relay in the series be energized and each relay, upon being energized, controlling the variable entry circuit means to condition the next relay in the series for energization and concurrently rendering the holding circuit means for the previous relay ineffective.

2,250,848

SETTING TOOL FOR OPENING AND CLOSING ENVELOPE FLAP FASTENERS

Benjamin K. Williams, Columbus, Ohio, assignor to F. L. Smithe Machine Co. Inc., New York, N. Y., a corporation of New York

Application July 28, 1938, Serial No. 221,741
11 Claims. (Cl. 1—50)



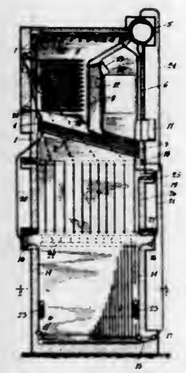
10. A tool adapted to simultaneously bend a pair of tongues extending from the central body portion of a sheet metal fastener, said fastener being also provided with a pair of aligned lobes having envelope attaching means, said tool comprising a handle, a foot secured to said handle and being provided at its forward end with a pair of oppositely inclined spaced deflecting surfaces adapted to engage the faces of the fastener tongues, the inclination of each of said surfaces progressively increasing in the lengthwise direction of the foot and the lower surface of the foot being formed to provide a pair of spaced coplanar foot-supporting areas and with a centrally disposed, longitudinally extending recess adapted to receive and pass the aligned lobes during a traverse of the tool for bending the tongues of a fastener.

2,250,849

RADIANT SUPERHEATER

Wilfred R. Wood, New York, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y.

Application October 28, 1937, Serial No. 171,450
3 Claims. (Cl. 122—481)



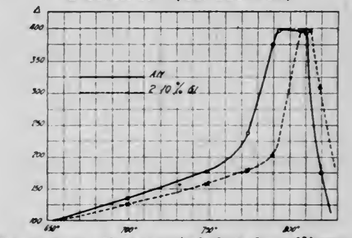
1. In a boiler, the combination of a furnace, burners in the lower part of the furnace arranged to inject the fuel and air tangentially to an imaginary horizontal circle thereby causing the gases in the furnace to rotate in a horizontal plane substantially coincident with the axes of the burners and about a vertical axis as they move upward, vertically extending water tubes lining the lower portions of the furnace walls and so located as to be swept by the gases in their rotary movement, and vertically extending steam superheater tubes lining the upper portions of the furnace walls.

2,250,850

BERYLLIUM ALLOY

Carlo Adamoli, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del., a corporation of Delaware

Application November 5, 1937, Serial No. 172,871
In Italy June 30, 1937
4 Claims. (Cl. 148—32)



1. A copper alloy containing beryllium in the proportion of about 1.3 to 2.6% and as a solubilizing metal for berryllium, vanadium in the proportion of about 0.2 to 0.5%, the balance being substantially all copper.

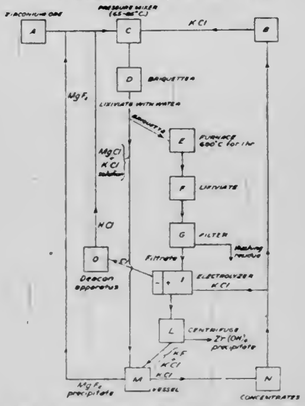
3. A copper alloy containing beryllium in the proportion of about 1.3 to 2.6% and titanium in the proportion of about 0.1 to less than 0.5%, the balance being substantially all copper.

2,250,851

PROCESS FOR THE EXTRACTION OF BASES OF RARE ELEMENTS CONTAINED IN ORES AND ROCKS

Carlo Adamoli, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del., a corporation of Delaware

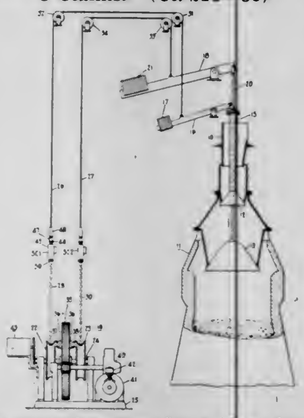
Application November 8, 1938, Serial No. 239,595
In Italy November 24, 1937
7 Claims. (Cl. 23—19)



1. In a cyclic process for the extraction of bases of rare elements of the group consisting of thorium, tantalum, caesium, niobium, zirconium, germanium, scandium, beryllium and lithium, contained in relatively small proportions in silicated minerals, the steps consisting of crushing the mineral, mixing it in a paste with a metal fluoride not easily soluble in water, and an aqueous solution containing a strong acid and a water soluble alkali-metal salt of said strong acid, heating said paste at a low temperature to form a water soluble salt of the metal of the said fluoride, expelling from the paste the liquid containing the said water soluble salt, briquetting the paste and heating it to a high

temperature to form water soluble fluorine compound of the rare element to be extracted, lixiviating the reaction product, separating therefrom a solution containing the fluorine compound of the rare element and at least a part of the initial alkali-metal salt, electrolyzing said solution to precipitate the rare element in the form of an insoluble hydroxide, separating said precipitate, regenerating from the residual liquid and from the liquid expelled from the first named paste the not easily water-soluble metal fluoride, the strong acid and the water soluble alkali-metal salt of said strong acid, and returning them into the cycle.

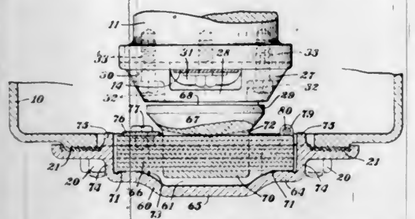
2,250,852
PROTECTIVE DEVICE FOR BLAST FURNACE BELL HOISTS
Valdemar Bertelsen, Bogota, and John Norman Anderson, Hoboken, N. J., and Cecil Todd Spriggs, Valley Stream, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application July 30, 1940. Serial No. 348,358
5 Claims. (Cl. 214—36)



2. In a control system for a blast furnace bell hoist in which each bell is biased to closed position by a counterweight and opened against the weight of its counterweight by rotatable means connected to the counterweight by roping and driven by a motor, a slack cable switch arranged in the connection between said counterweight and said rotatable means for causing operation of said motor to reopen the bell in case slack tends to develop in said roping before the bell becomes fully closed, and switching means for rendering said slack cable switch ineffective once the bell becomes fully closed.

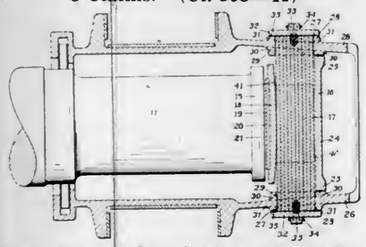
2,250,853
JOURNAL BOX
Albert O. Buckius, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application July 21, 1936, Serial No. 91,690
12 Claims. (Cl. 308—41)

6. In a journal box having an opening in the outer end thereof, a journal extending into said box and having a thrust receiving surface, a closure member for said opening, said closure member having a pocket opening toward said journal, leaf spring means in said pocket, means adjacent each end of said leaf spring means limiting movement of said spring means toward said journal, and a thrust block mounted on said spring means and adapted to cushion outward movements of said journal relative to said box,



said thrust block having means thereon surrounding said leaf spring for limiting movement of said thrust block toward said journal.

2,250,854
JOURNAL BOX
Albert O. Buckius, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application March 12, 1937, Serial No. 130,443
3 Claims. (Cl. 308—41)

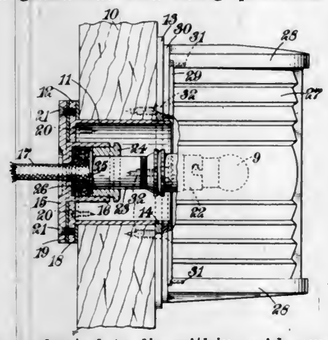


1. In a journal box having side walls, each side wall having an opening therein, a journal in said box, a thrust block opposite the end of said journal, and resilient means insertable through one of said openings and extending through said thrust block into said openings and engaging certain of the walls of said openings for cushioning movement of said journal relative to said box, said thrust block having a surface adjacent said resilient means of a curvature substantially the same as the curvature of said resilient means after a predetermined amount of deflection thereof, so that upon said predetermined amount of deflection said surface will be in substantially full engagement with said resilient means, portions of the walls of said openings being spaced from adjacent portions of said resilient means to allow said predetermined amount of deflection thereof.

2,250,855
MOUNTING FOR ELECTRIC FITTINGS
Victor George Bull, Hythe, England, assignor to Hubert Scott-Paine, Hythe, Southampton, England
Application December 5, 1940, Serial No. 368,715
In Great Britain November 21, 1939
1 Claim. (Cl. 240—11.3)

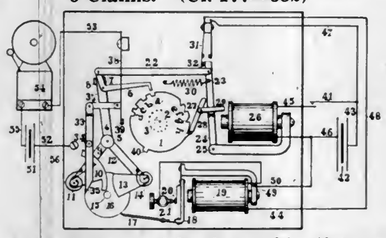
An air-tight and water-tight mounting for an electric fitting adapted to be attached to a supporting wall, comprising a metal tube adapted to fit a hole in said wall, an outwardly and inwardly extending flange integral with said tube at one end, said outwardly extending portion of said flange being adapted to engage the inner side of said wall around said hole therein, means

for securing the outwardly extending portion of said flange to said wall, a back-plate adapted to be secured to said flange and having an opening through the center thereof and provided on its inner face with an inwardly projecting cup-shaped portion which is internally threaded and on its outside engages said flange, a gland-nut adapted to screw into said cup-shaped portion of the back-plate, a lamp socket, a cable connected to said lamp socket and extending through the hole in said back-plate, said lamp socket having approximately the diameter of the hole in said gland-nut and being provided with a



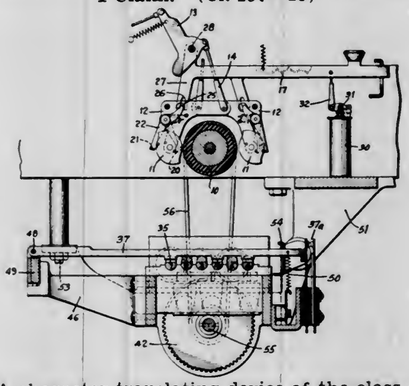
shoulder adapted to lie within said cup-shaped portion of said back-plate and be engaged by said gland-nut, packing material interposed between said shoulder on said lamp socket and the bottom of said cup-shaped portion on the back-plate, an outwardly extending flange having screw-threaded engagement with the outside end of said tube and adapted to engage the outer side of said wall around the hole therein, a lamp glass and casing therefor adapted to abut said last-mentioned flange, and means for securing said lamp glass casing and the flange with which it cooperates to the outside of said supporting wall.

2,250,856
SELECTOR
Henry Burton, Gardena, Calif.
Application September 6, 1938, Serial No. 228,564
5 Claims. (Cl. 177—332)



1. A selector comprising in combination a movable code member biased to a normal position, a reciprocatory actuating element biased to a normal position, cooperating to advance the code member step by step responsive to code impulses, means for applying code impulses, detent means associated with the code member according to a predetermined code, a detent member cooperating to detain the code member whenever it is advanced in step with the code to permit reversion of the code member whenever it is out of step with the code, timing means cooperating with the actuating element to limit retraction thereof for a period greater than the normal period between code impulses, means effective to render the code member after reversion unresponsive to the actuating element pending full retraction thereof, and manifesting means responsive to the code member.

2,250,857
TELETYPEWRITER
Charles R. Doty, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 9, 1939, Serial No. 303,526
1 Claim. (Cl. 197—19)

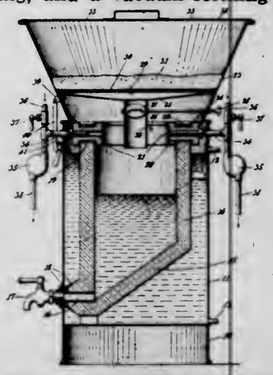


A character translating device of the class described comprising, in combination, a keyboard having a plurality of key levers one for each character, individual electromagnets for operating said key levers, a plurality of rotatable permutation elements each having an elongated cross-section in the shape of a cam with a single high portion and a long dwell, said elements being provided with transverse slots cut at predetermined locations along the high portions of their peripheries, a plurality of seeker levers each aligned with a slot in predetermined ones of the permutation elements but normally withheld from said slots by the high portions of the peripheries of others of said elements, means to rotate predetermined combinations of the permutation elements in accordance with the characters to be translated to select said seeker levers for operation by removing the high portions of the rotated elements from the paths of predetermined ones of the seeker levers to cause the selected levers to seek the slots in the elements remaining stationary with which the latter levers are aligned, and individual circuits for energizing the magnets to operate the related character key levers including circuit-closing means rendered effective by the operated seeker levers for the predetermined period during which time the long dwells of the rotated permutation elements are moving by said selected seeker levers, said period being of sufficient duration to insure positive energization of the magnets in the circuits rendered effective by said seeker levers.

2,250,858
BEVERAGE MAKING DEVICE
Joseph B. Ducat, Jamaica, N. Y.
Application November 28, 1939, Serial No. 306,452
6 Claims. (Cl. 53—3)

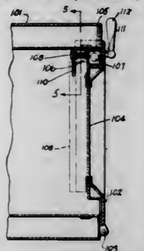
1. In a beverage-making device, a beverage-containing vessel with an inclined bottom terminating at its lowermost point in a closable outlet for the vessel, an outer warming vessel wherein the first vessel is suspended, a removable seal-

ing ring seated upon the upper edge of said beverage-containing vessel, a filter vessel seated upon the sealing ring, a passage through said sealing ring, and a vacuum-forming device se-



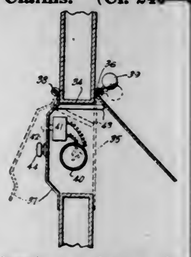
cured to said passage and intended to uniformly maintain a partial vacuum within the beverage-containing vessel, said filter vessel having a depending outlet extending substantially below said passage.

2,250,859
STOVE
Clement Ehret, White Plains, N. Y.
Application January 7, 1939, Serial No. 249,673
14 Claims. (Cl. 126—200)



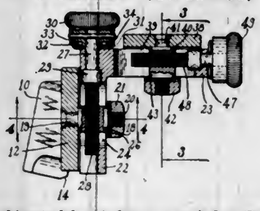
1. A stove comprising a stove body including an oven having a door, a transparent panel in said door, a lamp for illuminating the interior of the oven, a lamp housing enclosing the lamp and having a light penetrable panel, and a wiper operable to wipe the panels of both the door and lamp housing.

2,250,860
OVEN ILLUMINATION FOR STOVES
Clement Ehret, White Plains, N. Y.
Application August 26, 1939, Serial No. 292,010
3 Claims. (Cl. 240—5)



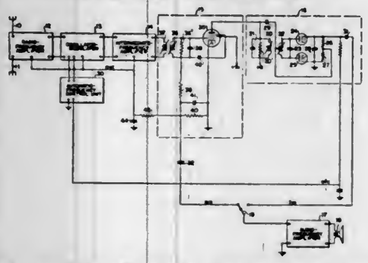
1. An oven having a lamp chamber provided with an opening into the interior of the oven and another opening to the atmosphere, a lamp mounted in fixed position in said chamber for illuminating the oven interior, an inner closure for closing the opening into the oven interiorly of the lamp to normally protect the lamp from the heat within the oven, an outer closure for closing the opening to the atmosphere exteriorly of the lamp to preclude loss of heat from within the oven to the atmosphere when the inner closure is open, and means for operatively connecting said closures so that one is closed as the other is opened.

2,250,861
SIGHT FOR FIREARMS
Carl E. Ekdahl, New Haven, Conn., assignor to The Marlin Firearms Company, New Haven, Conn., a corporation of Connecticut
Application October 27, 1939, Serial No. 301,623
5 Claims. (Cl. 33—56)



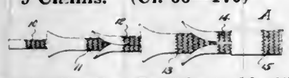
1. An adjustable sight mount for firearms comprising a mounting member, a sight-carrying member attached thereto for sliding adjustment, one of said members being provided with a groove extending in the direction of said adjustment and the other of said members having a rib received in said groove, said groove having side walls diverging outwardly from its bottom portion, said rib being complementally tapered to be received snugly against the side walls of the groove, one of said members being provided with an elongated slot parallel to said groove, a stud secured to the other member slidably fitting said slot, securing means on the stud to hold said members slidably connected and said rib in said groove, and an adjusting screw rotatably mounted in said slotted member and extending within and along said slot to threadedly engage said stud whereby rotation of the screw effects slidable adjustment of said sight-carrying member.

2,250,862
COMBINATION AMPLITUDE-MODULATION-FREQUENCY-MODULATION RECEIVER
John F. Farrington, Laconia, N. H., assignor to Hazeltine Corporation, a corporation of Delaware
Application July 16, 1940, Serial No. 345,726
11 Claims. (Cl. 250—20)



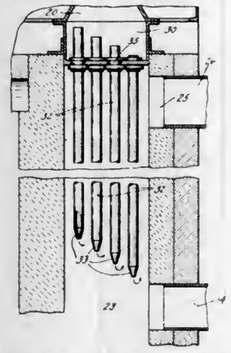
1. A modulated-carrier wave-signal receiver comprising, a carrier-frequency signal-translating stage, means included in said stage for causing said stage to act as an amplitude limiter over a given carrier-frequency range so that amplitude modulation is removed from translated signals within said given carrier-frequency range, means included in said stage for causing said stage to act as an amplitude-modulation detector over said given carrier-frequency range, and means for selectively utilizing a first signal output from said stage to reproduce a received frequency-modulated carrier wave corresponding to a signal within said given frequency range, or a second signal output from said stage to reproduce a received amplitude-modulated carrier wave corresponding to a signal within said given frequency range.

2,250,863
FLEXIBLE CABLELIKE FORMATION OF KNITTED METALLIC FABRIC
Alfred M. Goodloe, Montclair, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application October 8, 1940, Serial No. 360,220
9 Claims. (Cl. 66—170)



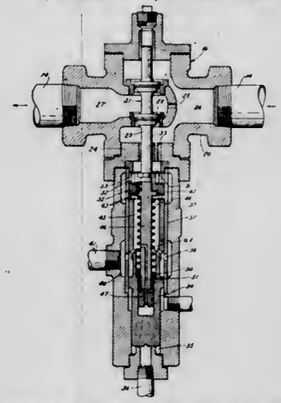
1. A longitudinally flexible cable-like body comprising knitted metallic wire fabric arranged in laterally convolved superposed layers, wherein the interengaged knit loops of the fabric lie parallel to the longitudinal axis of the body, and wherein sliding play is permitted between longitudinally adjoined loops toward and from each other throughout the mass of the body.

2,250,864
HEAT EXCHANGER
Charles W. Gordon, Glen Ellyn, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y.
Application September 22, 1939, Serial No. 296,028
4 Claims. (Cl. 183—6)



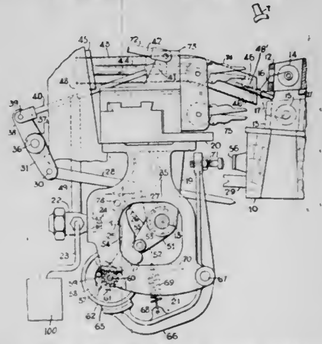
1. Heat exchange apparatus for heating gases comprising; a duct having an inlet at one end and an outlet at the other; means defining a chamber adjacent said outlet for receiving gases to be heated; a plurality of tubes each connected at one end to said chamber and extending through said duct toward said inlet, the ends of said tubes adjacent the duct inlet being free and uniformly distributed across said duct for discharging said gases from said tubes substantially uniformly into said duct adjacent its inlet; and means for supplying gases to be heated to said chamber and hot gases to the inlet of said duct to mix with gases discharged from said tubes and flow therewith over the latter to said outlet.

2,250,865
CONTROL VALVE FOR CENTRIFUGAL PUMPS
Joseph F. Griffin, Hammond, Ind., assignor to The Superheater Company, New York, N. Y.
Application February 23, 1940, Serial No. 320,329
6 Claims. (Cl. 103—16)



1. In pump control mechanism having a valve in a conduit for supplying actuating fluid to the pump, and a by-pass for passing a relatively small amount of said fluid to the pump when said valve is closed; means forming a chamber in communication with the inlet side of said valve; pressure responsive means in said chamber so connected to said valve that fluid pressure at the inlet side of said valve tends to close it; a vent for relieving said chamber of pressure; and means responsive to a predetermined pump delivery pressure of the pump connected to said valve so as to open it and acting to close said vent for subjecting said first pressure responsive means to the pressure of fluid at the inlet side of said valve.

2,250,866
WEFT END CONTROL MEANS
William R. Hewton, Philadelphia, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 6, 1939, Serial No. 277,575
15 Claims. (Cl. 139—256)



1. In a weft replenishing loom having means

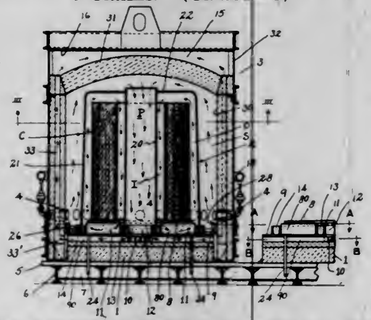
to sever the outgoing weft at different times at two separated points and a pneumatic device to remove the detached end, the combination of parts which include a pneumatic tube having one end adjacent the path of the weft outside the weaving shed at a point between the points of severance, means to force air through the tube in a direction to move the detached weft end through the tube, and air flow control means to initiate the flow of air and to stop the flow of air through the pneumatic tube after the weft has been severed at both points, said air flow control means comprising a valve and a valve actuator which operates the valve after the indication for replenishment.

2,250,867
SHARPENING DEVICE
Henry L. Hindle, Jr., Philadelphia, Pa.
Application December 18, 1940, Serial No. 370,606
1 Claim. (Cl. 51—211)



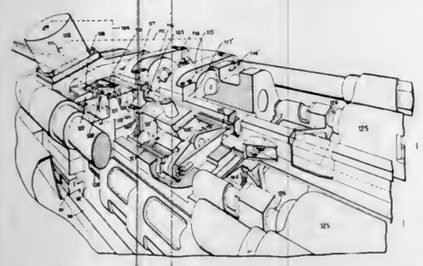
A razor blade sharpening device comprising an arcuate body portion having an internal diameter substantially in excess of the width of the blade to be sharpened, the inner surface of said body portion being provided with a plurality of substantially identical, longitudinally extending ribs of a convex transverse cross section, the width of any two of said ribs being substantially equal to the width of said blade, and the curvature of each of said ribs being such that when the center of said blade is pressed into contact with crest of one of said ribs a cutting edge of said blade is in tangential contact with the crest of an adjacent rib.

2,250,868
COIL-ANNEALING FURNACE
Edward I. Huff, Montclair, N. J., assignor to Huff Equipment Company, a corporation of Pennsylvania
Application April 3, 1940, Serial No. 327,612
9 Claims. (Cl. 266—5)



1. An annealing furnace including a circular hearth with a central intake and a plurality of flues extending radially from said central intake to the periphery of the hearth, a cylindrical outer inclosing furnace wall of heat-insulating material seated upon said hearth and including a circumferential succession of outlet flues in communication with the radially outer ends of said hearth flues, an inner muffle of annular shape and including imperforate inner and outer peripheral side walls and a top wall of heat-conducting material, said muffle being open at bottom and removably borne by the hearth within said outer furnace wall and when so seated spaced from such outer furnace wall, the region or space within the inner side wall of the annular muffle in open communication with the central intake of the hearth, said muffle adapted when in place to enclose a charge resting on the hearth, a plurality of burners arranged in spaced relation circumferentially of and extending through the outer furnace wall at the base thereof and adapted to deliver flames to the space between the outer side wall of the muffle and the inclosing furnace wall, whereby the flames and hot products of combustion springing at the base of the muffle and at the outer periphery thereof flow upward over the outer side wall of the muffle, converge and descend over the inner side wall of the muffle to the hearth flues, spread radially in the hearth to the outgo flues in the inclosing furnace wall, and ascend through such flues to an outlet.

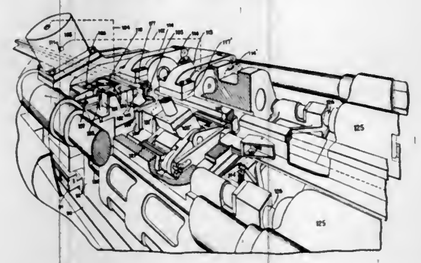
2,250,869
MEANS FOR WELDING RAILS
George Lester Jones, Garden City, N. Y., and Charles B. Roede, Ridgefield, N. J., assignors to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application October 15, 1937, Serial No. 169,222
9 Claims. (Cl. 219—4)



1. A mobile rail welding train adapted to travel along a railroad track, said train comprising a combined traction and power-generating unit for hauling the train and providing power for the welding operation, a rail supply car, a welding car having a rail welding mechanism mounted thereon, means for feeding rails from said supply car to said mechanism, means for supplying power from said unit to said mechanism, a plurality of flat cars for storing the lengths of welded rail, and means for moving the welded rail from said mechanism to said flat cars, said last-named means including a winch and a cable, said cable being connected at one end to said winch and at the other end to the leading end of the welded rail.

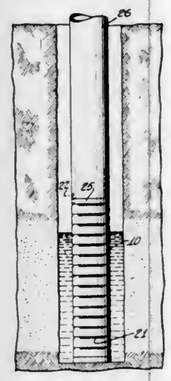
8. In a rail welding machine comprising a supporting base and fixed dies, the rails to be welded being adapted to be supported on said base and against said dies, means for heating to welding temperature the adjacent ends of said rails, means for pressing said ends together to form the weld and cause the formation of a bead of extruded metal outside the weld, means for withdrawing the welded rail from said machine, and means for actuating the welded rail in a direction away from said base and said dies and to the extent necessary to cause said bead to clear said base and said dies when the welded rail is withdrawn.

2,250,870
METHOD FOR WELDING RAILS
George Lester Jones, Garden City, N. Y., and Charles B. Roede, Ridgefield, N. J., assignors to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Original application October 15, 1937, Serial No. 169,222. Divided and this application December 12, 1940, Serial No. 369,772
5 Claims. (Cl. 219—10)



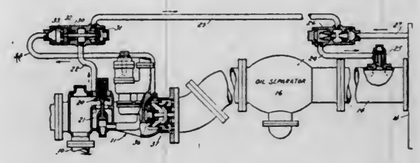
1. The method of welding rails in a machine having a fixed die, which consists in similarly positioning all of the rails prior to the welding operation so that the side thereof which was rolled simultaneously with the base by the same roller is positioned in every case on the same side as the fixed die, and welding adjacent rails.

2,250,871
WELL SCREEN
William J. Lumbert, Scituate, Mass., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 27, 1938, Serial No. 231,857
6 Claims. (Cl. 166—5)



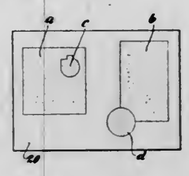
1. A well screen comprising an assemblage of cylindrical sections, each of said sections including a bevelled upper end wall and a bevelled lower end wall, said upper and lower walls having bevelled aligned portions, the bevel of said aligned portions extending inwardly and upwardly, the angle of inclination of said aligned portions being greater than the angle of inclination of the remaining portions, and the angle of inclination of said aligned portions of the upper wall being less than the angle of inclination of said aligned portions of the lower wall, and means securing adjacent sections in assembled relationship.

2,250,872
OIL SEPARATING APPARATUS
Ralph G. Makely, West New Brighton, N. Y., assignor to The Superheater Company, New York, N. Y.
Application December 15, 1939, Serial No. 309,409
3 Claims. (Cl. 60—94)



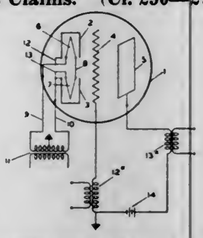
1. In combination with an injector for forcing feed water into a boiler, a conduit connecting said injector to the exhaust of a steam engine, and an oil separator interposed in said conduit between said engine and said injector; a source of water connected to said injector; piping connecting the suction water side of said injector to said exhaust steam conduit at a point between said engine and said separator; and means for circulating water through said piping and spraying it into the exhaust steam flowing therethrough before it enters said separator.

2,250,873
METHOD FOR FORMING PHOTOGRAPHIC PLATES
John C. May, Chicago, Ill., assignor to Alco-Gravure Division of Publication Corporation, New York, N. Y., a corporation of New York
Application September 17, 1938, Serial No. 230,361
3 Claims. (Cl. 95—5.1)



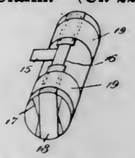
1. The method of preparing sets of composite color separation positives of art subjects, in which said art subjects are photographed on separate negatives and at least one of said art subjects is to be in touching relationship to another, comprising preparing a master plate having a layout of the art subjects thereon, securing the master plate in a frame having positioning means thereon, placing one of the color separation negatives of one of said touching subjects in register with the corresponding art subject on the master plate, securing the separation negative in a registering frame having locating means complementary to and engageable with said positioning means, placing the negative of the other touching art subject from the same set of separation negatives in register with its corresponding art subject on the master plate, securing the negative of said other art subject in another registering frame having locating means complementary to and engageable with said positioning means, and separately placing and photographing the negatives in said registering frames on a camera having positioning means corresponding to the positioning means on the first-mentioned frame to obtain a single positive having said art subjects in touching relationship.

2,250,874
THERMIONIC DISCHARGE TUBE SYSTEM
Henry J. McCarthy, Danvers, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Original application August 6, 1936, Serial No. 94,524, now Patent No. 2,122,377, dated June 28, 1938. Divided and this application December 7, 1937, Serial No. 178,463
2 Claims. (Cl. 250—27)



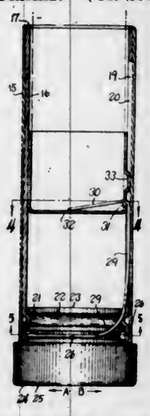
1. A wave repeating system including a thermionic discharge tube having a bi-part cathode assembly with a pair of separate emitting members, a heater wire for each member and insulatingly placed therefrom, a direct connection from an end of one heater wire to its associated emitting member, a direct connection from an end of the other heater wire to its associated emitting member, the other ends of said heater wires being connected together, an anode common to both said members to receive electron emission therefrom, a source of heating current connected at its opposite terminals to said members so that said heater wires are in series with said heating current source, a connection from the electrical mid-point of said heating current source to ground, and an output circuit including a source of steady potential connected between said anode and ground.

2,250,875
PACKAGE
Edwin J. McConnell, Hagaman, N. Y., assignor to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York
Application July 10, 1940, Serial No. 344,759
1 Claim. (Cl. 229—51)



A package for an article, such as a rolled sample rug, which comprises a one-piece wrapper extended circumferentially about the article and having ends folded to cover the ends of the article and an overlapping edge extending lengthwise of the article, a tear-strip of material stronger than the wrapper secured to the inner side thereof and extending about the central portion of the article with the wrapper, said tear-strip having a free end projecting beyond said overlapping edge, a strip extending longitudinally along said overlapping edge and securing it to the remainder of the wrapper, a strip extending diametrically across each end of the wrapper for holding the ends in folded relation, the end portions of said end strips extending along the sides of the package but terminating short of each side of the tear-strip, said end portions at one side overlying the end portions of the longitudinally extending strip, and strips extending circumferentially about and secured to the wrapper near each end thereof and overlying the end and longitudinally extending strips, the tear-strip being substantially coextensive with the length of the wrapper and operable to tear free a circumferential portion substantially the width of the tear-strip and extending entirely around the wrapper to leave separated end portions of the package on either side of the tear-strip, so that said end portions may be slipped off the ends of the article.

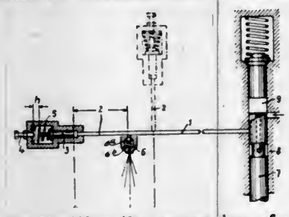
2,250,876
ADJUSTABLE HOLDER FOR LIPSTICKS AND THE LIKE
August Mitchell, Middlebury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application November 10, 1939, Serial No. 303,719
9 Claims. (Cl. 206—56)



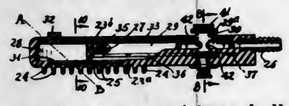
1. A holder for lipsticks and the like including in combination: a body; a carrier advanceable and retirable within the said body; a rotary operating-member associated with the said body for rotation about an axis substantially parallel with respect to the path of movement of the said carrier and having a wind-portion upon which a flexible transmitting-member may be wound; and a flexible transmitting-member having one portion extending in a direction substantially parallel to the path of movement of the said carrier and operatively connected thereto for both pulling and thrusting thereupon, the said transmitting-member also having another portion extending substantially transversely to the path of movement of the said carrier into position to be wound upon and unwound from the wind-portion of the said rotary operating-member to positively advance and retire the said carrier within the said body.

2,250,877
FUEL INJECTOR FOR INTERNAL COMBUSTION ENGINES
Anton Pischinger, Cologne-Deutz, Germany, assignor to Klöckner-Humboldt-Deutz, Aktiengesellschaft, Cologne-Deutz, Germany, a corporation of Germany
Application June 25, 1940, Serial No. 342,219
In Germany May 19, 1939
1 Claim. (Cl. 123—139)

In a fuel injecting system for internal combustion engines, a valve-controlled nozzle, an injection conduit for conducting fuel to said nozzle, means urging said nozzle valve to closed position and yieldable to pressure of the fuel in said supply conduit, a pump adapted to force fuel intermittently into said injection conduit at an initial pressure at least slightly greater than the pressure at which said nozzle valve is urged to closed position, means forming a yieldingly expansible chamber, a branch conduit connecting said expansible chamber to said injection conduit, means limiting the expansion of said chamber, the means forming said expansible chamber being adapted to yield to a pressure lower than the pressure at which said nozzle valve is urged to closed position, whereby a pressure wave generated by said pump is reduced, upon reaching said expansible chamber, to a pressure below said nozzle valve opening pressure.

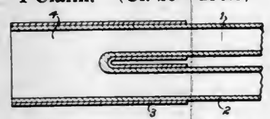


2,250,878
SHAMPOO BRUSH
Philip Quaranti, Bronx, N. Y.
Application June 8, 1940, Serial No. 339,555
7 Claims. (Cl. 15—129)



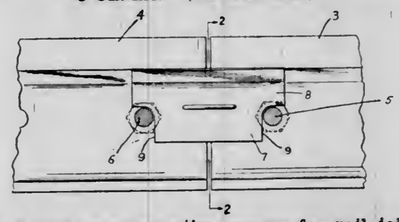
1. A shampoo brush, comprising a hollow brush body having a flexible front wall provided with a plurality of massaging nipples and passages through said wall among said nipples, a pipe nipple on said body for a water supply to the interior of said body, a flexible partition within the hollow of said body and extending from the back wall thereof and movably contacting the front wall and dividing off separate compartments for shampoo material and water, and means for forcing the one edge of said partition over and across certain of said passages.

2,250,879
PROCESS FOR MAKING RETURN BENDS
Wilhelm Rieger, Kassel-Wilhelmshohe, Germany, assignor to The Superheater Company, New York, N. Y.
Application August 30, 1938, Serial No. 227,473
In Germany September 30, 1937
1 Claim. (Cl. 29—157.6)



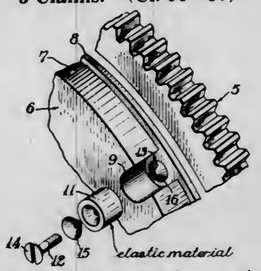
The process for fabricating return bends, comprising placing on each of the tubes to be connected by the return bend a sleeve of metal of the desired protective character, heating each of the tubes with their sleeves to a welding heat, slitting each tube and its sleeve for a distance from its end, bending out the portions of each tube and sleeve adjacent to the slit, welding the edges of the bent-out portions of one tube and sleeve to the corresponding edges of the other, and finally closing the end of the resulting structure by swaging, whereby there is formed a return bend enclosed in a casing of the protective metal.

2,250,880
WEAR COMPENSATING MEANS FOR RAIL JOINTS
John William Skeel, North Girard, Pa., assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application October 22, 1940, Serial No. 362,223
3 Claims. (Cl. 238—244)



1. A wear compensating means for rail joints comprising a sheet metal shim comprising a depending portion disposed intermediate joint securing bolts, said portion having an offset, said offset being a narrow crimped-in portion of substantially equal depth and width as viewed in cross section provided longitudinally thereof to strengthen said portion.

2,250,881
ENGINE STARTER
Maurice P. Whitney, Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 26, 1938, Serial No. 192,825
3 Claims. (Cl. 64—30)

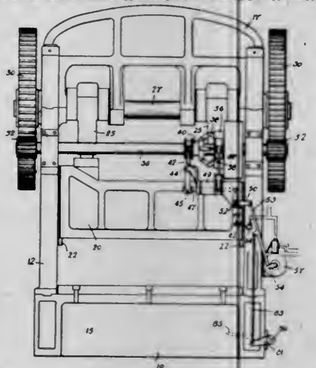


1. In an engine starter drive, a ring gear, an engine member having a peripheral seat on which the ring gear is rotatably mounted, and having a plurality of recesses in said seat, blocks of elastic material having a high coefficient of friction heated in said recesses and engaging the interior of the ring gear, and means for compressing said blocks laterally of the engine member within the recesses to cause them to expand radially of the engine member and thereby increase the frictional engagement thereof with the interior of the ring gear.

2,250,882
PRESS
Larkin R. Williamson, Cincinnati, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application April 20, 1938, Serial No. 203,073
3 Claims. (Cl. 192—84)

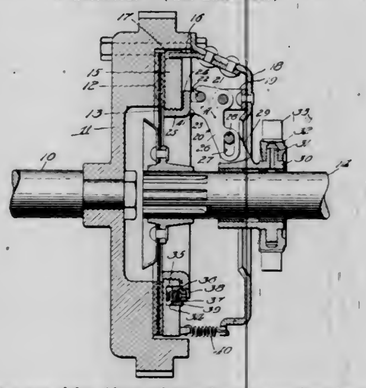
1. In a metal working press of the type com-

prising a reciprocable die head, a shaft, means connecting the shaft to the die head to reciprocate the same, power means and a clutch between the power means and said shaft, means for controlling the clutch comprising a reversible motor operative to assume and stall under a load, clutch



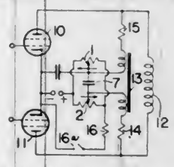
actuating connections between said motor and clutch, a source of power for actuating said connections to engage the clutch by rotation of said motor, and means responsive to reciprocation of said die head for reversing said motor for actuating said connections to disengage the clutch.

2,250,883
CLUTCH
Nicholas F. Adamson and Kay L. Bastrup, Racine, Wis., assignors to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Original application May 10, 1939, Serial No. 272,768. Divided and this application May 1, 1940, Serial No. 332,770
3 Claims. (Cl. 192—68)



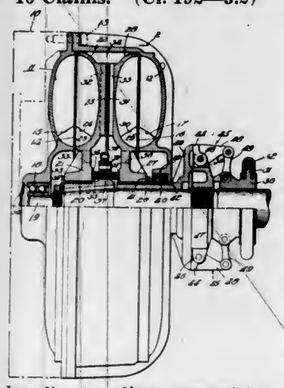
1. The combination of a rotary member having a cover plate, a pressure plate drivably connected to the cover plate and axially shiftable to grip a driven plate against the member, an L-shaped lever pivoted on the cover plate, one arm extending generally toward the pressure plate and the other toward the clutch axis when the clutch is engaged, and means engageable with said last-named arm for rocking the lever on the cover plate as a fulcrum to cause the first-named arm to move the pressure plate to driving position and for retracting the lever to permit the pressure plate to move to released position, the lever arms being so proportioned and arranged relative to each other and to the lever pivot that the center of gravity of the lever shifts from one side to another of the radius through the lever pivot as the clutch is engaged and disengaged whereby centrifugal force acts to maintain the lever in either position.

2,250,884
CENTERING ARRANGEMENT FOR CATHODE RAY BEAMS
Herbert Bähring, Berlin-Zehlendorf, Germany, assignor to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany
Application October 22, 1938, Serial No. 236,413
In Germany October 23, 1937
5 Claims. (Cl. 179—171)



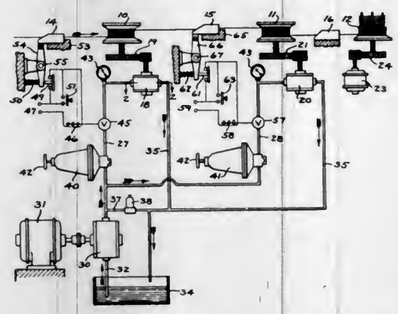
1. In a scanning system, the combination of a repeater having a control element, means for applying a scanning voltage wave to said control element, a supply circuit for applying unidirectional operating current to said repeater, an output circuit connected to said repeater, a bridge circuit coupled to said supply and output circuits to direct a portion of said operating current through said output circuit, and means for adjusting said bridge circuit to control the flow of said portion of said operating current in said output circuit.

2,250,885
HYDRAULIC COUPLING
Percy H. Batten, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application January 15, 1940, Serial No. 313,839
16 Claims. (Cl. 192—3.2)



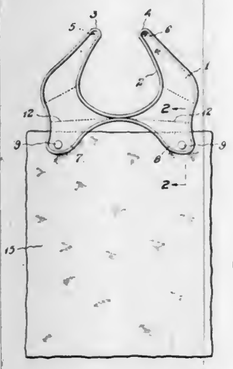
1. A hydraulic coupling comprising in combination, a pair of axially spaced and connected impellers located in facing relation, a shaft coaxial with the impellers, a pair of runners freely journaled relative to the shaft and forming with the impellers a pair of liquid working chambers, one of the runners being movable axially of the shaft, axially shiftable clutch means secured to the shaft between and adapted to engage both runners, and means for shifting the movable runner to engage the clutch means with both runners.

2,250,886
WIRE-DRAWING MACHINE
Albert G. Blodgett, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application December 8, 1939, Serial No. 308,223
3 Claims. (Cl. 205—14)



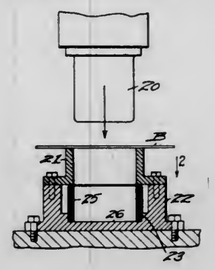
1. A wire-drawing machine comprising a plurality of dies, a plurality of rotatable drums to draw wire through the dies successively, means to drive one of the drums at a predetermined speed, a plurality of constant displacement hydraulic motors each of which is connected to another of the drums to drive the same, and means to supply fluid to each of the motors at an independently adjustable predetermined pressure.

2,250,887
BIB APPLIANCE
John W. Brown, Cleveland Heights, Ohio
Application June 15, 1939, Serial No. 279,241
2 Claims. (Cl. 2—49)



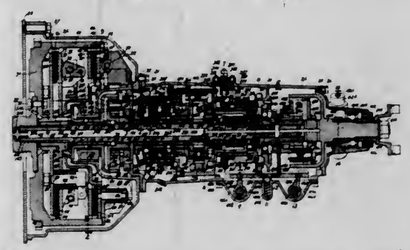
1. A bib appliance comprising the combination of a holder adapted to encircle the neck of a wearer and partly fashioned as a two-ply assembly with certain depending portions loosely appositoned, interengaging clamping members secured to said depending portions respectively, one of said members comprising a stud and formed with a flat clamping surface thereabout and the other of said members being formed with a socket and with a flat clamping surface therearound, and a paper bib having a margin interposed between said clamping members, the latter deforming the material with resulting increased areas thereof to be engaged and compressed between the cooperating flat surfaces whereby a stronger attachment to a tearable bib is provided.

2,250,888
BOX COVERING AND METHOD OF MANUFACTURE THEREOF
Alfred E. Chandler, Gardner, Mass., assignor to Simplex Time Recorder Co., Gardner, Mass., a corporation of Massachusetts
Application February 24, 1940, Serial No. 320,727
3 Claims. (Cl. 69—21)



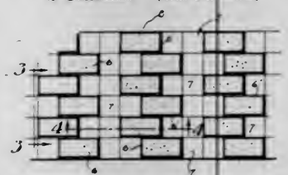
1. The method of making a leather covering member which comprises soaking a leather blank in a warm leather softening liquid for a considerable period, removing the blank from the softening liquid, allowing the blank to stand for a further considerable period until the softener has thoroughly permeated the leather, drawing the leather between dies to form a covering member of deeply recessed section, forcing said covering member entirely through the female die into a rigid form ring, removing said ring from said dies, and thereafter removing said covering member from said ring and placing said member on a part to be covered.

2,250,889
TRANSMISSION GEARING
Frederick W. Cotterman, Dayton, Ohio, assignor of one-half to Bessie D. Apple, Dayton, Ohio
Application January 11, 1940, Serial No. 313,375
15 Claims. (Cl. 74—260)



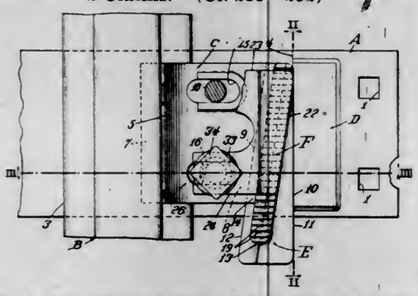
1. The combination, in transmission gearing, of two gear connected rotatable elements, the one rotatable at a different speed from the other, a rotatable member having clutch means normally engaged with one of said elements but adapted to shift and engage the other of said elements, said clutch means being shiftable by light force only when not under load, a speed responsive device adapted to apply said light force, a resilient means interposed between said speed responsive means and said clutch adapted to yield to said light force when said clutch is under load and permit said speed responsive means to move part way without shifting said clutch, and a signal operative by said speed responsive means upon part way movement when said clutch is under load, but again inoperative upon full movement after said clutch has been shifted.

2,250,890
PAVING BLOCK AND PAVEMENT
Dwight W. Longfellow, Elk River, Minn., assignor to Elk River Concrete Products Company, Elk River, Minn., a corporation of Minnesota
Application May 3, 1940, Serial No. 333,124
2 Claims. (Cl. 94—11)



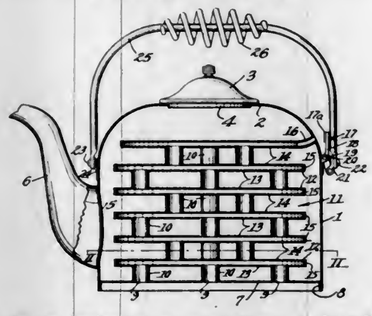
1. A pavement made up of a multiplicity of elongated rectangular paving blocks formed with raised intermediate surfaces that are approximately one-half the length of the respective blocks and are located substantially equi-distant from the ends of said blocks, said raised portions being of a length approximately equal to the added length of the end portions thereof, the said blocks being laid in rows with the raised portions of adjacent blocks lapping one-half the length thereof and with the upper faces of the end portions also lapping with the raised portions of the blocks in adjacent rows, thereby forming zigzag channels extending transversely of the rows.

2,250,891
RAIL BRACE
Lyle I. Martin, Chicago, Ill., assignor to Morden Frog & Crossing Works, Chicago, Ill., a corporation of Illinois
Application September 11, 1940, Serial No. 356,343
2 Claims. (Cl. 238—292)



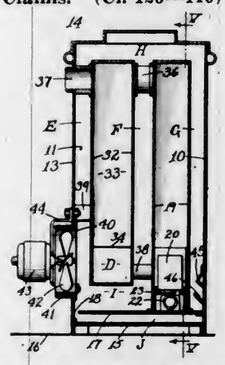
1. A rail brace device of the type wherein a rail is supported on a plate, with a brace member on the plate and against the rail, with an abutment on the plate, with a wedge between the abutment and brace member movable transversely of the plate to hold the brace member against the rail and having teeth on its upper face; that improvement which consists of a cover member for locking the wedge in adjusted position with respect to the brace member, said cover member comprising a unitary structure substantially U-shaped in plan having a head portion overlying and extending generally along the length of the wedge, the under surface of said portion having teeth to interlock with the wedge teeth to prevent relative movement of said wedge and said portion in the direction of their lengths, said cover member also having two laterally spaced parallel arms projecting from the same side of said head portion and overlying the brace member, the confronting surfaces of said arms and brace member being toothless throughout the lengths of the arms, the arms and the underlying part of the brace member being apertured to receive bolts, a bolt extending through one brace member aperture and the aperture in one arm, and another bolt extending through the other brace member aperture and the aperture in the other arm, and nuts on the bolts to be tightened to hold the several parts in place.

2,250,892
TEAKETTLE
Alfred Mazer, Newark, Ohio
Application July 29, 1939, Serial No. 287,345
4 Claims. (Cl. 53—9)



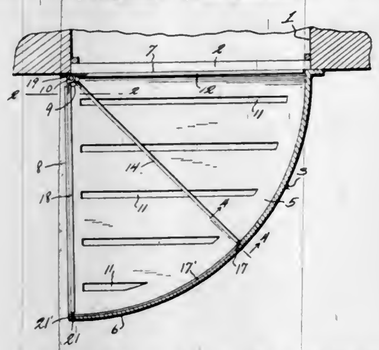
1. In a teakettle, a container, a handle for said container, means disposed in said container to provide a tortuous gas passage therein communicating at one end with the atmosphere through the bottom wall of said container, the other end of said passage communicating with the atmosphere through an upper wall, and closure means for the last-mentioned end of said passage, said closure means being connected with and operated by said container handle.

2,250,893
HEATER
Robert L. McCall, Winfield, Kans.
Application April 15, 1941, Serial No. 388,669
4 Claims. (Cl. 126—110)



1. In a heater of the character described the combination with an external casing, a radiator structure in said casing spaced from the walls of the casing at all points, partitions connecting the radiator with the opposite sides of the casing and dividing said casing into front and rear compartments, means for heating the interior of the radiator structure, a cold air inlet in the rear wall of the casing at a point nearer the bottom than the top of the casing, an outlet for discharging heated air obliquely downward, said outlet being located in the front wall of the casing at a point relatively close to the floor line, a substantially horizontal partition spanning the casing close to the bottom thereof and spaced from the bottom of the casing enough to provide a conduit for air across the lower portion of the casing, a fan for drawing air into the cold air inlet, means for establishing communication between the rear end of said conduit and the rear compartment at a point adjacent the fan whereby cold and relatively dense air may travel directly from said fan across the casing and be discharged in a substantially horizontal path across the floor line and beneath the stream of hot air being discharged from the heated air outlet, the said conduit opening through the front wall of the casing at a point below the outlet for heated air.

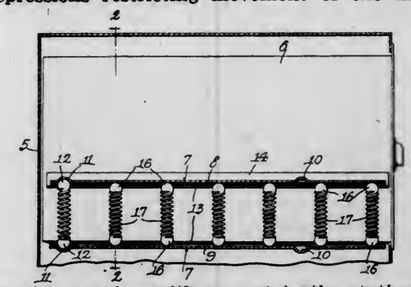
2,250,894
FLY TRAP AND KILLER
Ulric William Metter, Oxnard, Calif.
Application March 12, 1941, Serial No. 383,019
7 Claims. (Cl. 43—110)



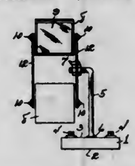
1. An insect trap and killer for actuation by a door, comprising a housing body having top and bottom walls, one wall being provided with inlet openings, a paddle member pivotally supported at one end in one side of the housing for swinging movement through the housing from the said one side toward and into engagement with an opposite side whereby to trap insects and crush the same between the paddle and the said opposite side of the housing, and means for coupling the said pivoted end of the paddle with the door to effect movement of the paddle through the housing on swinging of the door in one direction.

2,250,895
DRAWER SLIDE FOR CABINETS
Owen D. Premo, Muskegon Heights, Mich.
Application July 17, 1939, Serial No. 284,990
2 Claims. (Cl. 45—77)

1. A device of the class described, comprising an outer stationary channel bar having inwardly extended flanges formed along the longitudinal edges, longitudinally disposed grooves formed in the flanges, said grooves having depressions arranged in spaced relation with respect to each other, longitudinally of the grooves, an inner movable member operating within the stationary channel bar and having spaced flanges, said flanges having openings formed therein, balls mounted within the openings, springs arranged between the balls and normally urging the balls away from each other, said balls operating in the grooves of the flanges of the outer stationary channel member and adapted to move into the depressions restricting movement of the inner movable member with respect to the stationary channel bar.



2,250,896
FRONT VIEW MIRROR DEVICE
Delbert L. Stokesbary, Ferndale, Wash.
Application July 10, 1940, Serial No. 344,799
1 Claim. (Cl. 88—87)

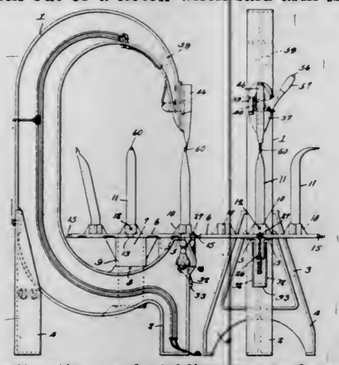


A front view mirror device for a motor vehicle, comprising an attaching bracket including a base made up of sheet material folded in U-form to provide a pair of jaw portions, one of said jaw portions having threaded openings therein, swivel headed screws threaded in the openings and having the heads thereof arranged between the jaw portions for cooperation with the other jaw portion for securing the bracket to the vehicle, said screws having tool receiving sockets in the outer ends thereof, an arm having one end adjustably secured to said base and the opposite end portion being bent at a right angle to the remaining portion, a mirror assembly including a pair of mirrors provided with casing frames, reflecting means within said frames, trunnions secured to the casing frames upon diametrically opposite sides thereof, link bars having openings therein and mounted on the trunnions for connecting the mirrors together for relative adjustment and cooperative association with each other, and one of the link bars being secured to the right angle bent portion of the arm for adjustment of the mirror assembly with respect to the bracket.

2,250,897
METAL SHEARING MACHINE
Axel E. Tangren, El Segundo, Calif.
Application December 22, 1939, Serial No. 310,615
5 Claims. (Cl. 164—56)

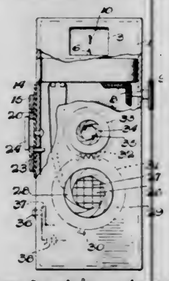
1. The combination with a frame having a shearing blade mounted for reciprocation, and a shelf, of a table mounted for rotation in the frame and overlying and slidably engaging the shelf, said table having peripheral notches, standards carried by the table and movable successively into position above the shelf, each of said standards constituting means for holding a shearing blade in position for cooperation with the reciprocating blade, and means for holding the table against movement relative to the frame, said means including an arm carried by the frame, means for raising and lowering the arm, coop-

erating means on the arm and frame for shifting the arm out of a notch when said arm is moved



in one direction, and yielding means for pressing the arm into a notch when the arm is moved in the opposite direction.

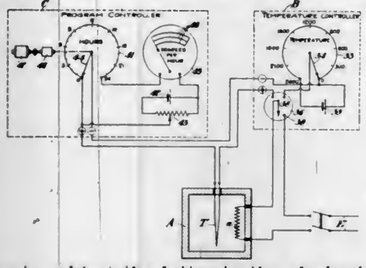
2,250,898
PHOTOGRAPHIC APPARATUS
Hans Ferdinand Tönnies, Hamburg-Grossflottbek, Germany
Application December 9, 1938, Serial No. 244,857
In Germany June 4, 1938
18 Claims. (Cl. 95—10)



1. In a camera having a view finder, a lens and adjustable exposure apparatus, a photoelectric system for setting the exposure apparatus in accordance with the existing scene brightness and values of preselected exposure factors; said photoelectric system comprising photosensitive means connected to a measuring instrument having a pivoted coil carrying a pointer, an indicator mark with which said pointer is to be alined, said pointer and mark being visible in the camera view finder, means including adjustable members carrying cooperating marks and graduations of exposure factors for setting said instrument and indicator mark in different angular relations in accordance with the selected values of the exposure factors, and means for adjusting the current flow to said instrument to set the instrument pointer in line with said mark, said current adjusting means having means for mechanically coupling the same to said adjustable exposure apparatus of the camera.

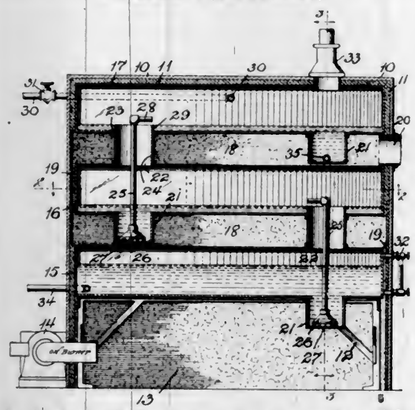
2,250,899
PROGRAM CONTROLLER
Andrew G. Young, Pittsburgh, Pa.
Application April 4, 1940, Serial No. 327,910
8 Claims. (Cl. 236—46)

1. In a control system of the character stated, a control device responsive to an E. M. F. to limit the operation of the system, means for generating an E. M. F. in response to the operation of the system, a potentiometric source of E. M. F. external to the control device, said generating means and external source being connected in series and in continuous circuit with the control



device to subject the latter to the algebraic sum of their E. M. F.'s, and means for varying the external source of E. M. F. by increasing or decreasing said E. M. F. to or from an amount equal to the limiting E. M. F. of the control device to define a rate of change of E. M. F. of the system by said control device.

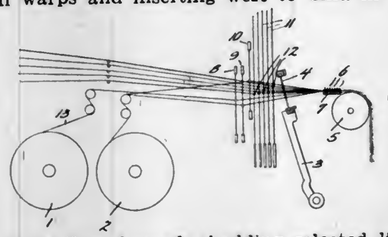
2,250,900
STEAM BOILER
Carl Z. Alexander, Springfield, N. J.
Application September 1, 1939, Serial No. 293,039
5 Claims. (Cl. 122—37)



1. A steam boiler comprising a series of horizontal sections arranged one above the other in spaced relation and provided with wells, and with steam openings comprising conduits above the wells connecting each section, the alternate sections being reversed relative to the others percolator tubes in the wells and extending through said steam openings to deliver to the next higher section, the conduits having projecting rims on their top edges for insuring the presence of water in the sections.

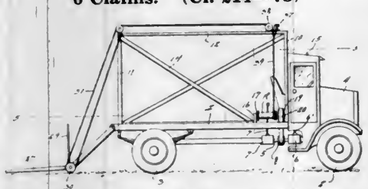
2,250,901
METHOD OF MAKING PILE FABRIC
Harold H. Baynton, Freehold, N. J., assignor to A. & M. Karagheusian, New York, N. Y., a corporation of Delaware
Original application March 8, 1940, Serial No. 323,013. Divided and this application August 27, 1940, Serial No. 354,445
1 Claim. (Cl. 139—37)

The method of weaving a patterned pile fabric on a loom of the Jacquard type which comprises halving the number of slits used on a standard reed and segregating into longitudinal courses thereby double the standard number of chain warps for forming the base and at least double the pile warps for forming the surface, drawing through each slit two types of pile forming warps, one of light weight and one of heavy weight, shedding the chain warps and inserting wefts both above and below the pile warps, shedding selected heavy weight pile warps according to pattern and inserting low non-cutting pile wires into the shed thus formed, lowering said selected heavy weight pile warps, again shedding the chain warps and inserting weft to bind in the



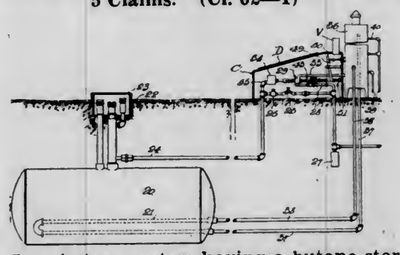
pile loops thus formed, shedding selected light pile warps according to pattern and inserting high cutting pile wires, lowering said selected light pile warps, again shedding the chain warps and inserting weft to bind in the light pile warps withdrawing the non-cutting and cutting pile wires of the pile loops after they are formed whereby both longitudinally and transversely of the fabric being woven low uncut pile and high cut pile areas are formed adjacent each other, and simultaneously with the forming of said cut pile areas leaving selected pile warps lowered into the base without shedding in accordance with a predetermined pattern whereby lines of pile voids are formed in the cut pile areas.

2,250,902
HAY RAKING LOADER
Logan E. Betzelberger, San Jose, Ill.
Application January 9, 1940, Serial No. 313,127
6 Claims. (Cl. 214—78)



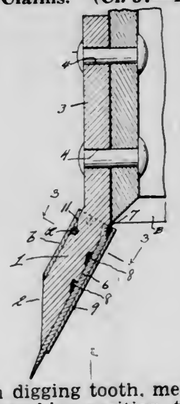
1. A hay rake and loader, comprising a wheel supported vehicle including a floor structure and a framework supported thereon, said framework facilitating the stacking of hay on the floor, a prime mover forming a part of the vehicle structure, a cable drum supported upon the vehicle, means for establishing a driving connection between the drum and the prime mover, a hay rake, a plurality of arms pivotally connecting the rake with the vehicle and facilitating moving the rake from a raking position adjacent the ground to a raised position with respect to the vehicle floor whereby hay may be dumped onto the floor within said frame structure, a pair of lifting cables each secured at one end to a fixed part of the frame and extending across pulleys carried by the hay rake and the frame structure to said winding drum to have the other ends thereof wound up on the drum for the lifting of said rake to said raised position, a slatted frame disposed flat upon the vehicle floor for sliding movement thereon, and means for connecting the frame with said drum to facilitate moving the frame over the floor.

2,250,903
BUTANE SYSTEM
James E. Browning, San Antonio, Tex.
Application December 13, 1939, Serial No. 309,081
5 Claims. (Cl. 62—1)



1. In a butane system having a butane storage tank provided with a heat exchanger, a water heating tank connected with said heat exchanger for circulating hot water therethrough, and heating means for said water tank; controlling means for said heating means including a thermostat subjected to the water temperature in said water tank and a pressurestat subjected to the pressure in said butane tank, said controlling means being normally under the control of said thermostat to maintain the water in said water tank at a predetermined normal temperature, said controlling means being abnormally under the control of said pressurestat to effect heating of the water in said water tank to an abnormally high temperature when the pressure in said butane tank drops to a predetermined low.

2,250,904
TOOTH FOR EARTH DIGGING DEVICES
Berttram Coffman, Downey, Calif.
Application September 26, 1940, Serial No. 358,536
3 Claims. (Cl. 37—142)

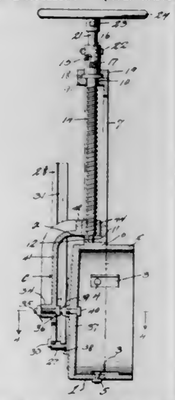


1. An earth digging tooth, means for securing said tooth in working position, the front face of the tooth being provided therealong with spaced depressions, a separable point blade disposed along the front face of the tooth and having a part fitting selectively within one of the depressions of the tooth, and a sleeve surrounding the tooth and the blade for holding the blade in applied position.

2,250,905
SPARK PLUG ELECTRODE
Hugh S. Cooper, New York, N. Y., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application January 30, 1940, Serial No. 316,447. In Great Britain March 14, 1939
5 Claims. (Cl. 123—169)

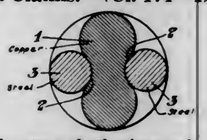
1. An electrode for spark plugs and the like comprising an alloy consisting of from 10 to 30 percent chromium, from 1 to 10 percent silicon, and the remainder substantially pure iron.

2,250,906
IRRIGATION GATE
Campbell Cramer, San Juan, Tex.
Application September 17, 1940, Serial No. 357,181
2 Claims. (Cl. 251—53)



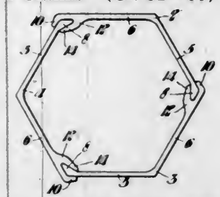
1. An irrigation gate comprising a frame, an upstanding column for the frame, means for detachably securing the column to the frame, a shutter for movement into open or closed position with respect to the frame, a cross arm, means for connecting the cross arm and shutter for unitary movement, side rails carried by the frame, said cross arm having a member interposed between and engaging the side rails, said cross arm having an outstanding post terminating above the top portion of the frame, a nut, means for detachably connecting said nut to the upper portion of the post, a stem rotatably supported by the column and upon which the nut threads, and means for rotating the stem.

2,250,907
COMPOSITE ELECTRIC CABLE
Irving W. Edwards, Detroit, Mich.
Application March 26, 1938, Serial No. 198,313
4 Claims. (Cl. 174—128)



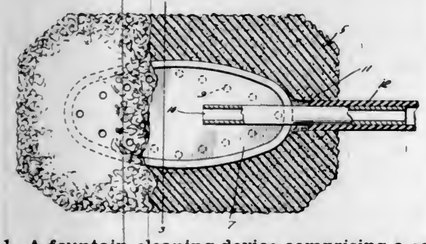
1. A flexible strand of wires adapted to be used under sufficient tension to cause its elongation and comprising a solid wire with its surface providing two diametric helical valleys, and helical wires laid in said valleys and radially supported by said solid wire, said two helical wires being made of metal having similar physical characteristics and said solid wire being made of metal having physical characteristics differing from those of the metal from which said two helical wires are made, one of said metals having a higher elastic limit than the other of said metals, the portion of said strand made of said metal of higher elastic limit being formed so as to recoil upon a decrease in tension on said strand and return the other portion of said strand to its normal position even though the other portion may have been stressed beyond its elastic limit by tension of said strand.

2,250,908
PILING SECTION
Gerald G. Greulich, Mount Lebanon, Pa.
Application December 18, 1939, Serial No. 309,889
1 Claim. (Cl. 61—60)



A hollow pile adapted for the reception of ballast, comprising three assembled sections which are V-shaped in cross-section, the legs of each of the said assembled sections being disposed at angles of approximately 120°, a tongue portion on one edge of each of said sections, each of said tongue portions being substantially triangular in cross-section with the apex of the triangle at the edge of the section and at an angle of approximately 120° to the major axis of that leg of the section on which it is carried, the other edge of each of said sections having a triangular groove corresponding in shape to the contour of the aforesaid tongue portion, the opening of each of said groove portions being constricted to resist the displacement therefrom of the base of the tongue portion which fits within the same.

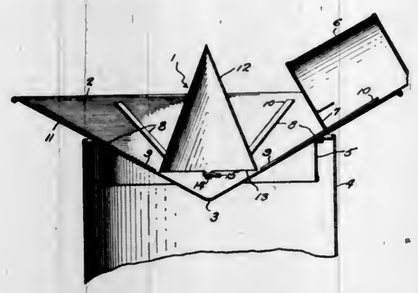
2,250,909
FOUNTAIN SPONGE
William E. Habeck, Clintonville, Wis.
Application October 22, 1940, Serial No. 362,274
2 Claims. (Cl. 15—130)



1. A fountain cleaning device comprising a soft porous head having a chamber therein, a rigid plate in the chamber forming an imperforate back wall for the chamber, discharge passages extending from the chamber through a wall of the head and a rigid liquid supply pipe extending through a wall of the head and terminating in the chamber flatwise of the plate to space the wall of the chamber having the discharge passages therein from the plate.

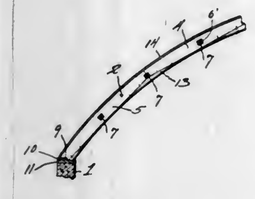
2,250,910
OIL DRAINAGE FUNNEL
Henry Lee Hiett, East Falls Church, Va.
Application July 30, 1940, Serial No. 348,574
5 Claims. (Cl. 221—69)

1. Can draining funnel comprising a receptacle including a surrounding downwardly convergent wall terminating in a discharge aperture, and spring fingers each secured adjacent its lower end to said wall and having its free portion ex-



tending at a small angle with respect thereto in an upward direction adapted to enter the aperture of a can and forming a clamp with the adjacent wall for holding said can in definite draining position.

2,250,911
FRAME ROOFING CONSTRUCTION
Harry R. Hoeckendorf, Big Spring, Tex., assignor of one-fourth to James Paul McHargue, Midland, Tex.
Application June 25, 1940, Serial No. 342,387
5 Claims. (Cl. 108—1)



1. An arched roof frame structure, comprising a plurality of spaced side by side bowed ribs, each of said ribs comprising a plurality of elongated rafter units in end abutting relation, and tie beams extending transversely of the bowed ribs to couple the same together, said rafter units having apertures formed transversely therethrough intermediate their ends and having notches formed in the abutting ends, through which apertures and notches said tie beams pass.

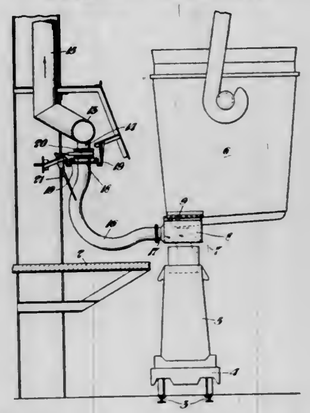
2,250,912
WELL DRILLING SYSTEM
Thomas B. Hudson, Bartlesville, Okla., and Wayne S. Gerber, Columbus, Ohio, assignors to Phillips Petroleum Company, a corporation of Delaware
Application October 9, 1939, Serial No. 298,700
7 Claims. (Cl. 255—4)

7. In combination with a well casing, a drilling apparatus comprising a rotary bit, a rotary hydraulic motor for operating the bit, a packing member for sealing off the space between the well casing and the motor, a weight member mounted on the packing member, a slidable connection between the motor and the weight member permitting vertical movement only of the motor with respect to the weight member, and a slidable connection between the packing member



and the well casing to prevent rotation of the well casing with respect to the packing member.

2,250,913
FUME EXHAUSTING APPARATUS FOR USE WITH INGOT MOLDS
Thomas E. Hughes, Duquesne, Pa.
Application July 27, 1939, Serial No. 286,911
2 Claims. (Cl. 22—73)

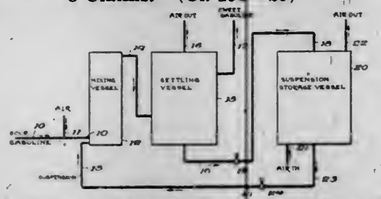


1. Apparatus of the class described including, in combination, an elongated hood member for collecting gases and fumes from a series of successively aligned ingot molds as they are being poured, means for removably attaching said hood to the bottom of the pouring ladle so as to be disposed around the pouring nozzle therein and extending downwardly therefrom directly over the molds, said hood member supported solely by said ladle and adapted to be spaced from the molds and being of such length as to be disposed over a plurality of ingot molds at one time, a flexible hose connection having one end thereof securely attached to said hood and communicating with the interior thereof, and movable means arranged along the series of successively aligned ingot molds which is adapted to support the opposite end of said flexible hose connection with said end adapted to be removably attached to any one of a series of connections arranged along said movable means for conveying the gases and fumes from in under said hood.

2,250,914
PROCESS FOR MAKING WOOLLY FABRICS OF STAPLE FIBER
Ernst Jacobsberg, Aachen, Germany
No Drawing. Application May 20, 1937, Serial No. 143,852. In Germany November 30, 1936
2 Claims. (Cl. 28—1)

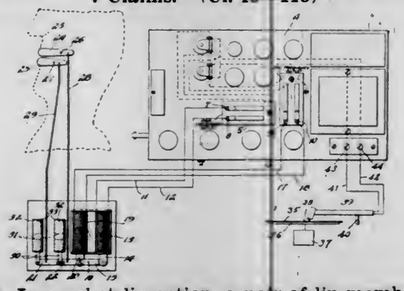
1. A method for giving a woolly character, touch and appearance to a textile fabric containing a high percentage of artificial staple fiber, consisting in spinning the fibers in a highly greased condition, in converting the spun fibers into a woven fabric, and maintaining the fibers during such spinning and conversion in substantially an unstretched condition.

2,250,915
PROCESS FOR SWEETENING SOUR HYDROCARBON OILS
Eric Kolthoff and Arthur E. Catanach, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 29, 1940, Serial No. 337,756
8 Claims. (Cl. 196—29)



1. A process of sweetening sour hydrocarbon oils which comprises contacting a sour hydrocarbon oil with a suspension of ferric hydroxide and lead sulfide in caustic alkali solution.

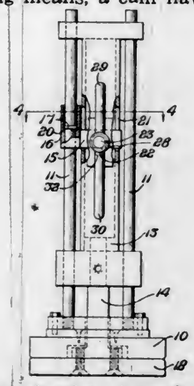
2,250,916
ROBOT LIP ACTION
Gilbert A. Magruder, Grand Rapids, Mich., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application February 28, 1938, Serial No. 193,219
7 Claims. (Cl. 46—118)



1. In a robot lip action, a pair of lip members, and means connected independently thereto for separately operating the lip members to move alone and together and thus simulate the lip action of a person.

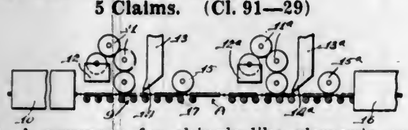
2,250,917
FORM LIFTER FOR BOX WRAPPING MECHANISM
Ernest G. Rider, Philadelphia, Pa., assignor to Stokes and Smith Company, Summerdale, Pa., a corporation of Pennsylvania
Application April 13, 1940, Serial No. 329,487
3 Claims. (Cl. 93—54.2)

1. In a mechanism for applying wrappers to boxes, the combination of an upper forming block, operating means for said block, a main forming block, a laterally disposed bar fixed to said operating means, a cam having a flattened



surface arranged, when turned, to engage and lift said bar to elevate and temporarily lock said upper block from said main block, and means to actuate said cam.

2,250,918
COATING APPARATUS FOR RIGID BUILDING ELEMENTS
Carlisle K. Roos, Wheaton, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Original application August 31, 1938, Serial No. 227,614. Divided and this application August 10, 1940, Serial No. 352,053
5 Claims. (Cl. 91—29)

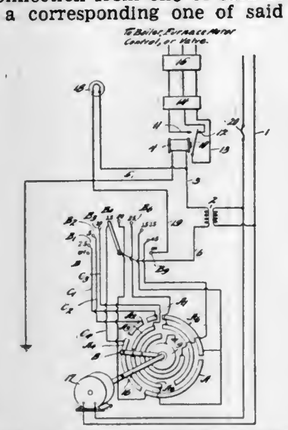


1. A conveyor for shingle-like elements comprising drag links, adjacent links being connected for transverse rotation and comprising two relatively slidable interengaging members adapted to engage and retain a shingle-like element therebetween whereby each link may be rotated to position either side of a shingle in substantially the same plane, and means adjacent said conveyor to adhesively apply cushioning material to predetermined areas of consecutive elements.

2,250,919
AUTOMATIC CONTROL FOR HEATING SYSTEMS
James B. Skelly, Baltimore, Md.
Application February 1, 1940, Serial No. 316,861
1 Claim. (Cl. 161—1)

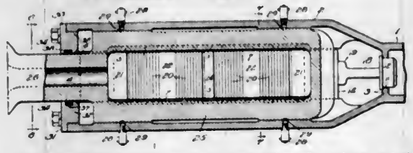
For use with a control circuit, a control for varying proportions of a given period of time when said circuit is active and inactive, said controller comprising a continuously driven clock-actuated shaft, a radial contact arm mounted to rotate with said shaft and having a plurality of spaced contact means thereon, a plurality of arcuate segmental contact members mounted concentrically around said shaft, said contact members being of varying lengths corresponding to varying increments of time, some of said contact members being displaced radially with respect to other of said contact members, a manually operated selector switch having a movable selector

arm and a plurality of stationary selector contacts adapted to be engaged by said selector arm, a single connection from one of said connecting means to a corresponding one of said selector



contacts and other connections from other of said arcuate contact members to other of said selector contacts, and a switch operating solenoid in series with said selector arm, and one of said selector contacts.

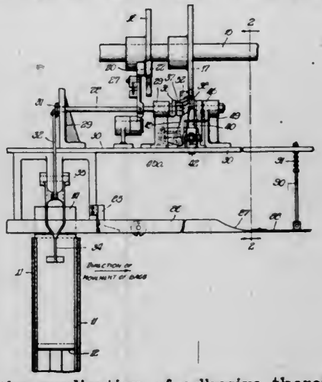
2,250,920
DRAFT GEAR
Herbert E. Van Dorn, Chicago, Ill., assignor to The Dornvan Corporation, a corporation of Illinois
Application July 19, 1939, Serial No. 285,257
11 Claims. (Cl. 213—64)



1. In combination, a car coupler having at the rear end a rearwardly-opening housing, a drawbar having a yoke including parallel longitudinal members extending into the housing from the rear, the housing and said longitudinal members of the yoke having complementary bearing faces in the form of surfaces of revolution about the longitudinal axis of the housing, a spring cushion unit embraced by the yoke but standing clear from the longitudinal members of the latter, stops in the housing at the ends of the spring units, and a closure for the rear end of the housing extending around the drawbar.

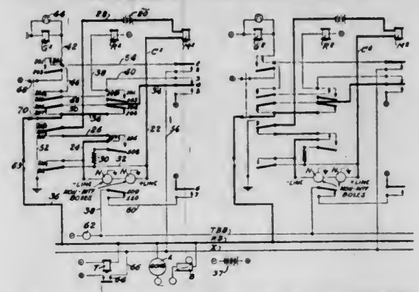
2,250,921
APPARATUS FOR CLOSING AND SEALING FILLED BAGS
Douglas R. Warren, Joliet, Ill., assignor to Franklin Steel Works, Joliet, Ill., a corporation of Maine
Application January 12, 1940, Serial No. 313,474
14 Claims. (Cl. 93—6)

1. In a packaging machine, means for moving a plurality of bags in a definite path, means for spraying adhesive onto the folded upper portion of each bag while the bag is moving, means controlling the starting and stopping of said spraying means, a member extending along the path of movement of said bags from a position in advance of said spraying means to a point beyond the said means for maintaining the folded upper portion of each bag properly positioned



during the application of adhesive thereto, and said member including a pressure plate for pressing the folded upper portion into contact with the top of its bag so as to seal the same.

2,250,922
SIGNALING SYSTEM
Foster E. Weld, Newton, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts
Application May 5, 1939, Serial No. 271,925
14 Claims. (Cl. 177—354)

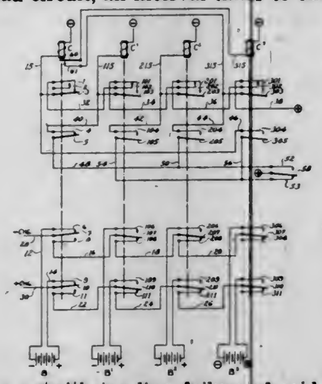


1. A signaling system having in combination a plurality of normally closed signaling circuits each having a normally energized main line relay, repeater means for the several circuits, a grounding relay for each signaling circuit to condition the circuit for emergency ground signaling, timing means acting upon deenergization of a main line relay for a predetermined time to operate the grounding relay of the corresponding circuit, and lockout means operated by the timing means to isolate said circuit from the repeater means during continued deenergization of the main line relay.

2,250,923
ELECTRICAL CONTROL SYSTEM
Foster E. Weld, Newton, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts
Application January 2, 1940, Serial No. 311,983
14 Claims. (Cl. 171—97)

8. An electrical transfer system comprising a common circuit and a plurality of load circuits, means including a set of stepping relays for transferring connections from the common circuit to the load circuits in sequence, means re-

sponsive to load circuit conditions for disconnecting a load circuit from the common circuit and for operating the stepping relays to transfer the connection of the common circuit to the next load circuit, an interval timer to effect such



transfer notwithstanding failure of said responsive means to operate within a predetermined time, a full-cycle timer, and an idling relay constituting one of the set of stepping relays to accumulate idle time at the end of the full cycle.

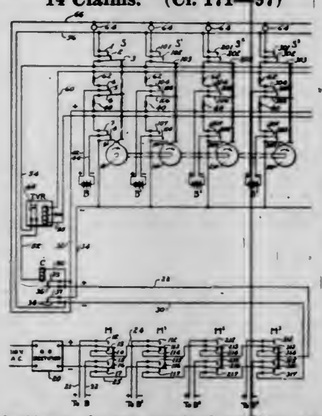
2,250,924

ELECTRICAL CONTROL SYSTEM

Foster E. Weld, Newton, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts

Application January 2, 1940, Serial No. 311,984

14 Claims. (Cl. 171—97)



3. A battery charge control system comprising a charging circuit, a plurality of individual battery circuits, an automatic switching device associated with each battery circuit, time controlled means for operating the automatic switching devices in sequence, a voltage responsive relay, each automatic switching device having contacts to connect its corresponding battery circuit with the charging circuit and contacts to connect its battery circuit to the voltage responsive relay, cut-off means operated by the voltage responsive relay to disconnect the circuit of a battery undergoing charge from the charging circuit, each automatic switching device having provision for disconnecting its battery circuit from the charging circuit and from the voltage responsive relay prior to operation of the next succeeding switching device, and a manually controlled switching device for each battery circuit to render the automatic devices ineffective and to connect its corresponding battery circuit with the charging circuit.

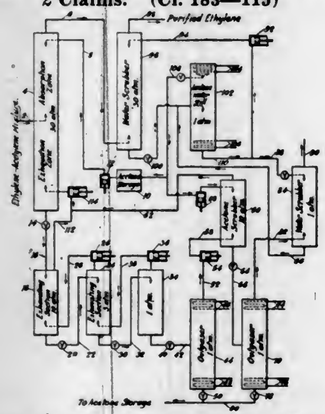
2,250,925

PROCESS FOR THE SEPARATION OF ACETYLENE FROM ADMIXTURE WITH ETHYLENE

Dale F. Babcock, Elmhurst, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 10, 1938, Serial No. 212,907

2 Claims. (Cl. 183—115)



1. A process for the separation of acetylene from admixture with ethylene which comprises bringing said gaseous mixture into contact with a solvent having a higher solvent power for acetylene than for ethylene and recovering ethylene freed of acetylene as a gas, reducing the pressure on the resulting solution in at least two steps and bringing the gas evolved in each step of pressure reduction into contact with the solution under the preceding elevated pressure, said process being further characterized in that the solvent is saturated with ethylene and the heat of solution removed prior to contacting same with the gaseous mixture.

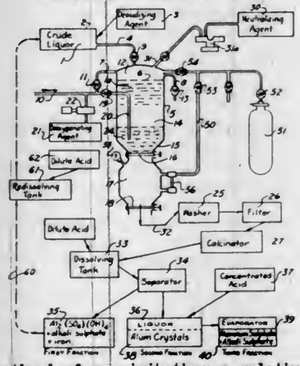
2,250,926

PROCESS FOR RECOVERING ALUMINUM COMPOUNDS

Louis F. Clark, Montebello, Calif., assignor to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware

Application October 20, 1937, Serial No. 170,029

6 Claims. (Cl. 23—123)



1. A method of precipitating a relatively pure basic sulphate of aluminum from a solution which comprises confining a solution of aluminum sulphate in a closed space, injecting steam and a reducing agent into said solution to subject the solution to heat and pressure whereby a basic salt will be caused to precipitate therefrom, isolating the precipitated salt from the main body of the solution, and injecting a neutralizing agent into said main body of solution while maintaining the same in heated condition to cause a further precipitation of salt therefrom.

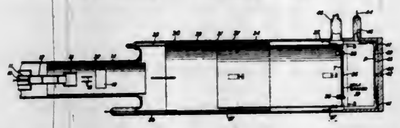
2,250,927

ELECTRON DISCHARGE DEVICE

Clinton J. Davisson, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 2, 1939, Serial No. 271,295

4 Claims. (Cl. 250—153)



1. A television camera tube comprising means for generating a beam of electrons, a photoemissive screen, a continuous plate of insulating material having a multiplicity of metallic conductors therethrough, each of said conductors being separated from adjacent conductors solely by insulating material, said plate being placed between said screen and said beam generating means, means for subjecting said screen to radiations to cause emission of electrons from said screen to the ends of the conductors in said plate near said screen, and means for causing said beam of electrons to repeatedly scan the ends of said metallic conductors remote from said screen, said photoemissive screen and said insulating plate being substantially parallel to each other and separated by a distance of from one to ten thousandths of an inch.

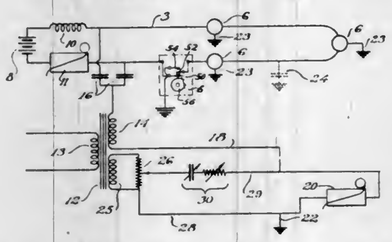
2,250,928

SIGNALING SYSTEM

Arthur C. Donovan, Jr., Brookline, Mass., assignor to The Gamewell Company, Newton Upper Falls, Mass., a corporation of Massachusetts

Application May 5, 1939, Serial No. 271,881

8 Claims. (Cl. 177—367)



1. In a signaling system comprising a conductor forming a normally closed loop, means for energizing the loop by direct current, an alternating current source connected between said conductor and ground, signal formulating devices in the loop and having provision for signaling through ground, a manifesting device for signals transmitted through ground, the loop having admittance to ground whereby current flows through the ground circuit under normal conditions, and means for substantially preventing passage of current through the manifesting device under normal conditions.

2,250,929

MANUFACTURE OF IMPROVED FILAMENTS, THREADS, FOILS, OR SHEETS OF CELLULOSE ESTERS OR ETHERS

John Gwynant Evans and Arnold Shepherdson, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application March 28, 1938, Serial No. 198,583. In Great Britain March 31, 1937

13 Claims. (Cl. 18—54)

1. The process of imparting water-repellency and softness characteristics to cellulosic shaped material of the class formed by extrusion molding from cellulosic raw material of the group consisting of cellulose esters and cellulose ethers, which comprises incorporating into a solution of said raw material, in an organic solvent, a quaternary ammonium compound of the general formula R—X—CH_2—N(tert)—Y, wherein R is a long-chain aliphatic radical selected from the group consisting of aliphatic hydrocarbon radicals and aliphatic hydrocarbon acyl radicals having not less than 12 carbon atoms, X is a carbon-to-carbon linking member selected from the group consisting of oxygen, sulfur and the imino radicals, N(tert) represents the molecule of a tertiary organic base, while Y is the anion of a water-soluble acid; then subjecting said solution to extrusion and setting to form shaped material, and finally subjecting said formed material to heat treatment in the absence of moisture at a temperature not less than 70° C.

2,250,930

TREATMENT OF WOOL AND SILK

John Gwynant Evans and Charles Edward Salkeld, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application April 6, 1938, Serial No. 200,429

7 Claims. (Cl. 8—128)

1. The process of treating textile material of animal origin, whereby to impart thereto water repellent surface characteristics, which comprises impregnating the same with an aliphatic acyl-amino-methylene pyridinium halide in which the aliphatic acyl radical contains at least twelve carbon atoms, and heating the impregnated material in the absence of moisture for a period of time sufficient to effect decomposition of the pyridinium compound with liberation of the free base.

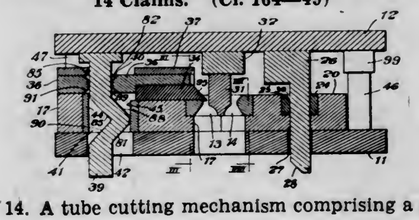
2,250,931

APPARATUS FOR CUTTING METAL TUBES

Fred Grieder, Detroit, Mich.

Application March 1, 1940, Serial No. 321,613

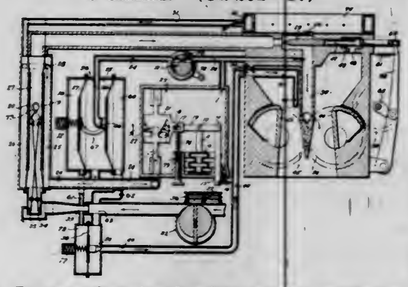
14 Claims. (Cl. 164—49)



14. A tube cutting mechanism comprising a set

of dies for holding a tube to be cut, each of said dies having one plane surface, a groove in each of said dies traversing said plane surface and conforming to the shape of the tube to be cut, means for slidably supporting one of said dies, means for sliding said die away from the other of said dies thereby enlarging the opening between said dies formed by said grooves, means for closing said dies upon a tube to be cut at the point of cutting, and two punches operating at angles to each other, means for guiding one of said punches against said tube to strike a glancing blow thereon whereby a hole is cut in said tube, and means for guiding the other of said punches into said hole and completely through said tube, thereby cutting the tube into two pieces.

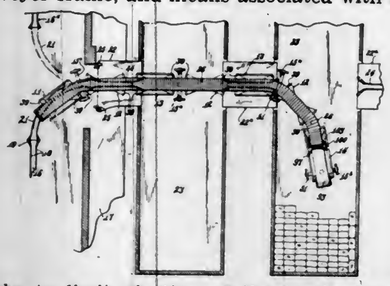
2,250,932
FUEL CONTROL
Milton J. Kittler, Detroit, Mich., assignor to George M. Holley and Earl Holley
Application March 3, 1939, Serial No. 259,596
6 Claims. (Cl. 261—37)



1. In a carburetor having an air entrance, an air throttling means, adapted to form a variable Venturi passage, an air vented fuel nozzle discharging into the throat of said variable venturi, said nozzle having a restricted communication with the air entrance and a relatively unrestricted fuel and air outlet into the throat of said variable venturi, a fuel supply for said carburetor comprising a fuel pump adapted to supply fuel at a substantially constant pressure above the atmospheric pressure, a low pressure fuel supply chamber communicating with said pressure fuel supply, pressure reducing mechanism in said chamber, an air chamber associated with said fuel chamber adapted to control the pressure in said fuel supply chamber, and communicating with the air entrance of the carburetor through a restriction, a second air passage connecting said air chamber with said nozzle, a variable restriction in said passage, barometric means responsive to the absolute pressure in the air vented nozzle adapted to vary said variable restriction whereby the pressure in said air chamber associated with said fuel chamber is decreased as the absolute pressure in said nozzle decreases and is increased as the absolute pressure therein increases.

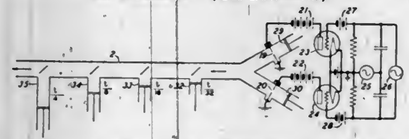
2,250,933
LOADING CONVEYER
George Manierre, Milwaukee, Wis.
Application February 13, 1939, Serial No. 256,038
15 Claims. (Cl. 198—92)

1. In a machine of the character described, in combination, a plurality of sections pivotally connected end to end providing an elongated flexible conveyer frame, trucks supporting said sections, said trucks being pivotally mounted between said sections one in axial alignment with each pivotal connection and one at each end of said conveyer frame, and means associated with said



trucks to limit pivoting of the trucks to one-half of the pivotal movement of the adjacent sections.

2,250,934
SYSTEM AND METHOD FOR PRODUCTION OF ELECTROMAGNETIC WAVES
Russell S. Ohl, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 14, 1939, Serial No. 279,063
11 Claims. (Cl. 178—44)



1. In combination, an electric discharge gap, a source of periodic electromotive force connected in circuit therewith of sufficient peak electromotive force to exceed the breakdown potential of the gap, the gap having electrodes to serve as radiating elements and constituting a source of discrete electromagnetic wave trains, and a reflector associated with the gap and spaced therefrom a distance substantially equal to that over which a wave train may be propagated during a quarter of the period between successive discharges across the gap.

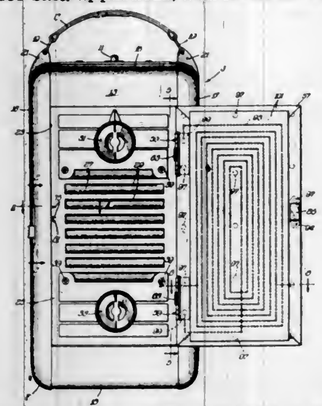
2,250,935
SAFETY BLASTING EXPLOSIVE
Robert David John Owens, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 9, 1938, Serial No. 223,945. In Great Britain August 17, 1937
8 Claims. (Cl. 102—6)

1. An explosive cartridge adapted for use in gassy mines, said cartridge comprising an explosive charge within a paper container, and a coherent, self-supporting sheath wrapped about said container, said sheath comprising a cooling salt and bitumen and being free from oxidizing agents, said cooling salt being present in substantially greater amount than the bitumen.

2,250,936
RADIO RECEIVER
William J. Schnell, Berwyn, Ill., assignor to Electrical Research Laboratories, Inc., Evanston, Ill., a corporation of Illinois
Application March 8, 1941, Serial No. 382,379
12 Claims. (Cl. 250—14)

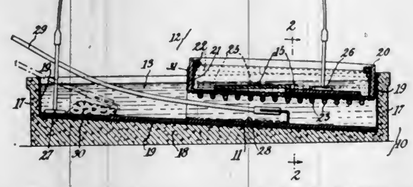
5. A radio receiver comprising a casing, receiving apparatus mounted in the casing and having

control elements exposed outwardly thereof, a cover movably mounted on the casing, a control switch for said apparatus, and latch means actu-



ated by said control switch, said latch means normally securing the cover in position enclosing the control elements and being operable, upon actuation of said switch, to release said cover.

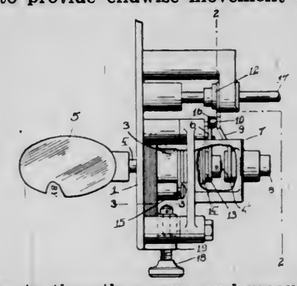
2,250,937
ELECTROLYTIC CELL
John Christian Thompson, Port Reading, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application April 16, 1937, Serial No. 137,157
4 Claims. (Cl. 204—252)



1. In an electrolytic cell, a tank having side walls and a substantially evenly sloping bottom, a plurality of smooth surfaced supporting rods disposed in spaced relation across the tank adjacent one end thereof with their opposite ends supported directly by the longitudinal side walls of the tank at points beneath the normal level of electrolyte in said tank, said rods lying in a plane which is parallel to the bottom and being wholly submerged in electrolyte in said tank; a cathode plate extending over said bottom; an anode compartment consisting of a single frame having an open top and a woven fabric bottom, said compartment being removably supported in said tank by having its bottom resting upon said rods; and an anode plate disposed in said compartment and supported by said rods.

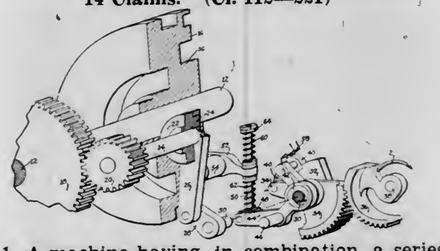
2,250,938
OSCILLATING MIRROR MECHANISM FOR MOTION PICTURE MACHINES
Carl M. Weber, Rochester, N. Y.
Application February 19, 1940, Serial No. 319,668
6 Claims. (Cl. 74—96)

1. In a mirror oscillating mechanism for motion picture projectors the combination of an oscillating shaft, a mirror adapted to be oscillated by said oscillating shaft, a rocking shaft arranged axially parallel and spaced endwise to said oscillating shaft, an arm carried by each of said shafts, a sliding connection between said arms to provide endwise movement of one arm



relative to the other arm, and means for shifting the center of rotation of one of said shafts relative to the center of rotation of the other of said shafts to vary the sliding connection between said arms and change the angular movement of said oscillating shaft relative to that of said rocking shaft thru the connection between said arms.

2,250,939
SHOE SEWING MACHINE
Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 22, 1939, Serial No. 269,433
14 Claims. (Cl. 112—221)



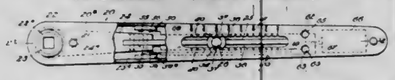
1. A machine having, in combination, a series of devices operating in timed relation and in regularly recurring cycles to perform an operation repeatedly, as for instance the stitch-forming devices of a shoe sewing machine, a continuously rotating shaft making a plurality of revolutions during each cycle, connections from the shaft to one of said devices for actuating the device, and means acting during less than the entire number of revolutions per cycle imparted to said continuously rotating shaft to render said connections operative to actuate the device during less than said entire number of revolutions and to render the connections inoperative to actuate the device during the remainder of said entire number of revolutions.

2,250,940
ART OF WELDING
Erwin A. Zahn, Guilderland Center, and James R. Patterson, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application May 26, 1939, Serial No. 275,912
7 Claims. (Cl. 219—10)

1. In the art of welding, the steps of coating

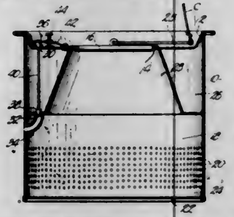
the surfaces of the parts to be welded with a heat hardenable synthetic resin-oil varnish composition containing as the synthetic resin component one or more resins selected from the class consisting of phenolic resins and alkyd resins and welding said parts.

2,250,941
TORQUE MEASURING WRENCH
Herman W. Zimmerman, Highland Park, Ill., assignor, by mesne assignments, to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois
Application May 21, 1938, Serial No. 209,274
28 Claims. (Cl. 177—311)



1. A torque indicating wrench comprising a member to which pressure is directly applied, another member adapted to be engaged with the work and rockably connected to said first member, a spring bar adapted to yieldably oppose relative rock movement between said members, electrical signal means operable upon a predetermined amount of relative rock movement of said members for signaling the application of a predetermined pressure to the work, and means engaging opposite sides of said spring bar and being adjustable relative to said spring bar to vary the force that must be applied to the wrench to effect actuation of said signal means.

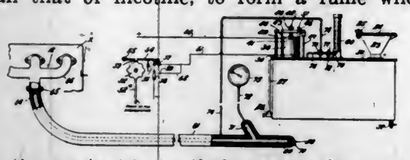
2,250,942
MINNOW BUCKET
Willard V. Allin, Kansas City, Mo.
Application February 19, 1940, Serial No. 319,715
6 Claims. (Cl. 43—56)



3. A minnow bucket comprising a container having a minnow compartment, an annular air compartment at the upper portion of said container having a top port and a bottom port communicating with the outside of said container, and a closure for said top port whereby air is normally maintained in the air compartment to float the bucket and which is removable to open the top port to release the air and permit the bucket to sink.

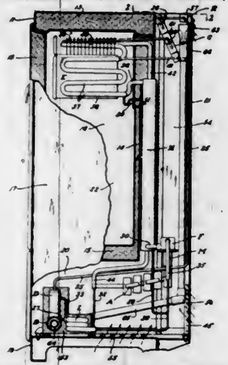
2,250,943
METHOD OF FUMIGATING
Robert B. Arnold, Stonewall Courts, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky., a corporation of Delaware
Original application January 21, 1937, Serial No. 121,447. Divided and this application July 22, 1939, Serial No. 285,882
7 Claims. (Cl. 21—58)

1. The method of fumigating with a nicotine fumigating composition, which comprises heating, to a temperature above the boiling point of nicotine, a substantially water-free composition consisting principally of nicotine and containing a liquid hydrocarbon having a boiling point lower than that of nicotine, to form a fume whose



nicotine content is mostly in gaseous form, diluting the said fume with exhaust gases while still maintaining the temperature of the mixture above the boiling point of nicotine, and utilizing the diluted mixture as a fumigant.

2,250,944
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,194
21 Claims. (Cl. 62—119.5)



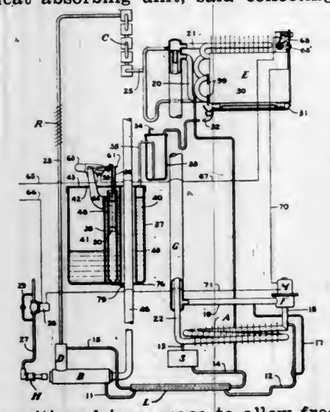
1. Refrigerating apparatus comprising a cabinet, means forming a cooling air duct with one wall of said cabinet, a condenser positioned in said air duct and extending substantially to the top wall of said cabinet, a rectifier mounted in the top rear portion of said air duct and connected to said condenser, means for supplying refrigerant vapor to said rectifier, an evaporator in said cabinet, and means for conveying refrigerant liquid from said condenser to said evaporator.

8. That improvement in the art of refrigeration which includes the step of burning fuel in heat exchange relationship to a solution of refrigerant in a absorbent to liberate refrigerant vapor therefrom, directing the waste products of combustion of the fuel and a cooling medium into heat transfer relation with the liberated vapor to condense absorbent vapors from said refrigerant vapor, liquifying the purified refrigerant vapor in heat exchange relationship with cooling air, and evaporating the liquid to produce refrigeration.

2,250,945
REFRIGERATION
George A. Brace, Winnetka, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 21, 1938, Serial No. 236,274
23 Claims. (Cl. 62—5)

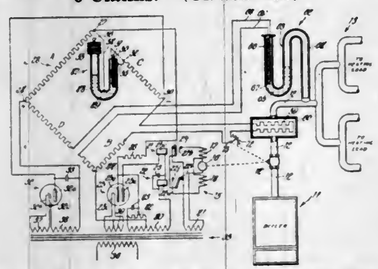
1. A refrigerating apparatus comprising a heat

absorbing unit, means for supplying a heat absorbing medium to said heat absorbing unit, means for collecting drip water discharged from said heat absorbing unit, said collecting means



being positioned in a space to allow free evaporation of the collected drippings, and means utilizing the accumulation and evaporation of the drip water for controlling said medium supply means.

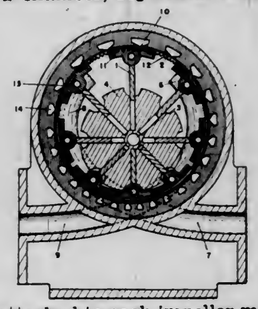
2,250,946
HEAT AND PRESSURE CONTROL SYSTEM
Kenneth C. Brown, Evanston, and Fredric J. Weyher, Chicago, Ill.; said Weyher assignor to said Brown
Application August 6, 1938, Serial No. 223,532
6 Claims. (Cl. 236—92)



1. In a control apparatus for a closed hot water heating system including a boiler from which heating fluid is supplied to a building, the combination of a bridge network provided with elements having resistances responsive respectively to the heating fluid pressure at the heated space and to the temperature at which heat is supplied from said boiler, electron discharge means provided with an input circuit responsive to change in potential of said network and with an output circuit, means for varying the amount of heat supplied to said building, and means responsive to the current of said electron discharge device output circuit for controlling the operation of said heat varying means.

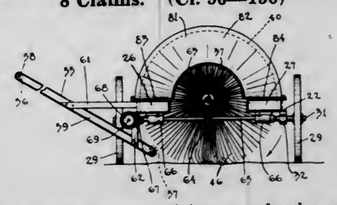
2,250,947
PUMP
Albert Guy Carpenter, Jr., Yonkers, N. Y.
Application June 17, 1938, Serial No. 214,207
7 Claims. (Cl. 103—118)

1. In combination a pump comprising a casing having a chamber with inlet and outlet, a shaft mounted within said chamber eccentrically thereof, a spacing block supported for rotation on said shaft, impellers rotatably mounted in the same plane and sliding in slots within said spacing block in such a way that the rotation of the impellers causes a progressively periodic variation in their extension in the slots of the spacing block and a variation in their peripheral spacing creating a displacement therebetween within said chamber, segmental induction rotor



windings attached to each impeller member, flexible means on the windings on adjacent impeller members electrically connecting said windings together, and an electro-magnetic field surrounding the impellers and adapted to drive and control the same, said field having the same center as the casing but having poles, the spacing or pitch of which poles varies progressively about the field to correspond with the spacing and motion of the impellers at their periphery.

2,250,948
HARVESTER
Jonathan Garst, Palo Alto, Calif.
Application September 18, 1939, Serial No. 295,362
8 Claims. (Cl. 56—156)

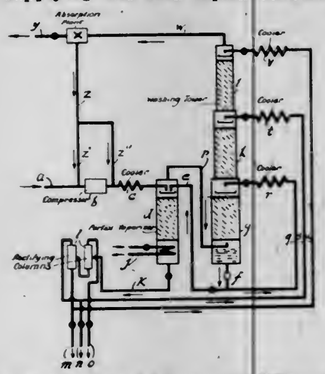


1. A harvester comprising a wheel supported frame adapted to travel along a row of plants, a revoluble member carried by said frame and a plurality of thin flexible normally limp whip lashes formed of fabric impregnated with rubber and projecting outwardly therefrom, means for driving said revoluble member at a speed to hold said whip lashes in outwardly extending positions, means for supporting said frame at an elevation to cause the ends of the lashes to strike the plants and when engaging the appendages thereof flicking off the same and flexing upon contacting the body portions of the plants to prevent injury thereto.

2,250,949
PROCESS FOR THE SEPARATION OF HYDROCARBONS FROM GASES CONTAINING THEM
Richard Gerlach, Leuna, Germany, assignor, by mesne assignments, to William E. Currie, New York, N. Y.
Application December 10, 1937, Serial No. 179,037
In Germany December 12, 1936
9 Claims. (Cl. 62—175.5)

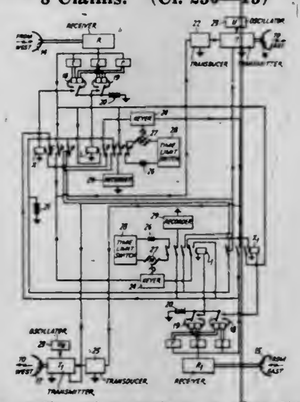
1. A method of separating hydrocarbons from

gases containing permanent gases in addition to the hydrocarbons which comprises compressing and cooling the mixed gases, separating the condensate thus formed into a plurality of liquid constituents of different boiling points, introducing the uncondensed gases into the lower portion of a washing tower composed of superposed parts, supplying the said liquid constituents as



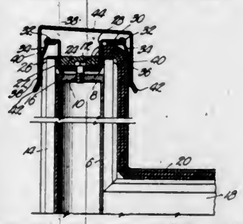
washing agents to said tower at different points throughout its height, the liquid having the highest boiling point being supplied at the top and successively lower boiling point liquids being supplied at successively lower levels, withdrawing the resulting mixture of washing agents and absorbed constituents from the bottom of the tower.

2,250,950
RELAY SYSTEM MONITORING
Alfred N. Goldsmith, New York, N. Y.
Application December 9, 1939, Serial No. 308,388
8 Claims. (Cl. 250—15)



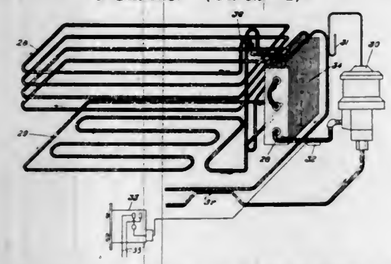
1. In a radio relay system, a plurality of stations, radio links for establishing communication from station to station, means including low power apparatus responsive to a start signal from a manned station for setting up a predetermined operating condition at an un-manned station, selective means for causing signals received at said un-manned station to be relayed forward to another station, means at the last mentioned station for causing at least some of the signals received thereat to be reverted, and means operable in response to reverted signals received at said un-manned station from said other station for relaying said reverted signals back to said manned station.

2,250,951
COPING
Emile S. Guignon, Jr., Kansas City, Mo.
Application February 5, 1940, Serial No. 317,394
7 Claims. (Cl. 72—86)



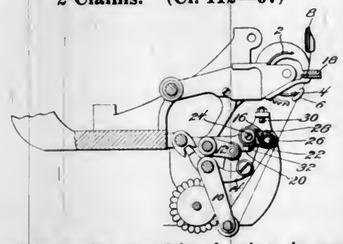
1. In a building structure of the character described having a plurality of vertically spaced apart tubes and blocks provided with grooves along each edge thereof for receiving the tubes; a coping comprising an inverted U-shaped member embracing the upper edge of the building structure wall; an anchor clip carried by the upper end of each vertical tube; and detents on the U-shaped member for gripping said clip to hold the said member in place.

2,250,952
COOLER WITH WET AND DRY STORAGE
Robert H. Guyton and Laurence H. Herman, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application February 27, 1939, Serial No. 258,651
9 Claims. (Cl. 62—4)



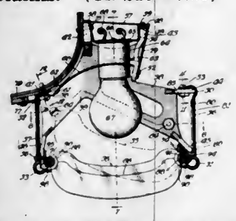
1. A cooler comprising a main cabinet, a dry cooling compartment and a wet refrigerating compartment in the cabinet, a separate closure for each compartment, a portion of the wall of the wet cooling compartment also forming a partition between the wet and dry compartments, a refrigerating system including a compressor, a motor therefor, an expansion valve and a coil surrounding and below the wet compartment, a portion of said refrigerating coil positioned in the dry compartment, and control means in the dry compartment for regulating the operation of the cooling coil with respect to both compartments, said control means comprising pressure bulbs, one of said pressure bulbs connected to the expansion valve and the other of said bulbs connected to the motor of the refrigerating system, the control bulb for the motor positioned on the refrigerating coil adjacent the outlet of the expansion valve, and the control bulb for the expansion valve positioned on the coil at a point between its contact with the walls of the wet refrigerated compartment and a suction line by which the refrigerant returns to the compressor; and a soldered connection between the liquid line and suction line of the refrigerator.

2,250,953
SHOE SEWING MACHINE
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 26, 1939, Serial No. 275,942
2 Claims. (Cl. 112—57)



1. A shoe sewing machine having, in combination, a main frame, a fixed stop on the frame, stitch forming devices including a hook needle and a needle looper, a take-up, a thread measuring member, a thread lock against which each stitch is set, and a spring actuated auxiliary take-up in the form of a pivoted arm of synthetic resin material having a projecting lug at one side arranged for movement by the tension on the thread during operation of the looper to lay thread in the hook of the needle to a position spaced from the fixed stop on the frame, during operation of the take-up to set the stitch to a position with the lug against said fixed stop at the instant the stitch is being set and when the thread lock is opened to a position again spaced from said fixed stop to take up the thread drawn off from the supply by the thread measuring device, the lug being shaped when composed of said resin material to absorb a substantial proportion of the impact produced by the tension on the thread and to damp out any rebound as the stitch is being set.

2,250,954
CONTINUOUS LIGHTING FIXTURE
Andrew T. Hagerty and Lemuel L. Stewart, Elkhart, Ind., assignors to The Adlake Company, a corporation of Illinois
Application December 31, 1937, Serial No. 182,858
7 Claims. (Cl. 240—7.35)



7. In a railway car having a passenger compartment, an upper deck, and a clerestory, the combination of a continuous light fixture comprising a lighting trough having front and rear sides and a bottom through each of which rays of light may pass, means for securing said trough to the upper portion of said car to extend longitudinally thereof along the juncture of said deck and clerestory, sources of light, means above said trough for suspending said sources of light within said trough, a plate extending longitudinally of said trough above the same and extending downwardly in a plane outwardly from said front side to conceal said means and to form with said front side an opening through which rays of light may pass for lighting said clerestory by direct illumination.

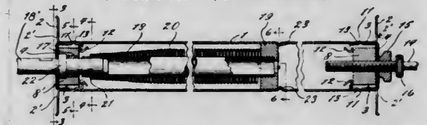
2,250,955
METHOD OF PREPARING METALLIC PIGMENT PASTES
Clarence P. Harris, New York, N. Y., assignor, by mesne assignments, to United States Metal Powders, Inc., Baltimore, Md., a corporation of Maryland
No Drawing. Application February 19, 1937, Serial No. 126,638. Renewed January 10, 1940
6 Claims. (Cl. 106—290)

1. Metallic pigment paste consisting of a paste formed of metallic powder mixed with a solvent consisting of ethyl butyrate for vehicles used in protective coatings and a stabilizing agent for reacting with acids formed by the decomposition of the solvent by the powder to liberate a fatty acid having no appreciable deleterious effect on the paste, said stabilizing agent consisting of an alkali metal salt of a fatty acid.

2,250,956
METALLIC PIGMENT
Clarence P. Harris, New York, N. Y., assignor, by mesne assignments, to United States Metal Powders, Inc., Baltimore, Md., a corporation of Maryland
No Drawing. Application February 19, 1937, Serial No. 126,639. Renewed January 4, 1940
15 Claims. (Cl. 106—290)

13. A metal pigment composition of improved leafing characteristics comprising an intimate mixture of metallic powder, a volatile hydrocarbon liquid, a higher fatty acid as leafing agent, and a normally solid readily sublimable aromatic stabilizing agent selected from the group consisting of camphor, naphthalene, and camphoraceous and naphthalenic bodies.

2,250,957
WEB ROLLER
Lytle Gale Hunter, Flushing, N. Y., assignor to The Hunter Illuminated Car Sign Co. Inc., Flushing, N. Y., a corporation of New York
Application December 7, 1939, Serial No. 308,016
5 Claims. (Cl. 156—36)



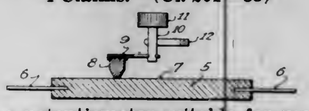
1. A web roller comprising a tube having holes in the wall thereof, a flange across one end of said tube, and spring arms secured to said flange and extending lengthwise of the tube and having yielding fingers resiliently engaging in said holes in the wall of said tube to detachably hold the flange on the tube.

2,250,958
PROCESS OF EMBEDDING COLOR IN POLYMERIC MATERIALS
Carl T. Kautter and Kurt Feuerstein, Darmstadt, Germany, assignors to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application January 19, 1939, Serial No. 251,691. In Germany January 19, 1938
5 Claims. (Cl. 18—58)

1. The process of embedding a layer of colored

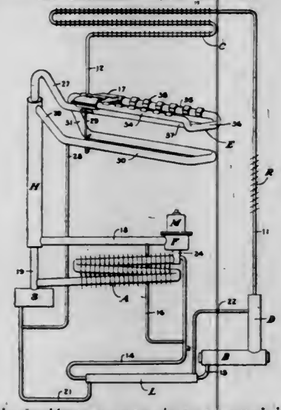
material within polymeric material which comprises forming on the surface of a mold a dry layer of color material in an organic binder which is insoluble in a polymerizable liquid, filling said mold with said polymerizable liquid, polymerizing said liquid and removing the polymer from the mold.

2,250,959
POTENTIOMETER
Daniel S. W. Kelly, Milwaukee, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 25, 1938, Serial No. 192,494
4 Claims. (Cl. 201—55)



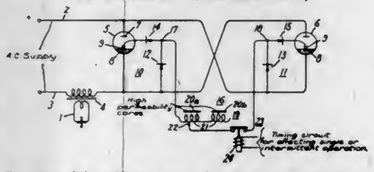
1. In a potentiometer suitable for use in electron tube or other high frequency circuits, the combination comprising a body of resistance material forming a resistance element with a contact surface thereon, fixed contacts applied to said resistance element for establishment of an electrical path therethrough, an electrically contacting branch path arm relatively movable with respect to said contact surface, a stationary branch path terminal in electrical contact with said arm, and a movable contactor in electrical contact with said arm and said contact surface for creating a branch path, said contactor being supported by said arm for relative movement with respect to said contact surface, said contactor comprising a button having a predetermined resistance of substantial amount apart from and substantially in excess of resistance incidental to contact resistance and resistance of said contact arm and terminal whereby oscillating current flowing in said branch path and by-passing from said arm and terminal to said fixed contacts by reason of the capacitive relationship therebetween encounters a predetermined resistance of substantial amount in said branch path.

2,250,960
REFRIGERATION
William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,193
15 Claims. (Cl. 62—5)



1. Refrigerating apparatus comprising a plurality of evaporating sections, means for supplying liquid refrigerant and a pressure equalizing medium to said evaporator sections, and refrigeration demand responsive means for diverting the liquid refrigerant and pressure equalizing medium into a selected evaporator section.

2,250,961
ELECTRIC VALVE CIRCUITS
Orrin W. Livingston, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 28, 1939, Serial No. 301,862
11 Claims. (Cl. 250—27)



1. In combination, an alternating current supply circuit, an alternating current load circuit, electric translating apparatus connected between said circuits and comprising a pair of reversely connected electric valves each having an anode, a cathode and an immersion-ignitor control member in contact with the associated cathode and requiring the transmission of a predetermined minimum amount of current through said control member to initiate an arc discharge between the associated anode and cathode, a pair of excitation circuits, one of said excitation circuits being associated with one of said electric valves and the other of said excitation circuits being associated with the other of said electric valves and each of said excitation circuits comprising a unidirectional conducting device poled to transmit current from the supply circuit to the control member of said other electric valve, a control circuit interconnecting said excitation circuits and comprising a saturable inductive reactance for selectively advancing and retarding the time at which the critical current is transmitted to the control members.

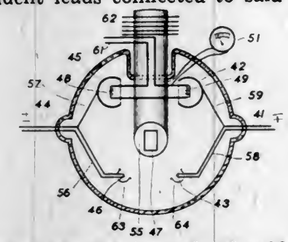
2,250,962
PREGNANDIOLS AND METHOD OF OBTAINING THEM
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Original application November 5, 1937, Serial No. 173,044. Divided and this application March 13, 1939, Serial No. 261,661
10 Claims. (Cl. 260—397.5)

1. Process for the preparation of a 3,20-dihydroxy pregnane compound precipitable by digitonin, and having the 3-hydroxyl and the 20-hydroxyl groups in trans-steric arrangement, which comprises catalytically hydrogenating the corresponding ol-20-one-3 compound in acid solution.

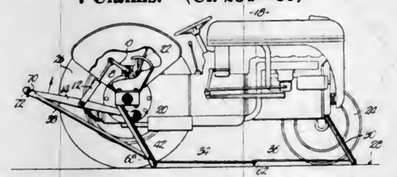
2,250,963
X-RAY TUBE
Arthur Mutscheller, New York, N. Y.
Application November 21, 1939, Serial No. 306,301
12 Claims. (Cl. 250—144)

1. An X-ray tube comprising an envelope having therein an X-ray anode having refractory portions for receiving electrons at voltage saturation, and a thermionic cathode having electron emitting sections, an auxiliary hollow anode substantially enclosing each of said electron

emitting sections, additional thermionic cathodes adjacent said X-ray anode and each having a focusing device to direct the discharge therefrom upon the refractory portion of said X-ray anode, independent leads connected to said first mentioned cathode and to each of said additional thermionic cathodes, a conductive connection between said X-ray anode and said first mentioned cathode and between each auxiliary anode and one only of said additional thermionic cathodes.

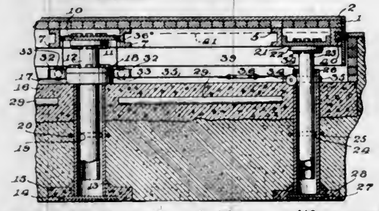


2,250,964
TRACTOR JACK
Tom W. Poor, Olathe, and John E. Kisinger and Herman T. Kisinger, Stilwell, Kans.
Application August 22, 1940, Serial No. 353,648
7 Claims. (Cl. 254—86)



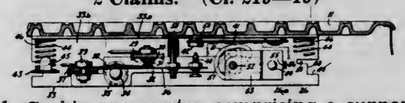
1. A jack for tractors, having a draw-bar and hydraulic mechanism for moving the same, comprising a plurality of stands; and means joining the stands to said hydraulic mechanism.

2,250,965
STABILIZER FOR ELEVATABLE PLATFORMS
Peter G. Pritz, Philadelphia, Pa.
Application July 5, 1940, Serial No. 344,126
1 Claim. (Cl. 254—89)



The combination of a platform, with a peripheral channel iron supporting frame comprising side and end members, a centrally positioned pair of spaced parallel channel irons extending transversely of and secured to the opposite side members of said frame, channel irons within, spaced from and parallel with each of the end members of said frame, a plate spanning the spaces between said central pair of channel irons, plates spanning the spaces between said last-named channel irons and their adjacent end members, a vertical substantially centrally positioned supporting plunger secured to said first plate, a pair of vertical supporting plungers secured to said last-mentioned plates and positioned upon the opposite sides of said first plunger, a cable connecting the upper portion of said first plunger with the lower portions of said last-mentioned plungers, and pulleys for guiding said cable so that a rise of said central plunger causes an equal rise of said end plungers.

2,250,966
COOKING APPARATUS
August A. Propernick and William F. Allenby, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York
Application September 3, 1938, Serial No. 228,366
2 Claims. (Cl. 219—19)



1. Cooking apparatus comprising a support, a cooking plate removably mounted on said support, an electric heating element for applying heat to said cooking plate, a heat conducting plate, spring means yieldingly holding said heat conducting plate in direct thermal contact with said cooking plate, a thermostatic element mounted on said heat conducting plate in good thermal relation with it, an arm mounted on said heat conducting plate so that it is movable toward and away from said plate, a resilient switch blade mounted on said arm, a fixed contact on said arm cooperating with said blade, the blade and contact being connected in the energizing circuit of said heating element and the thermostatic member operating the switch blade to and from said contact to control the energization of said heating element, means for varying the position of said arm on said heat conducting plate to vary its position with reference to said thermostatic element and thereby vary the temperature held in said cooking plate, and a projection on said resilient blade arranged to engage said heat conducting plate to limit the movement of said blade toward said plate so that when said arm is moved toward said plate to a predetermined position, the projection will engage said plate to prevent further movement of the switch blade whereby upon further movement of said arm toward said plate said contacts are opened.

2,250,967
METHOD OF PRODUCING TUBULAR ARTICLES
Herbert S. Riddle, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application September 7, 1938, Serial No. 228,803
1 Claim. (Cl. 18—59)

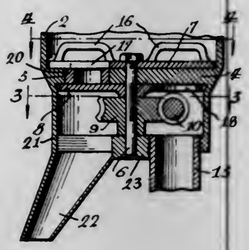


The method of producing a tube of plastic material of pleasing appearance which comprises winding at least one rod of plastic material upon a support, cementing the adjacent windings together, splitting the tube thus formed longitudinally to form a sheet, and shaping the sheet to tubular form and securing the abutting edges to provide a tube having longitudinally extending ribs.

2,250,968
MEASURING DEVICE
Emile Riendeau, Montreal, Quebec, Canada
Application November 17, 1939, Serial No. 304,980
1 Claim. (Cl. 221—116)

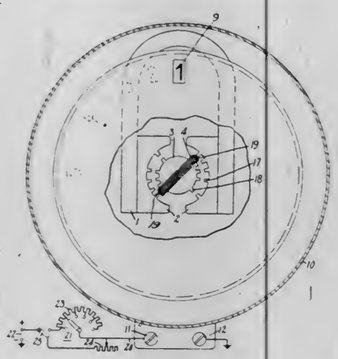
A measuring device comprising a receptacle

having an outlet in its bottom, a transverse plate in said receptacle and having a measuring opening therethrough over said outlet, a rotatable shaft passing through said plate, a valve plate secured to said shaft and resting upon said transverse plate, said valve plate having an opening adapted to register with said measuring opening, a release plate fixed to said shaft and engaging



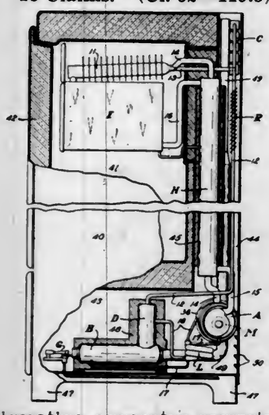
the bottom of said transverse plate, said release plate having a release opening therethrough adapted to register with said measuring opening, the openings in the valve and release plates being spaced from each other at least the circumferential extent of said measuring opening, gearing in said receptacle for rotating said shaft, said gearing being disposed below and laterally of said measuring opening.

2,250,969
CURRENT RESPONSIVE INSTRUMENT
Georg Seefeld, Berlin-Lichtenberg, Germany, assignor to General Electric Company, a corporation of New York
Application February 25, 1937, Serial No. 127,744
In Germany March 14, 1936
5 Claims. (Cl. 177—337)



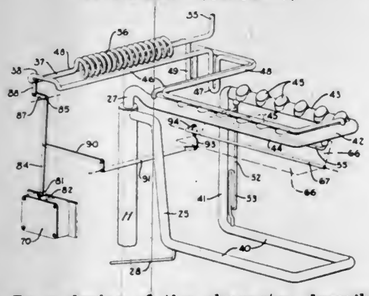
5. A current-responsive instrument comprising in combination, a pair of relatively rotatable members, said members comprising a field member and a current-carrying member, said field member comprising a magnet with pole pieces and a core positioned between said pole pieces, said pole pieces and core having confronting pole faces, at least one of said faces having salient pole elements angularly spaced thereon, and said current-carrying member comprising a current-conducting coil surrounding said core and carrying magnetizable pieces not exceeding in angular width the minimum angular spacing between said salient pole elements.

2,250,970
REFRIGERATION
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 25, 1938, Serial No. 204,019
13 Claims. (Cl. 62—119.5)



5. Refrigerating apparatus comprising a cabinet including an insulated cooling chamber, a shallow mechanism compartment beneath said chamber and a vertically extending cooling flue, refrigerating apparatus in said cabinet including an air cooled condenser in said flue, an evaporator in said chamber and a boiler and an absorber in said compartment, means connecting said boiler and absorber to form an absorption solution circuit, said absorber consisting of a hermetically sealed horizontally positioned vessel and power driven means associated with said vessel for circulating inert gas and gas to be absorbed through said vessel and for circulating absorption liquid through said vessel, said liquid circulating means comprising a plurality of discs mounted for rotation upon a substantially horizontal shaft, and a plurality of liquid catching devices adjacent said discs for catching liquid thrown off therefrom, one of said devices discharging liquid into said solution circuit.

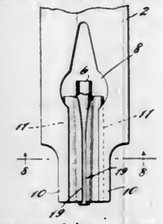
2,250,971
REFRIGERATION
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,202
27 Claims. (Cl. 62—5)



27. In a device of the character described, a source of supply of liquid, a plurality of liquid receiving sections and a liquid flow directing means connected between said source of supply

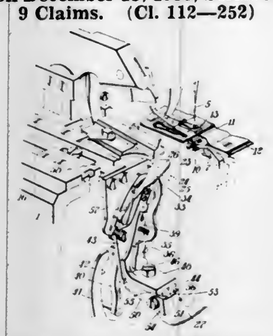
of liquid and said sections, said liquid flow directing means including a deformable part operable when deformed to direct the liquid from said source to a selected one of said sections, and means positioned outside the liquid confining walls of the device for applying a deforming force to said deformable part.

2,250,972
YARN CARRIER FOR KNITTING MACHINES
Otto F. Smetana, Concord, N. C.
Application April 2, 1940, Serial No. 327,393
5 Claims. (Cl. 66—126)



5. In a knitting machine, a yarn carrier having a hole therethrough adjacent one end thereof and an open slot through the carrier extending from that hole to said end, a holder supported by the walls of said slot, and a tube frictionally supported by said holder and slidable lengthwise thereof and having one end extending into said hole, for the purpose set forth.

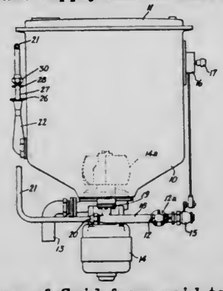
2,250,973
THREAD-CUTTING MECHANISM FOR SEWING MACHINES
Edward P. Spaine, Bridgeport, and Harold C. Faulkner, Long Hill, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 15, 1938, Serial No. 245,908
9 Claims. (Cl. 112—252)



1. In a thread-cutting mechanism, a carrier-lever, a thread-gripper having a shank with a laterally extending foot secured to said carrier, lever, and a thread-cutter having a shank with a laterally extending foot paralleling the laterally extending foot of said thread-gripper and secured to said carrier-lever for adjustment thereon independently of said thread-gripper.

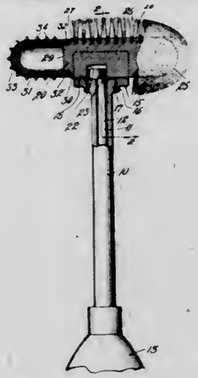
2,250,974
WASHING APPARATUS
Edgar S. Stoddard, Berwyn, Ill., assignor to Edison General Electric Appliance Company, Inc., a corporation of New York
Application August 2, 1940, Serial No. 349,670
8 Claims. (Cl. 137—21)

1. In a washing apparatus, a tank for receiving a washing fluid having a fluid inlet lying below the overflow level of said tank, a fluid inlet member connected to said fluid inlet and lying outside of said tank, a fluid inlet tube secured to the bottom of said tank and extending upwardly outside of said tank so as to lie above said member, means for spacing the discharge end of said tubing above said member so as to form an air gap in the fluid supply line of said tank so that



back-siphoning of fluid from said tank into said fluid inlet tube upon the submergence of said fluid inlet and the formation of a partial vacuum in said fluid inlet tube is prevented, and means in said fluid inlet member defining a throat section for substantially preventing the egress of steam or spray from said tank through said inlet member to said air gap during operation of said washing apparatus.

2,250,975
MECHANICAL BRUSHING DEVICE
William S. Sussman, New York, N. Y.
Application October 25, 1939, Serial No. 301,250
4 Claims. (Cl. 15—22)



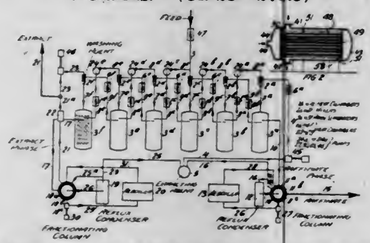
1. A mechanically operated tooth brush including a generally cylindrical brushing element comprising a core and a plurality of bristles secured over a portion of the surface thereof, including at least one end wall, a substantially C shaped support for the brushing element having a bore receiving the element to permit movement of the element relative to the support, the core having an aperture in one side wall thereof, and an eccentric cam driver positioned within said aperture to impart oscillating and reciprocating movement to the brushing element, a sleeve carried by the support and a rotatable shaft positioned therein, the cam driver being secured to said shaft, the core of the brushing element having a portion of its surface free from bristles to permit movement of the element relative to the support.

2,250,976

PROCESS FOR COUNTERCURRENT CONTACT OF TWO IMMISCIBLE LIQUIDS

Willem Johannes Dominicus van Dijck, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 15, 1936, Serial No. 64,030
In Great Britain February 19, 1935
7 Claims. (Cl. 23—270.5)



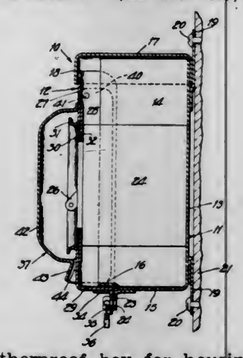
1. A process for extracting a mixture comprising components A and B into its components by means of a selective solvent for the component A, comprising the steps of introducing the said mixture at an intermediate point of a countercurrent liquid contact zone, introducing the selective solvent near one end of said zone, introducing a washing liquor near the other end of the zone, said washing liquor containing the component A in a higher concentration than the ultimate extract phase, subsequently described, and being capable of forming two liquid phases when mixed with the said ultimate extract phase, counterflowing said selective solvent and washing liquor in said contact zone in contact with said mixture, thereby producing counterflowing liquid extract and raffinate phases, separately withdrawing the ultimate raffinate phase near said first end and the ultimate extract near said other end, and maintaining at an intermediate point of the contact zone a temperature which promotes a higher miscibility of the extracting phases than the temperatures at the said ends of the contact zone while preventing total miscibility at said intermediate point.

2,250,977

WEATHERPROOF BOX FOR ELECTRIC CIRCUIT BREAKERS AND OTHER ELECTRICAL DEVICES

Ralph M. Walker, Atlanta, Ga.

Application September 1, 1939, Serial No. 293,017
3 Claims. (Cl. 220—3.8)



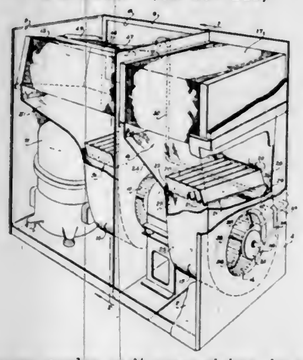
3. A weatherproof box for housing electrical devices comprising in combination a metal box body open at its front, a removable cover including a front wall and side walls extending rearwardly from said front wall, said front wall having a round opening therein, a forwardly extending annular trough shaped channel element integral with the walls of said opening and extending therearound, means for locking said cover to said box body, a metal door including a front panel and side flanges extending rearwardly from said front panel for overlapping the side walls of the box body, pivot means connecting the upper ends of said side flanges to the side walls of said cover to facilitate vertical swinging of said door relative to said cover, a hollow dome shaped protrusion formed in the front panel for receiving and housing said annular channel element when said door is closed, and an outwardly bent manipulating lip provided at the lower edge of the front panel centrally thereof, the inner walls of said lip being closely spaced from the front wall of said cover and cooperating therewith to define a drain opening, whereby water entering the joint between the top of said door and the cover will be shed about said opening by said annular channel element and drained from between the door and cover through the drain opening.

2,250,978

AIR CONDITIONING APPARATUS

Alfred Weiland, Philadelphia, Pa., and Joseph R. Zwickl, East Orange, N. J., assignors, by mesne assignments, to Allin B. Crouch, Schenectady, N. Y., as trustee

Original application June 11, 1936, Serial No. 84,758. Divided and this application November 30, 1938, Serial No. 243,160
8 Claims. (Cl. 62—140)



2. A room cooler unit comprising, in combination, condenser and evaporator elements; means for circulating separate air streams over said elements; means for collecting condensate from the evaporator side; and means for disposing of the collected condensate into the path of air flowing over said condenser including liquid absorbent material, and means for pressing said material against the surface of said condenser and also providing a chamber to receive condensate from said collecting means to wet the absorbent material.

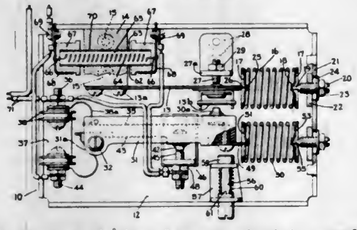
2,250,979

TIMING DEVICE

Russell A. Winborne, Oak Park, Ill., assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill., a corporation of New York

Application March 11, 1938, Serial No. 195,347
13 Claims. (Cl. 161—16)

8. A thermal timing device for controlling the timing operation of an electrically heated toaster comprising a bimetallic temperature responsive member having one end fixed and its other end free to move in response to temperature changes, a thermal mass in direct heat conducting relation with said fixed end, a heating element arranged to apply heat to said thermal mass, control means controlled by the movement of said free end controlling said toaster and heating element so that the heating element applies heat to said thermal mass while said toaster is heating until said bimetallic member is heated to a predetermined high temperature at which it moves to control said control means to deenergize said heating element, thereby permitting said bimetallic member to cool, and means controlled by the cooling of said bimetallic member for shutting off the heat from said toaster, and the heating and cooling of said thermal mass being so related to the heating and cooling of said toaster during toasting operations and the intervals between toasting operations that the thermal mass controls the temperature of said bimetallic blade to compensate for stored heat of the toaster thereby insuring that bread slices will be cooked to substantially the same degree in successive cooking operations.



9. A timing device for an electric appliance and the like including heating means, comprising a temperature responsive member, a fixed support for one end of said member, the other end of said member being free to move between a pair of controlling positions responsively to temperature changes, and controlling said heating means to heat said appliance for the period of time that said member is initially in the first of said positions and moves from the first position to the other and returns to the first, an overcenter spring acting on the free end of said temperature responsive member to control its movement between said positions, a second heating means for heating said member to cause it to move against the force of said spring from said first position to the other position in a predetermined interval of time, means controlled by the movement of said member to said other position controlling said second heating means to shut off the heat from said member when it reaches said other position, whereby it is permitted to cool, the member then cooling and returning to the first position against the force of said spring in a predetermined interval of time, and means for adjusting the tension in said spring to vary said periods of time.

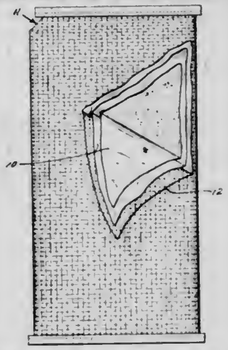
2,250,980

INDICATOR PACKAGE FOR CEMENTS AND THE LIKE

Thomas E. Workman, Los Angeles, and Harold W. Sayre, San Gabriel, Calif., assignors to California Portland Cement Company, Los Angeles, Calif., a corporation of California

Application January 22, 1940, Serial No. 315,026
5 Claims. (Cl. 229—55)

1. A package for alkaline cementitious material, comprising a multiple ply moisture absorbent paper bag, the outer ply containing an acid dye in the presence of an alkaline substance,



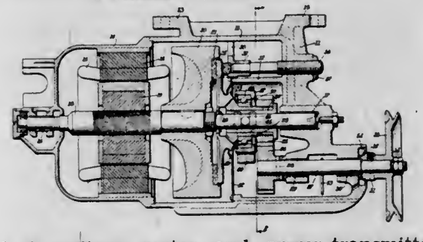
said dye being adapted to undergo a distinct and permanent color transformation by reaction with said alkaline substance when the outside of the bag becomes wetted.

2,250,981

ELECTRIC TRANSMITTER UNIT

George Abel, Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application May 11, 1940, Serial No. 334,519
6 Claims. (Cl. 192—18)



1. A unitary motor and power-transmitter comprising a housing, a constantly rotating motor-shaft having its ends journaled in said housing, a driving element including a fly wheel carried by said shaft, a driven element carried by said shaft and movable longitudinally thereon, a brake element carried by said housing and adapted to be engaged by said driven element, a pulley carrying shaft located interiorly of and journaled in said housing and means for operatively connecting said driven element with said shaft.

2,250,982

GOVERNOR

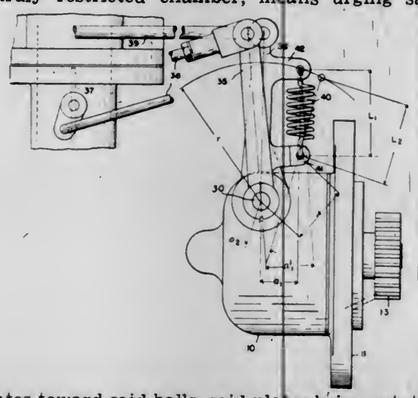
Herman G. Adler, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan

Application February 20, 1939, Serial No. 257,557
20 Claims. (Cl. 264—3)

1. A governor comprising a casing having a centrally apertured externally projecting stud, a shaft in said casing projecting from said stud, centrifugal means in said casing tending to retate said shaft, an operating lever fixed on the projecting end of said shaft, a second lever pivoted to said stud concentrically with said shaft, spring means interconnecting said levers and adapted to oppose said rotation of said shaft.

15. A governor comprising a rotatable shaft, a

slotted driving member rotatable with said shaft, balls in said slots, a pair of plates mounted on said shaft, abutting said balls at opposite sides thereof and defining between said plates an outwardly restricted chamber, means urging said



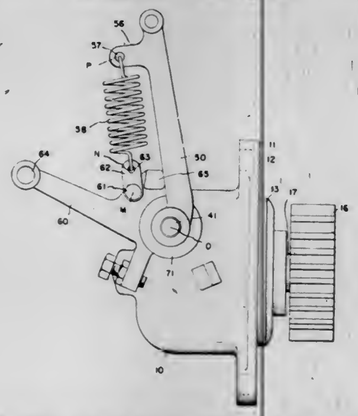
plates toward said balls, said plates being rotatable on said shaft, one of said plates being axially movable on said shaft, and an abutment carried by said shaft limiting axial movement of said last plate on said shaft.

2,250,983

GOVERNOR

Herman G. Adler, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan

Application May 6, 1940, Serial No. 333,655
13 Claims. (Cl. 264—3)



1. A wide range governor comprising centrifugal means, spring balancing means including a lever movable by said centrifugal means, a tension spring opposing movement of said lever, a link connected to one end of said spring, and an abutment engageable during swinging of said lever by said link.

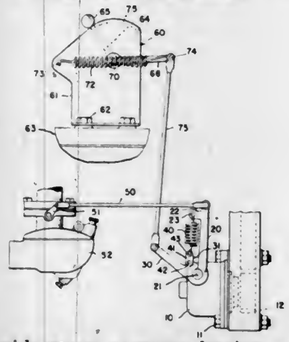
6. A governor comprising a casing, a shaft extending through an opening in a wall of said casing, centrifugal means on said casing operable to rotate said shaft, and friction means opposing rotation of said shaft, said friction means comprising a friction washer secured to said shaft, and resilient means urging said washer into contact with said casing, said washer serving as an oil-seal for said opening.

2,250,984

GOVERNOR

Herman G. Adler, Detroit, Mich., assignor to Novi Equipment Company, Novi, Mich., a corporation of Michigan

Application May 6, 1940, Serial No. 333,656
7 Claims. (Cl. 264—3)



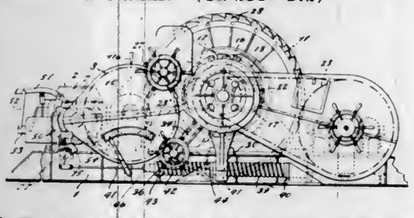
1. In a wide range governor having a movable adjusting member subjected at increased speed settings of said governor to continuously increasing effort, means for moving said adjusting member comprising a lever and a link interconnecting said lever and said member and constructed and arranged to change said continuously increasing effort as applied to said member to a torque applied to said lever which first increases and then decreases upon movement of said lever from slow to high speed positions, and spring means connected to said lever adapted substantially to balance said torque in all positions of adjustment.

2,250,985

TOWING MACHINE

Melvin B. Benson, Scotch Plains, N. J., assignor to Lidgerwood Manufacturing Company, Elizabeth, N. J., a corporation of New York

Application July 8, 1939, Serial No. 283,445
2 Claims. (Cl. 254—172)



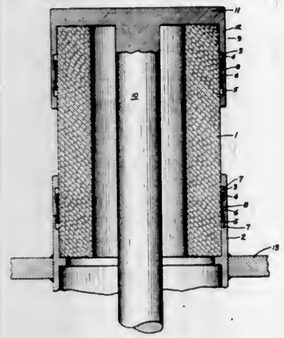
2. In a towing machine, a motor, a cable drum, a shaft driven by said motor and extending through said drum, a planetary-type driving transmission operatively connecting said shaft and said drum, said transmission having a planet gear supporting arm, a brake normally holding said motor against operation, a control arm adapted to swing about said shaft as a center, said control arm being operatively connected to said planet gear supporting arm, a spring yieldingly holding said control arm against movement by said planet gear supporting arm, an electric circuit having two switches therein, the first switch being normally closed and controlled by said control arm, the second switch being normally open, a rotary cam controlling said second switch and operating in synchronism with the drum, movement of said control arm against said spring opening said first switch and movement of said cam in synchronism with the paying-out rotation of the drum positively closing said second switch, means, actuated when said spring returns said control arm to normal position and closes said first switch, to operate said motor to rotate said drum to reclaim the cable paid out, said cam permitting said second switch to open when the amount of cable paid out has been reclaimed, means actuated on the opening of said first switch by the control arm to release said brake, and means actuated on the opening of said second switch, after the said first switch is closed, to allow the setting of said brake.

2,250,986

VACUUM-TIGHT METAL-TO-CERAMIC SEAL AND METHOD OF MAKING SAME

Günther Dobke, Berlin-Wilmersdorf, Germany, assignor to General Electric Company, a corporation of New York

Application September 5, 1940, Serial No. 355,475
In Germany November 26, 1938
4 Claims. (Cl. 113—112)



1. The process of making an electrical insulator by joining a metal body and a steatite ceramic body which comprises coating the surface of said steatite body with iron hydroxide, firing said coated body at a temperature of 1000° C. to 1200° C. to decompose said hydroxide to an oxide and to fuse said oxide into the surface of said steatite body, and silver soldering said metal body to the iron oxide coated surface of said ceramic body.

2,250,987

SHOE SOLE, HEEL, AND THE LIKE

Ernest W. Dunbar, Hudson, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts

Application December 18, 1939, Serial No. 309,758
10 Claims. (Cl. 260—742)



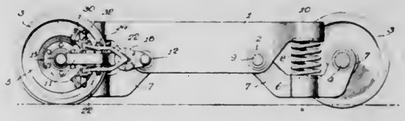
1. A tread member for shoes comprising a milled rubber composition having a substantial proportion of cork granules dispersed therethrough, said granules being impregnated with latex rubber and united thereby to the adjoining portions of said composition.

2,250,988

TRUCK AND BRAKE ARRANGEMENT THEREFOR

Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 19, 1939, Serial No. 285,271
9 Claims. (Cl. 188—153)



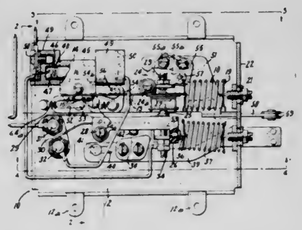
1. In a wheel truck, a brake disk secured to the outside of one of the wheels, a unitary rigid arm pivoted at one end to the truck frame and having its other end pivotally mounted substantially in axial alinement with the said wheel, and a brake shoe with fluid pressure actuating means therefor each carried by said arm, to cooperate with the rotary brake disk.

2,250,989

TIMING DEVICE

Samuel Eskin, Chicago, Ill., assignor to Edison General Electric Appliance Company, Incorporated, Chicago, Ill., a corporation of Illinois

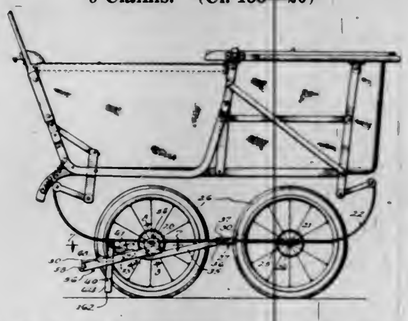
Application March 11, 1938, Serial No. 195,332
11 Claims. (Cl. 161—16)



9. A thermal timing device for a toaster comprising a temperature responsive member movable between a pair of controlling positions and controlling said toaster to heat for the period of time that said temperature responsive member is initially in the first of said positions and while it moves from the first position to the second and returns to the first, heating means controlled responsively to the movement of said temperature responsive bar so as to apply heat to said temperature responsive member while it is in said first position initially and while it moves from the first to the second controlling position, whereupon the heat is removed from said member to permit it to cool, the temperature responsive member attaining an average temperature condition when moving between said positions for any given temperature setting, means controlling the heating of said temperature responsive member to reduce the second time period of the toaster as the toaster heats up, and means for adjusting simultaneously the distance between said controlling positions and said temperature setting to vary the timing interval for a

desired color of toast, and also for increasing the difference in time between the first and second slices when adjusting for increased time intervals for darker toast and for decreasing said difference in time when adjusting for decreased time intervals for lighter toast.

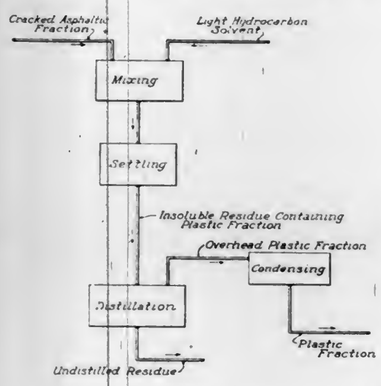
2,250,990
BRAKE MECHANISM
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Original application March 6, 1939, Serial No. 260,067. Divided and this application May 15, 1940, Serial No. 335,257
9 Claims. (Cl. 188—20)



1. In a brake mechanism for baby carriages and the like, the combination of a chassis comprising a pair of longitudinally extending frame members with a pair of wheels supported by an axle carried by said frame members, a brake beam extending transversely of said frame members and having pivotal points of connection with said frame members, a brake actuating frame pivotally mounted on said frame members and having a connecting rod pivotally connected thereto, said connecting rod extending to a central part of said brake beam, to which it is pivotally connected, whereby the frame is adapted to actuate said brake beam and bend said brake beam at the middle to cause its ends to flex into engagement with the wheels, a brake actuating lever pivotally mounted on said chassis and having a connection to said brake actuating frame whereby the actuation of said lever is adapted to move said frame into brake actuating position, said connection including a brake release lever having a projecting extension for engagement with the foot, said extension serving as a release lever.

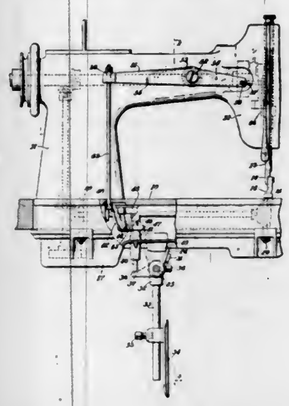
2,250,991
METHOD FOR PRODUCING HIGH MOLECULAR WEIGHT HYDROCARBONS
Ross J. Garofalo, Los Angeles, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application April 24, 1937, Serial No. 138,814
8 Claims. (Cl. 196—75)

1. A method of preparing high molecular weight hydrocarbons which comprises mixing a heavy asphaltic fraction with a light hydrocarbon solvent at a temperature sufficient to dissolve substantially all of the non-plastic oily fractions contained in said heavy asphaltic fraction but to leave plastic material and bituminous material as an undissolved fraction, separating the solution of non-plastic oily fraction from the undissolved fraction and fractionally distilling the undissolved fraction without substantial oxidation of said fraction and recovering the plastic



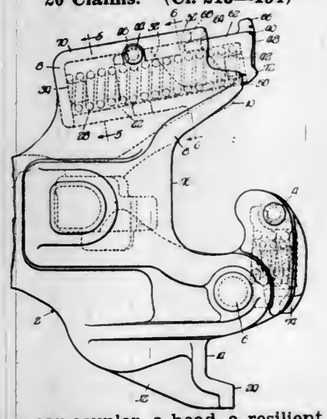
fraction as a distillate and bituminous material as a distillation residue.

2,250,992
PRESSER-FOOT LIFTER FOR SEWING MACHINES
Richard Kaier, deceased, late of Cranford, N. J., by Eleanor C. Kaier, executrix, Cranford, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Original application July 9, 1937, Serial No. 152,707. Divided and this application November 9, 1939, Serial No. 303,631
4 Claims. (Cl. 112—237)



1. In combination with an oil-reservoir provided with depending supporting members and a sewing machine resiliently supported upon the oil-reservoir, a rock-shaft journaled in said depending supporting members, said sewing machine having a presser-bar, manual means for actuating said rock-shaft, a rod slidable through a boss formed on said reservoir and having an operative connection with said rock-shaft, an oil-guard carried by said rod and overlying said boss, and mechanism for operatively connecting said rod to the presser-bar of the sewing machine.

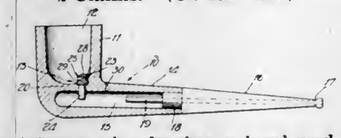
2,250,993
COUPLER
Edmund P. Kinne and Frank H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 4, 1939, Serial No. 271,808
20 Claims. (Cl. 213—154)



1. In a car coupler, a head, a resilient knuckle pivoted in said head, a lug integrally formed with said head, said lug comprising a projecting portion and a recessed portion, a guard arm opposite said knuckle, said guard arm having a projecting portion and a recessed portion, a cavity in said guard arm, and a resiliently mounted plunger in said cavity, said plunger having a buffing face normally extending outwardly of said projecting portion of said guard arm and being retractable under buff of an opposing coupler to a position where said face lies substantially within the plane of said recessed portion of said guard arm, said resiliently mounted plunger having a relatively light capacity per unit of travel as compared with said resilient knuckle, whereby the coupling operation may be effected without excessive shock.

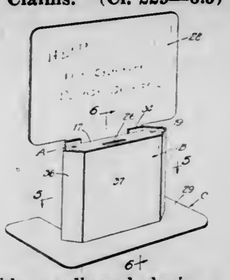
18. In a car coupling, the combination of coupler heads having pivoted knuckles, guard arms, and buffing means resiliently mounted in said guard arms and said knuckles, said guard arm buffing means having relatively light capacity as compared with said knuckle buffing means and being adapted to be compressed in the coupling operation, and said knuckle buffing means having a relatively high capacity and adapted to resist compression in the coupling operation.

2,250,994
TOBACCO PIPE
Salvatore La Franca, New York, N. Y.
Application May 14, 1940, Serial No. 335,022
2 Claims. (Cl. 131—205)



1. A tobacco pipe having a bowl and a stem integral with and extending from said bowl, said stem having a relatively large bore therein extending beneath the bowl and separated therefrom by a dividing wall, said enlarged bore constituting a combined smoke and moisture accumulating chamber, the dividing wall having a vertical round opening extending therethrough and which opens into the bottom of the bowl adjacent the rear thereof, the upper end of the opening having an enlarged threaded portion; a filter element comprising a tubular body portion, an enlarged externally screw threaded head integral with the top of the tubular body and having a conical shaped top wall, the threaded head having threading engagement with the threaded portion of the vertical opening while the tubular body freely passes therethrough and into the chamber with its lower end in spaced relation to the bottom wall thereof, the top of the head having crossed smoke inlet slots therein which communicate with the interior of the tubular body, and a horizontal smoke inlet passage provided in the side of said head and extending substantially halfway therearound and communicating with the interior of the tubular body, said smoke inlet passage being disposed adjacent and clear of the bottom wall of the bowl and facing the front and side walls thereof for setting up a sweeping draft over substantially the entire area of the bottom of the bowl during the smoking of the pipe.

2,250,995
FOLDING COIN RECEIVER AND DISPLAY DEVICE
David Lansky, New York, N. Y.
Application September 30, 1940, Serial No. 359,053
9 Claims. (Cl. 229—8.5)

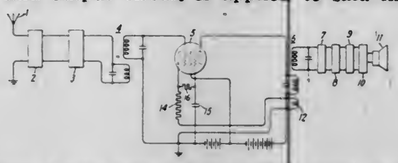


1. A foldable cardboard device comprising a box body having hingedly connected front, rear, top, and bottom walls, pairs of end wall sections hingedly connected to the ends of the front and rear walls, a foldable tubular outer wall structure surrounding the front, rear and sides of the box body, the rear wall of the box body being fixedly attached to the outer wall structure, said box body being normally flatly collapsed, and interlocking elements provided on the free edges of each pair of end wall sections and disengaged when the box body is collapsed, said tubular outer wall structure acting to cause the end wall sections to assume outwardly converging relation with their free edges contacting whereby movement of the box body to set up position will distend the outer tubular wall structure causing the same to impart an inward pressure against the contacting edges of the end wall sections to effect a positive interlocking of the interlocking elements when the box is set up and to prevent any subsequent collapsing of the device.

2,250,996
APPARATUS FOR CONTROLLING THE APPARENT RESISTANCE OF AMPLIFIER ANODES
Harry F. Mayer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application January 30, 1937, Serial No. 123,213. Divided and this application February 2, 1940, Serial No. 316,953
1 Claim. (Cl. 179—171)

In combination with an amplifier circuit in-

cluding an electron discharge amplifier having an anode in the output circuit thereof, apparatus for causing said anode to have a higher apparent resistance comprising a resistor in that part of the cathode circuit which is common to the input and the output circuits of the amplifier whereby a degenerative voltage responsive to the current in said output circuit is applied to said input



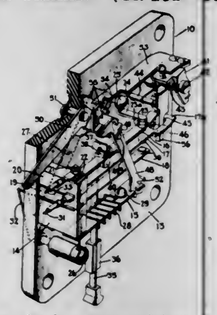
circuit, a load circuit and a transformer having a primary winding in said output circuit, a secondary winding connected to supply said load circuit and a tertiary winding in said common part of the cathode circuit in series with said resistor whereby a regenerative voltage is applied to said input circuit responsive to the voltage across the output circuit.

2,250,997

TIMING DEVICE

Nicholas Miller, Berwyn, Ill., assignor to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York

Application December 14, 1937, Serial No. 179,716
12 Claims. (Cl. 161—16)



1. A timing device comprising a thermostatic element, means for heating said thermostatic element, a plurality of switch members for controlling a controlled circuit and said heating means movable to first respective predetermined positions in which they energize both said controlled circuit and said heating means, and said members biased to second respective positions in which said circuit and heating means are deenergized, a latch constructed and arranged to hold said switch members in said first position when said latch is in a first position, and when moved to a second position to release one switch member to permit it to move to its second respective position to deenergize said heating means, and the latch thereafter when returned to said first position operating to release the other switch members to permit them to return to their said first positions to deenergize said controlled circuit, a second thermostatic element connecting said first thermostatic element with said latch so as to move said latch to said second position due to the heating and consequent movement of said first thermostatic element in one direction, and to return it to said first position due to the cooling and consequent movement of said first thermostatic element in the opposite direction, said second thermostatic element controlling the action of said first thermostatic element on said latch so as to compensate for changes in ambient temperature.

2,250,998

WAX SUPPRESSOR

Rene J. Narberes, Concord, and Frank Derbenwick, Martinez, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 1, 1939, Serial No. 307,083
6 Claims. (Cl. 252—32)

1. A limpid normally liquid oil composition comprising a hydrocarbon oil containing paraffin wax in amount sufficient to impart an undesirably high cloud point to said oil in the abscence of a wax suppressor, and dissolved therein a quantity of less than .1% of a mixture of albino asphalt together with a natural at least partly saponifiable wax, said quantity being sufficient to suppress the separation of paraffin wax above the pour point of the hydrocarbon oil.

2,250,999

ACYLATED N-ARYL GLUCAMINES

Richard Pasternack, Brooklyn, and Ellis Vincent Brown, Jamaica, N. Y., assignors to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey

No Drawing. Application February 7, 1940, Serial No. 317,666
5 Claims. (Cl. 260—211)

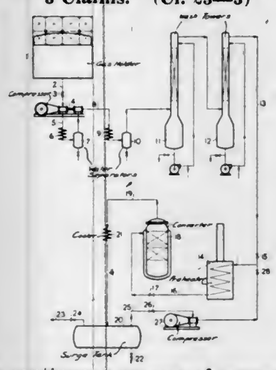
1. Process for the preparation of tetraacetylated N-aryl ribityl amines from aldehydo-tetraacetylated ribose consisting of mixing the aldehydo-tetraacetylatedribose with a primary amine of the benzene series in methyl alcohol solution containing a catalyst selected from the group consisting of the hydrogenation catalysts platinum, palladium and Raney nickel, and reacting the mixture with hydrogen until the calculated amount of hydrogen necessary to reduce the condensation product of the primary amine and the tetraacetyl ribose to the said ribityl amine has been absorbed.

2,251,000

PROCESS FOR PURIFYING GASES

Frederic Marinus Pyzel, Piedmont, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application October 2, 1939, Serial No. 297,568
3 Claims. (Cl. 23—3)



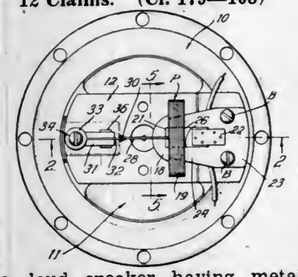
2. In a continuous process of removing carbon monoxide from hydrogen containing gases, having more than 0.7 per cent by volume of carbon monoxide, by catalytic conversion to methane, wherein said gases are passed through a reaction zone containing a catalyst mass containing a metal selected from the group consisting of nickel, cobalt and palladium, the steps of separating water vapor from the gases leaving the reaction zone, and recycling a sufficient quantity of the substantially water free exit gases to said reaction zone to maintain the carbon monoxide content of the gas in the reaction zone at less than 0.7 per cent by volume.

2,251,001

LOUD-SPEAKER AND DRIVING MOTOR THEREFOR

James P. Quam, Chicago, Ill., assignor to Quam-Nichols Company, Chicago, Ill., a corporation of Missouri

Application September 30, 1939, Serial No. 297,385
12 Claims. (Cl. 179—108)



1. In a loud speaker having metal frame means, and a diaphragm mounted on said frame means, a motor on said frame means for driving said diaphragm including in combination a permanent magnet providing a static magnetic field, an energizable pole piece providing a pulsating magnetic field, a magnet member of magnetizable material rigidly supported on said permanent magnet and magnetically common thereto having a portion extending into the pulsating magnetic field of the pole piece and with said portion being notched to receive an armature therein, a relatively small vibratory armature normally out of direct physical engagement with said magnet member but hingedly connected to said member, positioned in said notch and extending into the pulsating field of the pole piece, with the armature being of such size and so arranged with reference to the extending portion of the magnet member that energization of the pole piece provides a powerful, sensitive diaphragm driving stroke in the armature, movable means for connecting said armature with said diaphragm, and a rubber means on said frame means mounting and supporting a portion of said connecting means, said rubber member separating said portion of said connecting means from said frame means to prevent undesirable metallic noises arising in the connecting means and between such connecting means and the frame means in spite of a powerful driving stroke for said armature.

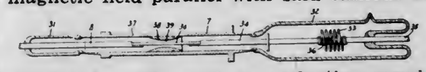
2,251,002

SHORT WAVE RADIO TRANSMITTER

Chester W. Rice, Schenectady, and William C. Hahn, Scotia, N. Y., assignors to General Electric Company, a corporation of New York

Application November 1, 1938, Serial No. 238,200
9 Claims. (Cl. 250—27.5)

1. A magnetron oscillator including a relatively long hollow anode having open ends, a relatively short linear cathode mounted within said anode, a magnet having opposed pole pieces to produce a magnetic field parallel with said cathode and



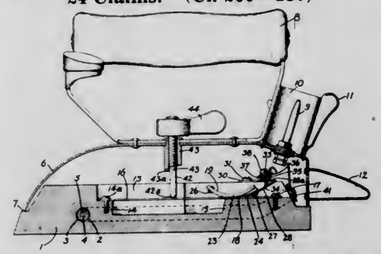
within said anode, and a conductive member connected to said anode and surrounding a portion of said cathode.

2,251,003

CONTROL DEVICE

Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application November 29, 1938, Serial No. 243,032
24 Claims. (Cl. 200—137)



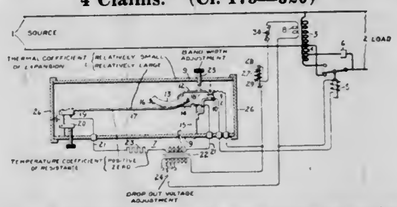
1. In a circuit controlling system for an electric iron having a sole plate, a rocker, a plurality of curved surfaces on said rocker, substantially non-expansive means connected to one end of said rocker and adapted to be wrapped over certain of said surfaces, resilient means connected to the opposite end of said rocker and adapted to be wrapped over the remainder of said surfaces, said remainder of said surfaces having a degree of curvature different from said first mentioned surfaces, and means connecting said substantially non-expansive means and said resilient means to remote points on said sole plate whereby movement of said sole plate in response to changes in temperature is transmitted to said rocker and amplified thereby.

2,251,004

THERMAL VOLTAGE RESPONSIVE RELAY

Theodore A. Rich, Schenectady, N. Y., and Lewis R. Runaldue, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

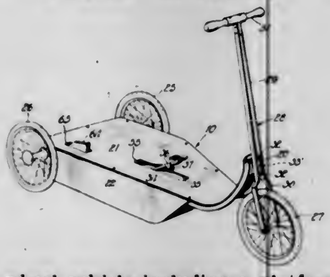
Application November 29, 1938, Serial No. 243,033
4 Claims. (Cl. 175—320)



1. In a thermal relay, a supporting member, a switch, said switch having a tensioned operating member which snaps the switch contacts open and closed when the tension thereon changes a predetermined amount, a thermally expandible electrical conducting member having one end thereof fastened to said supporting member and having the other end thereof fastened to said operating member, said operating member being

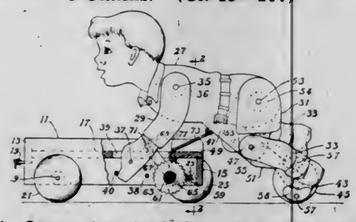
wholly supported by its tensioning means including said expandible member, and an electric circuit for passing a heating current through said expandible member.

2,251,005
FOOT PEDAL PROPELLED VEHICLE
Anthony Rubinich, Hoboken, N. J.
Application December 17, 1940, Serial No. 370,523
5 Claims. (Cl. 280—255)



1. A wheel vehicle including a platform body having a chassis frame, a rear drive axle journaled in said chassis frame, a pair of wheels, one of said wheels being fixed to said axle and the other being freely rotatable thereon, a foot pedal pivoted to said chassis frame, a roller mounted on said foot pedal, a spring actuated winding drum journaled in said frame, a ratchet operated driving pulley wheel journaled in said frame rearward of the winding drum and roller for driving movement in a forward direction and for free idle movement in a rearward direction, a cable having one of its ends secured to said winding drum and extending rearwardly and about the ratchet operated driving pulley wheel and forwardly over the top of the roller, the other end of the flexible cable being fixed to said foot pedal below said roller, whereby downward pressure applied to the foot pedal will cause a portion of the cable to unwind from the winding drum and impart a turning forward driving movement to the ratchet driving drum and release of pressure upon said foot pedal will permit the spring actuated winding drum to take up slack in the cable and return the foot pedal to raised normal position and impart a free idling movement to the ratchet operated drum, and a drive connection between the ratchet operated drum and the rear axle for imparting a forward driving movement to the rear axle upon the forward driving rotation of the ratchet operated driving drum.

2,251,006
WHEELED FIGURE TOY
Edward S. Savage, Rochester, N. Y.
Application March 10, 1941, Serial No. 382,504
9 Claims. (Cl. 46—107)



1. A figure toy including a vehicle movable over a supporting surface, a figure connected to said vehicle, said figure including a body portion, wheel means pivoted to said body portion in position to run on said supporting surface, a jointed leg pivotally secured to said body portion and to said wheel means, and means operating in timed relation to movement of said vehicle over said supporting surface for intermittently shifting said figure with respect to said vehicle to lift said wheel means intermittently from said supporting surface and then to lower said wheel means onto said supporting surface.

2,251,007
MACHINING TOOL
Karl Schröter, Berlin-Lichtenberg, and Walther Dawihl, Berlin-Kohlhasenbruck, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Application September 3, 1938, Serial No. 228,452. In Germany September 6, 1937
3 Claims. (Cl. 29—95)

1. A tool of the type described comprising a metallic shank and a tip prepared at least mainly of oxides or containing oxides as binder, said tip being fixed to the shank by means of a glass solder containing at least one of the following oxides: cobalt oxide, nickel oxide, manganese oxide.

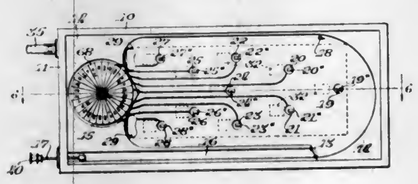
2,251,008
SAFETY RAZOR
Ralph E. Thompson, Brookline, Mass.
Application April 13, 1939, Serial No. 267,653
4 Claims. (Cl. 30—63)



1. A blade having opposite cutting edges and adapted for use in a safety razor having a holder including guards spaced apart in the direction of the width of the blade, said holder having fixed blade positioning means, said blade being so much narrower than the space between the guards that when either one of said edges is in operative shaving position relative to a guard the other edge is completely concealed within the holder, said blade being formed with recesses for cooperation with said positioning means, said recesses being all off-set from the longitudinal central line of the blade so as to cooperate with said positioning means only in the laterally displaced relations of the blade wherein one blade edge or the other is in shaving position relative to a guard, the blade being thus positionable in the holder only in an operative relation thereto.

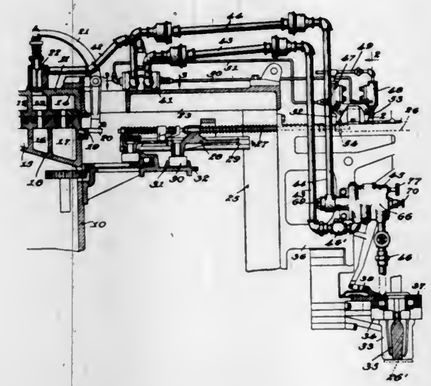
2,251,009
GAME APPARATUS
Bradlee W. Williams and Homer S. Williams, Chicago, Ill., assignors to Bally Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 20, 1935, Serial No. 55,324
15 Claims. (Cl. 273—121)

1. A game having a substantially horizontally disposed table over which balls are rollable into pockets formed therein, a spinner device included in the game and rotatably carried in a visible position with respect to the table and having score value markings formed thereon, indicator lines formed on the table to lead from the edge of the spinner and the markings respectively to the pockets whereby the spinner in a stationary po-



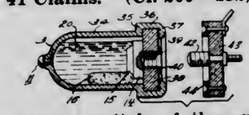
sition serves through the lines to indicate scoring values for the pockets; and means for rotating the spinner to alter the relative positioning of markings and lines to vary the score values of the pockets.

2,251,010
GLASSWARE FORMING MACHINE
Russell G. Allen, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application April 21, 1939, Serial No. 269,215
7 Claims. (Cl. 49—19)



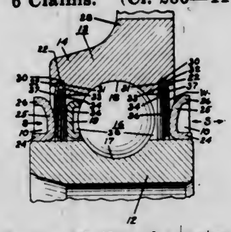
2. The combination with a suction type glassware forming machine including a main air valve having a connection leading to a blow head by means of which air for blowing purposes is introduced into a blank to expand the same to final form in a finishing mold, of a throttle valve disposed in said connection, said valve including a casing having an inlet port and an outlet port, there being a passage through the casing connecting the ports, there being a bypass in the casing communicating at one end with said passage and at the other end with the outlet port, a needle valve for restricting the flow of air through the bypass, and a time delay valve element slidably disposed in the passage and operable solely by the admission of air to the passage through the inlet to divert air entering the passage through the inlet through the bypass and to subsequently pass such air directly through the passage while simultaneously passing a portion thereof through the bypass.

2,251,011
SWITCH
Paul S. Bear, Dowagiac, Mich., assignor, by mesne assignments, to Bucklen-Bear Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
Application September 28, 1934, Serial No. 745,842
41 Claims. (Cl. 200—152)



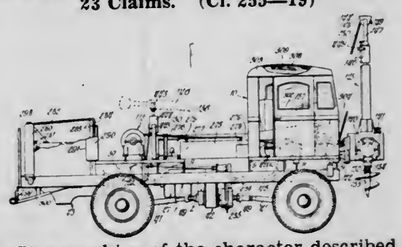
1. In a mercury switch of the enclosed type having a mercury contactor and insulated electrodes, a filling of an ethanolamine.

2,251,012
BEARING SEAL
Thomas C. Delaval-Crow, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 8, 1939, Serial No. 260,568
6 Claims. (Cl. 286—11)



1. In a device of the character indicated, a pair of relatively rotatable inner and outer members having an annular lubricant chamber therebetween, a pair of annular sealing elements carried by said members and co-operatively closing one end of said lubricant chamber, one of the elements having an annular slinger portion outside of the lubricant chamber and axially projecting away from said outer member, one of said elements being flexible and tending to assume a planar form, a holder mounted on one of the members and clamped over an edge of the flexible sealing element, and conical means on the holder for laterally deforming said flexible element from its initially flat condition towards and into side-wiping sealing contact with the other sealing element.

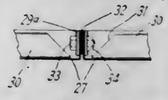
2,251,013
MACHINE FOR SETTING, SHIFTING, AND REMOVING POLES
Bartrum G. Donley, Clintonville, Wis., and Gilbert Genung, Oak Park, Ill.; said Donley assignor to said Genung
Application March 28, 1938, Serial No. 198,404
23 Claims. (Cl. 255—19)



1. In a machine of the character described, an automotive vehicle comprising a substantially

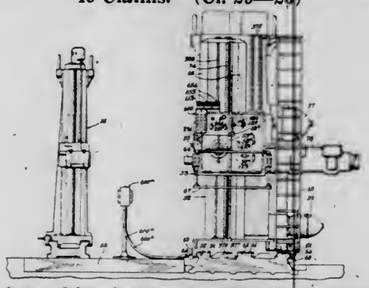
rectangular frame having a front axle and a rear axle each provided with ground wheels adjacent the sides of said frame, the latter extending forward and rearward beyond the respective axles and said front wheels being dirigible, a boring unit at one front corner of said frame extending forwardly thereof, a power plant on said frame in back of said rear axle, an operator's protective cab on said frame at the front thereof extending in part forward beyond said front axle and having openings giving unobstructed observation of one of said dirigible wheels and said unit and the ground area beneath and adjacent the latter, and control means within said cab readily accessible to an operator facing forward therein for maneuvering said vehicle and said unit and controlling operation thereof from said power plant.

2,251,014
FLUID HEATER CASING
William M. Firshing, Staten Island, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application April 2, 1938, Serial No. 199,622
15 Claims. (Cl. 189—34)



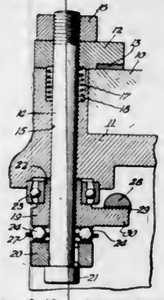
1. A fluid heater casing comprising an inner wall and an outer wall spaced therefrom, said outer wall comprising a series of sheet metal panels having out-turned edge flanges, means forming a gas-tight connection between the edge flanges of adjacent panels, said inner wall comprising a series of hollow sheet metal panels having out-turned edge flanges, rows of heat insulating blocks within said inner wall panels, means forming a gas-tight connection between the edge flanges of adjacent inner wall panels, and metallic tie bars rigidly connecting said inner wall edge flanges to said outer wall panels.

2,251,015
MACHINE TOOL
Keith F. Gallimore, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin
Application February 26, 1940, Serial No. 320,853
49 Claims. (Cl. 29—26)



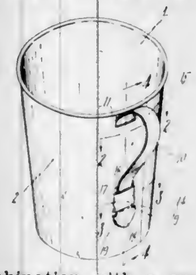
1. A machine tool comprising, in combination, a horizontal work support, a horizontal runway beside said work support, a vertical column slidable in a horizontal direction along said runway, a headstock arranged for vertical sliding movement on said column and having a tool spindle journaled therein, means for moving said headstock vertically on said column, a stationary rack extending along said runway, a pinion journaled in said column and meshing with said rack, a self contained power unit including an electric motor carried by said column and movable therewith for driving said pinion to traverse the column along said runway, means manipulable from said headstock for controlling said motor, and means supplemental to said power unit and manipulable from said headstock for rotating said pinion by hand to traverse the column.

2,251,016
CLAMPING MECHANISM
Keith F. Gallimore, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin
Application February 26, 1940, Serial No. 320,854
8 Claims. (Cl. 29—26)



1. In a device of the type described the combination of a shaft restrained against movement in one direction and free for movement in another direction in which one of such two directions is longitudinal of the shaft axis and the other angular about it, a clamp shoe restrained against movement about the shaft axis but movable longitudinally of such axis, a pair of cam members presenting opposed cam tracks lying generally transverse of the shaft axis, a rolling member between said cam tracks and engaged thereby, one of said cam members being fixed against rotation about the shaft axis and the other being oscillatable about it, and one of said cam members being fixed against movement axially with respect to the shaft and the other being movable relative to the shaft in such direction.

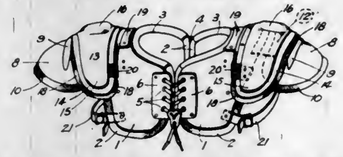
2,251,017
PAPER CUP
William G. Jopson, Williamsport, Pa., assignor to C. A. Reed Company, Williamsport, Pa., a corporation of Delaware
Application October 26, 1938, Serial No. 237,034
9 Claims. (Cl. 229—52)



1. The combination with a cup having overlapping layers of sheet material extending substantially the full height of the cup, of a handle

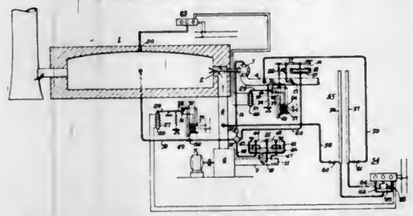
comprising a strip of sheet material secured at one end to said cup and slidable remote from said end through an opening through said outer layer between said layers.

2,251,018
FOOTBALL SHOULDER PAD
Edwin M. Lookabaugh, Stillwater, Okla.
Application July 31, 1939, Serial No. 287,585
2 Claims. (Cl. 2—2)



1. In a football shoulder pad, the combination with laced body members, hinged shoulder caps and arched cantilevered epaulets, of hinged means for securing the central section of the said epaulets to the inner edges of the body members and two web snubber shock absorbers for securing the said epaulets to the outer edges of the body members at both the front and back of said epaulets, the said central hinge and snubbers forming a three-point support for the said epaulets against displacement, substantially as described.

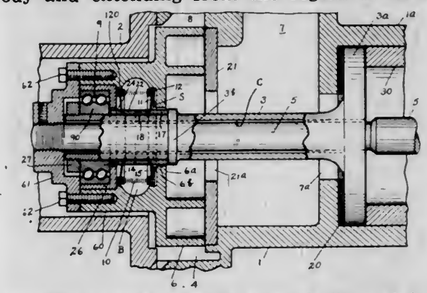
2,251,019
COMBUSTION CONTROL SYSTEM
James K. Mawha, Pittsburgh, Pa., assignor to John M. Hopwood, Dormont, Pa.
Application April 5, 1938, Serial No. 200,060
8 Claims. (Cl. 236—15)



1. In a control system for furnaces, a source of supply of fuel gas comprising a mixture of gases having different B. t. u. values, a regulator adjusted to maintain the rate at which such mixture is delivered to the furnace substantially constant for a given mixture of such gases, means responsive to a departure in furnace temperature from a predetermined value for so changing the adjustment of said regulator as to effect such a change in the rate at which the fuel gas is delivered to the furnace as to restore the furnace temperature to said predetermined value, a source of air supply for the furnace, means responsive to the rate of delivery of air and fuel gas to the furnace for maintaining a substantially constant ratio between such rates of delivery for a given mixture of fuel gas, and means responsive to the relative weights of the air and fuel gas delivered to the furnace and acting upon said fuel supply regulator and said fuel-air ratio responsive means for automatically modifying the fuel gas and air ratio in such direction as to maintain efficient combustion in the furnace.

2,251,020
BEARING AND SEAL
Daniel Murphy, New Castle, Pa.
Application December 30, 1938, Serial No. 248,447
5 Claims. (Cl. 103—111)

1. A bearing structure for the impeller and shaft of a rotary pump including within its body an impeller chamber and an inlet passage arranged side by side and a port establishing communication therebetween, said pump being adapted to pump heavy liquid including abrasive particles, said bearing structure including two bearings arranged outward from and on opposite sides of said chamber and passage, one of such bearings being housed within the impeller body, a tubular support secured at one end to the pump body and extending from the region of its attachment to such body transversely through both said inlet passage and said impeller chamber, and at its distal end extending into said impeller body and providing support for the bearing therein, said shaft extending through said tubular support and secured adjacent to the distal end thereof to said impeller, and means cooperating with such tubular support and the impeller body for sealing the bearing on the distal end of said tubular support within the impeller body.



2,251,021
HOUR HAND DEVICE
Lawrence E. Nebergall, Ottawa, Ill.
Application November 25, 1940, Serial No. 367,107
1 Claim. (Cl. 58—126)



As a new article of manufacture, an hour hand device for a time indicating instrument, such as an ordinary clock including a dial, a minute hand and an hour hand arbor with the hour hand removed therefrom, said device constituting a single flat stamped sheet metal unit comprising a body having a relatively wide arcuate end portion, a narrow opposite end and inclined side edges diverging to the arcuate end, said body provided with an opening adjacent its narrow end to receive said arbor for attachment of the device thereto, a plurality of pointers formed on and radiating from said narrow end for cooperation with the dial to indicate the time in different geographical time zones, each pointer gradually increasing in width from its juncture with the body and the outer end portion thereof being reduced in triangular formation to terminate into a point, said pointers being distin-

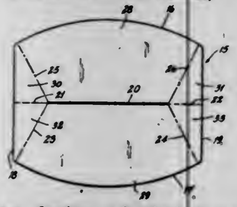
guished from each other by contrasting colors and having indicia thereon indicative of the zones, the wide end portion of the body opposing the pointers to provide counterbalancing means therefor, and one of said pointers being colored the same as that of the minute hand to indicate the use of the instrument in the time zone designated by that particular color.

2,251,022

FOLDED BOTTLE COLLAR

Leroy P. Neher, St. Louis, Mo., assignor to Neher-Whitehead & Company, St. Louis, Mo., a corporation of Missouri

Application April 29, 1939, Serial No. 270,737
3 Claims. (Cl. 40—4)



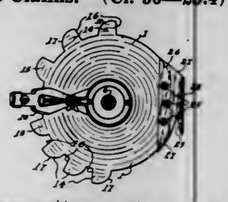
3. A display device adapted to assume the shape of a cone having open top and bottom, said device being formed from a blank of pliable material, said blank having opposite bottom edges curved on radii the length of which is substantially equal to a generatrix of the cone, lateral edges joining the ends of said arcuate edges, each of the arcuate edges being slightly longer than one-half the periphery of the cone at the base thereof, a slot across the blank between the lateral edges, fold lines extending from the ends of the slot to the lateral edges, and with the slot dividing the blank into front and back main sections, diagonal fold lines from the ends of the slot extending radially to the arcuate edges on at least one section and at both ends of the slot, said diagonal lines joining said arcuate edges at points spaced inwardly from the corners formed by junctions of lateral and arcuate edges, the device being adapted to be formed into a portion of a cone by lapping the areas between the outwardly extending and the radially extending fold lines to underlie the adjacent main section, the portions provided by inward spacing of the diagonal fold lines from the corners acting to avoid gaps in the folded display device.

2,251,023

GRASS CUTTER

John Alexander Orr, Chicago, Ill.

Application January 19, 1940, Serial No. 314,671
2 Claims. (Cl. 56—25.4)



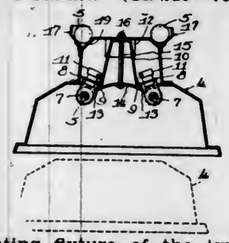
1. In a grass cutter, a plate, a motor carried thereby, a rotary knife driven by said motor beneath said plate, a transport disc beneath said knife and plate, a guard and guide secured to said plate and having laterally disposed rounded ends, and a lip formed terminally of said guard and guide positioned beyond said rotary knife, said guard and guide being beveled inwardly from said lip into engagement with one of said rounded portions to form a notch to receive material directed thereinto by said lip.

2,251,024

LIGHTING UNIT

William F. Overbagh, Wilmette, Ill., assignor to Overbagh and Ayres Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application June 29, 1940, Serial No. 343,210
3 Claims. (Cl. 240—78)



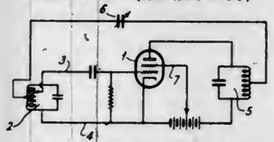
3. A lighting fixture of the type employing elongated lamps extending for approximately the length of the fixture, comprising a housing depending from a support, a reflector detachably mounted on said housing and provided with angularly arranged reflecting surfaces, means for supporting lamp sockets in the housing with said sockets depending through slots in the reflecting surfaces, and lamps adapted to be mounted in said sockets, said socket supporting means having pivotal means to permit alignment of said sockets with the slots and the automatic positioning and retention of said sockets in an angular relationship with respect to the vertical for optimum efficiency of the assembled fixture, and to permit ready lowering and removal of the reflector for disassembly after removal of the lamps.

2,251,025

OSCILLATION PRODUCING MEANS

Wilhelm Albricht, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application February 11, 1939, Serial No. 255,827
In the Netherlands March 22, 1938
4 Claims. (Cl. 250—36)



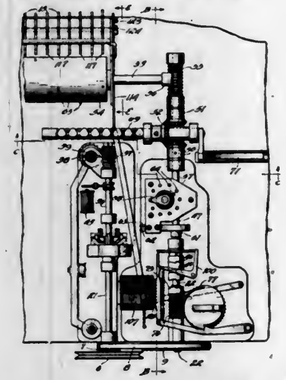
1. In an electron discharge device oscillator having a screen grid tube, a tuned circuit coupled between the anode and cathode, another tuned circuit and leads connecting said last tuned circuit to the control grid and cathode, and an external capacitive feed back path directly connected between a point on said anode tuned circuit and a point on said grid tuned circuit, whereby feed back potentials are applied to the control grid only through the impedance of the lead connecting said control grid to its associated tuned circuit, the leads from said cathode and grid to the tuned circuit associated therewith having such inductance as to cause the production of oscillations of undesired frequencies in the absence of the screen electrode in said tube.

2,251,026

PHONOGRAPH SELECTING SYSTEM

Lloyd J. Andres, Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan

Application March 25, 1940, Serial No. 325,709
4 Claims. (Cl. 274—10)



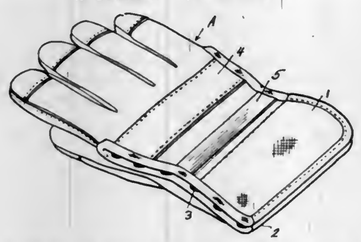
1. In an automatic phonograph, a turntable, a tone arm, motor-driven means for selectively presenting the records in playing position with the tone arm, and electrically-controlled means for said motor-driven means comprising a plurality of selector rods corresponding in number to the records, an electric circuit including a corresponding number of switches, means companion to said selector rods and actuated thereby for closing the respective switches when the rods are selected to govern said motor-driven means and play the records selected, and means common to said selector rod companion means and selectively registrable at a pre-determined time with a given previously actuated companion means to move it in a direction to open its respective switch.

2,251,027

SAFETY GLOVE

Harold Snowden Baker, Maybeury, W. Va.

Application September 8, 1939, Serial No. 294,009
2 Claims. (Cl. 2—161)



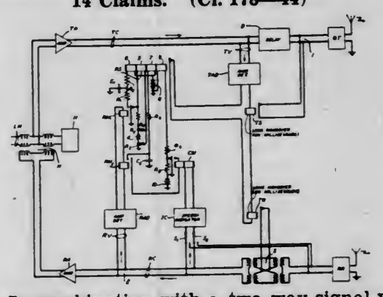
1. A safety glove for releasing the hand if the glove is caught in machinery comprising a finger part and front and rear portions, said glove having openings in its side edges extending from the finger portions through the rear of the glove and separating said rear portion from the front portion and separable snap fasteners for connecting the edges of the back portion to the side edges of the front portion, whereby one or both side edges of the back portion will be automatically separated from the side edges of the front portion when more than normal strain comes on the glove.

2,251,028

CONTROL OF TRANSMISSION IN TWO-WAY SIGNAL WAVE TRANSMISSION SYSTEMS

Harold L. Barney, Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 28, 1940, Serial No. 358,806
14 Claims. (Cl. 178—44)



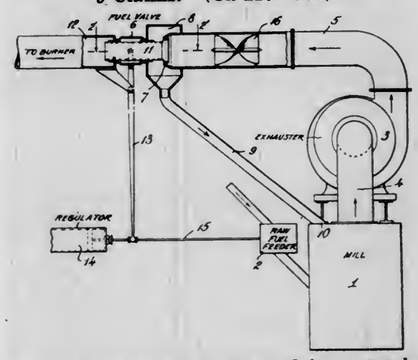
1. In combination with a two-way signal wave transmission system including at a terminal thereof, a signal transmitting path, a signal receiving path and a wave-operated switching circuit connected to each path, respectively responsive to outgoing signal waves to condition the terminal for transmitting only, and to incoming signal waves to condition the terminal for receiving only, means to reduce the probability of signal transmission lock-outs in said system, comprising means for effectively increasing the hangover in operation of the switching circuit controlled from said receiving path when incoming signal waves are present therein.

2,251,029

APPARATUS FOR REGULATING FUEL SUPPLIED TO BURNERS

Howard R. Barton, Englewood, N. J.

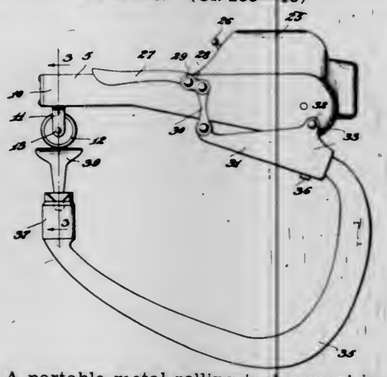
Application June 1, 1938, Serial No. 211,136
9 Claims. (Cl. 110—106)



8. An apparatus for supplying regulated amounts of pulverized fuel to a burner responsive to the quantity of heat units which are absorbed in a heat absorption apparatus and which are provided by combustion of pulverized fuel supplied to the burner comprising a grinding mill adapted to reduce unpulverized fuel to a degree of fineness appropriate for use in a pulverized fuel burner, means for conveying pulverized fuel suspended in a gaseous medium in a stream from said mill to the burner, a regulator responsive to the quantity of heat absorbed in the heat absorption apparatus, adjustable means disposed at a point between the mill and the burner com-

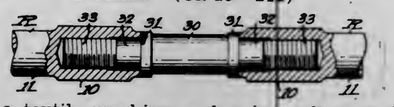
prising means for imparting whirling centrifugal motion to at least a portion of the stream of pulverized fuel and an adjustable valve disposed in the stream of pulverized fuel for controlling the amount of fuel to be returned to the stream of fuel flowing from the mill to the burner in the form of a stream of fuel concentrated by said centrifugal motion, said controlled amount of fuel being determined by said regulator, and means for returning the stream of fuel concentrated by said centrifugal motion to a point in the stream of fuel flowing from the mill to the burner located in advance of the first said point.

2,251,030
PORTABLE POWER-DRIVEN METAL ROLLER
Edgar Clay Blevins, Princeton, W. Va.
Application November 16, 1939, Serial No. 304,854
6 Claims. (Cl. 153—48)



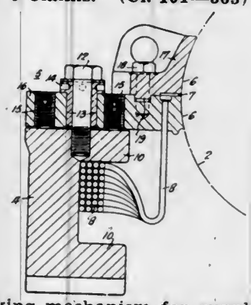
1. A portable metal rolling tool comprising an elongated casing forming a hand grip, a cross head mounted to reciprocate longitudinally in said casing, a roller suspended from said cross head, an arm pivotally connected to the inner end of said casing having its free end disposed beneath the path of movement of said roller, a dolly supported by the free end of said arm for cooperative action with said roller, means for reciprocating said cross head, and means for swinging said arm to move said dolly towards and from said roller.

2,251,031
DRAWING ROLL COUPLING
Franklin E. Bozeman, Jr., Charlotte, N. C., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application July 22, 1940, Serial No. 346,743
1 Claim. (Cl. 19—141)



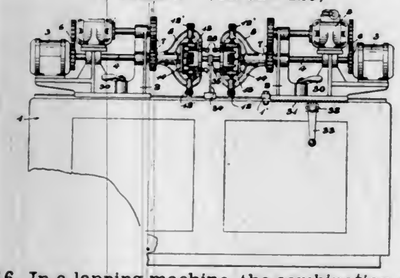
In a textile machine, a drawing roll comprising a plurality of roll sections and a plurality of interposed coupling members, each roll section having accurately spaced outer end surfaces, a cylindrical outer recess at each end and a threaded inner recess of less diameter, and each coupling member having a cylindrical center bearing portion, an annular portion of greater diameter at each end of said center bearing portion, a cylindrical aligning portion at the outer side of each annular portion and closely fitting one of said cylindrical recesses in an associated roll section, and a threaded portion of less diameter at the outer end of each aligning portion fitting one of said threaded inner recesses, each aligning portion being of less length than its associated cylindrical recess, each threaded portion terminating short of the inner end of its threaded recess when assembled, and the outer faces of said annular portions being accurately and definitely spaced apart and engaging the ends of adjacent drawing roll sections and thereby accurately determining the axial spacing of said roll sections.

2,251,032
INKING MECHANISM FOR PRINTING MACHINES
Robert Bradshaw and John Malcolm Lougee, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application December 18, 1939, Serial No. 309,908
In Great Britain January 5, 1939
9 Claims. (Cl. 101—365)



1. An inking mechanism for supplying ink to to the surface of an ink distributing cylinder and comprising a component having a curved ink applying throat adapted to be positioned in concentric relation to the surface of the cylinder, means to convey ink to the said throat, a supporting member for the component, means for securing the component to the supporting member, and separate but related instrumentalities for universally moving the component relative to the supporting member to accurately adjust the throat to concentric relationship with respect to the cylinder surface.

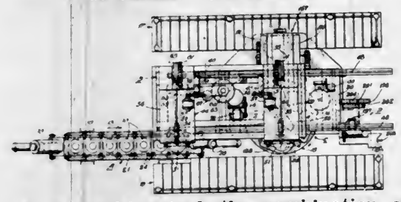
2,251,033
LAPPING MACHINE
Lee R. Brown, Whippany, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application February 23, 1940, Serial No. 320,501
17 Claims. (Cl. 51—120)



16. In a lapping machine, the combination of a rotary head, tools having opposed flat honing faces and aligned shafts provided with bearings

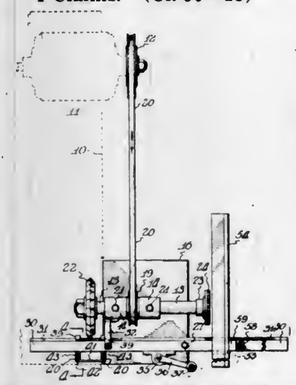
in said head, means for elastically pressing said tools against the work, means for reciprocating the work between said tools including spring-retracted plunger means engaging opposite ends of the work and means for moving said plunger means in one direction against the tension of the spring thereof including a member having a lateral cam face, and means for revolving said head, shafts and tools in an orbit about the work.

2,251,034
MACHINE TOOL
George F. Bryant, Chicago, Ill., assignor of one-half to Lucien I. Yeomans, Chicago, Ill.
Application June 26, 1940, Serial No. 342,479
40 Claims. (Cl. 29—38)



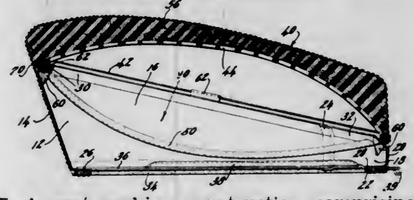
1. In a machine tool, the combination of a turret mounted for rotational indexing movement, a plurality of upright expansion-jaw type mandrels rotatably mounted on said turret at spaced points about its axis of rotation, power actuated means for indexing said turret to bring said mandrels successively to a series of stations, a first metal removing tool at one of said stations, means on said turret for releasably exteriorly clamping individually tubular workpiece blanks telescoped over the respective mandrels to hold them against rotation, power actuated means for feeding said first tool with respect to a blank on a mandrel located at one of said stations to effect a metal removing operation on said blank with the latter clamped by its clamping means, a second metal removing tool located at a second station, and power actuated means for revolving successive ones of the mandrels at said second station with said second tool in engagement with the blanks on them and with said clamping means released.

2,251,035
MITERING ATTACHMENT FOR TABLE SAWS
Rutherford B. Chase, Chicago, Ill.
Application March 18, 1940, Serial No. 324,659
4 Claims. (Cl. 90—18)



1. A mitering attachment for a table saw comprising a rotatable spindle and a bearing therefor fixedly mounted upon a base constituting a mandrel operatively associated with and attached to said table saw, a pair of vertically disposed spaced apart columns laterally adjustable upon said base, a work-holder carriage movably mounted upon said columns in a vertical plane substantially parallel to the major axis of said spindle, a work-vice mounted upon and carried by said vertically movable carriage, a miter cutting wheel carried by said spindle and adapted to revolve in a plane substantially at right angles to the path of travel of said carriage and thereby adapted to engage the work held in said work-vice, and manually operable means for moving said carriage and the work carried thereby, in a vertical plane into engagement with said cutting wheel whereby the work will be fed to the cutting wheel in an even and positive fashion and against the direction of rotation of said wheel, said means comprising a horizontally adjustable and vertically disposed exteriorly threaded shaft revolvably mounted upon said base and an interiorly threaded bearing carried by said carriage adapted to engage the threads of said shaft whereby the rotation of said shaft will cause the carriage to move in a vertical plane upon said spaced apart columns.

2,251,036
SEAT CONSTRUCTION
Noble C. Clark, Pleasant Ridge, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application May 23, 1938, Serial No. 209,427
7 Claims. (Cl. 155—179)

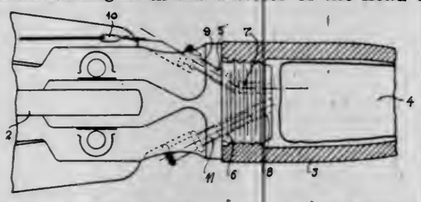


7. A seat cushion construction comprising a base frame formed of a pair of U-shaped sheet metal members joined together to form a box section of greater depth adjacent the front than the rear thereof, the upper edges of said U-shaped member being inwardly and upwardly sloped to form a supporting surface, a border frame member of a shape complementary to that of said base frame, elongated spring elements disposed between and fixed to opposite sides of said border frame member and set upon an upwardly directed bow forming a spring surface, downwardly bowed bracing members extending between said opposite sides of said border frame and fixed thereto, said border frame being so shaped that it seats upon said supporting surface, said surface being recessed adjacent said bracing members to receive said bracing members in said recesses to thereby prevent displacement of said border frame, and means attaching said border frame to said base frame.

2,251,037
BOMB HARPOON
Carl Corneliussen and Erling Corneliussen, Sandefjord, Norway
Application August 2, 1938, Serial No. 222,689
In Norway May 31, 1938
3 Claims. (Cl. 102—27)

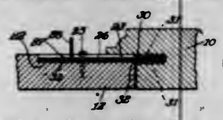
1. A bomb harpoon comprising a shaft, a head

secured to the shaft, and a hollow shell removably secured to the head and adapted to contain an explosive charge, said head having a channel therein leading from the exterior of the head to



and communicating with the hollow space in said shell and means in said channel whereby a fuse may be removably secured for igniting an explosive charge in the shell.

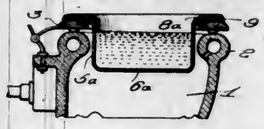
2,251,038
DOOR FASTENER
Robert W. Danen, De Pere, Wis.
Application March 25, 1940, Serial No. 325,884
1 Claim. (Cl. 292—145)



In a fastening device having a holder provided with a channel, lateral wings extending in the same plane about the channel, and screws engaged through the wings for securing the holder to a support, a bolt slidably received in the channel, one end of the bolt having a narrow tongue formed integral therewith extending between the wings perpendicular to the bolt, the tongue terminating in a flat knob engaging the outer faces of the wings and adapted to engage said screws and limit sliding movement of the tongue in the channel in one direction.

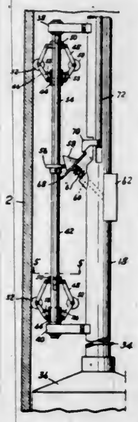
2,251,039
BIDET
Raul Ribeiro da Silva, Rio de Janeiro, Brazil
Application October 24, 1939, Serial No. 301,033
2 Claims. (Cl. 4—6)

1. A bidet for use in connection with a water closet comprising a body or bowl portion formed of flexible material and of elliptical shape in horizontal section, said body being adapted to fit wholly within the closet bowl below the plane of its seat and having straight vertical walls and being of like form and dimensions on each side of its vertical longitudinal center as well as of like form and dimensions on each side of its vertical transverse center, a flat horizontal bottom marginally united substantially at right angles to the straight vertical walls of the body so as to render the bottom resistant to downward deflection and to render the vertical walls and lower portion of the body resistant to diametric contraction under the weight of the water therein, an annular outwardly extending flange at the upper edge of the body formed to rest upon the upper surface of the closet seat free from fastening engagement therewith, said flange being flexible to a degree adapting it to be rolled with the body into a package but being stiffened uniformly throughout its entire area and breadth relatively to the body or bowl portion so as to be resistant to upward bending movements upon itself and to diametric contraction of the upper portion of the straight vertical walls of the body under the weight of the water therein, whereby the filled body is adapted to be sustained against distortion



and sagging under the weight of the water and rendered self-supporting from and without fastening connection with the closet seat.

2,251,040
MEANS FOR MEASURING ROTATION OF APPARATUS WITHIN DRILL PIPE OR THE LIKE
Leonard S. Dewees, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application January 9, 1939, Serial No. 249,862
7 Claims. (Cl. 33—1)



1. A device for measuring the rotation of apparatus being lowered within pipe in a bore hole comprising an element rotatable about an axis substantially parallel with the axis of the pipe and arranged to engage and be rotated by engagement with the interior of said pipe, indicating apparatus operatively related to said element and comprising a movable member for indicating the rotary movements of said element, and devices responsive to variations in the pipe diameters for varying the ratio of movements of said element and member to correct the indications of said indicating apparatus for varying pipe diameters.

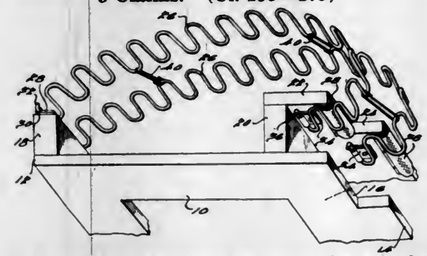
2,251,041
MANUFACTURE OF NICOTINE
Karl Basil Edwards, London, England
No Drawing. Application October 5, 1940, Serial No. 359,910. In Great Britain November 7, 1939
5 Claims. (Cl. 260—291)

1. A process for the production of nicotine alkaloids from commercial nicotine sulphate which comprises adding a substance selected from the group consisting of sodium hydroxide and potassium hydroxide to commercial nicotine sulphate until at least a slight excess is present and dehydrating the mixture by heating with dephlegmation of the vapour under reduced pressure.

2,251,042
STERILIZATION PROCESS
Josef Eisenbrand and Hermann Picher, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 17, 1938, Serial No. 230,517. In Germany September 18, 1937
8 Claims. (Cl. 167—52)

1. A solution which comprises a pharmaceutically active substance selected from the group consisting of the hydrochloride of para-butylamino-benzoyldimethylamino ethanol, the hydrochloride of ortho-dihydroxyphenylpropanolamine and the sodium salt of dimethylaminomethylphenyl-phosphenic acid, and a salt selected from the group consisting of salts of weak acids and strong bases and salts of strong acids and weak bases, which salt imparts to the solution at sterilization temperature a pH value at which it is stable but permits the solution to revert to a pH value appropriate to physiological compatibility at atmospheric temperature.

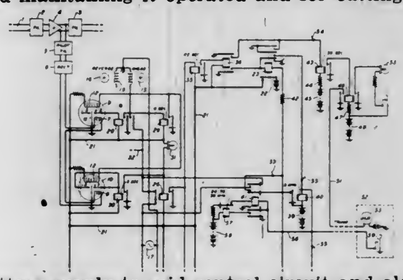
2,251,043
SEAT AND BACK CUSHION FRAME
Lowell C. Freeman, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application May 21, 1938, Serial No. 209,213
5 Claims. (Cl. 155—179)



1. A cushion construction comprising a base frame having front and rear edges, support means above said frame along the front thereof, said support means having forwardly extending spring mounting means thereon, elongated zigzag spring elements extending between said front and rear edges having the rear ends of said spring elements mounted at the rear of the frame, the front ends of said spring elements projecting over said mounting means and being reversely bent to positions under said mounting means, means connecting said front ends under said mounting means, and said spring elements bearing against forward edges of said mounting means, thereby providing a soft spring front edge.

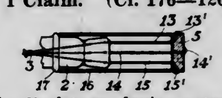
2,251,044
REGULATOR SYSTEM
Burton A. Fairweather and Donald M. Terry, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 22, 1940, Serial No. 353,695
3 Claims. (Cl. 177—311)

1. In a level regulating system for a transmission line, a regulator operating in response to line current to maintain constant transmission level, a control circuit therefor, an alarm and a circuit for operating the same in response to abnormal level conditions on said line, a battery for furnishing current to said control circuit and alarm circuit, and means to reduce drain on said battery during abnormal line level conditions comprising means energized independently of said battery for setting said alarm into operation and maintaining it operated and for cutting off



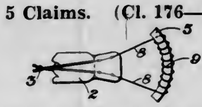
battery supply to said control circuit and alarm circuit, including means for periodically restoring said battery supply for short periods to test whether said abnormal line level condition persists.

2,251,045
GASEOUS ELECTRIC DISCHARGE DEVICE
Georg Gaidies, Berlin-Pankow, and Marcello Pirani, Berlin-Wilmersdorf, Germany, assignors to General Electric Company, a corporation of New York
Application April 24, 1930, Serial No. 447,051
In Germany June 29, 1929
1 Claim. (Cl. 176—126)



An electric discharge device comprising a container, electrodes sealed therein, a filling of gas therein, said electrodes comprising an oxide material having high electron emissivity characteristics, a plurality of metal wires having ends extending beyond said oxide body, and adapted to support a starting discharge to the said electrode when the device is started into operation by the operating current applied across the main terminals of the device, and to support an arc discharge in said device when the oxide has reached an electron emitting temperature.

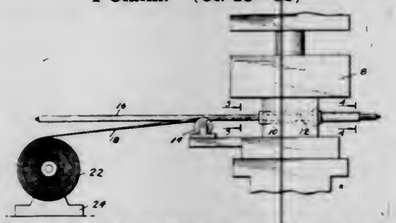
2,251,046
GASEOUS ELECTRIC DISCHARGE DEVICE
Georg Gaidies, Berlin-Pankow, and Marcello Pirani, Berlin-Wilmersdorf, Germany, assignors to General Electric Company, a corporation of New York
Original application April 24, 1930, Serial No. 447,051. Divided and this application April 20, 1932, Serial No. 606,366. In Germany June 29, 1929
5 Claims. (Cl. 176—126)



1. An electric discharge device comprising a container, electrodes sealed therein, a filling of gas therein, one of said electrodes being a self heating one and comprising a rod shaped compact body of an oxide material having high electron emissivity characteristics and a metal body being a wire coil containing said compact body and partially covering the surface thereof and when cold supporting a starting discharge

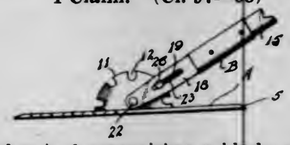
when the device is started into operation by the operating current applied across the main terminals of the device and supporting an arc discharge in said device when said oxide has reached an electron emitting temperature, an electrical connection for said electrode, said electrical connection constituting a single inlead for said electrode.

2,251,047
METHOD OF MARKING ARTICLES
Thomas W. Gangloff, Dallas, Pa., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application January 6, 1939, Serial No. 249,561
1 Claim. (Cl. 18—53)



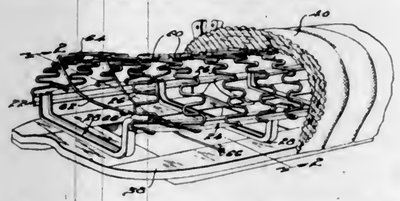
The method of surface marking rubber insulated cables, wire and the like which method comprises continuously assembling a flexible non-metallic stencil having the desired marking with the rubber insulated cable, wire and the like, and while the rubber is in unvulcanized condition, while continuously feeding this assembly through the smooth walled leader of a lead extrusion press provided with a leader and die, the leader having an internal diameter less than the outside diameter of the rubber article plus the thickness of the stencil, thereby to force the stencil into the surface of the rubber article and to force the rubber into the perforations of the stencil, continuously advancing this assembly through the die of the press while extruding lead between the leader and die tightly to lead jacket the assembly, thereby to prevent outward movement of the rubber through the stencil to beyond the outer surface of the assembly, vulcanizing the sheathed assembly, and thereafter removing the sheath and stencil.

2,251,048
GARDEN TOOL
Joseph F. Garland, Salt Lake City, Utah
Application October 10, 1940, Serial No. 360,625
1 Claim. (Cl. 97—68)



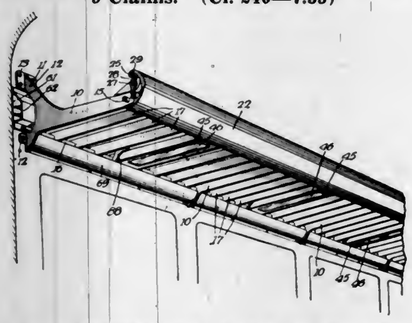
A garden tool comprising a blade of substantially triangular contour so that its opposed sides meet forming a point, the opposed sides of the blade having a plurality of serrations having cutting edges spaced therealong, each serration on the opposed sides of the blade comprising two edges, one edge of each serration slantingly positioned rearward and outward from the respective opposed sides of the blade and the opposed edge of each serration slantingly positioned outward and forward from the respective opposed sides of the blade, the rear side of the blade beveled to produce a cutting edge entirely across the rear, a handle, means for pivotally connecting the blade to the handle, a semi-circular rack means attached to the blade, an adjustable sliding bolt means mounted in a slot in the handle for engaging the semi-circular rack in different positions so that the blade can be adjusted in different positions with relation to the handle.

2,251,049
SEAT AND BACK CUSHION CONSTRUCTION
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application June 9, 1938, Serial No. 212,782
5 Claims. (Cl. 155—179)



2. A cushion construction comprising a base frame having means formed therein for anchoring wire spring elements, a plurality of elongated spring elements each comprising a section of spring wire bent to provide a similar series of adjacent lateral convolutions, said spring elements having different permanent sets therein longitudinally thereof at different regions therealong on arcs of comparatively smaller radii longitudinally of their length when unsecured than when secured in position, the extreme ends of said spring elements being anchored in said anchoring means to thereby provide a cushion construction deeper at portions thereof than at other portions.

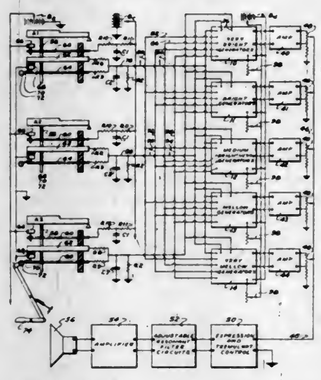
2,251,050
BAGGAGE RACK
Andrew T. Hagerty and Lemuel L. Stewart, Elkhart, Ind., assignors to The Adlake Company, a corporation of Illinois
Application December 31, 1937, Serial No. 182,857
9 Claims. (Cl. 240—7.35)



1. In a baggage rack, a rack bottom comprising front and rear parallel longitudinal edge members, means for supporting these members in spaced relation, a plurality of uniformly spaced transverse members carried by the front and rear longitudinal members, said bottom providing a plurality of adjoining similar substantially unobstructed open spaces each defined by two transverse members and the front and rear members, a lighting fixture comprising a lamp and casing therefor interchangeably fitting said

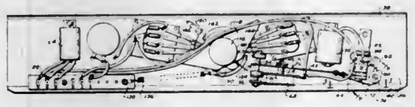
spaces and supported by the rack in a certain selected one of said spaces and substantially filling said selected space.

2,251,051
ELECTRICAL MUSICAL INSTRUMENT
Laurens Hammond, Chicago, Ill.
Application July 15, 1939, Serial No. 284,762
14 Claims. (Cl. 84—1.17)



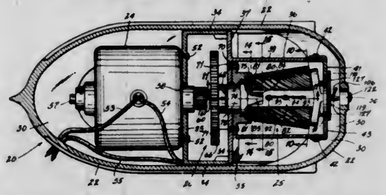
1. For use in an electrical musical instrument having electroacoustic translating means, a plurality of sets of complex wave electrical generators, each set including generators of frequency range substantially the same as the gamut of the complete instrument, the tone qualities of the signals produced by the generators of the different sets differing from one another, key controlled circuits for selectively energizing corresponding generators in each of said sets of generators, an output circuit for each of said sets of generators, an output circuit common to all of said sets of generators for supplying a signal to the electroacoustic translating means, and means for selectively controlling the degree of coupling between the output circuits of said sets of generators and said common output circuit.

2,251,052
ELECTRICAL MUSICAL INSTRUMENT
Laurens Hammond, Chicago, Ill.
Application October 21, 1940, Serial No. 362,018
10 Claims. (Cl. 84—1.25)



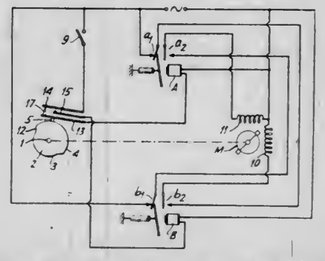
1. In an electrical musical instrument having a vibrato circuit, a vibratory reed for controlling the operation of said circuit, said reed having a part thereof of ferromagnetic material, an electromagnet located at one side of said reed and adjacent said part, a source of alternating current, and a switch for intermittently connecting said source to said electromagnet, said switch comprising a contact member carried by said reed, a contact arm, a pivotal mounting for said contact arm, means to impart a frictional drag to said contact arm to maintain it in any position to which it may be moved, and means for maintaining said contact arm closely adjacent said contact member.

2,251,053
PENCIL SHARPENER
Edward C. Hoffmann, University City, Mo., assignor to Triple "E" Products Co., St. Louis, Mo., a corporation of Missouri
Application December 28, 1939, Serial No. 311,261
6 Claims. (Cl. 120—96)



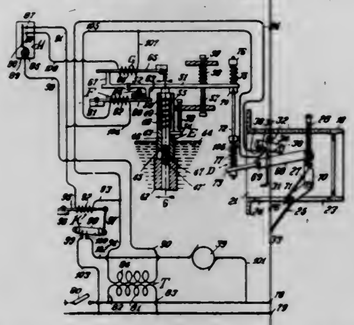
5. A pencil sharpener comprising a support, rotary cutting means mounted on said support, and means for driving said cutting means, said rotary cutting means including spaced cutting rollers, each having an associated pinion, a ring gear with which said pinions cooperate, and means for discharging any shavings or other material from the ring track which may sift thereinto.

2,251,054
CONTROL CIRCUIT
Alexandre Horowitz, Johannes Antonius van Lammeren, and Gunnar Börge Knös, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 16, 1938, Serial No. 246,088
In Germany December 28, 1937
4 Claims. (Cl. 172—239)



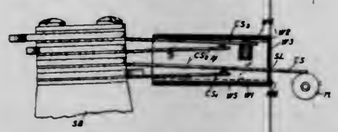
1. In a control system, an operable shaft, a reversible motor for operating the shaft, said motor being provided with a pair of windings arranged so that energization of one thereof causes the motor to operate in one direction, whereas energization of the other winding causes the motor to operate in the opposite direction, a relay, acting upon operaton, to cause energization of one of said motor windings, a second relay acting upon operation to cause energization of the other of said motor windings, an operable main switch, a multi-position selectively operable switching means arranged so that with the main switch closed it causes the energization of one of said relays when in one position, the energization of the other of said relays when in another position and the energization of both of said relays when in an intermediate position, means connected to said shaft for controlling the positioning of said selectively operable switching means in accordance with the position of the shaft, and means effective only when both of said relays are in an energized condition at the same time for preventing energization of either of said motor windings whereby the motor is rendered inoperative.

2,251,055
CONTROL MECHANISM FOR FLUID FUEL BURNERS
David J. Howard and Samson J. Johnson, Chicago, Ill., assignors to Quaker Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 6, 1939, Serial No. 266,340
14 Claims. (Cl. 236—1)



3. In combination, a burner, means for delivering a fluid fuel to the burner, means for supplying combustion air to the burner including a blower and an air conduit leading from the blower to the burner, there being an auxiliary opening in a wall of the conduit between the blower and burner, damper-means comprising a shutter intermediately pivoted to control the effective size of said opening, said shutter when in open position directing air under pressure from the blower through the opening and admitting air under natural draft through the opening when the blower is not in operation, and when in closed position closing the opening, said damper-means also comprising a pivoted vane extending transversely of the conduit between the blower and shutter when the blower is not in operation, and being moved by air under pressure from the blower to a position where it cooperates with the open shutter to direct air from the blower through the opening, and means for moving the shutter to or from closed position.

2,251,056
DUST EXCLUDING DEVICE
James R. Irwin, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1940, Serial No. 320,005
3 Claims. (Cl. 200—168)



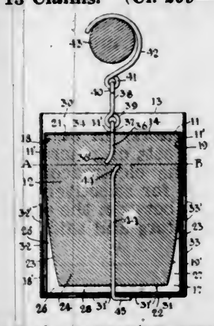
1. A dust excluding device for a plurality of switch springs disposed in a pile-up assembly, one of the switch springs projecting beyond the ends of the other switch springs, for operation by an actuating member, said device comprising an elongated resilient element of channel-shaped cross-section having an end wall provided with a slot for receiving the operable contact springs when placed over the pile-up, and the second element being of channel-shaped cross-section and having means for engaging the first-mentioned element by the medium of its own resiliency to form an enclosure for the switch springs.

2,251,057
DENTAL TOOL
John W. Iseman, New York, N. Y., assignor to Modern Products, Inc., Wilmington, Del., a corporation of Delaware
Application May 2, 1940, Serial No. 332,863
11 Claims. (Cl. 32—26)



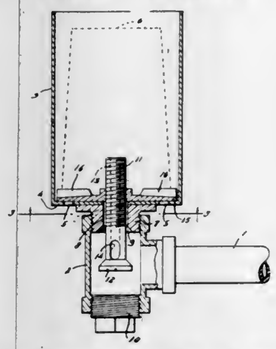
1. In a dental hand-piece the combination of a first casing element having an enlarged cylindrical portion, a second elongated casing element supported on said first casing element coaxially therewith and movable axially relatively thereof, a shaft extending axially of and rotatably mounted in said casing elements, and having an end disposed within said cylindrical portion, a turbine rotor supported on said end within said cylindrical portion, means in said cylindrical portion for directing fluid against said rotor to cause it to rotate said shaft and means responsive to relative axial movement of said casing elements for causing said rotor and said means for directing fluid against said rotor to engage to stop rotation of said rotor and said shaft.

2,251,058
CHEMICAL EVAPORATOR
Thomas W. Kirkman, New York, N. Y.
Application May 17, 1939, Serial No. 274,276
13 Claims. (Cl. 299—24)



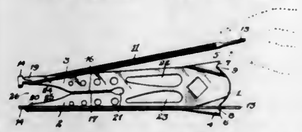
1. A chemical evaporator comprising a container having an aperture in its top and venting means; an evaporable chemical cake located entirely within said container; and external suspension means for the evaporator, the lower part of the suspension means, which comprises a smooth-surfaced rod-like portion extending through the aperture in the container, being embedded in the top portion of the cake and the suspension means being connected to the container only by means of the cake, said aperture being of a size to freely but snugly receive said part of the suspension means and permit gravity separation of the container therefrom only when the cake has completely evaporated from the suspension means, the construction and arrangement of the container, the venting means and the cake being such that the container will so protect said top portion of the cake from exposure that said portion will evaporate last, whereby when the evaporator is hung from an object by said suspension means, the container will be supported by said top cake portion and also supported solely by the cake so that only complete evaporation of the cake including said cake portion will release the container and thus cause the container automatically to fall from the suspension means entirely due to the weight of the container to thereby indicate complete evaporation of the cake.

2,251,059
TUMBLER RINSER
William A. Lau, Jasper, Ind.
Application October 7, 1940, Serial No. 360,193
1 Claim. (Cl. 141—3)



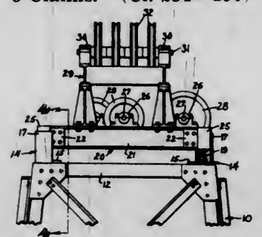
A tumbler rinser comprising a receptacle for the reception of an inverted tumbler, said receptacle including a bottom having drain holes therein, a nipple depending from the bottom of the receptacle, said nipple including a seat in its lower end portion, a fitting connected to the nipple, means for connecting said fitting to a source of water, a stem operable in the nipple and extending into the receptacle and the fitting, said stem having a passage therein for conducting water from the fitting into the receptacle, a valve on the stem engageable with the seat for shutting off the flow of water, and an adjustable disk threadedly mounted on the stem and operable in the receptacle, said disk being engageable by the tumbler for downward actuation thereby for opening the valve, said disk further being engageable with the bottom of the receptacle for closing the drain holes when the valve is in open position, said stem fitting loosely in said nipple for the passage of water therebetween for impinging the lower face of the disk.

2,251,060
HAIR CURLER
Ragnvald G. Leland, New York, N. Y.
Application June 14, 1940, Serial No. 340,438
10 Claims. (Cl. 132—33)



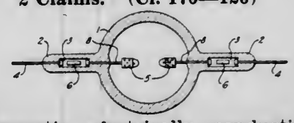
1. A hair curler including a body of flat slightly elastic material formed with a pair of slightly spaced jaw members between which the end of a bunch of hair is adapted to be inserted, each of said jaw members having a notch in the outer end, said body at the end opposite said jaw members having a pair of spaced notches and an elastic loop adapted to be positioned in each pair of notches, said elastic loops being arranged so that each loop will be held by one notch at the end of the body and one notch at the free end of a jaw.

2,251,061
RESILIENT WATER TABLE
Thrasher C. Little, Los Angeles, Calif.
Substituted for abandoned application Serial No. 452,447, May 14, 1930. This application April 24, 1939, Serial No. 269,795
5 Claims. (Cl. 254—190)



3. In a device of the class described, a polygonal base, a bracket rigidly secured to said base adjacent each corner thereof, each of said brackets including vertical corner portions, a vertical stud on each of said brackets, a coiled spring surrounding each stud, a frame positioned on said springs, said frame comprising structural members secured together, a member at each corner of said frame, said corner members having enlarged portions and being rigidly secured to said structural members, said enlarged portions including bearing faces adapted to engage said vertical corner portions of said brackets, a plurality of pulleys operatively mounted on said frame, a second frame supported by said first frame and a plurality of pulleys operatively mounted on said second frame.

2,251,062
HERMETIC SEAL
Leopold Lindwurm, Berlin, and Wolfgang Thouret, Berlin-Wilmersdorf, Germany, assignors to General Electric Company, a corporation of New York
Application October 28, 1940, Serial No. 363,190
In Germany October 14, 1939
2 Claims. (Cl. 176—126)

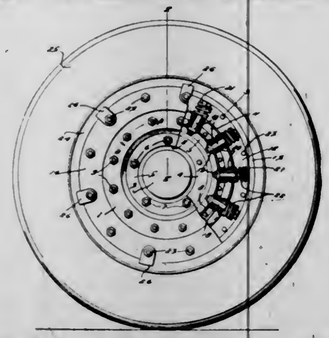


1. A hermetic, electrically conducting seal comprising a vitreous element having a low coefficient of expansion and an electrically conducting element fused into said vitreous element, said vitreous element being an elongated cylindrical body, said conducting element being a thin, flat, elongated metal member mounted with its greatest dimension in the direction of the longitudinal axis of said vitreous element, another element of electrically conducting material mounted on the center portion of said first mentioned conducting element to decrease the electrical resistance of said center portion, the edge portion of said first mentioned conducting element forming a hermetic joint with said vitreous element.

2,251,063
RESILIENT WHEEL
Webster Warn Little, National Park, N. J., assignor of twenty-five per cent to Senga Morrison Ives, New York, N. Y.
Application January 27, 1941, Serial No. 376,209
3 Claims. (Cl. 152—105)

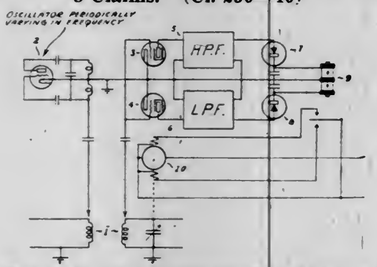
1. A resilient wheel comprising a pair of spaced

disks, a fixed annulus mounted between said disks and forming a brace for the disks, a channel ring having its base portion slidably mounted between the disks, bolts loosely connecting the channel ring to the annulus, coil springs mounted on



the bolts between the channel ring and the annulus, coil springs mounted on the bolts between the outer ends thereof and the channel ring, and means for securing a rim on the outer edge of said channel ring.

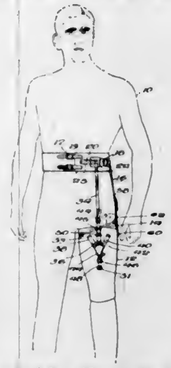
2,251,064
AUTOMATIC DEVICE FOR ADJUSTING TUNED CIRCUITS
Albert Dow Martin, Jr., Arlington, Va., and Frank Theodore Houghton, Philadelphia, Pa.
Application December 16, 1939, Serial No. 309,520
8 Claims. (Cl. 250—40)



1. Apparatus for automatically adjusting tuning means in a device operable as a tuned element at a predetermined resonant frequency, comprising, in combination with said device and the tuning means therefor, electric motor means engaged with said tuning means and operative for changing the resonant frequency of said device, oscillator means operative to supply energy to said device at different frequencies for frequency discrimination by said device, and automatic control means for said motor means energized from said device and operative in accordance with the frequency discrimination of said device with respect to the energy supplied thereto at said different frequencies, said oscillator means having a middle frequency equal to the desired resonant frequency of said device.

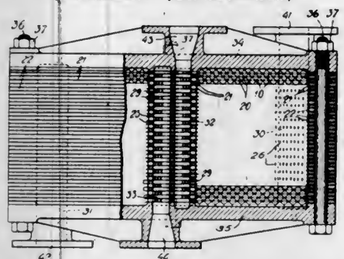
2,251,065
BELT AND CONTROL ASSEMBLY FOR ARTIFICIAL LIMBS
Frederick J. Perrin, Prophetstown, Ill.
Application November 20, 1940, Serial No. 366,461
3 Claims. (Cl. 3—2)

1. A control assembly for an artificial leg comprising a flexible belt adapted to be applied around a body at the waist of a wearer, a supporting member carried by the belt, a strap secured to said supporting member, a flexible strap assembly comprising three arms, the strap extending to the central arm of the flexible strap assembly, a juncture formed at the lower end



of the strap assembly, the upper end of two of the arms of the strap assembly being fastened to the artificial leg, a second strap extending from the juncture of the strap assembly and passing through apertures in the artificial leg and extending to the rear of the belt and being secured to the supporting member of the belt.

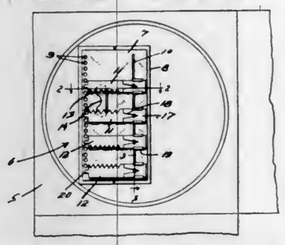
2,251,066
HEAT EXCHANGE APPARATUS
Ruben Alef Persson, Hedemora, and Johan Olof Nauclér, Stockholm, Sweden
Application May 19, 1938, Serial No. 208,844
In Sweden May 22, 1937
6 Claims. (Cl. 257—245)



1. Heat exchange apparatus comprising a serial group of plates identical as to form and size and each provided with a spiral groove extending between the periphery and the centre of the plate, alternate plates being turned about their central perpendicular through an angle of 180° in relation to each other, said plates being shaped to form walls for enclosing said grooves so as to form two groups of alternating spiral passages, openings in the central and peripheral portions of said plates, means including identically shaped peripheral and identically shaped central separate distance pieces positioned between adjacent plates disposing said spiral passages into groups of alternating passages, the passages of one of said groups being separated, in radial as well as in axial direction, from the passages of the other group by a single wall, said distance pieces also having openings coinciding with those of said plates to form central and peripheral fluid collecting chambers, and apertures in said distance pieces connecting the passages of each group in

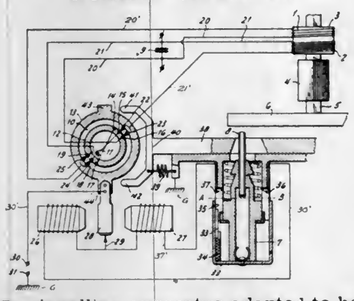
parallel between one of said central chambers and one of said peripheral chambers, every other central distance piece being turned about its axis through an angle of 180° in relation to the adjacent central distance piece and every other peripheral distance piece being turned about its axis through an angle of 180° in relation to the adjacent peripheral distance piece.

2,251,067
SHADE AND CURTAIN BRACKET HOLDER
Mile Rendulich, Weirton, W. Va.
Application November 14, 1940, Serial No. 365,707
1 Claim. (Cl. 248—254)



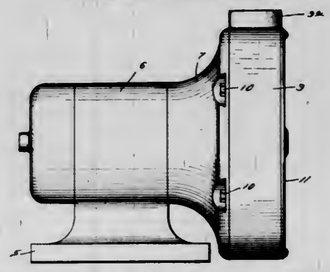
A curtain and shade hanger clamp comprising a pair of elongated clamp elements provided with teeth on opposed edges thereof and means for adjusting the spaced relation of the same, said means consisting of a plate having a plurality of openings therein, each of the elongated clamp elements having a lug at one end for disposition into one of the openings, said plate having a slot and detent means extending through the slot and adjacent ends of the elongated elements.

2,251,068
RECEIVER WITH AUTOMATIC TUNING
Herre Rinia, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 24, 1939, Serial No. 281,025
In the Netherlands July 14, 1938
6 Claims. (Cl. 250—40)



1. In signalling apparatus adapted to be automatically tuned substantially to any frequency within any one of a plurality of wave bands, an adjustable tuning means, a selectively operable device acting upon operation to adjust the tuning means to a predetermined position, operable means coupled for operation with said selectively operable device, said operable means being independently settable to any one of a plurality of different positions, operable wave band switching means which when in one position adjust the radio receiver for operation within one of said wave bands and when in another position adjust the radio receiver for operation within another of said wave bands and when in still another position adjust the receiver for operation within a third wave band, means controlled by said selectively operable device and said independently settable operable means when set to one of its positions and acting upon operation of said selectively operable device for first placing the switching means in a predetermined one of its positions at the time of operating the selectively operable device and thereafter causing the switching means to assume one of its other positions.

2,251,069
ERASER CLEANING APPARATUS
Walter A. Schaffer, Chicago, Ill.
Application January 7, 1941, Serial No. 373,502
1 Claim. (Cl. 15—12)



An eraser cleaning apparatus comprising a housing, a drive shaft extending into the housing, a hub carried by the end portion of the drive shaft located within the housing, a disk carried by the outer end of the hub, radially disposed blades projecting from the hub and at the inner side of the disk, said disk having dust passing openings therein and provided with cleats at the outer side thereof, said housing being provided with a removable cover plate having a rectangular-shaped eraser receiving opening therein behind which pass the cleats, and a dust outlet for the housing.

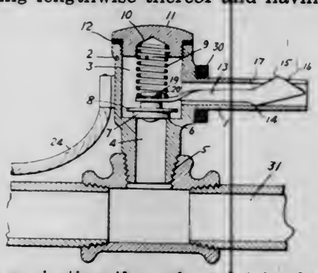
2,251,070
CHEWING GUM
Jacob M. Schantz, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 27, 1940, Serial No. 372,006
10 Claims. (Cl. 99—135)

1. Chewing gum material comprising a polybasic acid modified polyhydric alcohol ester of hydrogenated rosin.

2,251,071
STALL COCK OF MILKING MACHINES
Walter A. Scott, Poughkeepsie, N. Y., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application January 19, 1940, Serial No. 314,641
4 Claims. (Cl. 31—58)

1. A stall cock for milking machine installations comprising a body in the form of a hollow T having two ends and a branch, one of said ends being adapted for connection with a pipe line, a cap closing the other of said ends, the branch being adapted to have a hose slipped over it, a compressible packing against which said hose is adapted to make a tight joint, a check valve within the body adapted when seated to

close communication from the body to the pipe line, a lever fulcrumed within the branch and extending lengthwise thereof and having a portion so projecting through a slot in the branch that a hose slid over the branch will swing the lever on its fulcrum, and means operative to unseat the valve when the lever is so operated.

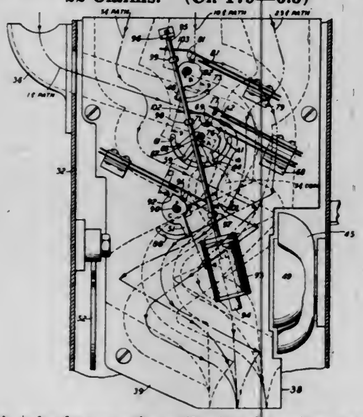


2,251,072
SEAT CONSTRUCTION
Frank M. Shanahan, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application November 8, 1937, Serial No. 173,359
4 Claims. (Cl. 155—180)



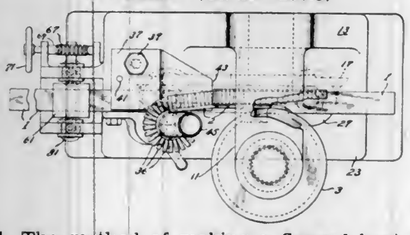
2. In a removable cushion construction for a seat, a base frame, a plurality of springs, transverse means on said frame supporting said springs, a wire forming a border at the top of said springs, a preformed cover enclosing said springs, a pair of U-shaped wires disposed in the bottom edge of said cover, the wire at the rear of the cover being disposed in a plane above the plane of the wire at the front thereof, means for securing said front wire and bottom edge of the cover inwardly of said base frame, and means for securing said wire in the rear portion of said cover to the springs interjacent their ends.

2,251,073
COIN COLLECTOR
Oscar A. Shann, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 25, 1938, Serial No. 209,883
22 Claims. (Cl. 179—6.5)



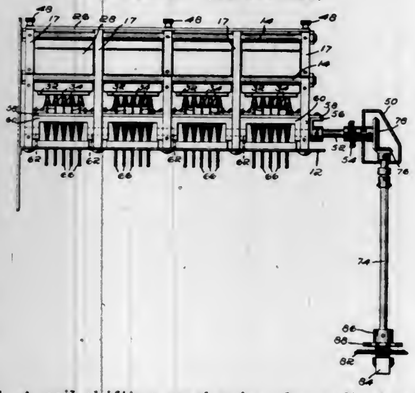
1. A telephone coin collector housing comprising a plurality of coin channels for receiving coins of different denominations, a pivoted finger projecting into one of said channels for actuation by a deposited coin traversing said one channel, a second pivoted finger projecting into a second of said channels for actuation by a coin traversing said second channel, an impulse sending device having a set of signaling contacts for transmitting code signals to the central office, a normally closed shunt circuit around said contacts for rendering said device inoperative, and means contingent upon the coin actuation of both of said fingers for opening said shunt circuit to render said device operative.

2,251,074
METHOD OF MAKING HEAT EXCHANGER FINS
Floyd J. Sibley, Detroit, Mich.
Application January 19, 1939, Serial No. 251,665
6 Claims. (Cl. 29—157.3)



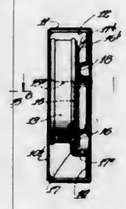
1. The method of making a flanged heat exchanger fin from a bar of ductile metal which consists in, setting a sharp edged tool slightly below and slanting into a part of the face of the bar and progressively cutting and thrusting to upset some metal to form a projection thereon, and shaving off the projection with sufficient metal from the surface to form a flanged fin having an integral junction thicker than either the fin or the flange and having a sharp outer corner and a rounded inner corner.

2,251,075
RADIO RECEIVER
Graydon Smith, Cambridge, Mass., assignor to National Company, Inc., Malden, Mass., a corporation of Massachusetts
Application July 11, 1939, Serial No. 283,854
3 Claims. (Cl. 250—40)



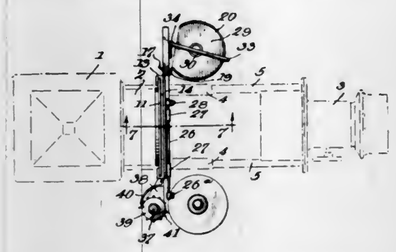
1. A coil shifting mechanism for radio receivers, comprising a supporting frame providing parallel series of pockets, means for holding a plurality of coils in said pockets with their inner ends converging to a common axis, contacts extending to the axis from the coils, circuit contacts disposed adjacent said axis, and a long bar of insulating material provided with through and through contacts and rotatable in said axis, one end of the contacts in the bar being constantly connected to said circuit contact, and the other end of the contact in the bar being arranged selectively to engage the contacts extending from the coils.

2,251,076
ROLL FILM CONTAINER
Philmore F. Sperry, Chicago, Ill.
Application May 10, 1939, Serial No. 272,891
3 Claims. (Cl. 206—52)



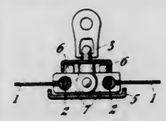
1. A combined film roll and film reel container, comprising a carton open at the top and having side, end and bottom walls, a reinforcing filler within said container in flat contact with one side wall, said filler having a snug fit between said end walls, an integral inwardly directed U-shaped projection formed on said filler toward the opposite side wall, a second inwardly directed U-shaped projection formed integral with the outer marginal portions of said first projection and projecting inwardly beyond the same towards said opposite side wall, said second projection terminating short of the opposite side wall of said carton to provide a space therebetween, as and for the purpose set forth.

2,251,077
OPTICAL PROJECTION APPARATUS
Edmund C. Stanton, Bethesda, Md.
Application August 24, 1939, Serial No. 291,775
6 Claims. (Cl. 88—28)



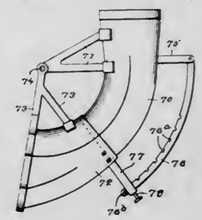
1. The combination with a projection apparatus, of a slide track, a film strip guide, a common support on which said track and guide are rigidly secured, means for mounting said support so that it may be rotated about the optical axis of the apparatus, and means whereby said support may be shifted transversely of said axis so as to selectively bring into operative position either said slide track or film guide, as desired.

2,251,078
ZIP FASTENER
Michael Stein, Vienna, Germany, assignor to the firm "Colorrip" Reissverschluss-Erzeugungs-Gesellschaft m. b. H., Vienna, Germany
Application December 2, 1938, Serial No. 243,628
In Austria December 2, 1937
3 Claims. (Cl. 24—205)



3. In a separable interlocking fastener of the class described, a pair of flexible stringer means having beaded edges, a plurality of non-metallic fastener elements, each element having an interlocking head portion and a recessed attaching portion, said attaching portions having spacing shoulders extending substantially parallel to said beaded edges, said attaching portions being slideably connected with and frictionally engaging said beaded edges for affording firm frictional engagement when said fastener is in normal working condition yet facilitating sliding displacement of said elements on said stringer means for removal and replacement of said elements.

2,251,079
TRIMMING SPOUT
Ervin B. Strom, Great Falls, and Frederick F. Lewis, Brady, Mont.
Application March 4, 1940, Serial No. 322,252
1 Claim. (Cl. 193—3)

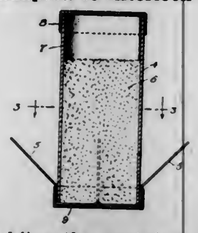


A trimming spout, comprising a straight tubular member, a second tubular member free to rotate on the first tubular member and adjustably held thereon, the outer end of the second tubular member being curved, a curved tubular member telescoping on the curved end of the second tubular member, a Y-shaped bracket having its arms secured to the straight portion of the second tubular member, a Y-shaped bracket having its arms secured to the curved telescoping member and the stems of the Y-shaped brackets pivotally connected together, and a segment pivotally connected to the straight portion of the second tubular member and having an adjustable connection with the inner end of the curved telescoping tubular member.

2,251,080
SEWER CARTRIDGE
Arthur Pratt Taber, Minneapolis, Minn.
Application February 15, 1940, Serial No. 319,179
7 Claims. (Cl. 206—0.5)

1. In a device of the character described, a non-moisture proof container, a supply of chemicals therein capable of dissolving an obstruction in a pipe when brought into engagement

therewith, and an interlocking device carried by the container adapted to interlock with the ob-



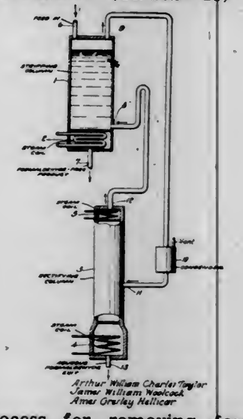
struction for holding the container near the obstruction until the supply of chemicals functions.

2,251,081

PURIFICATION OF HYDROXY-ALDEHYDES AND HYDROXY-KETONES

Arthur William Charles Taylor and James William Woolcock, Norton-on-Tees, and Ames Gresley Hellicar, Ipswich, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

Application May 23, 1939, Serial No. 275,134
In Great Britain May 23, 1938
5 Claims. (Cl. 202—48)



1. The process for removing formaldehyde from aqueous solutions of hydroxyaldehydes and hydroxyketones, which comprises passing a vaporized alcohol of not more than two carbon atoms into the said formaldehyde-containing aqueous solution of hydroxy aldehydes and hydroxy ketones, continuing the passage of the said vaporized alcohol into the said aqueous solution until substantially all of the contained formaldehyde has been evolved as a vapor together with the water present, and recovering a purified alcoholic solution of hydroxy aldehydes and hydroxy ketones which purified solution is substantially free from formaldehyde.

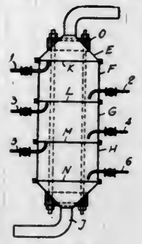
2,251,082

METHOD AND MEANS FOR THE PURIFICATION AND SEPARATION OF COLLOIDS FROM CONTAMINATING MATTER

Axel Hugo Teodor Theorell, Stockholm, Sweden

Application March 19, 1937, Serial No. 131,907
In Germany July 27, 1934
12 Claims. (Cl. 204—180)

1. A method of purification of colloids to separate the same from contaminating matter which comprises placing a solution containing said substances in the cataphoretic compartment of a cell having at least one membrane permeable to said colloid, interposing a buffer salt solution between said compartment and the electrodes of said cell, the pH of said solution cor-



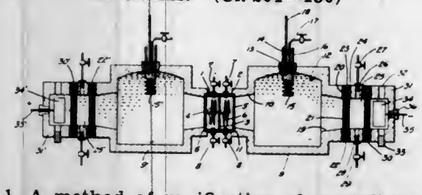
responding to that necessary to cause selective migration of said colloid, subjecting said colloid containing solution to the electric current to cause migration of said colloid through said permeable membrane, and maintaining the pH substantially constant during said treatment.

2,251,083

METHOD OF AND APPARATUS FOR SEPARATING CRYSTALLOIDS FROM ACCOMPANYING SUBSTANCES

Axel Hugo Teodor Theorell, Stockholm, Sweden

Application September 22, 1937, Serial No. 165,061
In Germany September 24, 1936
13 Claims. (Cl. 204—180)



1. A method of purification of crystalloids to separate the same from other crystalloids and mixtures of crystalloids and colloids which comprises placing a solution containing a crystalloid to be purified in the cataphoretic compartment of a cell having a permeable membrane, interposing a buffer salt solution between said compartment and the electrodes of said cell, the pH of said solution corresponding to that necessary to cause selective migration of said crystalloid, subjecting said crystalloid containing solution to the electric current to cause migration of said crystalloid through said membrane, and maintaining the pH of the system substantially constant during said treatment.

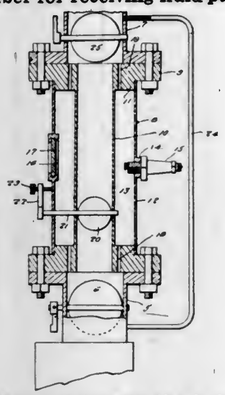
2,251,084

FUEL VAPORIZER FOR INTERNAL COMBUSTION ENGINES

Bert R. Tucker, Whiting, Ind.

Application January 6, 1939, Serial No. 249,643
2 Claims. (Cl. 48—107)

1. A heater and vaporizing device for an internal combustion engine comprising a straight inner sleeve, end plates connected with the ends of the sleeve, one plate adapted to be connected to an intake manifold of an engine and the other plate adapted to be connected to a carbureter, said sleeve forming an unobstructed passageway between the carburetor and said manifold, each plate having an annular row of holes therein surrounding an end of the sleeve, with the holes of one plate in communication with the carburetor and the holes of the other plate in communication with the manifold, a sleeve supported by the end plates and surrounding the first sleeve and forming with this first sleeve an annular chamber for receiving fluid passing through



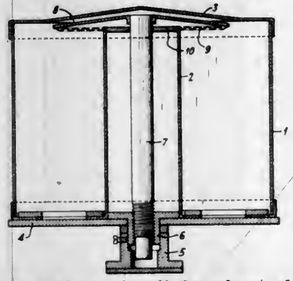
the holes of one plate with the holes of the other plate forming discharge means for the chamber, means for igniting the fuel in the annular chamber and valve means in the inner sleeve for controlling the flow of fluid therethrough.

2,251,085

SHORT ELECTROMAGNETIC WAVE OSCILLATORY CIRCUIT

Jacob Marinus Unk, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware

Application March 9, 1940, Serial No. 323,073
In the Netherlands March 23, 1939
5 Claims. (Cl. 178—44)



1. An oscillatory circuit for short electromagnetic waves comprising two or more concentric conductors interconnected electrically at at least one end, at least one of the conductors or part thereof being adapted to move axiallly relative to the remaining part of the oscillatory circuit, and a corrugated diaphragm having its corrugations located in a plane normal or substantially normal to the axial direction of said concentric conductors interconnecting electrically the parts adapted to move relative to one another.

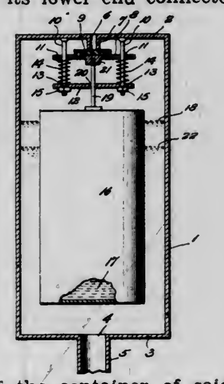
2,251,086

VALVE

Sidney D. Van Dyke, Asbury Park, N J., and William T. Plum, Arivaca, Ariz.

Application April 7, 1938, Serial No. 200,734
1 Claim. (Cl. 137—69)

In a valve structure, a main casing having upper and lower heads, the lower head being formed with an inlet neck, a grid for said neck, a weight in said casing consisting of a hollow container and weight-imparting material therein of a specific gravity substantially corresponding to that of water, a guide extending from the container through said grid, a cylindrical auxiliary casing detachably connected with the upper head and defining a valve chamber having an outlet port at its upper end, an opening being formed through the upper head and establishing communication between the main casing and the valve chamber, a stem extending through said opening with its lower end connected with the



upper end of the container of said weight, a closure member at the upper end of said stem shiftable vertically in said valve housing, a sealing disk carried by said closure member, and a compression spring in said valve chamber about the stem having its upper end engaging the closure member for shifting the closure member upwardly to close said outlet port when the action of said weight is overcome by water rising to a predetermined level in the casing.

2,251,087

SPEED REGULATOR

James Vincent, North Bergen, N. J.

Application August 7, 1940, Serial No. 351,655
7 Claims. (Cl. 74—526)



1. A speed regulator for automobiles in combination with an accelerator pedal and accelerator rod, a telescoping pair of slotted, tubular members adapted to be removably mounted on said rod so that the rod may extend loosely therethrough for limiting the downward movement of said pedal and rod, means for adjusting said tubular members in different positions in respect to each other and means for locking said members against movement in respect to each other.

2,251,088

PROCESS FOR THE PRODUCTION OF ALLOYS CONTAINING BERYLLIUM

Helmut von Zeppelin, Bitterfeld, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application August 9, 1939, Serial No. 289,177. In Germany August 26, 1937
2 Claims. (Cl. 75—135)

1. A process for the production of beryllium containing alloys, in which a suspension of beryllium metal in a fused non-metallic reaction residue, obtained by reaction of a beryllium halide

compound with a reducing metal, is poured on to the molten base metal of the alloy to be produced.

2,251,089

PROCESS FOR THE PRODUCTION OF ALLOYS CONTAINING BERYLLIUM

Helmut von Zeppelin, Bitterfeld, Germany

No Drawing. Original application August 9, 1939, Serial No. 289,177. Divided and this application April 19, 1941, Serial No. 389,416. In Germany June 5, 1939

2 Claims. (Cl. 75—135)

1. A process for the production of beryllium containing alloys, in which a solidified mixture obtained by reacting a beryllium halide compound with a reducing metal, and comprising metallic beryllium and the corresponding halide compound of the reducing metal, is mixed with the base metal of the alloy to be produced in comminuted form, and the mixture is heated up to a temperature sufficient to cause formation of the alloy.

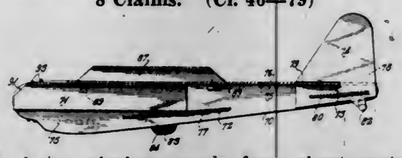
2,251,090

TOY AIRPLANE

Joe H. West, Tulsa, Okla.

Application July 12, 1939, Serial No. 284,085

8 Claims. (Cl. 46—79)



1. A toy airplane made from sheet material folded to form a fuselage, a wing extending therefrom, the front end of the fuselage being formed by a portion of the sheet material which extends under the wing, said portion being adapted to engage lugs on the lower part of the fuselage that extend through the wing, thus locking the wing in place on the fuselage and locking the fuselage in assembled relation.

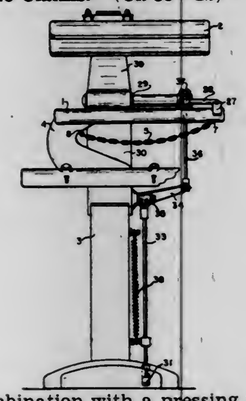
2,251,091

MEANS FOR SMOOTHING SLEEVED ARTICLES ON PRESSING TABLES AND THE LIKE

Floyd A. Wiegman, Chicago, Ill., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York

Application March 7, 1939, Serial No. 260,350

18 Claims. (Cl. 38—12)



1. The combination with a pressing table supported at one end so that the greater portion of the table overhangs for permitting an article to be ironed to be sleeved over said table, and means located beneath the overhanging portion of the table for entering the article when being sleeved thereon and conforming to said article to take up the slack in the portion of the article hanging from the table and to smooth the portion on the table, said means comprising a flexible member suspended at its ends from opposite ends of the table on the under side thereof and a series of weights strung on said member along the length thereof.

2,251,092

WIRE DRAWING LUBRICANT AND METHOD OF PRODUCING THE SAME

Robert C. Williams, Columbus, Ohio, assignor to The Ironsides Company, Columbus, Ohio, a corporation of Ohio

No Drawing. Application January 25, 1938, Serial No. 186,864

10 Claims. (Cl. 252—25)

5. A wire or rod drawing substantially dry, water-repellent lubricant comprising a finely subdivided hydrated lime having a higher fatty acid adsorbed over the full surface area of the lime particles.

2,251,093

METAL FORMING AND DRAWING LUBRICANT AND METHOD OF PRODUCING THE SAME

Robert C. Williams, Columbus, Ohio, assignor to The Ironsides Company, Columbus, Ohio, a corporation of Ohio

No Drawing. Application March 21, 1938, Serial No. 197,202

8 Claims. (Cl. 252—18)

2. A metal forming and wire drawing lubricant in a dry comminuted form composed of an intimate mixture of a finely divided grit-free base material of the class consisting of hydrated lime, calcium carbonate, barium sulphate, clay and bentonite and composed of a multitude of small solid particles, and a soap distributed uniformly over the surface of the individual particles of said material by means of a solvent solution of the soap from which the solvent subsequently is removed from the mixture.

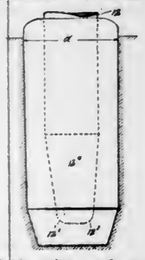
2,251,094

SHELL BODY AND METHOD OF MAKING THE SAME

Claude A. Witter, Philadelphia, Pa.

Application January 5, 1940, Serial No. 312,499

7 Claims. (Cl. 29—1.21)



1. In the fabrication of a closed-end hollow shell body from a solid slug of length appreciably less than that of the finished shell body, the method which includes piercing the slug to form a hollow blank of length appreciably less than that of the finished shell body, and cross-rolling the blank with diagonal rolls to extend the hollow blank to the length of shell body desired.

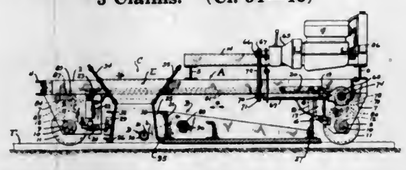
2,251,095

VIBRATORY CONCRETE LAYING AND FINISHING MACHINE

Clyde W. Wood, Los Angeles, Calif.

Application July 19, 1939, Serial No. 285,316

3 Claims. (Cl. 94—46)



1. In a machine of the character described a hopper for the reception of concrete and having a discharge opening at its lower end for distribution and deposition of concrete, an end wall at each end of the hopper, each wall having an opening formed therein, a tube extending through the hopper and the openings formed in the end walls, a rubber plate secured at its peripheral edge to each end wall, each plate having an opening formed therein concentric with the first named opening, said openings in the rubber plates receiving and supporting the tube and said rubber plates forming a resilient support for the tube, and a power driven vibratory element within the tube.

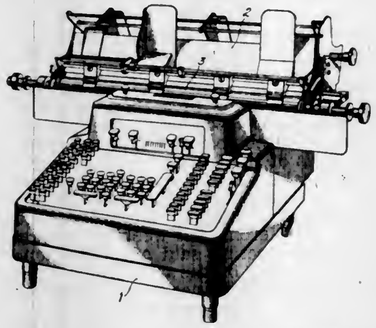
2,251,096

CARRIAGE RETURN MECHANISM FOR ACCOUNTING MACHINES

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 25, 1937, Serial No. 150,368

1 Claim. (Cl. 197—66)



In a machine of the class described having a traveling paper carriage, means including a source of power to return the carriage at the end of its working stroke, means to couple the source of power with the carriage, and a toothed rail on the carriage, the combination of devices on the rail to operate the coupling means, a detent on one of the devices, the devices being adjustable along the rail and being held in their adjusted positions by the detent engaging the teeth on the rail, and a connecting strip slidably mounted on the rail and embracing said devices, to insure uniform and simultaneous movement of the devices.

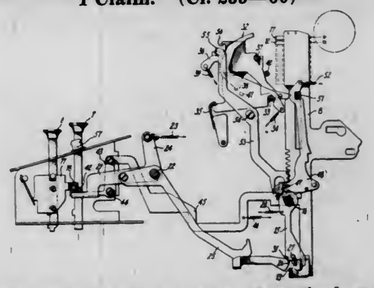
2,251,097

ACCOUNTING MACHINE

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 29, 1938, Serial No. 216,462

1 Claim. (Cl. 235—60)



In a machine of the class described, a total key, a sub-total key, a movable symbol type bar, connections from one of the total keys for controlling the extent of movement of the bar, means to print from the type bar, a latch to render the printing means ineffective, a mechanism moved to a predetermined position only after the machine has executed a blank cycle, connections from the mechanism to the total and sub-total keys to prevent such movement unless one of the total keys is depressed, and a connection between the latch and the said mechanism to render the latch ineffective upon movement of the said mechanism.

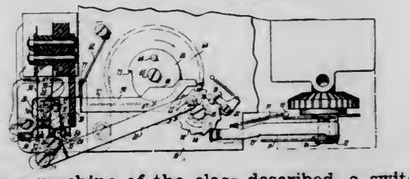
2,251,098

MOTOR CONTROL FOR BUSINESS MACHINES

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 29, 1938, Serial No. 216,466

1 Claim. (Cl. 200—6)



In a machine of the class described, a switch mechanism having two sets of outer contacts, movable center contacts cooperating with the outer contacts, means for shifting the center contacts between the sets of outer contacts, and means operated by a part of the shifting means for removing one of the sets of outer contacts from cooperation with the center contacts.

2,251,099

SYMBOL PRINTING MECHANISM FOR ACCOUNTING MACHINES

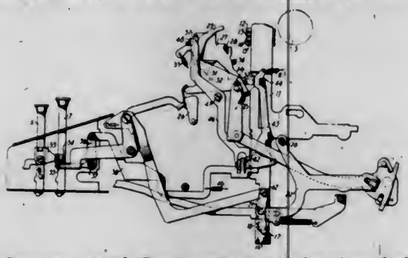
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 29, 1939, Serial No. 281,775

1 Claim. (Cl. 235—60)

In a machine of the class described having a differentially adjustable symbol printing type bar carrying a series of type, the combination of means operating in accordance with the character of the machine operation being performed,

for determining the position to which the type bar is to be adjusted, said means comprising a lever having a series of stop shoulders for cooperation with said type bar and being connected at one point to certain machine function control mechanism, and being connected at another point to certain other machine function control



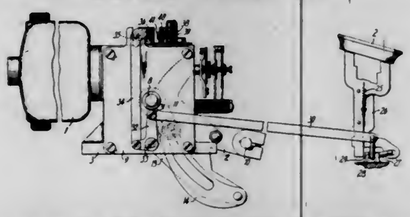
mechanism, said first control mechanism being operable to shift the lever to one predetermined position, said second control mechanism being operable to shift the lever to a second predetermined position, and said first and second control mechanisms being jointly operable to shift said lever to a third predetermined position.

2,251,100

MOTOR CONTROL FOR COMPUTING MACHINES

Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application June 29, 1939, Serial No. 281,777
3 Claims. (Cl. 192—.02)



1. A motor drive for computing machines comprising a driving and a driven element, clutch means operable to engage the driving element with the driven element, a motor circuit having a pair of switch contacts interposed therein, the contacts having means connected thereto tending normally to close the circuit, a control lever therefor, a stop for disengaging the clutch at the end of a single revolution, and means on the clutch cooperating with the lever for opening the motor contacts at the moment the clutch is disengaged.

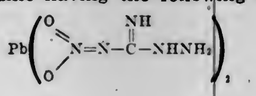
2,251,101

LEAD NITROAMINOGUANIDINE AND A PROCESS OF MAKING IT

Kenneth D. Ashley, Darien, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 7, 1939, Serial No. 303,300
3 Claims. (Cl. 260—435)

3. The lead salt of the pseudo acid of nitroaminoguanidine having the following formula—

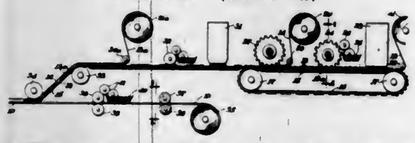


2,251,102

METHOD OF AND APPARATUS FOR PACKAGING MATCHES

Fritz Atterberg, New York, N. Y.

Application February 2, 1939, Serial No. 254,152
5 Claims. (Cl. 93—2)



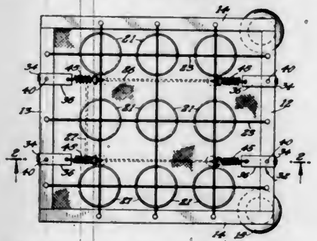
1. The method of forming match packages which comprises arranging matches in spaced relation on a strip of paper or the like, placing a second strip of paper or the like over said matches, corrugating and joining said second strip to said first strip between successive matches, arranging additional matches on said corrugated strip in the empty pockets thereof, placing a third strip over said corrugated strip and connecting it to said second strip between the matches lying thereon.

2,251,103

UPHOLSTERY CONSTRUCTION

Albert M. Bank, Jersey City, N. J., assignor to Sylvia Bank, Jersey City, N. J.

Application June 27, 1938, Serial No. 216,081
10 Claims. (Cl. 155—179)



1. In upholstery construction, a frame having front, rear and side walls, a one piece flexible webbing attached at the margin thereof to the underedges of said frame walls, foundation springs on said webbing, and means for supporting said webbing comprising three sided U-shaped member made of a single piece of wire and having parallel portions contacting the underside of the webbing and disposed parallel to the side walls of the frame, and a portion interconnecting said parallel portions and disposed parallel to the rear wall of the frame, said parallel portions having upwardly extending offset portions piercing the webbing, and resilient means interconnecting said offset portions with the upper portions of the rear frame walls, and disposed in parallel planes passing through said parallel portions, and perpendicular to said interconnecting portion, and means to connect the free ends of said parallel portions to the front wall.

2,251,104

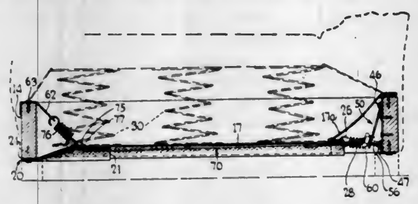
UPHOLSTERY CONSTRUCTION

Albert M. Bank, Jersey City, N. J., assignor to Sylvia Bank, Jersey City, N. J.

Application April 3, 1940, Serial No. 327,599
6 Claims. (Cl. 155—179)

2. In upholstery construction, a frame, webbing attached to the underside of the frame, a bracket attached to a wall of the frame, and having a portion contacting the inner surface of

said wall, and portions contacting the upper and lower edges of said wall, the portion which contacts the inner surface of the wall being formed with upper and lower offsets, a plate having a slot through which the upper offset passes, the lower offset being formed with an opening, a screw having a shank passing through the opening in the lower offset, said screw having a head within said offset, said plate being formed with an opening adjacent its lower edge through which the shank of the screw passes, a nut on said



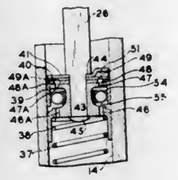
shank, said plate being formed with a pair of notches at the opposite edges thereof, a member made of a single piece of wire having arms, and a portion interconnecting adjacent ends of said arms, and contacting the inner surface of said plate, portions of said arms passing through said notches, said arms contacting the underside of said webbing, and being formed with upwardly offset portions extending through openings in said webbing, and spring means to interconnect the offset portions on said arms with an opposite wall of said frame.

2,251,105

ACCELERATING DEVICE

Russell G. Berry, Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application May 3, 1939, Serial No. 271,518
1 Claim. (Cl. 103—203)



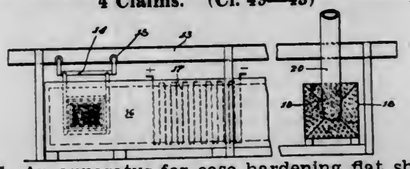
For use in an accelerating device, a plunger and shaft assembly comprising a flat stamped metal strip having a shoulder formed near one end by a reduction in width and having a perforation near the opposite end to receive a link pin, a composite plunger comprising a generally cylindrical guide member, a cup shaped pliable sealing member, a flexible retaining washer and a rigid retaining washer, said plunger members all having non-circular, central perforations for slip-fit assembly on the reduced end of said stamped strip in an order reversely as recited, said guide member, said pliable sealing member and said flexible retaining member having two additional diametrically opposite perforations similarly located with respect to said central non-circular perforation so as to form continuous passageways when said members are assembled, said rigid retaining washer having a radial groove extending to its outer edge and located so as to register with one of said passageways when assembled.

2,251,106

APPARATUS FOR CASEHARDENING GLASS SHEETS

Lloyd V. Black and Gerald Z. Minton, Tarentum, Pa., assignors to Pittsburgh Plate Glass Company, a corporation of Pennsylvania

Application May 18, 1938, Serial No. 208,622
4 Claims. (Cl. 49—45)



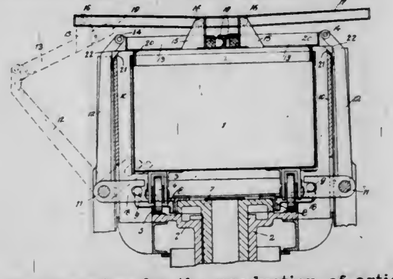
1. An apparatus for case hardening flat sheet comprising gripping means for engaging the upper edge of the sheet and suspending it in a substantially vertical plane, a pair of metallic screens disposed substantially vertically and engageable against opposite sides of the glass sheet to hold the latter against distortion during the application of heat and chilling air thereon, and means vertically and horizontally tensioning each screen to hold it in a vertical plane against the glass sheet surface.

2,251,107

COVER OR CLOSURE MEANS FOR LIFTABLE AND LOWERABLE IMMERSION BATHS

Albert Boecler, Berlin, and Kurt Bratring, Dahlem, Berlin, Germany, assignors, by mesne assignments, to Neocell Products Corporation, a corporation of Delaware

Application July 9, 1938, Serial No. 218,324
6 Claims. (Cl. 18—24)



1. In apparatus for the production of articles of plastic composition by immersion of molds in a bath, the combination which comprises a vertically movable tank, a tightly fitting cover for said tank, a substantially horizontal guideway for said cover, a rocker arm pivotally attached to said cover, disposed to withdraw said cover laterally along said guideway when rocked, and arranged to be actuated by engagement of a member therewith, and means for lifting said tank vertically, said means being provided with a member disposed to engage and actuate said rocker arm.

2,251,108

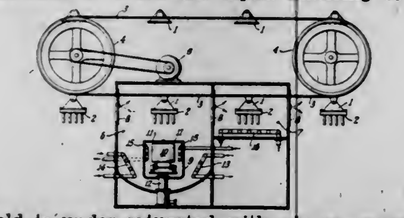
METHOD OF PRODUCING SEAMLESS HOLLOW BODIES

Kurt Bratring, Dahlem, Berlin, Germany, assignor to Neocell Products Corporation, a corporation of Delaware

Application October 12, 1938, Serial No. 234,620
In Germany June 18, 1938
8 Claims. (Cl. 18—58)

1. The method of reducing the tendency to the existence of bubbles in an article produced by a process of dipping molds in a bath containing air in solution which consists in maintaining for

a period of time after the dipping operation a condition in which the liquid adhering to the



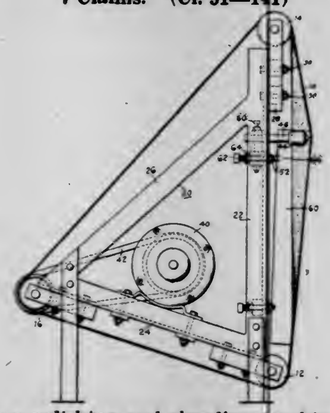
mold is under-saturated with air as compared with the saturation condition of the liquid in the bath.

2,251,109
METHOD OF PRODUCING HIGHLY LUSTROUS HOLLOW BODIES FROM ACETYL CELLULOSE AND LIKE PLASTIC SUBSTANCES
Kurt Bratring, Dahlem, Berlin, Germany, assignor to Neocell Products Corporation
Application January 19, 1939, Serial No. 251,838
In Germany May 7, 1936
4 Claims. (Cl. 18—58)



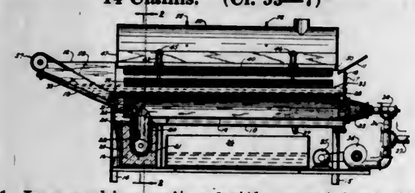
1. A method of producing a highly lustrous hollow body from cellulose esters or cellulose ethers, which consists in dipping a rigid polished mold in a solution of such cellulose derivatives, drying, and then subjecting the mold with formed article in place upon it to moist heat at a temperature above 45° C. and below 60° C., until the article has slightly swelled, and removing the article from the mold.

2,251,110
ABRADING MACHINE
Elvin M. Bright, Dayton, Ohio
Application August 25, 1939, Serial No. 291,868
7 Claims. (Cl. 51—141)



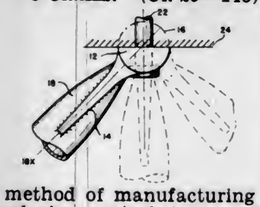
1. In a polishing and abrading machine utilizing a continuous length abrasive belt passed over at least a pair of pulleys arranged in spaced relation from each other, the combination of a frame with a belt supporting member mounted to the rear of the belt, said belt supporting member having an abruptly curved surface adjacent one end thereof, said curved surface merging into a pair of parallel sides adapted to project into and snugly nestled in a fold of the belt, the sides of said support diverging so as to terminate in a substantially flat surface engaging the back of the belt in unfolded relationship, and a pair of rollers one on each side of said parallel sides to hold the sides of the belt in contact with the parallel sides of the support.

2,251,111
FOOD COOKING APPARATUS
Lorenzo C. Brown, Oklahoma City, Okla.
Application December 18, 1939, Serial No. 309,818
14 Claims. (Cl. 53—7)



1. In a cooking unit, a kettle or vat for holding cooking liquid and food stuffs; means for progressively moving food through liquid in said kettle from one of its ends to the other; a heat tube or flue positioned longitudinally within the kettle below the practical liquid level line thereof, one end of said tube passing through and rigidly attached to one wall of said kettle, said wall adapted to bend inward and outward to accommodate the longitudinal expansion and contraction of said tube, the opposite end of said tube being closed; and means for interiorly heating said tube throughout its length.

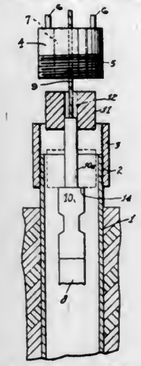
2,251,112
UNIVERSAL ATTACHMENT FITTING
Arthur G. Butler, Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application February 7, 1939, Serial No. 255,021
5 Claims. (Cl. 29—148)



1. The method of manufacturing a strut end fitting employing a stock blank having a solid cylindrical body portion and a projecting fin, which comprises the attaching of a strut to said fin in an angular relationship to said body, the trimming off of excess portions of said fin and the machining of a plane face on the surface of said body at a desired angle to the plane of said fin.

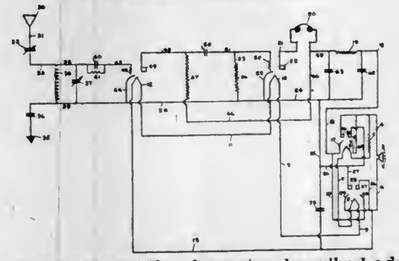
2,251,113
DEVICE FOR PULLING PIPES OR WELL CASINGS
Robert E. Chapman, Oakdale, Mass., assignor to R. E. Chapman Company, Oakdale, Mass., a corporation of Massachusetts
Application December 29, 1939, Serial No. 311,504
4 Claims. (Cl. 255—27)

1. A device for pulling pipe or well casing, comprising in combination, a casing within the ground, a string of drilling tools movable axially within said casing by a cable, a member secured to the upper end of the casing, having an opening through which the tools can pass, and a second member capable of being freely mounted on the



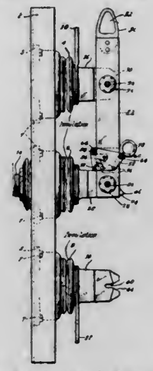
upper end of the string of tools, without withdrawal of said tools from said casing and having an outside diameter greater than the opening in said first-named member, whereby said members come into contact on the upstroke of the tools to impart a pull to said casing.

2,251,114
ELECTRONIC CIRCUITS
Harry G. Cisin, Brooklyn, N. Y.
Application April 26, 1938, Serial No. 204,359
12 Claims. (Cl. 250—27)



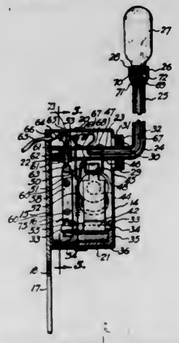
1. In a device of the character described adapted to be operated from either a direct or an alternating current source, a circuit from said source having therein in series a translating device including therein an anode, a cathode, and a heater, a filter, and means affording two constantly closed paths through which current may alternatively flow, including a thermionic rectifying unit, and two branch lines adapted to be connected respectively with the terminals of said source, whereby a uni-directional current of positive polarity is impressed upon said filter and the anode of said translating device, irrespective of whether said branch lines are connected with an alternating or a direct current source, and irrespective of the polarity of such connection, a heater for said rectifying unit, conductors connecting the heaters in said rectifying unit and in said translating device across said branch lines, and a return line isolated from said last named heater circuit, having a connection with the cathode in said translating device and being of uniform potential from said cathode connection to the source, whereby the heater and the cathode in said translating device are at different potentials.

2,251,115
DISCONNECTING SWITCH
Herbert J. Crabbs, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1939, Serial No. 280,691
19 Claims. (Cl. 200—169)



1. In a stop attachment for an electric switch blade, separate spaced opposed securing members for securing a switch blade therebetween, means carried by said members for securing the members in operative relation to a switch blade, said means positioned to lie without the confines of said blade, positioning means on at least one of said members adapted to engage the blade to positively position the stop relative to the blade, and stop means carried by said members.

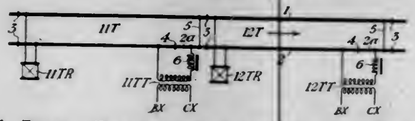
2,251,116
WIGWAG SIGNAL
Lodovico Cristofoli, Kansas City, Mo., assignor of fifteen per cent to Marshall H. Page, Kansas City, Mo.
Application October 27, 1938, Serial No. 237,271
5 Claims. (Cl. 172—126)



1. In a signal of the character described, a pivotally mounted arm, and means for oscillating said arm comprising a pair of electro-magnets, a pivoted armature mounted between said electro-magnets, means operatively connecting said armature and said arm, and means for alternately energizing said electro-magnets, comprising a flexible member, a pair of contact strips mounted on said flexible member, an insulating strip on said flexible member interposed therebetween and a cam-like contact member mounted to oscillate with said arm in fixed path and alternately engaging each of said contact strips, each of said

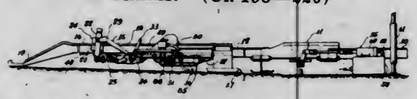
contact strips being connected with one of said electro-magnets, and said arm having resilient means tending to hold said cam-like member in engagement alternately with said contact strips.

2,251,117
RAILWAY SIGNALING SYSTEM
Ralph K. Crooks, Sharpsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 30, 1939, Serial No. 311,891
5 Claims. (Cl. 246—34)



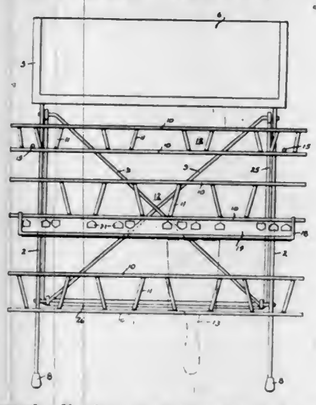
1. In a railway signaling system, in combination, a stretch of railway track having a first and a second track rail, each track rail having insulated joints therein to divide the track stretch into a plurality of successive track sections, the first rail of one of said sections having an insulated joint therein adjacent one end of said section to provide a short rail portion which is insulated from the remainder of the first rail of said section and from the first rail of the adjoining section, a connection between said short rail portion and the second rail of said section to thereby provide at said end of said one track section means operative on breaking down of the insulated joints between said one section and the adjoining section to establish a shunt connection between the rails of the adjoining section to thereby prevent objectionable feeding of energy between the rails of the adjoining section and the rails of said one section, said one track section having disposed adjacent one end thereof a current supply device and having disposed adjacent the other end thereof an electroresponsive device, the device at the end of the section at which the short rail portion is located having one of its terminals connected to the short rail portion and thereby to the second rail of said one section and having its other terminal connected to the first rail of said one section, the device at the other end of said one section having one of its terminals connected to the first rail and the other of its terminals connected to the second rail of said section, whereby the supply device associated with a track section normally supplies energy to the electroresponsive device of the said section over the track rails of the section.

2,251,118
FEEDING MECHANISM FOR SHAKER OR JIGGING CONVEYERS
Loyal F. Crawford, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 3, 1938, Serial No. 232,919
18 Claims. (Cl. 198—220)



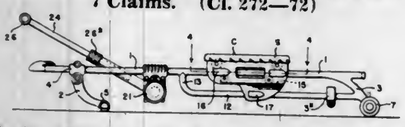
1. In a shaker conveyer and in combination with an extensible trough section, means for extending said extensible trough section, and other means actuated by movement of the conveyer adapted to prevent backward slipping movement of said extensible trough section and selectively operable to positively feed said extensible trough section along ascending grades including a fluid pressure cylinder and piston and an interengaging connection between said piston and said extensible trough section.

2,251,119
BRUSH DISPLAY AND STORAGE RACK
Kent D. Currie, Baltimore, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 9, 1940, Serial No. 323,213
3 Claims. (Cl. 211—65)



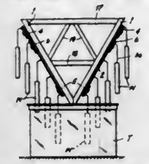
1. A brush display and storage rack comprising a generally upright wire frame, diagonal braces therefor, vertically spaced pairs of horizontal wires secured to the frame, wire members substantially of U-shape secured in pairs by their open ends between the pairs of horizontal wires and arranged with the lower arms of each pair closer together than the upper arms in converging relation to form brush supporting cradles, and means for supporting the rack substantially in vertical position.

2,251,120
EXERCISING MACHINE
Ernest Davis, Syracuse, N. Y.
Application May 28, 1940, Serial No. 337,669
7 Claims. (Cl. 272—72)



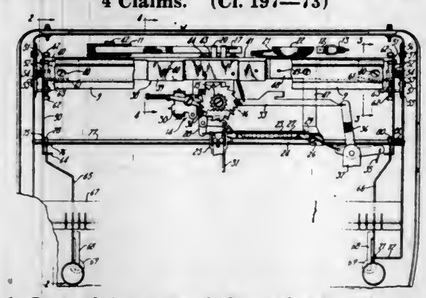
2. An exercising machine comprising a frame including a single lengthwise horizontal rail constituting a backbone, legs at the opposite ends of the rail for supporting the same, a seat movable along the rail and having bearings running on the rail, and seat guiding means supported by the rail below and in the vertical plane of the same for coacting with the seat to prevent the same from turning laterally about the rail, a resistor supported by the rail in front of the seat, the resistor including a horizontally extending shaft, an operating member located at one side of the backbone rail and having a handle extending crosswise of the plane of the rail, the operating member being coupled to said shaft, and foot rests supported from the rail, the resistor being carried by the rail between the foot rests and the seat.

2,251,121
CONVEYER
Burton G. Daw, Webster Groves, Mo.
Application May 18, 1940, Serial No. 335,925
4 Claims. (Cl. 214—17)



3. A conveyer of the character described having a horizontally extending frame mounted above a series of tanks, a set of sprockets supported on each side of the frame, each set arranged in an overhanging plane, the two planes being oppositely disposed and converging toward the bottom of the frame, endless chains mounted on the sprockets in the planes respectively, the sprockets being arranged to provide differing directional reaches of the chains, and laterally extending supports on the chains adapted to carry articles to be conveyed.

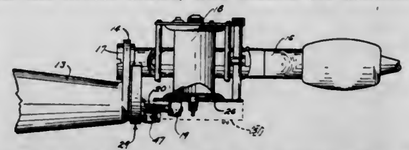
2,251,122
TYPEWRITING MACHINE
William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 26, 1939, Serial No. 301,443
4 Claims. (Cl. 197—73)



1. In a platen case-shift mechanism for typewriting machines having a main frame, a platen carriage, and a trackway including rails mounting said carriage for line typing movement; a massive elongate bar underlying and reinforcing one of said rails, said bar presenting end faces, means for mounting and actuating said bar for pivotal case-shift movement of the platen carriage on the main frame, including plate-like arms each secured flatwise to an end face of said bar and having a pivot pin journaled in the main frame, and manually operable case-shift levers each pivoted intermediate its ends on the main frame and each having an arm projecting rearwardly from its pivot, said plate-like arms each extending forwardly from said bar and being articulated to the arm of the corresponding case-shift lever.

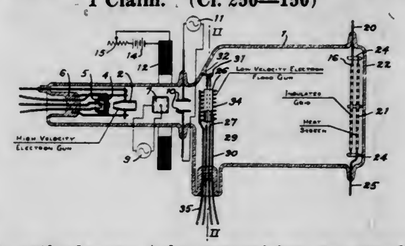
2,251,123
MOTOR DRIVEN FISHING REEL
Thomas C. Fanshier, Oklahoma City, Okla.
Application April 17, 1939, Serial No. 268,299
5 Claims. (Cl. 43—21)

1. A power drive for the reel spool of a fishing rod and reel comprising: an electric motor mounted on the rod in proximity to the reel; a friction facing concentrically fixed on one end of the reel spool; a driver mounted to rotate with the motor shaft; and means for selectively



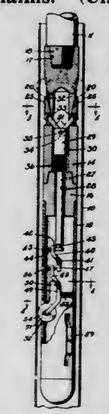
effecting engagement of the driver with said friction facing for rotating the spool.

2,251,124
CATHODE RAY AMPLIFYING TUBE
Philo T. Farnsworth, San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application August 10, 1935, Serial No. 35,596
1 Claim. (Cl. 250—150)



A cathode ray tube comprising an envelope containing a luminescent screen defining a picture area, an apertured grid adjacent and parallel to said screen, an electron gun including a cathode of relatively small area and a co-operating anode having a relatively small aperture therein, co-operating to define an electron beam of elemental cross-section directed at said picture area, and additional electron sources including a cathode having an extended area positioned on each side of said beam between said first electron gun and said screen, and an open mesh accelerating electrode surrounding each of said electrodes.

2,251,125
SAFETY DEVICE
Charles J. Gardner, Bakersfield, Calif., assignor of one-half to Aram Peter Ohanneson, Shafter, Calif.
Application January 2, 1940, Serial No. 312,002
10 Claims. (Cl. 255—28)



1. A safety device adapted for passage through

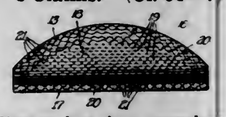
a string of pipe in a well comprising, anchoring means engageable with the pipe, means normally holding said anchoring means out of engagement with the pipe, spring means engaging the sides of the pipe operative upon passage past the point where said pipe is circumferentially incomplete for actuating said holding means to release said anchoring means for engagement with said pipe, said spring means comprising a plurality of means engaging said pipe at different circumferential points thereof, one of said spring means being operatively connected to the releasing means, whereby movement of any of said spring means beyond the normal wall of the pipe will release said anchoring means for engagement with said pipe.

2,251,126

MOLDED COMPOSITION SLIPPER BEARING

Thomas L. Gatke, Oak Park, Ill.

Application July 31, 1940, Serial No. 348,807
3 Claims. (Cl. 64—7)



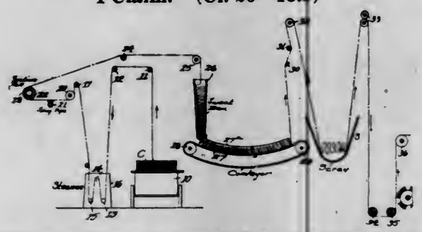
1. In a slipper bearing member of crescent-shaped cross section having a curved outer surface and a flat inner surface, a laminated core consisting of a plurality of flat woven fabric strips which are arranged in a stack parallel to the flat inner surface of the member, and a laminated envelope about the core consisting of other woven fabric strips which follow the contour of the outer and inner surfaces of the member, all of said strips in the core and envelope being molded together into a solid unit.

2,251,127

PROCESS OF SHRINKING AND DRYING CLOTH

David Gessner, Worcester, Mass.

Application September 12, 1938, Serial No. 229,498
1 Claim. (Cl. 26—18.5)



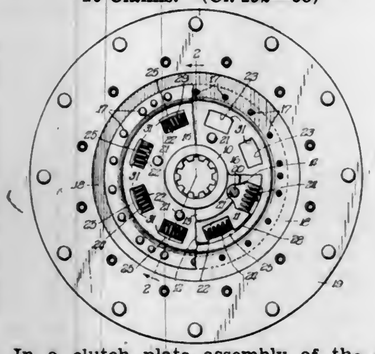
The continuous process of final shrinking and finishing of woolen and worsted fabrics which comprises moistening the fabric, drawing the moisture into the fabric and leaving a predetermined and substantial amount of moisture therein, subjecting the moistened fabric to a sweating operation for a predetermined and substantial period of time, subjecting the sweated fabric to an ironing and drying operation, and determining the amount of moisture drawn into the fabric before sweating at such an amount that said fabric, at the moment of delivery from the ironing and drying operation, will have substantially the normal moisture content that such fabric would otherwise have after subsequent and substantially prolonged exposure to ordinary atmospheric conditions as to temperature and humidity.

2,251,128

CLUTCH PLATE

George I. Goodwin, Detroit, Mich.

Application January 25, 1940, Serial No. 315,562
10 Claims. (Cl. 192—68)



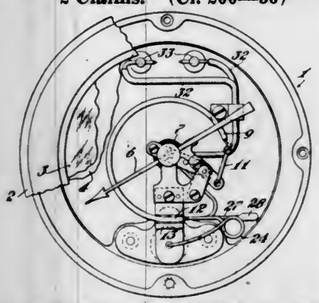
1. In a clutch plate assembly of the spring center type, relatively rotatable inner and outer portions, one of said portions having a flange and the other of said portions having side plates at opposite sides of the flange, said flange and side plates being provided with normally registering spring openings, spring means positioned in the openings for yieldingly permitting relative rotation between the flange and the side plates through a small arc, and separate retainers disposed radially outward of the spring means for preventing displacement of the latter.

2,251,129

INDICATING INSTRUMENT

Elmer H. Hammond, Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application August 3, 1940, Serial No. 350,613
2 Claims. (Cl. 200—56)



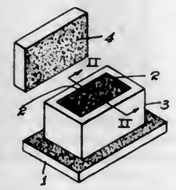
1. An indicating thermostat or pressurestat comprising a case of substantially conventional type having integrally joined side and rear walls and which houses an index, a dial and pressure motor means for moving the index, the rear wall of the case having an aperture therein, switch means and a switch-actuating pressure motor secured to the exterior surface of the rear wall of the case so as to be accessible without disturbance of the dial or index, a fluid-containing bulb outside of the case, a conduit leading from said bulb to the index-actuating motor, a second conduit leading from the latter motor out through the aperture in the rear wall of the case to the switch-actuating motor, binding posts fixed to the rear wall of the case and accessible from the exterior of the case, and electrical conduits secured to the inner ends of said posts within the case and extending out through said aperture in the rear wall of the case to the switch terminals.

2,251,130

COATING COMPOSITION FOR MOLDS, ETC.

Elmer H. Haux, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application May 17, 1938, Serial No. 208,394
2 Claims. (Cl. 49—65)



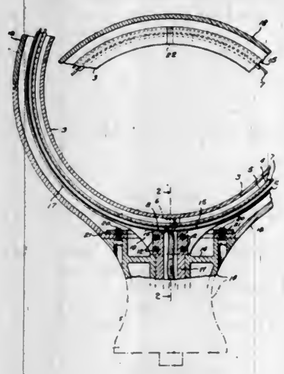
2. A glass forming mold comprising inner walls of refractory material for containing melted glass to be molded therein, the inner wall sides having painted thereon a coating applied in the form of an aqueous suspension which when dry is non-adherent to melted and molded glass and containing approximately 2% to 50% by weight of yellow ocher.

2,251,131

RADIO COMPASS LOOP CONSTRUCTION

Frederick D. Herbert, Jr., Cedar Grove, N. J., assignor to Kearfott Engineering Co., Inc., a corporation of New York

Application August 24, 1939, Serial No. 291,702
4 Claims. (Cl. 250—33)



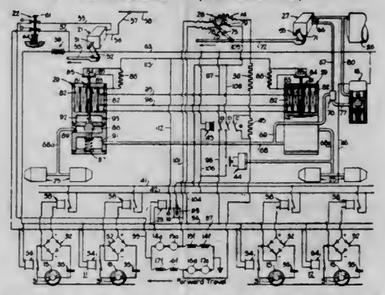
4. A radio compass loop mounting comprising a circular frame of channel shape in cross section, the said frame having a section removed therefrom, circumferential shoulders on the interior side walls of said frame, a strip of insulating material secured on said shoulders, a conducting wire wound on the outer surface of said strip, circumferential cover strips secured to the frame outside the said strip, insulating means extending across the removed section of said frame, and a hollow base secured to said frame adapted to form a support therefor and to form a passageway for the ends of said conducting wire.

2,251,132

BRAKE CONTROL MEANS

Claude M. Hines, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application April 26, 1940, Serial No. 331,739
21 Claims. (Cl. 303—3)



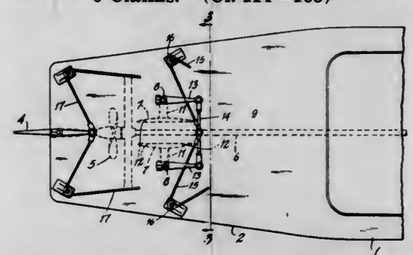
1. Vehicle wheel brake apparatus comprising, in combination, dynamic brake means associated with a vehicle wheel, means for varying the degree of braking effect produced by the dynamic brake means, and means operatively responsive to the rate of change of speed of said wheel for controlling the last said means.

2,251,133

FLANKING RUDDER

Herbert H. Horstman, Alton, Ill.

Application January 20, 1939, Serial No. 251,905
9 Claims. (Cl. 114—163)



1. In combination with the propeller of a tow boat having an over-hanging stern, a pair of steering posts mounted in and projecting below the bottom of the stern forward of said propeller, a pair of flanking rudders mounted, respectively, on said steering posts and off-set therefrom inwardly to lie normally in parallel relation in the slip stream produced in operation by the propeller, and means for simultaneously turning said flanking rudders on their axes in either direction.

2,251,134

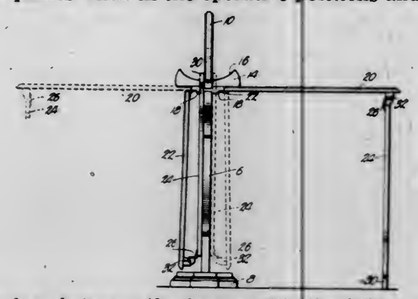
FOLDING TABLE

Harry J. Hunt, Kansas City, Mo., assignor of one-half to Matthew Orr, Kansas City, Mo.

Application July 1, 1940, Serial No. 343,357
3 Claims. (Cl. 311—60)

1. A folding table or the like comprising a standard; a wing extending laterally from each of two opposite sides of the standard near the upper end thereof; a leaf hingedly connected at one end to each wing respectively whereby the leaves may be moved to and from substantially vertical positions beside the pedestal; and a leg provided with a bifurcated end hingedly mounted on each leaf respectively, said legs being in a

place to support the respective leaves in horizontal planes when in the operative positions and in



a place between the leaves with the bifurcated ends straddling the said wings when the table is in the folded condition.

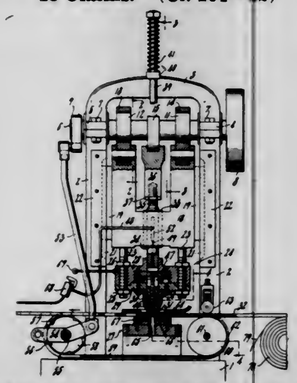
2,251,135

METHOD AND APPARATUS FOR FORMING WASHERS AND THE LIKE

Alfred N. Iknayan and Ralph G. Null, Indianapolis, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application May 4, 1940, Serial No. 333,304

13 Claims. (Cl. 164—72)



1. A punching machine comprising a relatively fixed support, a plunger movable into a predetermined position relative to said support for forcing plastic material therebetween into a confined section of predetermined thickness, positive means for moving said plunger into said predetermined position, a punch having a portion thereof within said plunger and movable relative thereto for forming a perforation in said confined material, and a cutting die surrounding said plunger and movable relative thereto for severing excess material immediately adjacent said confined material.

2,251,136

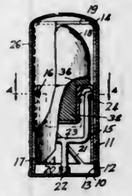
LIPSTICK HOLDER

Harry Karton, New York, N. Y., assignor to Sagamor Metal Goods Corporation, New York, N. Y., a corporation of New York

Application October 26, 1938, Serial No. 236,992

15 Claims. (Cl. 206—56)

1. In a lipstick holder, a cylindrical inner sleeve provided with a helical groove open at the bottom and closed at the top and having a longitudinal guide groove therein in spaced relation to the ends of said helical groove, said sleeve being open at its bottom and having a closed top, a central cup in said top adapted to have the end of a lipstick inserted thereinto, an imperforate outer shell open at its top and bottom and having a projection thereon entering the guide groove of the sleeve, a cap closing the lower end of the



shell and secured and rotatable relatively thereto, and a pin fixed to the cap and rotatable in said helical groove whereby rotation of the cap and the pin causes longitudinal movement only of the sleeve and the lipstick carried thereby, rotary movement of said sleeve being prevented by said projection.

2,251,137

ORNAMENTAL FACING FOR CLOSURES

Ralph Kay, New York, N. Y., assignor to Novel Slide Manufacturing Corporation, a corporation of New York

Application April 11, 1939, Serial No. 267,223

16 Claims. (Cl. 24—205)



1. A closure member comprising a pair of tapes arranged in the same plane and in parallel abutting relation; interlocking elements mounted on abutting edges of said tapes; a slider having operating means for operating said interlocking elements; substantially self-sustaining elements mounted in closely spaced relation along and overlying said interlocking elements, the opposed edges of said substantially self-sustaining elements substantially abutting, said substantially self-sustaining elements forming wear resistant surfaces for the slider operating means; and means securing said self-sustaining elements to said tapes.

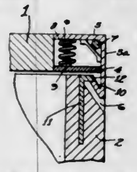
2,251,138

LATCHING DEVICE FOR CONTAINERS OR COMPARTMENTS

Milton C. Knight, Worcester, Mass., assignor to Thermo-Vac Corporation, Boston, Mass., a corporation of Massachusetts

Application May 3, 1940, Serial No. 333,132

6 Claims. (Cl. 292—128)



1. A latching device for the relatively movable members of a container, comprising an L-shaped latch pivotally mounted within a notch provided along the edge of one of said container members, the other of said container members having a catch engageable by the latch, and a spring for yieldably maintaining said latch in engagement with said catch, said L-shaped latch having the

arms thereof flush with adjoining surfaces of the container member in which the latch is pivotally mounted.

2,251,139

NASAL FILTER

Fred Hurman Koehler, Fort Thomas, Ky.

Application November 9, 1938, Serial No. 239,636

3 Claims. (Cl. 128—148)



1. In a concealed type of nasal filter comprising right-hand and left-hand elements for insertion within each of the nostrils, the combination of upper and lower coils formed of one continuous piece of non-corrodible wire, said coils shaped to fit the contour of the nostril and arranged to yieldingly engage each other; filtering material for insertion between the adjacent surfaces of the upper and lower coils where it is firmly held against displacement by the resilient action of the coils, said material adapted to be trimmed to the outline of the coils, after insertion therebetween, to form an irritation-preventing cushion and an air-seal between the coils and the wall of the nostril; a septum engaging portion formed from a continuation of the upper coil and adapted to hold the coils and the filtering material in proper relationship to the nostril; and a hook-shaped portion formed from a continuation of the lower coil for use in inserting and removing the filter, said hook-shaped portion adapted to be concealed within the nostril.

2,251,140

WINDOW CONSTRUCTION

Waldo L. Kraemer, Brooklyn, N. Y., assignor to Kearfott Engineering Co., Inc., a corporation of New York

Application March 11, 1940, Serial No. 323,332

7 Claims. (Cl. 114—177)



1. A window construction for enclosed decks and the like comprising a window frame having a continuous sash guide on the inner face of each of its two side members, two alined sashes in the frame slidable on said guides, a pair of pinions, one on each side member of the frame, having substantially alined axes extending transversely of the frame and laterally offset from the sashes, a rack on each side piece of one sash meshing with the proximate side of the respective pinion, and an opposed rack on each side of the other sash meshing with the opposite side of the respective pinion.

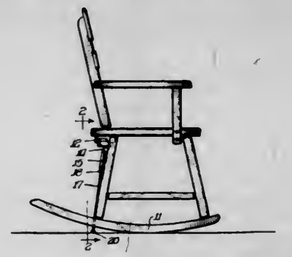
2,251,141

ATTACHMENT FOR ROCKERS

Albert W. Lehman, Jr., Cannelton, Ind., assignor to The Lehman Company of America, Inc., Cannelton, Ind., a corporation of Indiana

Application October 31, 1938, Serial No. 237,849

2 Claims. (Cl. 155—188)



1. In a structure having a rocking member mounted therebeneath and supporting said structure for rocking movement, sound reproducing means mounted on said structure above said rocker and having an actuating arm in connection therewith for operating said sound reproducing means upon movement thereof, an opening in said rocker member, an actuating rod attached to said actuating arm and extending through said opening and below said rocker member when in inoperative position, said rod being reciprocable within and without of said opening upon a rocking movement of said rocker member through contact of said rod with the floor, the reciprocable movement of said rod actuating said arm, and means for returning said rod to inoperative position.

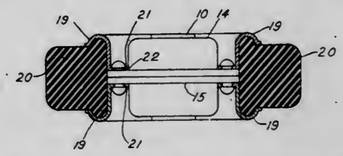
2,251,142

WHEEL ASSEMBLY

Robert M. Lindsay, Oak Park, Ill., assignor to Metal Specialties Manufacturing Co., Chicago, Ill., a corporation of Illinois

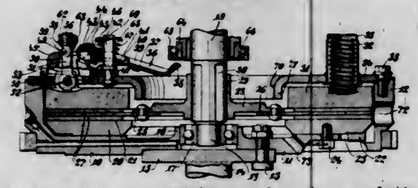
Application March 5, 1938, Serial No. 194,195

4 Claims. (Cl. 301—5.7)



1. In a wheel structure of the class described, a central race member provided with grooves for receiving balls, an outer race member engaging said balls to confine them within said grooves, said outer race member consisting of two cups having inwardly turned outer flanges and outwardly turned inner flanges, said flanges being welded together and provided with spaced rivet holes, a tire, a pair of rim members receiving said tire and provided with inwardly extending flanges receiving the inner flanges of said outer race member, rivets extending through aligned holes in said last-mentioned flanges, and inner flanges of said outer race member for securing said parts together.

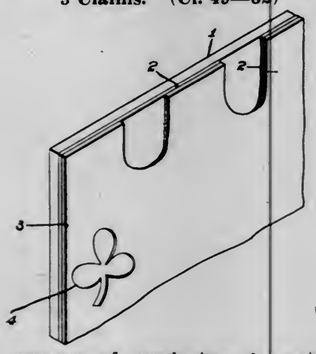
2,251,143
CLUTCH
Bruno Loeffler, Plainfield, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware
Application December 8, 1938, Serial No. 244,529
14 Claims. (Cl. 192—68)



1. A clutch comprising a housing, relatively shiftable clutch elements in said housing, means including a movable pressure member normally urging said clutch elements into engagement, a plurality of levers rockably supported on the exterior of said housing for withdrawing the pressure member to allow the clutch members to disengage, a plurality of link members pivotally connected to said pressure plate, and fulcrum elements comprising wedge-shaped followers on the link members adjustable axially of said link members and engaging said levers.

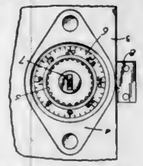
13. In a clutch, the combination of a flywheel having a disc-like portion formed with apertures therein elongated radially of said portion, an annular metallic member having a clutch face detachably secured to the said flywheel, a plurality of lugs on the said member disposed in the said elongated apertures in the said disc-like portion and engaging the sides thereof to prevent relative rotation therebetween, said apertures permitting expansion and contraction of said member responsive to temperature variation.

2,251,144
PRODUCTION OF DECORATIVE GLASS
William O. Lytle, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 14, 1938, Serial No. 201,961
3 Claims. (Cl. 49—82)



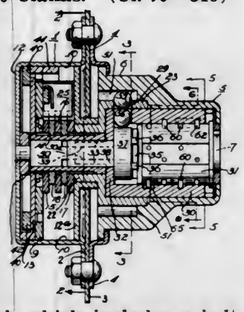
2. A process of producing decorative glass which comprises applying a layer of colored frit of comparatively high melting point to one surface of a newly formed glass sheet, containing sufficient residual heat to fuse the frit, and then applying immediately a second layer of colored frit of a lower melting point than that of the frit first applied to the sheet over said first-mentioned layer of colored frit while the sheet retains sufficient heat to fuse the second layer of frit.

2,251,145
KEY AND COMBINATION OPERATED LOCK
Harold Machinist, Chicago, Ill., assignor to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois
Application February 28, 1940, Serial No. 321,173
13 Claims. (Cl. 70—319)



1. In a lock which includes a bolt and combination mechanism adjustable for operating the bolt, independent operating means for the bolt including a key-controlled cylinder lock comprising a key plug and a casing, said casing being constantly connected with the combination mechanism, a knob and clutch means normally connecting the knob with the casing, said key plug being formed to release the clutch when rotated through a limited angle by a reset key to permit resetting the knob in relation to said mechanism for changing the operating combination.

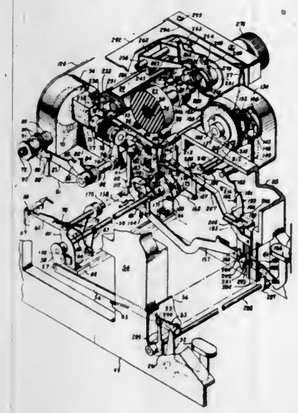
2,251,146
KEY OPERATED RESET FOR COMBINATION LOCKS
Harold Machinist, Chicago, Ill., assignor to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois
Application April 30, 1940, Serial No. 332,577
10 Claims. (Cl. 70—319)



1. In a lock which includes a bolt and combination mechanism adjustable for operating the bolt, independent operating means for the bolt including a key controlled cylinder lock comprising a key plug and a casing, a knob and clutch means normally connecting said knob with the combination mechanism, together with a clutch control member movable in the casing by rotation of a cam operated by the key plug and disposed for releasing the clutch means to disconnect the knob from the combination mechanism and permit resetting said knob in relation thereto.

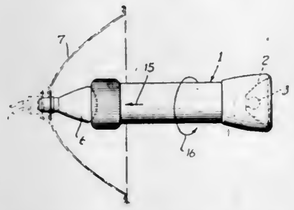
2,251,147
TYPEWRITING MACHINE
Miles H. Mann, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 15, 1938, Serial No. 245,941
16 Claims. (Cl. 197—66)

9. A form-feeding typing machine having, in combination, a carriage, a paper roller, a normally inactive motor, means, including a normally open clutch, forming a carriage return connection between said motor and carriage, means tending, through the rotation of said motor, to close said clutch, carriage return starting means operable to start said motor, form-feed starting means, including a motor-starting member and a clutch, operable, respectively, to cause



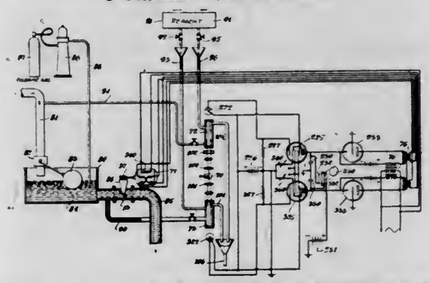
said motor to start and said paper roller to be connected to said motor for a form-feeding operation, and means correlated to at least one of said starting means so as to be effective to restrain the closing of said carriage return clutch by the rotation of said motor when said motor rotates said paper roller, and to be ineffective when said motor is actuated by said carriage return starting means.

2,251,148
COMBINED FLASHLIGHT AND BULB REMOVER
Walter B. Masland, Millburn, N. J., assignor to Tung-Sol Lamp Works Inc., Newark, N. J., a corporation of Delaware
Application July 6, 1939, Serial No. 282,989
4 Claims. (Cl. 294—20)



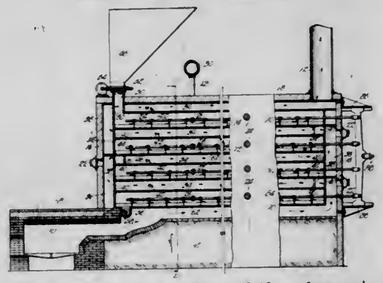
3. A bulb removing tool comprising a handle, a composite bulb engaging part carried by the handle, said part being formed with a concave rigid gripping surface facing outwardly, and with an outer rubber-like element mounted so as to bridge the concave surface but adapted to stretchably conform to and engage the concave surface when the tool is pressed against a bulb for unlocking and disengaging the same from its socket, said rubber-like element of said composite bulb engaging part comprising a sleeve part surrounding the handle and fastened thereto and a disc part which is made of thinner material than the sleeve part.

2,251,149
METHOD OF PURIFYING WATER AND TREATING LIQUIDS
Frederick G. Merckel, Montclair, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application May 23, 1939, Serial No. 275,247
5 Claims. (Cl. 210—28)



1. In a method of controlling the rate of flow of a liquid through a purifying system wherein the liquid is purified without substantial change in its volume, by addition of a chemical, and wherein the results of purification treatment are optically detectable in the effluent of treated liquid from the system, the steps including adding a small quantity of the chemical to the liquid in the system at a substantially constant rate, photo-electrically scanning the effluent to detect variations in the results of the purifying treatment, converting said photo-electrically scanned variations in the results of treatment into variations in electric current, and converting variations of the electric current into variations in the length of time in which successive quantities of the liquid are maintained in the purifying system and subjected to treatment therein, by variably throttling the effluent to maintain the results of the purification treatment, in the effluent, substantially at a predetermined desired degree.

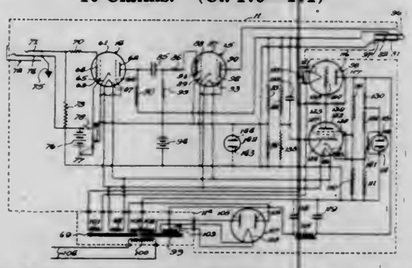
2,251,150
CONTINUOUS ORE CONVERTER
William H. Merkel, Independence, Mo., assignor to Consolidated Mining & Reduction Company, Boulder, Colo., a corporation of Colorado
Application April 15, 1940, Serial No. 329,681
3 Claims. (Cl. 263—23)



1. Ore treating apparatus of the character described comprising a furnace having a fire box and a flue; a retort in the furnace provided with a plurality of ducts arranged to pass products of combustion from the fire box to the flue through a serpentine path; ore-receiving compartments formed between said ducts in the retort interconnected to form a serpentine path of travel for the ore; and means for moving the ore through said serpentine path in the com-

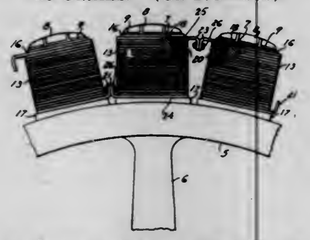
partments, a portion of the retort being an interconnecting common way between two of the ducts and two of the compartments, the passage of ore through said way being in the path of travel of the products of combustion therethrough.

2,251,151
AMPLIFYING SYSTEM
Victor Mistro, Chicago, Ill.
Application September 22, 1938, Serial No. 231,122
10 Claims. (Cl. 179—171)



1. A high fidelity amplifying system comprising, in combination, a multi-stage vacuum tube audio frequency amplifier having a plurality of sections, means individually shielding said sections to prevent pick-up of extraneous impulses, each of said sections including at least one high fidelity amplifier stage, means connecting the stages in the said sections in cascade, individual power supply means for each of the sections, and voltage regulating means included in a part of the sections for stabilizing some of the voltages utilized in the same section therewith.

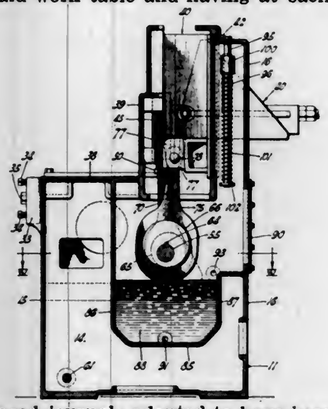
2,251,152
WINDING FOR ELECTRICAL APPARATUS
Sören H. Mortensen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 13, 1940, Serial No. 345,312
16 Claims. (Cl. 171—252)



1. In a dynamo-electric machine, a core of magnetic material having a plurality of projecting field elements, winding coils on said field elements, said coils each comprising a plurality of superposed convolutions of conductive material, and a conductive lead butt-connected by fusion of metal to an outer edge, with respect to the axis of the coil, of a portion of one of said convolutions.

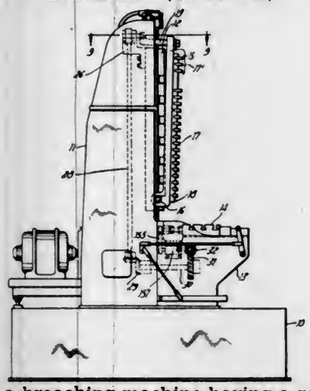
2,251,153
SHEAR
Frederick E. Munschauer, Buffalo, N. Y., assignor to Niagara Machine and Tool Works, Buffalo, N. Y.
Application December 4, 1939, Serial No. 307,347
25 Claims. (Cl. 164—51)

1. In a machine for severing metal sheets and analogous objects, a pair of spaced hollow upright columns, a bed extending therebetween with a work table and a relatively stationary shear knife, a crosshead supported above said bed and between said columns for vertical reciprocation therebetween and having a shear knife adapted to be moved downwardly past said first mentioned shear knife to effect severance of a work piece, a drive shaft extending between said columns below said work table and having at each of its



ends spaced journals adapted to have bearing in the opposite side walls of each of the hollow columns, eccentric means within each of said hollow columns and disposed upon said drive shaft between each of said pairs of journal portions, and means connecting said eccentric means with said crosshead for reciprocation thereof, said columns having removable portions in the walls thereof for assembling the eccentric means with the drive shaft in said columns.

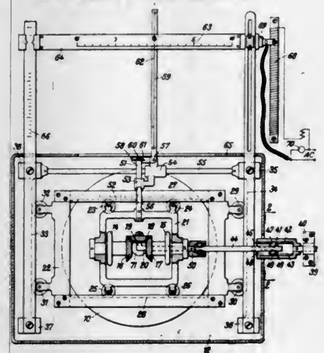
2,251,154
MULTIPLE STROKE BROACHING MACHINE
Lester F. Nenninger, Cincinnati, and Erwin G. Roehm, Norwood, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application January 3, 1939, Serial No. 249,036
17 Claims. (Cl. 90—33)



1. In a broaching machine having a reciprocable broaching ram and a table movable in a plane normal to the path of said ram, the combination of separate power actuable means for moving the table and ram, a source of power connectible for energizing said power actuable means, means controlling the power connections in a manner to cause alternate strokes of the ram and table, and

a recedable positive stop for successively increasing the length of table movement whereby successive stock removal operations on the same work piece may be effected.

2,251,155
COMPUTING DEVICE
Gustav Neuhaus, Essen-Stadtwald, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Original application February 23, 1937, Serial No. 127,235. Divided and this application March 2, 1938, Serial No. 193,593. In Germany May 25, 1935
3 Claims. (Cl. 235—61)



1. The combination of a disk mounted for rotation about an axis, a friction wheel adapted to be rotated proportionally to a motion to be analyzed; means for mounting said friction wheel for rotation in frictional engagement with the surface of said disk, for displacement in a direction parallel to the wheel's axis of rotation, and for displacement in a direction perpendicular thereto; means connected to rotate said disk; a pointer; a support pivotally supporting said pointer; means for mounting said support for movement in a direction parallel to the friction wheel's axis of rotation; means for deflecting said ments of said wheel; means for displacing said pointer support in response to axial displacements pointer support in response to axial displacements of said wheel; and scale means associated with said pointer.

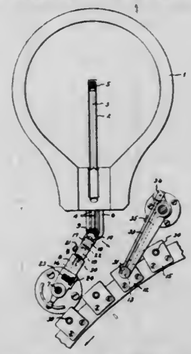
2,251,156
DIESEL FUEL
Edwin M. Nygaard, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1940, Serial No. 362,411
6 Claims. (Cl. 44—9)

1. An improved Diesel fuel having in admixture therewith a minor proportion of an aromatic diazo thioether in sufficient amount to decrease the ignition delay period of the fuel.

2,251,157
DIESEL FUEL
Edwin M. Nygaard, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1940, Serial No. 362,412
6 Claims. (Cl. 44—9)

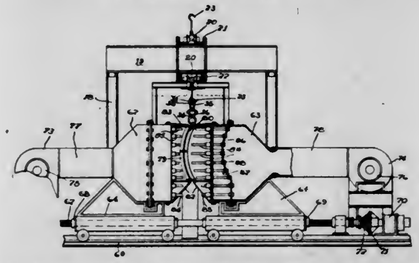
1. An improved Diesel fuel having in admixture therewith a minor proportion of an aromatic diazo alkyl ether in sufficient amount to improve the ignition quality of the fuel.

2,251,158
TRANSFER AND ORIENTING MECHANISM
Oskar Ogrodowy, Biesdorf-Nord, Germany, assignor to General Electric Company, a corporation of New York
Application July 20, 1939, Serial No. 285,624
In Germany August 27, 1938
6 Claims. (Cl. 214—1)



1. Apparatus for transferring and delivering in a predetermined position cylindrical shells having one end closed, comprising a transfer mechanism including rotatable gripping means for engaging a shell at a supply position, means for feeding said shells to said supply position in a definite axial alignment but without regard to the direction in which their open ends face, means for transferring said gripping means to a delivery position, means for causing said gripping means to rotate at said delivery position to reverse the position of a shell therein, and means for causing said shell to be removed from said gripping means at said delivery position either prior to or after its rotation depending upon whether the closed end of said shell is facing in a predetermined direction.

2,251,159
PROCESS AND APPARATUS FOR BENDING AND TEMPERING GLASS SHEETS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 9, 1936, Serial No. 114,962
4 Claims. (Cl. 49—1)



1. A method of bending and case hardening a glass sheet which consists in suspending it in a vertical position by its upper edge, heating the sheet until the glass is at the softening point, applying pressure to the opposite sides of the sheet while in its suspended position to bend it so that it is curved from top to bottom on lines transverse to the horizontal, holding the sheet in bent position under pressure and chilling it while

held in such position by applying air blasts to both faces thereof.

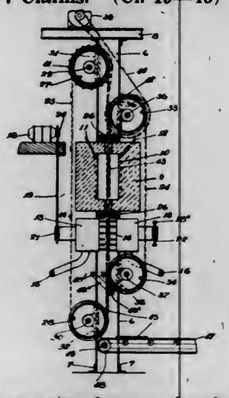
4. Means for bending and case hardening a glass sheet which is suspended in vertical position by its upper edge, comprising a pair of headers mounted for movement toward and from the plane of the sheet on opposite sides thereof, a curved bending member on each header in the form of a curved openwork grid substantially coextensive with the area of the glass sheet, such members being reversely curved, a set of nozzles on each header and connected thereto whose outlet ends are arranged to correspond to the curvature of the grids, and means for supplying air under pressure to the headers, said nozzles being secured in the headers for longitudinal adjustment to permit their use with grids of varying curvature.

2,251,160

APPARATUS FOR CASEHARDENING GLASS PLATES

William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application October 14, 1938, Serial No. 234,988
7 Claims. (Cl. 49—45)



1. In an apparatus for case hardening a glass sheet, endless conveyor screens having upright flights disposed in substantially parallel contiguous relation for engaging opposite sides of the glass sheet, means connected to the screens for driving them synchronously, means for supporting the glass sheet between said flights, heating means receiving said flights for travel therethrough, air blast directing means on opposite sides of the flights for directing chilling air blasts through said flights from opposite directions after they have passed through the heating means, and means for supporting said heating means and said air blast directing means in juxtaposed relation.

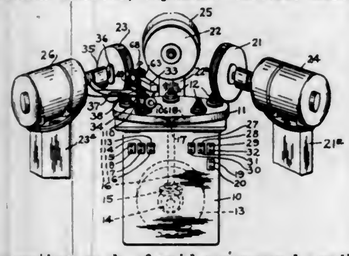
2,251,161

COMPOUND APPLICATOR FOR BUFFING MACHINES

Clifford I. Packer and Emil H. Kammerer, Meriden, Conn., assignors to The Packer Machine Company, Meriden, Conn., a corporation of Connecticut

Application March 2, 1940, Serial No. 321,926
20 Claims. (Cl. 51—263)

1. In a buffing machine, a rotatable table having work-carrying spindles thereon, a plurality of buffing wheels disposed about said table and adapted to engage the work on said spindles, a compound applicator for each buffing wheel, a brick of abrasive compound carried by each applicator, means to reciprocate said bricks toward and away from the respective wheels to apply compound thereto, separate electric motors for



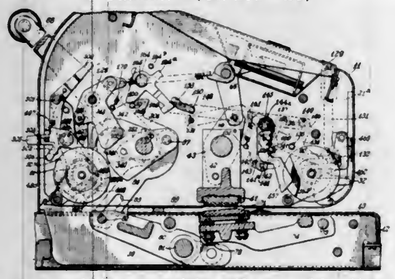
reciprocating each of said compound applicators, separate control means to start and stop each of said motors, and interlocking switches in the circuits of said control means to stop all of said compound applicator motors simultaneously when said table is stopped.

2,251,162

SIGNAL AND LOCKING MEANS FOR PRINTING APPARATUS

Walter B. Payne, Rochester, N. Y., assignor to The Todd Company, Inc., Rochester, N. Y., a corporation of New York

Application July 23, 1938, Serial No. 220,960
7 Claims. (Cl. 101—20)



1. In a printing machine, the combination of a casing, a printing couple, a ribbon supply spool, ribbon advancing means, operating means for said printing couple and said ribbon advancing means, normally ineffective locking means for said operating means, a signal bar normally held inconspicuously within said casing but adapted and arranged to be projected therefrom to indicate when the supply of ribbon is exhausted from said spool and when said locking means is effective to prevent actuation of said operating means, control mechanism for said locking means and said signal bar including a pair of resiliently connected arms and a control plate, said locking means and said signal bar being operatively connected to said control plate, one of said arms normally engaging the surface of the ribbon carried by said spool and the other of said arms normally holding said control plate in a position to retain said locking means in said ineffective position and said signal bar within said casing, said arms being arranged and adapted upon exhaustion of the ribbon from said spool to move so as to swing said holding arm out of the path of and to release said control plate for movement to a second position, whereby said locking means is moved to effective position and said signal bar is moved from within said casing, and spring means for moving said control plate to said second position when released by said arms, said resilient connection between said arms being adapted to permit said ribbon engaging arm to move independently of said other arm when the ribbon is rewound on said spool so that said locking means is effective until the ribbon is replenished on said spool.

2,251,163

CORROSION RESISTANT ALLOY

Peter Payson, New York, N. Y., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 26, 1940, Serial No. 347,773
2 Claims. (Cl. 75—128)

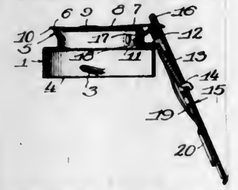
1. A corrosion resisting alloy characterized by high resistance to hot sulfuric acid, containing: about 20 to 28% chromium and about 10 to 16% nickel, with a minimum content for nickel and chromium together of about 33%, up to about 0.25% carbon, up to about 2% manganese, up to about 1.25% silicon, about 0.5 to 5% molybdenum, about 0.5 to 5% copper, and the balance substantially all iron.

2,251,164

DISPENSING DEVICE

Ralph H. Pershall, Bremerton, Wash., assignor to Sanicut Mfg. Co., Port Orchard, Wash., a corporation of Washington

Application December 27, 1938, Serial No. 247,740
1 Claim. (Cl. 65—31)



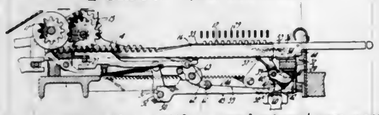
A dispensing device including a cover having a front dispensing spout and a rear vent opening, a resilient blade slidably mounted on the cover and normally closing the spout, means for guiding the blade, a supporting bracket mounted on the cover and having a free end terminating in a fulcrum lug, an operating lever fulcrumed on the lug and having one arm loosely connected with the blade, said arm also having a portion projecting through the vent opening, and a leaf spring having one end anchored to the lever and its other free end contacting with the bracket.

2,251,165

COMBINED TYPEWRITING AND COMPUTING MACHINE

Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application September 7, 1938, Serial No. 228,770
1 Claim. (Cl. 235—60)



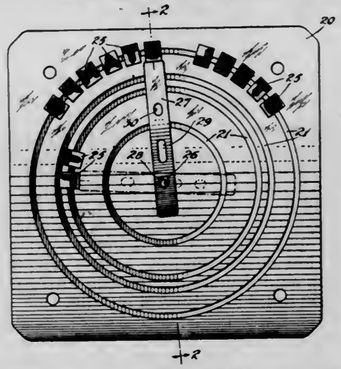
The combination with a reciprocatory computing-wheel-drive rack having digit-pins settable to determine the extent of movement of the rack, a reciprocatory operator for said rack, a lever on said operator, a pin-engager operatively connected to said lever, said operator, lever and pin-engager having an effective range of rack-actuating advance, in unison, less than the determined movement of said rack, of a stationary member presenting a camming-edge substantially coextensive with said range, said lever having a follower engaging said camming-edge to translate the operator-advance over said range into gradual operation of said lever and hence into gradual advance of said pin-engager ahead of said operator to make up for said lesser advance of said operator.

2,251,166

ENGRAVING MACHINE PATTERN AND COPY CHARACTER THEREFOR

Hans P. Preis, Irvington, N. J.; Elizabeth J. Preis executrix of said Hans P. Preis, deceased

Application October 2, 1939, Serial No. 297,539
14 Claims. (Cl. 90—62)



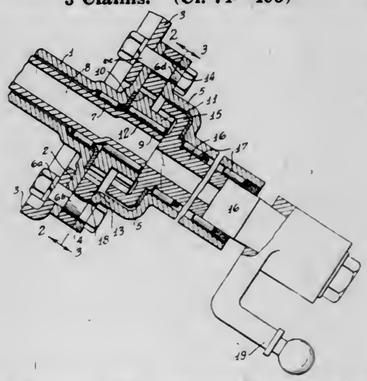
1. An engraving machine pattern comprising a plate provided with a channel, and a copy character provided with a protuberance for registry with said channel said protuberance being of smaller diameter than the cross-section of the channel to enable the protuberance to have free but limited movement in the channel for fixing the position of the copy character on the plate.

2,251,167

STEERING GEAR

Karl K. Probst, Detroit, Mich., assignor to Karl K. Probst and J. H. Shoemaker, as joint trustees for Probst-Shoemaker-Merrill Company, Detroit, Mich., a joint venture company

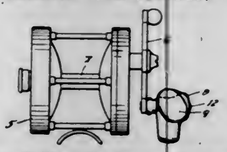
Application September 9, 1938, Serial No. 229,154
3 Claims. (Cl. 74—498)



1. A steering gear comprising a housing, an

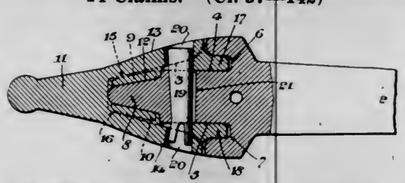
actuating shaft, an actuated shaft and means connecting said shafts all located in said housing, said connecting means comprising a rotatable pinion eccentrically mounted on said actuating shaft, gear means including one gear anchored in said housing restricting free rotation of said pinion, and speed reducing means connecting said pinion and said actuated shaft, the gear anchored in said housing being radially adjustable with respect to its mating gear to compensate for imperfect meshing of its teeth.

2,251,168
CRANK HANDLE
Albert J. Ronnick, Hartford, Conn.
Application March 5, 1940, Serial No. 322,335
3 Claims. (Cl. 74—543)



1. A handle of the character described, for a crank or the like, comprising a rotatably mounted member having a contour including depressions conforming with the shape of the thumb, index and middle finger of the human hand, and means utilizing gravity for normally retaining said handle in proper position to dispose said recesses in a position corresponding to the normal position of the said fingers during the natural movement of the hand to grip said handle.

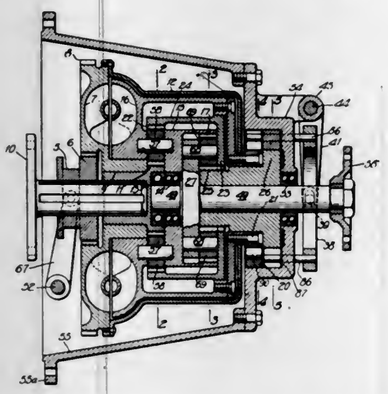
2,251,169
DIPPER TOOTH
Voorhees N. Seal, Carlisle, Pa., assignor to The Frog, Switch & Manufacturing Company, Carlisle, Pa., a corporation of Pennsylvania
Application July 16, 1940, Serial No. 345,699
14 Claims. (Cl. 37—142)



1. A dipper tooth comprising a nose having a tapered or wedge-shaped end and at the rear of the nose a pair of sockets or recesses, a bifurcated point having a converging or wedge-shaped recess for the reception of the wedge-shaped end of the nose and also having at the rear thereof a pair of tangs or lugs fitting into the sockets or recesses of the nose, said nose and point having two pairs of cooperating engaging converging ribs and recesses at the tapered end of the nose, each pair spaced apart, each located to one side of the median line of the dipper tooth, and means located between the rear ends of the converging ribs and the rearwardly extending portions of the lugs for bolting the point and nose together.

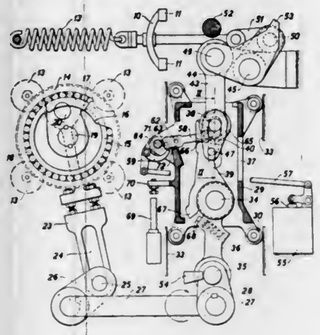
2,251,170
AUTOMATIC TRANSMISSION
Frederick W. Seybold, Westfield, N. J.
Application July 20, 1939, Serial No. 285,560
9 Claims. (Cl. 74—189.5)

1. In a transmission unit, a drive shaft having pinion means thereon, an impeller arranged for axial rotation with respect to the drive shaft, slidable means for connecting and disconnecting the drive shaft and impeller, a driven shaft coaxial with said drive shaft and having a driven assembly rotatable therewith, a primary floating assembly having planetary connection with said driven assembly, a secondary floating assembly



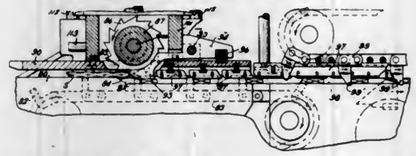
having planetary connections with said primary floating assembly, said driven assembly and said drive shaft pinion means, and hydraulic connection with said impeller, and means operable to lock one of said floating assemblies against rotation in one direction or the other floating assembly against rotation in the opposite direction to cause low ratio rotation of said driven shaft in one or the other direction.

2,251,171
CIRCUIT BREAKER
Thomas G. A. Sillers, Wauwatosa, and Adolph Ernestus, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 21, 1938, Serial No. 230,922
15 Claims. (Cl. 200—92)



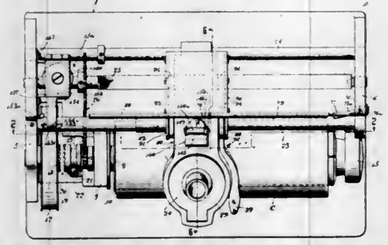
1. In combination, a pair of contacts cooperable to make and break an electric circuit, means for biasing one of said contacts to circuit opening position, and means comprising a plurality of magnetically independent electric motors for moving said biased contact to circuit closing position.

2,251,172
GUM BREAKING MACHINE
Elmer Lovell Smith, Longmeadow, and Edward F. Cornock, Springfield, Mass., assignors to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application May 22, 1940, Serial No. 336,508
19 Claims. (Cl. 107—7)



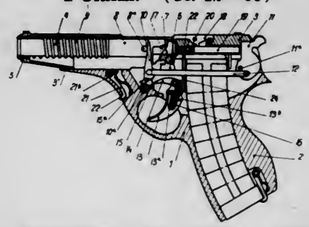
1. A gum breaker for severing pieces of gum from slabs formed with the separate pieces defined by score lines extending from side to side of the slab comprising a feeding channel including means to feed the gum in slab form, a delivery channel including means to deliver the gum in separate pieces, an offset channel portion connecting the feeding and delivery channels, and a constantly rotating ratchet-toothed breaker wheel located adjacent said offset portion and adapted to engage the first piece of gum of a slab in the feed channel and force it along the offset portion onto the delivery channel, each of the teeth of the ratchet wheel comprising a radial portion, and a chordal portion, the chordal length of which is substantially equal to the distance between score lines on a slab, said wheel being in such position relative to the channels that as a slab is moved along the feeding channel and the wheel revolved, the front edge of the slab will first abut a radial portion of one ratchet tooth and then the chordal portion of the next tooth will engage the top of the slab and on continued rotation of the wheel force the first piece of the slab along the offset portion onto the delivery channel.

2,251,173
PHONOGRAPH
Richard M. Somers, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application January 5, 1940, Serial No. 312,455
17 Claims. (Cl. 274—17)



10. In a phonograph including record-supporting means and a translating device, and moving means for effecting relative movement of said record-supporting means and said device whereby said device passes through a continuous progression of positions relative to the record, said device being selectively conditionable in recordation and other conditions: the combination of means operatively connected with said device for operation upon reconditionings thereof, and comprising mutually cooperative elements relatively moved by said moving means incidental to said first-mentioned movement, for making "in" registrations of the positions at which said device is placed into recordation condition and "out" registrations of the positions at which said device is taken out of that condition; scanning means disposed in traversing relationship to said "in" and "out" registrations and actuated thereby and moved relative thereto by said moving means incidental to said first-mentioned movement; means normally blocking the placement of said device into recordation condition; releasing means controlled by said scanning means and connected with said blocking means to render the same ineffective when said device occupies a position predeterminedly related to a position registered by an "out" registration; and means controlled by said scanning means and associated with said releasing means for opposing the effective action of the latter when said device occupies a position registered by an "in" registration.

2,251,174
SEAR MECHANISM
Giulio Sosso, Turin, Italy
Application April 10, 1937, Serial No. 136,079
In Italy April 14, 1936
1 Claim. (Cl. 42—69)

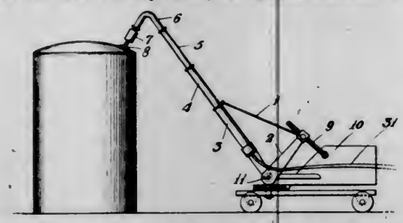


Sear mechanism for pistols, comprising a frame, a movable hammer on the frame capable of being cocked, a barrel, a main spring surrounding a barrel, a fork sear member journaled on the frame and coacting with said main spring, a link connecting the hammer to the fork sear member, so that when the hammer oscillates in the cocking direction, the fork sear member oscillates in the opposite direction to compress the main spring, a pawl journaled on the fork sear member and adapted to engage an abutment on said frame when the hammer is brought into the cocking position and the main spring is compressed, a trigger, a second pawl journaled on said trigger, a second spring mounted on said trigger and acting on the second pawl to press its free end against the upper face of the first pawl, the latter having an abutment coacting with said second pawl to bring the hammer into the cocked position and compress the main spring and also bring the first pawl into engagement with the abutment during the first part of the movement of the trigger, while the last part of the movement of the trigger produces first the disengagement of the first pawl from the abutment and then the release of the second pawl from the abutment on the first pawl in order to release the main spring and operate the hammer.

2,251,175
FIRE EXTINGUISHING APPARATUS
Wilhelm Tappe, Bucharest, Rumania
Application March 18, 1938, Serial No. 196,604
In Germany May 31, 1937
1 Claim. (Cl. 169—4)

An apparatus for use in connection with fires, comprising the combination of an extensible fire extinguishing pipe, a motor mounted on said

pipe and actuated by fluid passing through the pipe, a rotary tool driven by said motor, a jacket surrounding said motor in spaced relation thereto and having an open end of smaller width than that of the rotary tool, a spring-loaded valve



for shutting off the motor from the extinguishing pipe mounted in the motor casing, and further spring-loaded valves under a lower pressure also mounted in the motor casing and adapted to permit fire extinguishing medium to pass through the jacket.

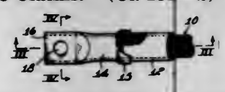
2,251,176

TERMINAL AND METHOD OF MAKING IT

Robert Temple, Jr., Pittsburgh, Pa.

Application November 22, 1938, Serial No. 241,815

13 Claims. (Cl. 153—2)



1. A terminal for a wire end comprising a length of metal tubing receiving the bare end of the wire snugly within its bore, the outermost end of the tubing being substantially flush with the outermost end of the wire, said tubing and wire therein being flattened and compressed firmly together over at least one end of the tubing, and the flattened end of the tubing and wire having a hole punched therethrough.

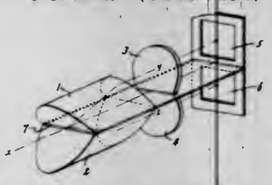
2,251,177

OPTICAL SYSTEM FOR PHOTOGRAPHY AND PROJECTION

Richard Thomas, Los Angeles, Calif., assignor to Thomascolor Corporation, a corporation of Nevada

Application July 25, 1939, Serial No. 286,369

6 Claims. (Cl. 88—16.6)



1. An optical system adapted to correlate a single objective field with two isomorphous image fields, comprising: a pair of deflecting members in adjoining relation along a longitudinal plane, each of said deflecting members being provided with plane and parallel front and rear surfaces, the front and rear surfaces of one member being equally but oppositely inclined to the surfaces of the other member and the angle between the front faces of the two members being less than 180°; and a pair of objective lenses between said deflecting members and the focal plane and in close proximity to said members, the optical axes of said lenses being parallel and spaced from the longitudinal plane of the two members a distance substantially equivalent to the deflection imparted to a ray parallel to the longitudinal plane by one of said members.

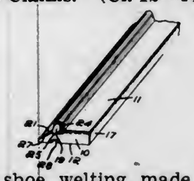
2,251,178

WELTING AND ITS METHOD OF MANUFACTURE

William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a copartnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour

Application June 20, 1940, Serial No. 341,467

6 Claims. (Cl. 12—146)



1. Beaded shoe welting made from a grain leather fillet no wider than the finished welt, comprising a body portion having an outer, grain-surfaced welt extension and a beveled, flesh-surfaced inner edge, a flap portion integral with the body and folded upon itself to provide a bead extending longitudinally between the inner edge of the welt extension and said beveled edge, and a lip portion incised from and integral with the flap portion having its grain surface applied and cemented to said beveled edge, the exposed face of the lip and the inner side of the bead presenting ungrained surfaces and the outer side of the bead presenting a grain surface.

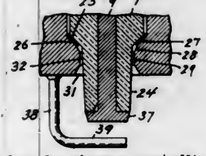
2,251,179

SPARK PLUG

George S. Weinerth, Reading, Pa.

Application January 9, 1940, Serial No. 313,036

18 Claims. (Cl. 123—169)



1. A spark plug having a metallic shell and an insulator having a tapered end extending outward from said shell, and a concentric surface in said shell and around a part of the tapered end of said insulator.

2,251,180

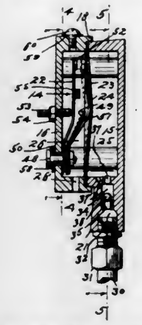
SERVICE CALL DEVICE

Walter F. Wesley and Maynard H. Lofback, Minneapolis, Minn.; said Wesley assignor to Wilbur L. Lindsten, Minneapolis, Minn.

Application July 24, 1939, Serial No. 286,070

4 Claims. (Cl. 200—86)

1. In a device of the kind described, a casing, a diaphragm dividing the casing into a switch compartment and an air compartment, an electric circuit a normally open switch in the switch compartment, said switch comprising a pair of leaf spring contacts one of which is relatively movable and arranged to be engaged by the diaphragm, means for adjusting the other contact relative to the movable contact to vary the normal gap there-between, means including a conduit for intermittently forcing air into the air compartment, a check valve in the air conduit arranged to be opened by air being forced through the conduit to the air compartment and be closed by air pressure in the air compartment, a second check valve in the conduit outward of the first noted check valve and arranged to be held closed by air pressure in said conduit, and arranged to open when air pressure on the air



conduit is below atmospheric pressure, an air release valve leading from the air compartment and arranged to open when air pressure in the air compartment goes above a predetermined pressure, and an air escape vent leading from the air compartment, and having an air conducting capacity that is less than the air intake from the conduit.

2,251,181

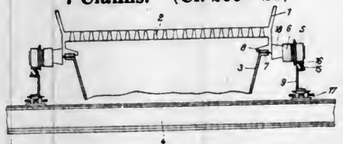
BAND SINTERING OR ROASTING APPARATUS

Herbert Wittenberg, Schonberg, near Kronberg in Taunus, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York

Application August 24, 1938, Serial No. 226,557

In Germany October 11, 1937

7 Claims. (Cl. 266—21)



1. In a band sintering or roasting apparatus comprising suction boxes, pallets, and rails on both sides of said suction boxes, said suction boxes having slide tracks on the top sides thereof, and said pallets having slide members tightly bearing against said slide tracks and rollers running on said rails the rails on which the rollers of the pallets run being stationary and supported in a rigid manner, the load of the pallets being borne partly by said rails and rollers, and partly by said slide tracks and said slide members, in combination with resilient layers provided in one of said partial load support means, whereby said partial load support means will yield somewhat in downward direction under the influence of the weight of the roasting pallets, thereby distributing said weight longitudinally on each side of said suction boxes and means for adjusting the height of said rails.

2,251,182

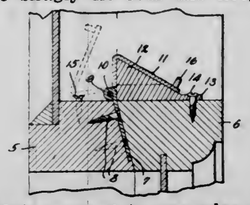
WINDOW LOCK

Robert L. Woodward, Jr., Nashville, Tenn.

Application December 7, 1939, Serial No. 308,064

1 Claim. (Cl. 292—101)

A lock for sliding window sashes, comprising a keeper embodying a solid block secured to the upper rail of the lower sash of a window and having a vertical edge forming a continuation of the outer edge of the rail, and having a downwardly inclined upper edge, a fastener plate of substantially inverted V-shaped construction, adapted to snugly fit over the keeper block, a



securing plate secured to one edge of the lower rail of the upper sash of the window and to which the fastener plate is pivotally connected, flanges at the ends of the fastener plate, said flanges closely engaging the ends of the keeper block preventing lateral movement of the fastener plate with respect to the keeper block.

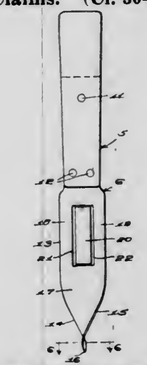
2,251,183

POTATO PEELER AND EYER

Arnold Joseph Antoski, Fort Knox, Ky., assignor of one-half to Charles G. Claxon, Fort Knox, Ky.

Application October 21, 1939, Serial No. 300,627

7 Claims. (Cl. 30—279)



1. A device of the character described, said device comprising a flat metal plate formed with a pair of substantially parallel longitudinal slots defining a cutter, said cutter having the major portion thereof laterally offset with respect to one side of said plate, the inner corners of the longitudinal edges of said cutter being beveled to define cutting edges angularly spaced from the said side of the plate.

2,251,184

FILM HOLDER

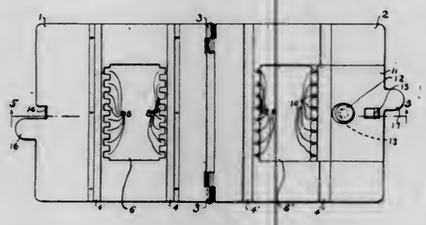
George S. Bohannon, Fort Worth, Tex.

Application February 28, 1939, Serial No. 259,054

3 Claims. (Cl. 88—24)

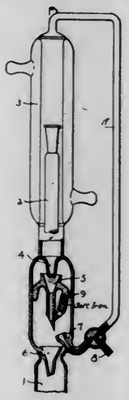
1. A film holder comprising frame members arranged in superposed relation and having registering openings therein adapted to receive a film therebetween, one of said frame members having a transversely extending recess therein on one side of said openings, a film stretching member slidably mounted in said recess for bodily movement transversely relative to said frame member and having means for engaging

an edge of the film for stretching the same laterally, holding means for the opposite edge of



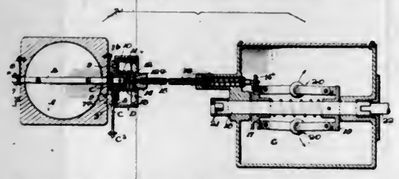
the film, and means connected with said frame member for limiting the sliding movement of said film adjusting member.

2,251,185
DISTILLATION APPARATUS
Albert S. Carter and Frank Willard Johnson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 17, 1939, Serial No. 268,376
1 Claim. (Cl. 202—161)



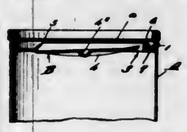
In a reflux distillation apparatus comprising a still and condenser, the improvement which comprises in combination, a funnel located above and in direct communication with the vapor outlet of the still, said funnel being pivoted near its top to swing about a horizontal axis, and having a stem composed in part at least of ferrous metal, said ferrous metal part being sheathed with a corrosion-resistant material, means for conducting the stream of condensate from the condenser to the funnel, means in register with the outlet of the funnel in its normal at-rest position for conducting reflux condensate to the still, means adjacent the last-named means for conducting condensate to a storage receptacle, an electromagnet adjacent the stem of the funnel and further positioned to bring the outlet of the funnel into register with the means for conducting condensate to the storage receptacle when said magnet is energized, a suitable electric circuit for energizing said magnet and adjustable automatic means operating independently of the operation of the still for periodically making and breaking said circuit for predetermined time intervals.

2,251,186
AUTOMATIC SPEED GOVERNOR FOR AUTOMOTIVE VEHICLES
Richard W. Deaver and Carl E. O. Kriegstedt, Washington, D. C.; said Kriegstedt assignor to said Deaver
Application August 4, 1939, Serial No. 288,454
8 Claims. (Cl. 180—82.1)



1. A speed governor for automotive vehicles, including the combination with the engine throttle valve shaft, of an operator's control lever loosely mounted on said throttle valve shaft, a clutch device including a fixed member fast on the throttle valve shaft and a movable clutch member having elements releasingly engaging both the fixed clutch member and said operator's control lever, and speedometer controlled governor means for actuating the said movable member of the clutch device to disengage and release the control lever when a predetermined vehicle speed is attained.

2,251,187
CAN
Daniel Friedman, Chicago, Ill.
Application March 8, 1940, Serial No. 323,005
2 Claims. (Cl. 220—85)

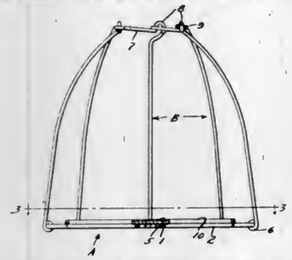


1. In a can including a cover, a partition member extending across the top portion of the can directly under the cover, said partition member having an arcuate opening therein slightly spaced from the periphery thereof with the metal surrounded by the opening forming a tongue adapted to bend outwardly to permit the passage of the contents of the can through the member and the metal surrounding the opening extending upwardly to form a channel for receiving metal particles and the like displaced by a cutter used to cut the cover from the can, said channel having its inner wall turned over to form means for catching any particles tending to pass from the channel when the can is partly inverted.

2,251,188
HOLDER FOR YARN OR CORD
Merle L. Griffis, Vienna, Ohio
Application October 28, 1940, Serial No. 363,223
3 Claims. (Cl. 242—146)

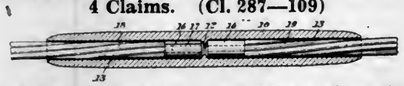
1. A holder of the class described comprising a base formed of wire and including a hub and radiating arms, each arm being formed in a closed loop having an eye at its outer end, a plurality of uprights each of inverted U-shape and having eyes at its lower ends for engaging the eyes of the base, the bights of the uprights being of arcuate shape to form a ring at the top of the holder when the uprights are in upright position, a projection at one end of each bight

and a loop at the other end, the projections of the uprights engaging the loops thereof for



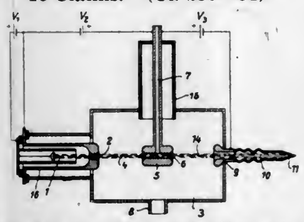
holding the uprights together, each upright curving inwardly.

2,251,189
CABLE CONNECTOR
Claude H. Jensen, Pittsburgh, Pa., assignor to Copperweld Steel Company, Glassport, Pa., a corporation of Pennsylvania
Application February 28, 1941, Serial No. 380,975
4 Claims. (Cl. 287—109)



1. A cable connector comprising a sleeve bored to receive the end of a cable, said sleeve being deformable into gripping engagement with said cable end, and a lining tube of wire mesh inserted in said bore, the wires of said mesh being adapted to bite into and form keys with said cable end and sleeve on radial compression of the latter.

2,251,190
METHOD OF PRODUCING NEUTRONS
Hartmut Israel Kallmann, formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
Application March 10, 1939, Serial No. 261,156
In Germany March 16, 1938
16 Claims. (Cl. 250—84)



1. A method for the production of neutrons which comprises bombarding a body containing heavy hydrogen adsorbed in its surface with heavy hydrogen ions impinging thereon at a substantial angle to the normal.

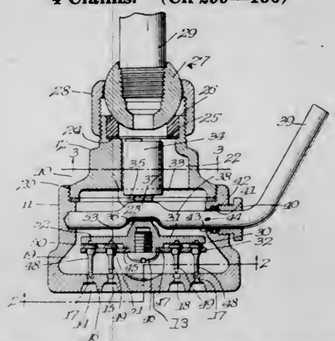
2,251,191
HAIRDRESSING CAP
Birtie Mae Kelley, Atlanta, Ga.
Application May 20, 1940, Serial No. 336,251
3 Claims. (Cl. 2—198)

3. A hair dressing cap comprising a body made from a front piece and a back piece of fine mesh fabric material and shaped in truncated substantially triangular formation, said front piece having a long convexed outer edge, a short concaved inner edge and convexed end edges, said back piece having a long concaved outer edge, a short concaved inner edge and convexed end edges, the convexed end edges of one piece being secured to the convexed end edges of the other piece to provide lateral seams and to form the body into frusto-conical configuration with a circular opening provided by the short concaved inner edges and disposed in the top of the body



to allow a portion of the crown of the head of the wearer to project therethrough to facilitate holding the cap on the head, reinforcing strips secured to the outer face of the body along the seams to cover the latter, means secured to the body upon opposite sides of the outer edge portions thereof and for disposal under the chin of the wearer to cooperate with the opening to fasten the cap on the head against casual removal or displacement, and decorative braid secured to the body adjacent the edges thereof for reinforcing the same.

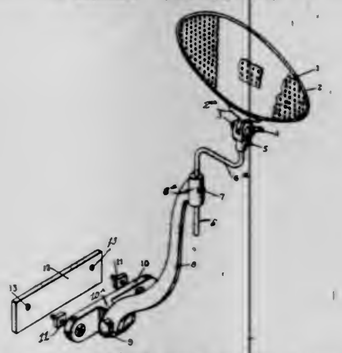
2,251,192
SHOWER HEAD
Ernest Krumsiek, Ray Kileen, and Emmett M. Reedy, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application September 8, 1938, Serial No. 229,036
4 Claims. (Cl. 299—136)



1. A shower head comprising a body having separably coupled portions of which one is hollow and has a perforated face plate and the other is provided with means for connection with a supply line, a member comprising an expanded portion within said one of said portions in overlying relation to said face plate and a shank portion projecting from said expanded portion in the opposite direction from said face plate, pins projecting from said expanded portion toward said face plate and respectively aligned with said perforations, means in said other portion engaging said shank portion externally for guiding the same rectilinearly, the guided portion of said shank portion being cylindrical and at least one of said pins which is off the axis of said shank portion being of sufficient length to be en-

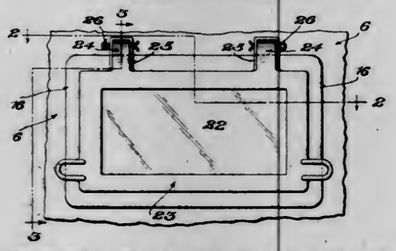
gaged in its associated perforation throughout the reciprocating range of said member whereby to prevent rotation of said member about the axis of said shank portion, there being a supply passage in said other portion past said guide means to the interior of said one of said portions, and means carried by said one of said portions for reciprocating said member whereby to alter the relation of said pins to said perforations.

2,251,193
ANTIGLARE SHADOW SHIELD FOR AUTOMOBILES
Maurice J. La Belle, Sr., Utica, N. Y.
Application July 19, 1940, Serial No. 346,428
2 Claims. (Cl. 296—97)



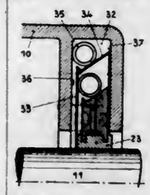
1. An automobile shadow shield device comprising a standard, a clamping plate to which said standard is pivotally attached so as to be capable of a pivotal adjustment, said clamping plate to be located on the outside of a sheet metal hood part, a stiffening reenforcing plate to be located on the inside of a sheet metal hood part, bolts and nuts for securing said clamping and reenforcing plates together, said standard having a tubular part at its upper end, a vertically and axially adjustable rod fitting said tubular part and having an upper offset part, a set screw for securing said rod in any desired position, a translucent shadow shield member and connections between said offset part and said shadow shield member.

2,251,194
PROTECTIVE EYEPIECE
Robert Malcom, Chicago, Ill.
Application January 9, 1941, Serial No. 373,847
8 Claims. (Cl. 2—8)



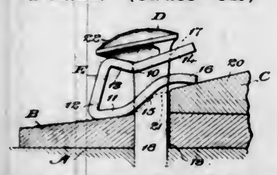
6. An eyepiece for a protective facepiece having a sight opening, comprising an outer frame having a sight opening and including a laterally extending flange and a wall on said flange surrounding said opening, the inner surface of said wall slanting inwardly of said opening from said flange, and an inner member having a sight opening and including a wall of exterior wedge shape pressible into said frame wall to a frictionally fit and a laterally extending flange on said inner member cooperable opposite to said frame flange to clamp material of the facepiece therebetween.

2,251,195
DUST GUARD FOR JOURNAL BEARINGS
Marcel Meunier, Levallois-Perret, France
Application March 10, 1939, Serial No. 261,108
In Switzerland March 14, 1938
2 Claims. (Cl. 286—6)



1. In a dust guard for journal boxes, the combination with an axle and a housing having laterally spaced walls, of a flexible split sealing collar on the shaft and having a plurality of grooves therein, an annular plate having a plurality of segments arranged concentrically about the collar, said segments each comprising inner and outer sections having disalined radial side edges whereby the joints in the plate between the segments are masked respectively by the inner and outer sections, ribs on each of said sections of the segments forming continuous tongues adapted to enter the grooves on the collar, said segments each having its outer edge bevelled to face one of said walls, and an annular elastic element circumferentially engaging the plate and tending to move the segments thereof radially into contact with the collar, said elastic means comprising an endless coiled compression spring engaging the bevelled edges and the wall toward which they face.

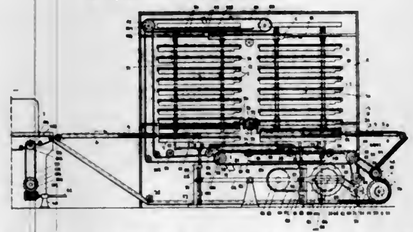
2,251,196
HOLDING CLIP FOR TIE PLATES AND RAILS
George W. Muller, Miami, Fla.
Application May 8, 1940, Serial No. 334,040
1 Claim. (Cl. 238—349)



Means for holding a rail yieldably seated upon the tie plate, comprising a plate of spring metal bent upon itself to provide a lower spring arm, an upper spring arm overlying said lower spring arm and spaced a distance above the latter, and a bight portion connecting the said two arms together at their outer ends beyond the spiking position, the said upper spring arm being bent downwardly into substantially V-shape corresponding to the under-formation of the spike head and providing a seat for the latter, the said lower spring arm being arched upwardly from a point outside of the spiking position into overlying relation and contact with the rail flange, and the said bight portion which connects the two arms being approximately straight to form a

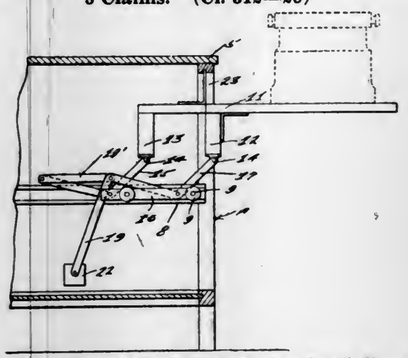
stiff strut adapted to have rigid engagement with the upper side of the tie plate, both of the said spring arms having vertically aligned spiking openings at an intermediate location between the outer strut portion of the clip and the inner unconnected end portions of the spring arms as and for the purposes specified.

2,251,197
CONVEYER FOR CHOCOLATE PRODUCTS
Fritz Nestmann, Dresden, Germany, assignor to the firm of J. M. Lehmann, Dresden, Germany
Application May 31, 1938, Serial No. 210,999
In Germany June 4, 1937
9 Claims. (Cl. 198—85)



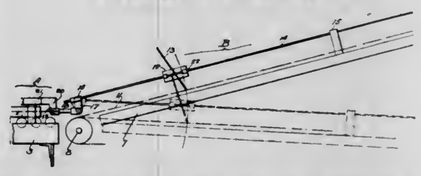
4. An apparatus of the class described comprising conveying means for continuously advancing sheets, a series of hurdles for receiving said sheets from said conveying means and returning the same thereto, means located above said conveying means for transporting said hurdles away from and towards said conveying means, a pair of reciprocating tables located below said conveying means, means for transferring hurdles between said tables, a series of pivoted levers for supporting said hurdles so as to come within the field of action of said means located above said conveying means and means for operating said tables so as to bring the hurdles thereon within the field of action of said levers.

2,251,198
TYPEWRITER SUPPORT
Frank E. Oneal, Joliet, Ill.
Application August 5, 1940, Serial No. 351,452
3 Claims. (Cl. 312—28)



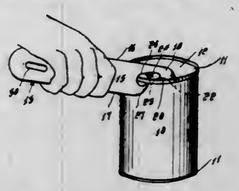
1. In a typewriter support, horizontally arranged tracks, a carriage slidably mounted on said tracks, a typewriter shelf, depending members on said shelf, substantially V-shaped levers pivoted on the carriage and to the depending members and arranged in pairs, links pivotally connecting the pairs of levers, and counterbalance means connected to one of said pairs of levers.

2,251,199
COMPENSATING MECHANISM
Henry W. Piquet, Moorestown, N. J., assignor to MacAndrews & Forbes Company, Camden, N. J., a corporation of New Jersey
Application April 30, 1941, Serial No. 391,187
6 Claims. (Cl. 164—76)



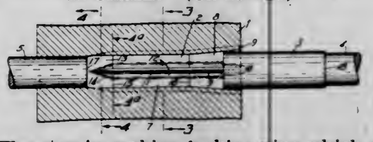
1. In apparatus of the character described the combination with a support for advancing continuous sheet material, cutting means movable crosswise of the support for severing the sheet material into sections, a tipple conveyor having one end pivotally connected adjacent said support and its opposite end free for movement vertically between predetermined limits, and mechanism for controlling operation of said cutting means to sever sections from said sheet material including, a switch device associated with said tipple and having an operating arm extending into the path of travel of said sheet material for actuation by the leading edge thereof, of an element mounted for sliding movement longitudinally of the tipple and carrying said switch device, and connections between the element and the support operable to vary the relative position of said element longitudinally of the tipple conveyor upon vertical pivotal movement of the latter and maintain the switch equally spaced from the cutting means thereby to insure the severing of sections of equal length from the sheet material by said cutting means.

2,251,200
CAN OPENER
Herman Pohle, Greenwich, Conn.
Application May 23, 1940, Serial No. 336,876
4 Claims. (Cl. 30—16)



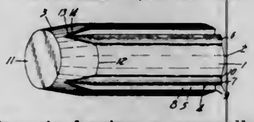
1. A tool of the character described comprising a relatively thin flat metal bar, an integral extension at one end of said bar contiguous with the upper edge thereof, the bottom edge of said extension being beveled on one side thereof with the bevel diminishing toward the ends of the extension to form a laterally bowed cutting edge, said cutting edge being bowed upwardly and longitudinally to form depending points at the ends thereof, and a hook shaped portion projecting upwardly from the opposite edge of the corresponding end of said bar and terminating beneath the inner pointed end of said cutting edge, said bar being provided with a cut-out portion disposed behind said hook shaped member and the inner pointed end of said cutting edge and opening outwardly of the space therebetween, said bar and extension being disposed in substantially the same plane.

2,251,201
METHOD OF AND APPARATUS FOR MAKING DRIVE PINS
William A. Purtell, West Hartford, Conn., assignor to The Holo-Krome Screw Corporation, a corporation of Connecticut
Application January 6, 1938, Serial No. 183,682
21 Claims. (Cl. 10—56)



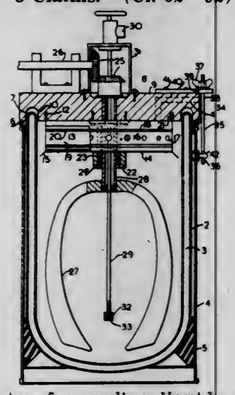
1. The step in making locking pins which consists in, longitudinally grooving a blank moving longitudinally in one direction in a closed die while the displaced metal is free to form ribs extending longitudinally along the grooves and raised above the periphery of the blank.

2,251,202
DRIVE PIN
William A. Purtell, West Hartford, Conn., assignor to The Holo-Krome Screw Corporation, a corporation of Connecticut
Original application January 6, 1938, Serial No. 183,682. Divided and this application January 6, 1941, Serial No. 373,246
8 Claims. (Cl. 85—19)



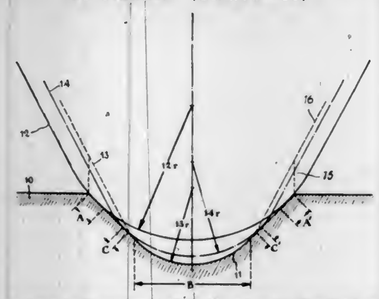
1. A drive pin having a generally cylindrical body portion including radially located laterally spaced straight portions in the periphery thereof and radially located straight grooves between said straight portions, and gripping projections having convex surfaces engageable with the walls of a hole and raised above the body of the pin and extending parallel to said grooves, said grooves and projections being of uniform cross section throughout the length of the body of the pin.

2,251,203
APPARATUS FOR COOLING LIQUIDS
Walter John Ramsay, Denver, Transvaal, Union of South Africa
Application April 2, 1938, Serial No. 199,695
3 Claims. (Cl. 62—92)



1. Apparatus for cooling liquids comprising a double walled insulating glass container, a protective casing, shock absorbing material between said container and said casing and a detachable unit comprising a cover formed with a gas outlet passage adapted to close said container tightly; and means for removably securing said cover to said container; said unit also comprising a tube suitable to introduce liquefied carbon dioxide into the container, and formed at its end with a downwardly sloping jet aperture, an easily removable filter co-operating with said gas outlet passage, said filter offering negligible resistance to carbon dioxide gas and being practically impermeable to liquid particles, and means adapted to agitate liquid in said container.

2,251,204
SOUND REPRODUCTION
John D. Reid, Mount Healthy, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio
Application April 14, 1941, Serial No. 388,355
13 Claims. (Cl. 274—38)

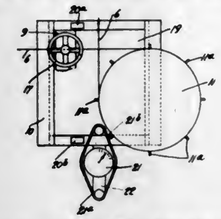


8. A reproducing stylus for reproducing sound from laterally-cut grooved records having modulated grooves, said stylus having a tip rounded on an arc the radius of which is large with respect to the modulated record groove and of such dimension that the tip contacts the side walls of said modulated grooves within the upper third only of the side walls of the said modulated groove.

13. The method of reproducing sound from a laterally cut record provided with a groove having opposed upwardly diverging modulated side walls, which comprises bringing the tip of a reproducing stylus into contact with the upper portions only of the opposed modulated side walls of said groove adjacent the top of said modulated side walls, preventing contact of said tip with the bottom of said groove and with the lower portions of the modulated side walls of said groove, and moving said record relative to said stylus to vibrate the stylus in accordance with the modulation of the upper portion of said modulated side walls.

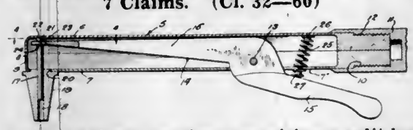
2,251,205
APPARATUS FOR WINDING WIRE AROUND A BODY OF REVOLUTION
Maurice Revel, Paris, France, assignor to Societe des Tuyaux Bonna, Paris, France, a corporation of France
Application October 27, 1938, Serial No. 237,358
In France November 5, 1937
9 Claims. (Cl. 242—148)

1. In apparatus for winding a wire under tension on a revolving body member as the latter and a carriage member slide one relatively to the other member; a carriage on the carriage member, means on the carriage operable to place the wire under a low primary tension, and frictioning means on the carriage arranged to receive the wire from the first mentioned means and to in-



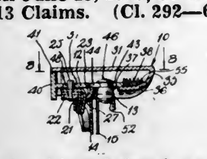
crease the tension thereof to the degree employed in winding, means mounting the carriage for movement on the carriage member through the movement of the wire in accordance with the degree of tensioning of the wire.

2,251,206
AMALGAM CARRIER
Bruce W. Rutrough, Roanoke, Va.
Application May 14, 1940, Serial No. 335,128
7 Claims. (Cl. 32—60)



1. An amalgam carrier comprising a split housing, a handle removably secured to one end of said housing to clamp the housing together, a head having an amalgam receiving chamber removably secured to the opposite end of said housing, a lever pivotally mounted in the housing, and a plunger carried by said lever for reciprocation within the amalgam receiving chamber.

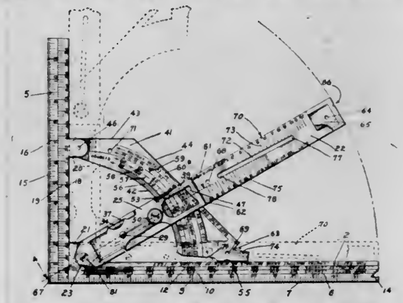
2,251,207
POCKETBOOK LOCK
Samuel Segal, Brooklyn, N. Y.
Application June 15, 1939, Serial No. 279,359
13 Claims. (Cl. 292—67)



1. A lock for hinged front and rear frames wherein a keeper is mounted on said front frame; said lock comprising a casing disposed transversely of said frames and swingably associated therewith, a normally retracted latch slidably carried by said casing and adapted to disconnectably interengage with said keeper and including a manipulating portion disposed at the rear of said rear frame and adapted upon application of finger pressure thereon to move said latch bodily forwardly to disengage said keeper, and spring means for normally holding said latch retracted.

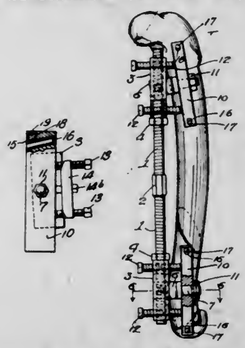
2,251,208
COMBINATION SQUARE
Dallas L. Sigmon, Hickory, N. C.
Application June 30, 1939, Serial No. 282,231
9 Claims. (Cl. 33—93)

1. The combination with a square having body and tongue members, of a radial arm having scale markings thereon substantially as shown and described, a quadrant shaped arm pivotally attached to the tongue member aforesaid, and the said quadrant shaped arm having a pivotal and slidable connection with the said radial arm, the said quadrant shaped arm having provided a straight outer edge adapted to form with the



radial arm the angle of the side cut for hip, valley and jack rafters of a gable roof when the body member and radial arm aforementioned are adjusted to the angle of inclination of the said rafters, and means provided on the said quadrant shaped arm for registering on the scale markings provided on the radial arm aforesaid.

2,251,209
BONE SPLINT
Otto Stader, Ardmore, Pa.
Application February 17, 1940, Serial No. 319,529
23 Claims. (Cl. 128—92)

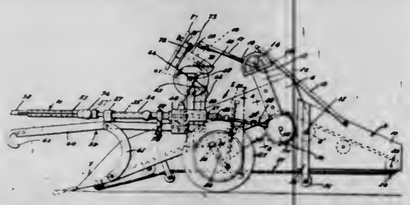


15. An ambulatory bone fracture splint comprising a structure including a rigid longitudinally adjustable support arranged to bridge a bone fracture and to extend in close proximity to and lengthwise of the bone, means for locking said support in the position to which longitudinally adjusted, a pair of base members, means for connecting each base member to a bone fragment at opposite sides of the fracture comprising a pair of skeletal pins spaced to hold the fragment rigid, and means for providing a rigid connection between each of said base members and said rigid support to effect a relatively permanent fixation of the fractured bone fragments, the structure having such rigidity and strength as to permit of the elimination of plaster and like casts and being confined substantially within the limits of the length of the fractured bone to afford articular freedom and use of the limb throughout the union of the fractured bone therein.

20. In an ambulatory bone fracture splint, a

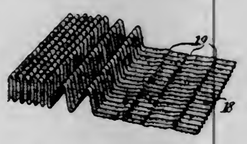
pair of base members, means for connecting each base member to a bone fragment at opposite sides of the fracture, comprising a pair of skeletal pins spaced to hold the fragment rigid, a rigid support connecting said pair of base members, and means electrically insulating the respective pairs of skeletal pins from each other.

2,251,210
POTATO DIGGER
Howard L. Toft, Huston, Idaho
Application September 12, 1940, Serial No. 356,531
2 Claims. (Cl. 55—51)



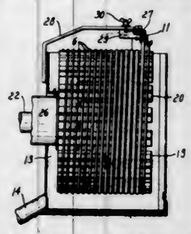
1. In a potato digger, a bed including side panels, a plow share at the forward end of the bed, ground wheels for the support of the bed, means for adjustably connecting the ground wheels to the bed for varying the inclination thereof with respect to the ground, an endless conveyor having one run thereof extending through the bed between the panels thereof, a tail section pivoted on the rear end of the bed and including side panels and having said run of the conveyor extending therethrough, means carried by the bed for the adjustment of the tail section with respect to the ground, a draft hitch connecting the bed to a tractor, a variable transmission carried by the bed, a power shaft including universal joints and telescopic sections connected to the transmission and to the power takeoff of the tractor, a shaft journaled transversely of the bed, means for connecting the shaft to the transmission and including a universal joint, a sleeve journaled on said shaft, a driving means between said sleeve and the shaft, sprocket gears secured to the shaft, said conveyor including endless chains engaging said sprocket gears.

2,251,211
PACKING
Francis W. Armstrong, Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 304,522
4 Claims. (Cl. 288—15)



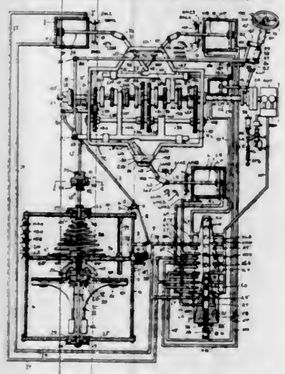
1. A packing material consisting of a sheet of metallic foil formed into a plurality of overlying layers, said sheet being longitudinally pleated with the pleats disposed in lapped relation and said sheet being folded transversely of the pleats whereby the pleats of adjacent layers are disposed in overlying contacting relation, the pleats of each layer and those of adjacent layers being adapted to slide over each other as the packing is distorted by pressure.

2,251,212
MEANS FOR WINDING THREAD OR THE LIKE
Tom Grogan, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application March 11, 1938, Serial No. 195,350
1 Claim. (Cl. 242—53)



Apparatus for handling a thread bundle consisting of a large number of individual filaments which, by reason of the manner of its handling, assumes a flat, substantially ribbon-like form comprising, in combination, a thread-advancing thread store device serving to advance the thread bundle in a helix of closely spaced turns each of which, due to flattening of the thread bundle, tends to spread into contiguity with the others as the thread bundle nears the zone in which it is to be discharged from said thread store device; a housing surrounding said thread store device, said housing consisting of back, bottom and two side walls; and, mounted on one of the walls making up said housing, means supported in spaced relation to the periphery of said thread store device at a point adjacent the zone of discharge of the thread bundle for disengaging the penultimate turn of the helix from the periphery of said thread store device and condensing the filaments thereof into a compact, generally round rope-like bundle.

2,251,213
AUTOMATIC TRANSMISSION
Clive W. Lanphere, Ridgewood, N. J.
Application December 6, 1937, Serial No. 178,359
5 Claims. (Cl. 74—336.5)



1. In a speed changing mechanism, a plurality of rotatable shafts, speed changing means adapted to change the speed ratio of said rotatable shafts, speed controlled means connected to and adapted to be actuated by one of said rotatable shafts, electric means controlled by said speed controlled means, fluid means controlled by said electric means, said fluid means adapted to actuate said speed changing means, said electric means combining in combination a plurality of switches adapted to be actuated by said speed controlled means, a plurality of circuits adapted to be actuated by said plurality of switches, a plurality of magnets adapted to be actuated by said plurality of circuits, and a plurality of circuits adapted to be actuated by said plurality of magnets, said plurality of magnets serving to maintain closed circuits altho said speed controlled means cease to hold said switches closed.

2,251,214
TERPENE ETHERS AND METHOD OF PREPARATION THEREOF
Donald H. Sheffield, Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 28, 1939, Serial No. 301,761
12 Claims. (Cl. 260—611)

9. A terpinyl ether of a halogen substituted lower aliphatic hydrocarbon radical.

2,251,215
PURIFICATION OF ESTERS
John B. Tindall, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application February 2, 1939, Serial No. 254,184
9 Claims. (Cl. 260—499)

1. In a process for the separation of carboxylic esters from a substantially anhydrous ester-alcohol mixture, the step which comprises extracting said ester-alcohol mixture with a polyhydric alcohol containing from 2 to 5 carbon atoms in which the said ester is substantially insoluble, to obtain said ester in a substantially alcohol-free state.

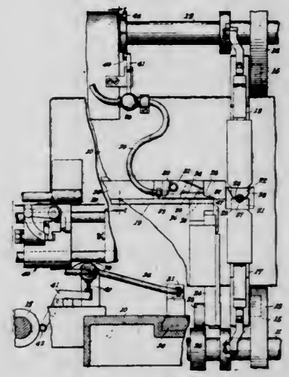
2,251,216
SULPHUR REMOVAL FROM GASES
John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 4, 1939, Serial No. 297,867
11 Claims. (Cl. 23—2)

1. The process of separating an acidic sulphur-containing gas from gaseous mixtures which comprises effecting contact of a gaseous mixture containing an acidic sulphur-containing gas with an absorbent agent in liquid form selected from the group consisting of normally liquid mono- and dialkyl N-substituted aliphatic acid amides and thereafter regenerating the absorbent.

2,251,217
ORE FLOTATION
John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 25, 1940, Serial No. 337,197
7 Claims. (Cl. 209—166)

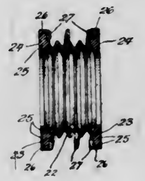
1. In a process for concentrating mineral ores by froth flotation, the step of agitating and aerating an aqueous pulp of the said ore with an organic chemical substance having the following general formula: $CH_2OHCOOR$ wherein R represents alkyl and alicyclic radicals, the sum of the carbon atoms in R being at least one and not more than twelve.

2,251,218
STRIP BENDING AND FORMING MACHINE
Alwyn E. Borton, South Orange, N. J., assignor to Associated Patentees, Inc., Ampere, N. J., a corporation of New Jersey
Application November 3, 1939, Serial No. 302,638
10 Claims. (Cl. 153—49)



1. Apparatus of the character disclosed comprising in combination with a forming post, a tool for bending and holding strip material about one side of said forming post with a free portion of said strip projecting at an angle away from the forming post, a blast nozzle providing a fluid jet directed at said free projecting portion of the strip for blowing said projecting portion of the held strip material about the opposite side of the forming post and a second tool operable toward said opposite side of the forming post for shaping said projecting bent portion of the strip material about said opposite side of the forming post and means for advancing said second bending tool after said blast nozzle has blown the projecting portion of the held strip material into position in front of said second tool.

2,251,219
FLUID SEAL
Olin Brummer, Oak Park, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application March 8, 1941, Serial No. 382,354
1 Claim. (Cl. 288—2)

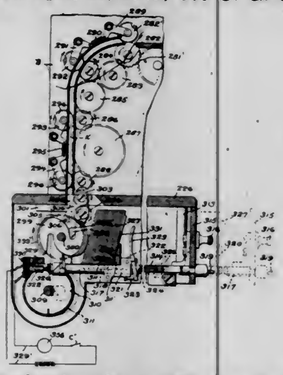


A fluid sealing unit comprising a rubber-like sleeve with bellows folds connecting integral thicker end pieces having outer parallel contact surfaces, and outwardly projecting flanges with inner shoulders outside of said folds, the inner diameter of the end pieces being not substantially less than the inner diameter of the folds, and a coil spring inserted between the shoulders and disposed outside of the folds and free from contact therewith.

2,251,220
RUBBER CEMENT
Arthur W. Campbell, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 25, 1938, Serial No. 221,166
5 Claims. (Cl. 260—759)

1. The improvement in the manufacture of heat vulcanizing rubber cements having solvents of the class consisting of aromatic hydrocarbons and chlorinated aliphatic hydrocarbons which comprises reducing the tendency of said cements to form vulcanized gels on standing at ordinary temperatures by incorporating therein a nitroparaffin containing from 1 to 8 carbon atoms in an amount sufficient to retard vulcanized gelling of the cement on standing and less than is required to precipitate rubber from the cement.

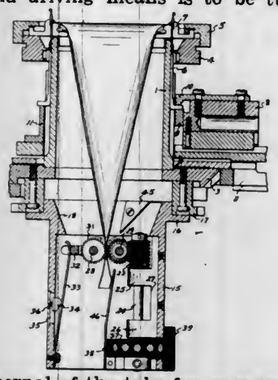
2,251,221
CARD STACKING MECHANISM
Oluf L. Cleven, Washington, D. C.
Original application July 28, 1939, Serial No. 286,976. Divided and this application December 20, 1939, Serial No. 310,193
19 Claims. (Cl. 271—87)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a mechanism for handling and stacking cards, in combination, a stacker hopper having an opening to receive the cards, a movable bottom support for supporting the cards in edgewise position, a rotary stacker arranged to engage the last card in the stack to move said stack and its support toward the outlet end of the hopper, means for rotating the stacker and means for constantly urging the card support and cards stacked thereon toward the stacker with the last card of the stack in engagement with said stacker whereby the movement of the stacker moves the stack and its support toward the outlet of the hopper as the size of the stack is increased.

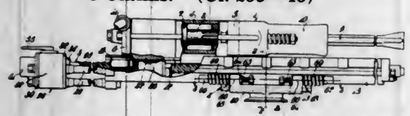
2,251,222
FABRIC TAKE-UP
Arthur N. Cloutier, Lonsdale, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application May 1, 1939, Serial No. 271,050
7 Claims. (Cl. 66—153)

1. A fabric take-up for circular knitting machines having a driven cylinder and having in combination a pair of fabric engaging rollers, driving means for said rollers, and a rotating wheel, a tube enclosing both the engaging rollers and driving means, said tube being slotted for the projection of said rotating wheel by means of which said driving means is to be turned and



means external of the tube for engagement with said wheel thereby to actuate the take-up as the cylinder and tube are rotated.

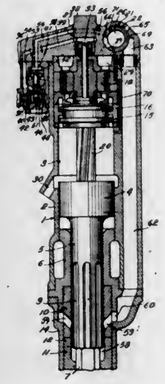
2,251,223
ROCK DRILL
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 5, 1938, Serial No. 206,192
8 Claims. (Cl. 255—45)



8. In combination, in a drilling apparatus, a drill steel actuating motor of the hammer piston type, a longitudinal guideway along which said motor is movable during feeding in a direction longitudinally of said motor, means operatively connecting said motor to said guideway and actuated by the jars imparted to said motor by the hammer piston of the latter for effecting feeding of said motor along said guideway, and means for accentuating the vibratory action resulting from said jars to promote feeding including means for supporting said guideway for opposite longitudinal movements along a path at least substantially parallel to the path of the motor along said guideway and means for resiliently opposing movements of said guideway in either direction from an intermediate position.

2,251,224
ROCK DRILL
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 11, 1940, Serial No. 344,954
15 Claims. (Cl. 121—10)

1. In a rock drill, a cylinder having a bore, a piston reciprocable in said bore, fluid supply and distribution means for effecting reciprocation of said piston, a chuck for receiving and supporting the shank of a hollow drill steel, the chuck having a chamber within which the rear end of the drill steel projects in a position to receive the impact blows of said piston, and selectively operative means for continuously supplying gaseous pressure fluid to said chamber or for continuously connecting said chamber to atmosphere to preclude the building up of a pressure therein and the delivery therefrom of gaseous fluid pressure to the hollow drill steel.

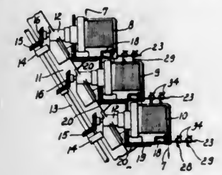


15. In combination, a motor having a cylinder, a piston, and distributing valve mechanism, a hollow drill steel, means for supplying geasous and liquid fluids to said steel and for venting gaseous pressures from said steel, and valve means for effecting a venting of gaseous pressures from the steel or precluding such venting at will, said valve means operative during such venting to preclude the discharge of gaseous fluid under pressure to and through said steel.

2,251,225
SYNTHETIC WAX COMPOSITION AND PROCESS OF PREPARING THE SAME
Charles Dangelmajer, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 8, 1938, Serial No. 200,929
7 Claims. (Cl. 106—33)

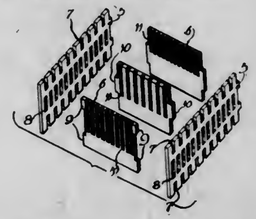
1. A homogeneous, wax product comprising more than 50% 12-hydroxystearin and a minor proportion of abietyl alcohol.

2,251,226
APPARATUS FOR THE PROCESSING OF MULTIPLE FILAMENT THREAD OR THE LIKE
Hayden B. Kline and Louis S. Fryer, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 18, 1939, Serial No. 274,430
5 Claims. (Cl. 28—57)



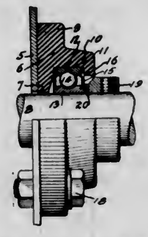
1. In the manufacture of multiple filament thread or the like, the combination of a unitary thread-advancing thread store device upon the periphery of which the thread or the like is advanced in a series of generally helical turns and, disposed intermediate the thread-receiving and thread-discharge portions of the periphery of said device, means adapted to condense the filaments of one or more of said turns into a generally round bundle.

2,251,227
TYPE CHASE
Frederick Kohnle, Dayton, Ohio, assignor to Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio
Application April 19, 1939, Serial No. 268,771
11 Claims. (Cl. 101—391)



1. A type chase comprising a frame, said frame providing a rectangular space, and interfitting type supporting side plates and cross plates fixed in said space and held in assembly by virtue of their engagement therein said plates lying against the respectively opposite side walls of said frame.

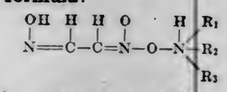
2,251,228
BEARING
Fayette Leister, Detroit, Mich., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Original application August 24, 1936, Serial No. 97,485. Divided and this application October 27, 1938, Serial No. 237,185
1 Claim. (Cl. 308—184)



In a device of the character indicated, a bearing mounting including a block of sound-deadening material to fit against a support, said block having a substantially centrally disposed bearing receiving recess therein the axis of which extends at substantially right angles to the support, an anti-friction bearing mounted in said recess, said bearing including an outer bearing ring circumferentially fitting in said recess, an inner bearing ring and interposed anti-friction bearing members, said block having a generally radially inwardly extending flange to fit against the support and defining one end of said recess and extending inwardly to a point adjacent the bore through said inner bearing ring, said block having a generally radially inwardly extending flange defining the opposite end of said recess and extending inwardly so as to merely confine the outer bearing ring in said recess, said last mentioned flange being deformable to readily admit the anti-friction bearing to be assembled with the block, and means for securing said block to a support.

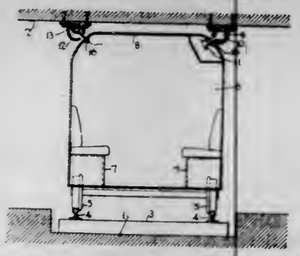
2,251,229
ALKYLAMINE SALTS OF METHAZONIC ACID
Samuel B. Lippincott, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. **Application July 5, 1940, Serial No. 344,069**
6 Claims. (Cl. 260—501)

5. An alkylammonium salt of methazonic acid having the formula:



in which R^1 represents an alkyl group and R^2 and R^3 are chosen from the class consisting of hydrogen and alkyl groups.

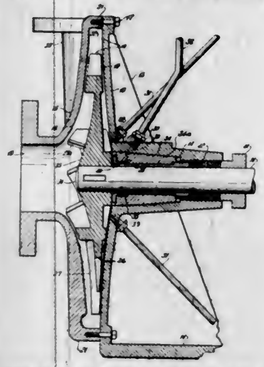
2,251,230
SUBWAY RAIL CAR
Earl J. W. Ragsdale, Norristown, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 10, 1940, Serial No. 328,823
7 Claims. (Cl. 191—35)



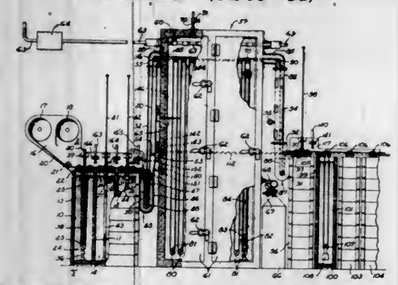
4. Means for supplying electricity and ventilation to a subway track-vehicle, comprising two similar spaced stationary conduits substantially parallel to the track on which the vehicle runs, and each having a continuous slot, narrow as compared with the size of its conduit, extending therealong, in combination with an air scoop located within one of said conduits and substantially filling the inner dimensions thereof, an air pipe carried by the vehicle and passing through the corresponding slot, and leading from said scoop to the interior of the vehicle, a trolley conductor in the other conduit, and a trolley shoe carried by the vehicle and bearing against said conductor.

2,251,231
PUMP CONSTRUCTION
William T. Runals, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 2, 1939, Serial No. 254,189
2 Claims. (Cl. 103—104)

1. A centrifugal pump for latex, said pump comprising a stator member, a cover plate secured to said stator member, said stator member and cover plate having smoothly contoured opposed faces forming a chamber therebetween, the surfaces defining the chamber converging toward the periphery thereof, a shaft journalled in said stator member and extending into said chamber, bearing means journalling said shaft in said stator, said bearing means having an angular circumferential recess therein, means connected to said recess to maintain a liquid under pressure in said recess to urge liquid axially along said shaft and into said chamber to prevent any latex in said chamber from flowing back along said shaft, an impeller having a central web portion and curved blades extending radially therefrom and laterally from both sides thereof fixedly secured to the portion of said shaft in said chamber, the axially outer surfaces of said blades being smoothly contoured to mate with the faces of said cover plate and stator member, an inlet formed in said cover plate and adapted to feed latex into said chamber at the axis of said shaft, a second inlet formed in said stator member so that latex can be fed to both sides of said impeller simultaneously, the portion of said impeller blades adjacent said cover plate extending appreciably farther from said web than the portion thereof adjacent said stator, the ends of said blades adjacent said first inlet being beveled to present gradually increasing areas of said blades to latex fed into the pump, said blades being smoothly curved throughout their entire extent and backwardly relative to the direction of rotation to force latex in said chamber to flow smoothly therefrom as said impeller is rotated, and a smoothly contoured outlet for the pump tangentially connected to the peripheral portion of said chamber.

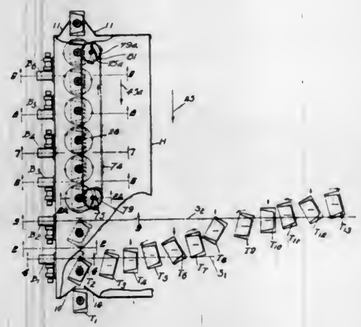


2,251,232
METHOD AND APPARATUS FOR DEVELOPING FILM
Herbert W. Houston, North Hollywood, Calif., assignor to The Houston Corporation, Los Angeles, Calif., a corporation of California
Application November 7, 1938, Serial No. 239,202
9 Claims. (Cl. 95—94)



3. Apparatus for developing film comprising, in combination: a tank containing developing solution; a developing chamber filled with gas inert to said developing solution; and means for moving said film first through said developing solution and then through said developing chamber.

2,251,233
ABRADING APPARATUS
William A. Rosenberger, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application April 22, 1939, Serial No. 269,482
17 Claims. (Cl. 51—9)



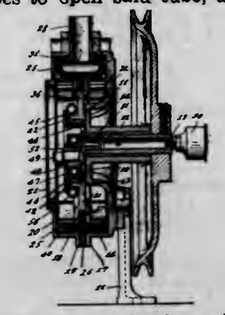
1. In an abrading apparatus for an irregularly shaped article, such as a bathtub or the like, a housing having a primary blasting zone and a secondary blasting zone; blasting means in said zones; a support mounted for travelling movement with respect to said housing, an article carrier mounted on said support for rotation about a substantially vertical axis; means for advancing said support so as to translate said article carrier through said housing; means for rocking said article carrier through a predetermined angle of less than 360 degrees about said vertical axis as it passes through said primary blasting zone for subjecting an article carried thereby to a primary abrading action; and means for continuously rotating said carrier as it travels through said secondary blasting zone, for subjecting the article to a secondary abrading action.

2,251,234
PROCESS AND PRODUCT FOR REMOVING ANIONS
Robert C. Swain, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. **Application December 6, 1940, Serial No. 368,855**
8 Claims. (Cl. 210—24)

1. A process of removing anions from fluid media which comprises contacting a substantially insoluble anion-active material including a biguanide-aldehyde condensation product with a fluid medium containing anions.

2,251,235
PUMP
Jarl M. Weydell, Indianapolis, Ind., assignor of one-half to Edward E. Stout, Indianapolis, Ind.
Application April 25, 1940, Serial No. 331,522
23 Claims. (Cl. 103—149)

1. A pump, comprising a casing having a cylindrical inner wall, a flexible tube lying against said casing wall, means securing the outer tube-wall against said casing wall; a circumferential series of individual shoes bearing against the inner tube-wall and secured thereto, means to successively move said shoes to compress said tube and simultaneously move the diametrically opposite shoes to open said tube, and inlet and discharge ports communicating with said tube at its ends.

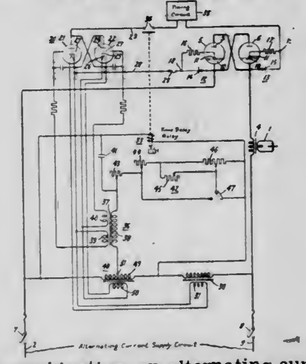


2,251,236
DOUBLE COMPOUND OF PENTAERYTHRITOL AND DIPENTAERYTHRITOL
Joseph A. Wyler and Edwin A. Wernett, Allentown, Pa., assignors to Trojan Powder Company, Allentown, Pa.
No Drawing. **Application March 28, 1940, Serial No. 326,380**
3 Claims. (Cl. 260—615)

1. A pentaerythritol product comprising essentially the compound of the formula

$$(CH_2OH)_3C\cdot CH_2\cdot O\cdot CH_2\cdot C(CH_2OH)_3 \cdot 4C(CH_2OH)_4$$

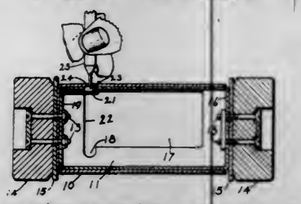
2,251,237
ELECTRIC VALVE CONTROL SYSTEM
Maurice E. Bivens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 29, 1940, Serial No. 343,220
5 Claims. (Cl. 250—27)



1. In combination, an alternating current supply circuit, an alternating current load circuit, electric translating apparatus connected between said circuits and comprising a pair of reversely connected electric valve means each having an anode, a cathode and an immersion-igniter control member, a pair of excitation circuits one of which is connected between the control member and the cathode of one of said electric valve means and the other of which is connected between the control member and the cathode of the other of said electric valve means, and a control circuit connected between said excitation circuits for selectively advancing and retarding

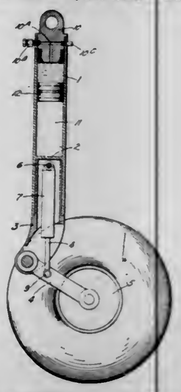
the time during the positive half cycles of anode-cathode voltage applied to said electric valves at which said electric valves are rendered conductive and comprising means for transmitting current from the excitation circuit associated with one of the electric valve means to the excitation circuit associated with the other electric valve means.

2,251,238
PNEUMATIC CARRIER
Herman Busch, Long Island City, N. Y., assignor to Airmatic Systems, Inc., a corporation of New York
Application March 20, 1939, Serial No. 262,802
6 Claims. (Cl. 243—34)



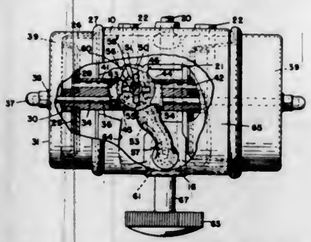
1. In a carrier comprising an outer shell having an open end and a closed end and an inner shell telescoped into the outer shell, an opening in the side of the inner shell, a spring secured internally against the head of the outer shell and having a portion extending inward from said head longitudinally of the shells past said opening in the inner shell, said spring carrying a portion normally fitting in said opening to hold the shells against separation and arranged to flex transversely of the shell out of said opening for permitting shell separation.

2,251,239
UNDERCARRIAGE AND PRESSURE RESERVOIR OF AIRCRAFT
George Herbert Dowty, Cheltenham, England
Application October 12, 1939, Serial No. 299,201
In Great Britain September 17, 1938
2 Claims. (Cl. 244—104)



1. An aircraft landing gear comprising a hollow leg and a landing element carried thereby and upon which the aircraft is supported, a closure wall for one end of said leg, a closure wall extending transversely of the leg intermediate the ends thereof, whereby a fluid tight space is provided in one portion of the leg adapted to contain a fluid under pressure and an open ended space is provided in the remaining portion of the leg, a fluid inlet and a fluid outlet for said fluid tight space, whereby said fluid outlet may be connected to pressure operated mechanisms on the aircraft, a shock absorber mounted in said open ended space, a cantilevered arm pivotally mounted at one end on said leg and carrying said landing element on its opposite end, means pivotally mounting one end of said shock absorber below said intermediate wall to said hollow leg and means pivotally mounting the opposite end to said arm intermediate the ends thereof.

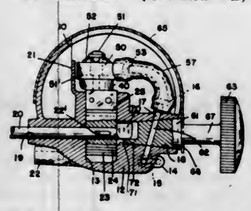
2,251,240
WINDSHIELD WIPER MOTOR
Homer G. Kellogg, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Original application August 29, 1938, Serial No. 227,412. Divided and this application March 25, 1940, Serial No. 325,901
21 Claims. (Cl. 121—123)



2. In a fluid motor, a reciprocable power transmitting member, a valve controlling reciprocation of said member, resilient means for shifting said valve to limiting positions, and means carried in part by said power transmitting member and in part by a stationary part of said motor for preventing shifting of said valve except at the end of each reciprocation.

20. In a fluid motor, a reversing valve shiftable between two positions, a flexible, resilient conduit connecting said valve to a source of fluid pressure, said conduit having portions which are relatively movable upon operation of said motor, one of said portions being connected to said valve to bias the same toward one or the other of its two positions.

2,251,241
WINDSHIELD WIPER OPERATING MEANS
Homer G. Kellogg, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Original application August 29, 1938, Serial No. 227,412. Divided and this application March 25, 1940, Serial No. 325,902
10 Claims. (Cl. 121—1)

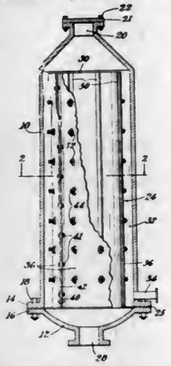


1. A windshield wiper comprising a frame, an oscillatable wiper arm shaft journaled in said frame, a fluid motor, driving means connecting said motor and said shaft, a manually actuated

rotatable valve controlling said motor, and cooperating means on said valve and said shaft engageable when said valve is rotated toward closed position and adapted to mechanically move said shaft to limiting position and to retain said shaft in limiting position.

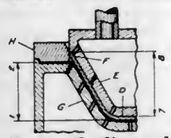
2. In a windshield wiper, a frame having an opening therein, a valve chamber, a valve removably positioned in said chamber, a resilient cover adapted to be sprung over said frame to close said opening, said frame engaging said valve to retain said valve in said chamber.

2,251,242
COKING APPARATUS
Valentine Mekler, Jackson Heights, and August Henry Schutte, Tuckahoe, N. Y., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Application December 24, 1940, Serial No. 371,496
6 Claims. (Cl. 202—262)



1. A coking chamber of the class described, including an outer chamber, a plurality of sections adapted to form an internal chamber, means to hold said sections in assembled position, means to form a coke body within said sections, and means carried by said sections for separation of the coke formed within said internal chamber, said means including a plurality of pressure strips for each section and pressure-applying devices, and means in said pressure strips to receive and hold said pressure-applying devices.

2,251,243
ART OF PULP MOLDING
Walter H. Randall, Waterville, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland, Portland, Maine, a national banking association of the United States of America, as trustee
Application June 16, 1937, Serial No. 148,544
2 Claims. (Cl. 92—56)



1. In the method of die-molding and die-drying and interiorly smooth finishing a fibrous pulp container for foods and beverages having a side wall terminating in an open mouth provided with a reinforced edge, the steps which comprise suction-forming from an aqueous fibrous pulp mixture a sheet of molded fibrous pulp on a female foraminous forming die to approximately the desired finished article shape, transferring the wet article from said forming die by means of a male transfer die of complemental shape to the forming die to a foraminous female holding die of the same shape as the forming die but of less depth whereby to provide surplus pulp at the edge section of the wet formed article for subsequent compacting and reshaping while on said holding die, compressing the wet article on the holding die with a male drying and finishing die of complemental shape to the holding die but having its article engaging edge so shaped as to reform the edge section of the wet article to a generally beaded shape which is of greater sectional area and density than the adjacent wall of the article, and drying and interiorly smooth finishing the wet article with its reshaped edge between the holding die and the drying and finishing die under mechanical pressure and with heat applied by at least one of said dies.

2,251,244
PRESSURE REGULATOR
George C. Stanley, Great Barrington, Mass.
Application October 6, 1939, Serial No. 298,207
18 Claims. (Cl. 166—2)



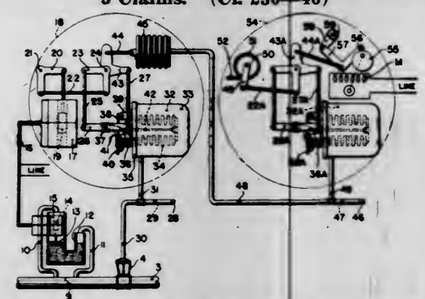
1. In a pressure regulator for oil wells and the like, and in combination, means forming a passage for the flow of fluid, a control unit comprising a valve element located in said passage for controlling the flow of fluid therethrough, the valve of said control unit being urged in one direction by the pressure of the fluid column below the regulator, means for effecting a substantially constant pressure on said control unit counter to the pressure of said fluid column, and means whereby the effects on the operation of the control unit of fluctuations of pressure in the fluid column above the valve elements are substantially eliminated.

2,251,245
PRODUCTION OF HYDROXY ALKYL AMINES
Richard Wegler, Leverkusen-Schlebusch, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 14, 1939, Serial No. 299,522. In Germany October 1, 1938
3 Claims. (Cl. 260—570.8)

3. The process for preparing hydroxy lower alkyl amines which comprises heating to a tem-

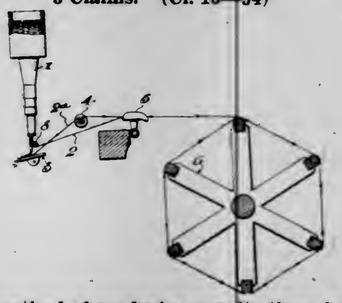
perature between about 80 and about 170° C., a mixture of a hydroxy lower alkyl amine and formamide with a carbonyl compound selected from the group consisting of aliphatic ketones, aryl aldehydes and lower alkyl-aryl ketones, to form a hydroxy alkyl formylamine in the reaction mixture and thereupon heating the mixture to a temperature between about 150 and about 260° C. to split off carbon dioxide and to form hydroxy lower alkyl amines from the hydroxy alkyl formylamine and the carbonyl compound.

2,251,246
DIGESTER CONTROL
Douglas H. Annin, San Francisco, Calif., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 19, 1938, Serial No. 235,743
5 Claims. (Cl. 236—46)



1. Digester control apparatus comprising in combination with a digester, a steam line leading thereto, a valve in said line, a flow control apparatus to regulate said valve, said apparatus having a control point adjustment, a temperature responsive apparatus responsive to the temperature in the digester to adjust the control point of the flow control apparatus, and means to regulate said temperature responsive apparatus in accordance with a predetermined schedule.

2,251,247
NOVELTY YARN
Gotthard Bauriedel, Warmbrunn, near Hirschberg i. R., and Erich Sellner, Wuppertal-Barmen, Germany
Application May 17, 1938, Serial No. 208,404
In Germany May 25, 1937
3 Claims. (Cl. 18—54)

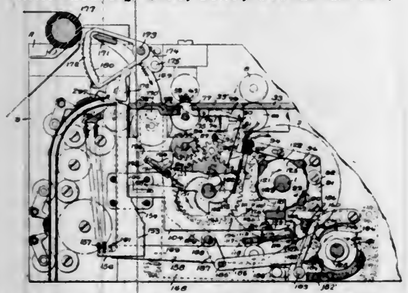


1. A method of producing novelty threads comprising the steps of extruding two separate filaments from a coagulable cellulosic spinning solution into separate coagulating baths of similar composition, one of said filaments being extruded at a faster rate than the other of said filaments whereby the slower extruded filament is coagulated to a greater degree than the faster extruded filament, impinging the faster extruded filament upon a plate set at an angle to the horizontal, thereafter bringing the two filaments together while passing them through an acid regenerating bath and collecting the joined filaments at the speed of the slower extruded filament whereby loops are formed on said faster extruded filament when it impinges on said plate and prior to the bringing of the two filaments together.

2,251,248
PROCESS FOR THE REMOVAL OF PHOSPHORUS FROM MANGANESE ORES
Troy W. Carney, Fort Smith, Ark.
No Drawing. Application October 25, 1940, Serial No. 362,788
4 Claims. (Cl. 75—6)

1. A process for removal of phosphorus from manganese ores, consisting in igniting a manganese oxide ore with a manganese sulphate, all in finely ground condition, at a temperature sufficient to decompose the sulphate and drive off sulphur trioxide, after which the calcined ore is extracted with water.

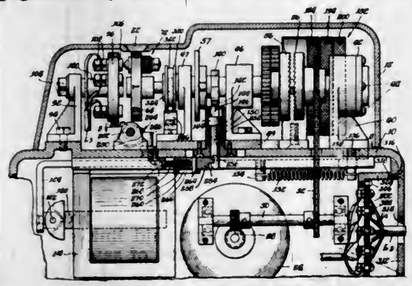
2,251,249
TENS-CARRY MECHANISM
Oluf L. Cleven, Washington, D. C.
Original application July 28, 1939, Serial No. 286,976. Divided and this application December 20, 1939, Serial No. 310,192
8 Claims. (Cl. 235—137)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine of the character described, in combination, accumulator wheels of lower and higher order, a tens-carry element carried by the lower order wheel, a lever capable of a joint reciprocating and pivotal movement for the lower order wheel, means common to all of said levers for maintaining the lever in normal position, means carried by said lever and cooperating with the tens-carry element of the accumulator wheel to disengage said lever from its maintaining means to condition it for tens-carry on the next higher order wheel, means carried by the lever for actuating the next higher order accumulator wheel as said lever is restored to normal position, and means for moving said lever to normal position to effect a tens-carry.

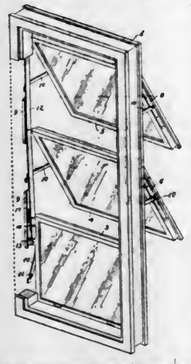
2,251,250
DISPLAY DEVICE
Thomas A. Keen, San Mateo, Calif., assignor to Hannah M. Smith, Chicago, Ill.
Application January 4, 1940, Serial No. 312,347
12 Claims. (Cl. 161—18)

1. A timing indicator comprising a time indicating display means, constant speed drive means, a control element mounted for movement along a first path to successive positions and for movement from each of said positions along a second path transverse to the first path, means operatively connecting said control element to said drive means to drive said element along said first path at a predetermined constant timing rate, cooperating control elements mounted out of the path of said movable control element as it moves along said first path and disposed for engagement by said movable control element as



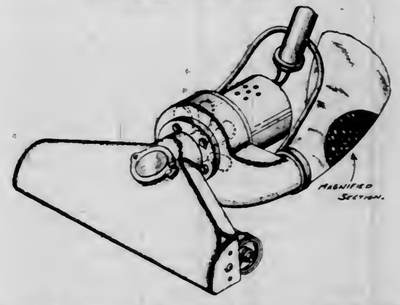
it moves from each of said positions along said second path, means controlled by said fixed and movable control elements when engaged to operate said display means, means controlling the operative connection of said movable control element to said drive means upon the initiation of the time period to be measured and means for shifting said control element from each of said positions along said second path into engagement with one of said cooperating control elements at the termination of the measured time period whereby to actuate the display means.

2,251,251
MULTIPLE WINDOW SASH CONSTRUCTION
Albert G. Larson, Larkspur, Calif., assignor, by mesne assignments, to MacDonald Hardware Manufacturing Company, San Francisco, Calif., a copartnership consisting of Graeme MacDonald, Edmund B. MacDonald, and Tomlinson I. Mosely
Application April 24, 1935, Serial No. 17,946
14 Claims. (Cl. 20—42)



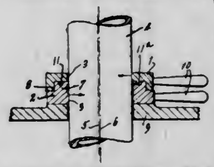
1. A multiple window sash construction comprising, a window frame; a plurality of sashes in said frame; guides at corresponding points on opposite sides of said frame; a raised cam in each of said guides; slides in said guides pivotally secured at corresponding points on opposite sides of an end of each of said sashes; carrier arms pivotally connected to each of said sashes and to the frame at corresponding points on opposite sides thereof; bars slidably guided on each of the opposite sides of said frame and connected to the slides of all sashes but one, the slides on said one sash being detachably connected to said bars, whereby the opening and closing movements of all said sashes are controlled by said one sash; and means on each of said bars cooperating with the slides of said one sash and said raised cams to disconnect said bars from said slides when all of said sashes are fully opened whereby said one sash may be operated independently of said other sashes.

2,251,252
AIR FILTER MATERIAL FOR VACUUM CLEANERS AND THE LIKE
Stanley P. Lovell, Newtonville, Mass., assignor to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
Application September 11, 1940, Serial No. 356,341
7 Claims. (Cl. 183—51)



1. In a vacuum cleaner, a porous dust-collecting bag of thin felted material including in its structure 10% to 35% of fibres responsive to heat and rendered tacky thereby, and 90% to 65% of commercial felt-making fibres not responsive to heat.

2,251,253
CLAMPING CONNECTION
Albert W. Miller, Jamaica, N. Y.
Application April 22, 1940, Serial No. 330,859
7 Claims. (Cl. 285—30)



1. In a clamping connection, the combination of a pair of abutting clamp members with aligning openings, rotatable with respect to each other, axially aligned clamped means including a part capable of passing through said openings, said clamping members having an eccentric connection between the same, eccentric to the axis of said clamped member, said eccentric connection having a neutral position in which the said part of the clamped means can be slid into the openings, said eccentric connection capable of rotation beyond the angle at which the maximum lateral displacement of said clamp members occurs, and a stop for limiting the relative rotation of said clamping members after being rotated beyond the said angle of maximum relative lat-

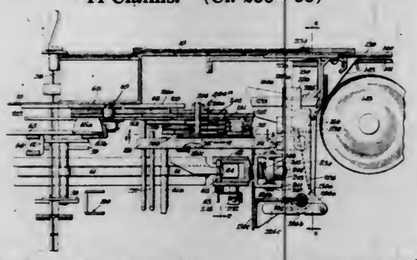
eral displacement of the eccentric connection, whereby a resistance to rotation in a reverse direction is set up.

2,251,254

VOTING MACHINE

Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware

Application March 7, 1939, Serial No. 260,288
44 Claims. (Cl. 235—55)



9. In a voting machine, a carrier mounted for reciprocation between a rest position and an actuated position, means for effecting reciprocation of said carrier, a plurality of plates, means interengaging said carrier and said plates for supporting said plates by said carrier for movement relative thereto in the direction of carrier reciprocation and for movement with said carrier, means for actuating each of said plates relative to the remainder and maintaining the same in actuated position during reciprocation of said carrier, a plurality of longitudinally movable draw bars, and a pin carried by each draw bar, some of said pins projecting into the path of one plate and the remainder projecting into the path of more than one plate for engagement by an actuated plate upon movement of said carrier from its rest position to its actuated position.

19. In a voting machine, a carrier supported for horizontal reciprocation, means for effecting reciprocation thereof, a vertical plate, means inter-engaging said carrier and said plate for supporting said plate by said carrier for horizontal movement with and relative to said carrier and enforcing vertical movement of said plate during horizontal movement thereof relative to the carrier, a horizontally movable pull rod for said plate having two different level horizontal surfaces defining a vertical shoulder, a pin carried by said plate in overlying relation to said rod for engagement by said shoulder to effect movement of said plate relative to said carrier upon horizontal movement of the pull rod, the upper surface of said rod being engageable by said pin after elevation of said plate to hold the same in elevated position during reciprocation of said carrier, a horizontally movable draw bar, and means carried by said bar for engagement by said plate, if actuated, upon reciprocation of said carrier.

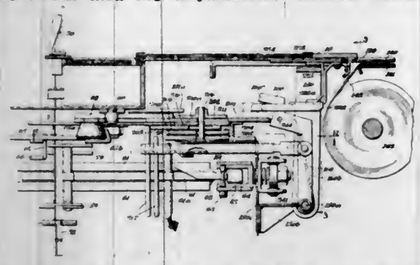
2,251,255

VOTING MACHINE

Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware

Application September 13, 1940, Serial No. 356,595
15 Claims. (Cl. 235—55)

1. In a voting machine, a pivoted arm, a voter-actuated slide movable between a first and a second position and effective upon movement from its first to its second position to engage said arm to effect movement thereof in one direction, a reciprocating carrier normally obstructing movement of said arm in said direction and movable out of obstructing relation and effective upon its return movement to move said arm in the opposite direction, a link connected to said arm, a plate supported by said carrier for movement therewith and for adjustment thereon between



two positions, means for effecting adjustment of said plate, means to effect reciprocation of said carrier, a member on said link engageable by said plate upon movement of said carrier out of obstructing relation to said arm with said plate in one position of adjustment on said carrier to swing said arm in said one direction, and means effective upon actuation of said arm by said carrier to lock said slide in its first position.

2,251,256

PURIFYING OF EARTHY MINERALS

William Feldenheimer, London, England

No Drawing. Application August 28, 1936, Serial No. 98,338
12 Claims. (Cl. 252—1)

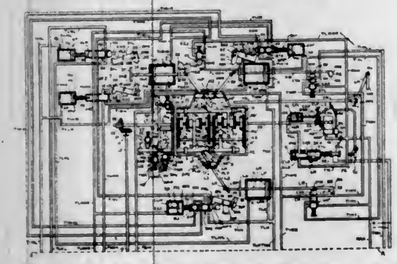
8. In a process for improving the quality of earthy minerals such as a clay slip, the steps of bleaching the slip in aqueous suspension with a water-soluble bleaching-metal-salt of hydrosulphurous acid, said metal being replaceable by an alkaline metal to provide a substantially insoluble metal compound, adding a compound of an alkaline metal capable of forming such an insoluble compound and in quantity sufficient to completely neutralize acidity of the clay slip, and improving the color of and thickening the said neutral slip by adding additional compound of the alkaline metal to deposit additional solids at a pH value materially above neutrality and up to a point of excessive alkalinity, at which latter point additional solids will redissolve and color will recede.

2,251,257

AUTOMATIC PNEUMATIC TRANSMISSION

Clive W. Lanphere, Ridgewood, N. J.

Application May 6, 1939, Serial No. 272,217
22 Claims. (Cl. 74—336.5)



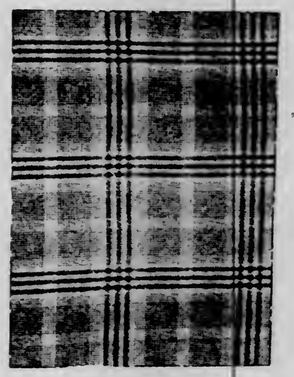
1. In a speed changing mechanism, driving means, driven means, speed changing means including in combination fluid means, said speed changing means adapted to change the speed ratio of said driving means and said driven means from a lower to a higher and from a higher to a lower ratio, a plurality of valvular means for controlling said fluid means, a plurality of reciprocating means adapted to actuate said valvular means, automatic centrifugal means adapted to automatically contact and actuate said reciprocating means, and control means adapted to be actuated by said reciprocating means, said control means adapted to prevent said automatic centrifugal means actuating a plurality of said reciprocating means simultaneously.

528 O. G.—83

DESIGNS

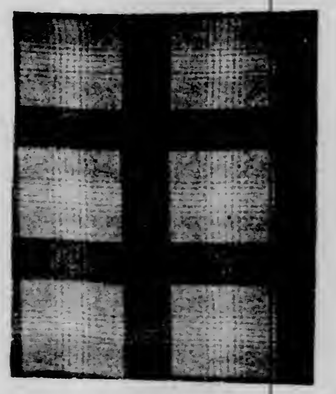
JULY 29, 1941

128,469
DESIGN FOR A TEXTILE FABRIC
John H. Abt, New York, N. Y.
Application June 19, 1941, Serial No. 101,565
Term of patent 3½ years



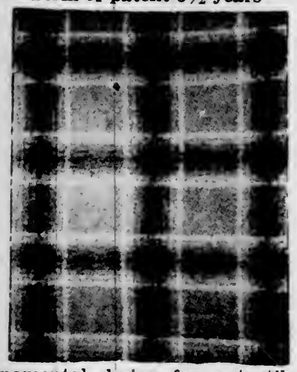
The ornamental design for a textile fabric, substantially as shown.

128,470
DESIGN FOR A TEXTILE FABRIC
John H. Abt, New York, N. Y.
Application June 19, 1941, Serial No. 101,566
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

128,471
DESIGN FOR A TEXTILE FABRIC
John H. Abt, New York, N. Y.
Application June 19, 1941, Serial No. 101,567
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

128,472
DESIGN FOR AN ICE CREAM CONE JACKET
James Balton, Baltimore, Md., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland
Application November 29, 1940, Serial No. 96,957
Term of patent 14 years



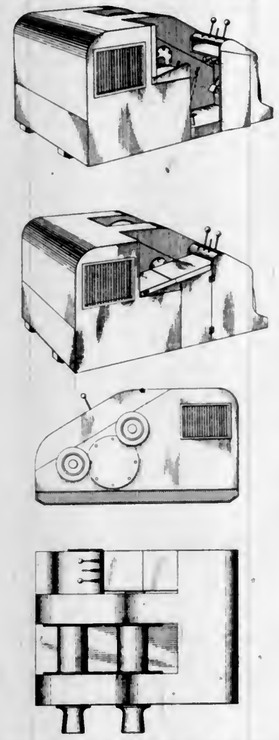
The ornamental design for an ice cream cone jacket, substantially as shown.

128,473
DESIGN FOR AN ICE CREAM CONE JACKET
James Balton, Baltimore, Md., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland
Application December 2. 1940. Serial No. 97,013
Term of patent 14 years



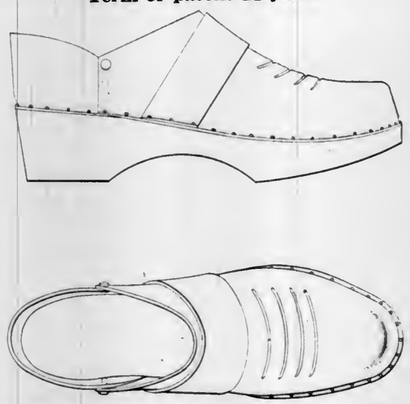
The ornamental design for an ice cream cone jacket, substantially as shown.

128,474
DESIGN FOR A HOIST
Ola L. Berby, Duluth, Minn., assignor to Clyde Iron Works, Duluth, Minn., a corporation of Maine
Application March 28, 1940, Serial No. 91,295
Term of patent 3½ years



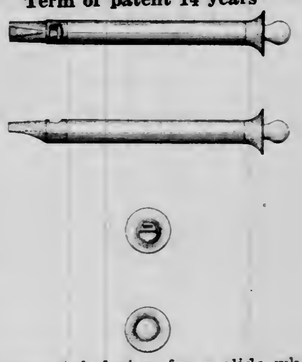
The ornamental design for a hoist, as shown.

128,475
DESIGN FOR A SHOE
Gus E. Bergman, Columbus, Nebr.
Application March 5, 1941, Serial No. 99,360
Term of patent 14 years



The ornamental design for a shoe, as shown.

128,476
DESIGN FOR A SLIDE WHISTLE
Maurice H. Berlin, Chicago, Ill., assignor to Chicago Musical Instrument Co., Chicago, Ill., a corporation of Illinois
Application May 19, 1941, Serial No. 101,006
Term of patent 14 years

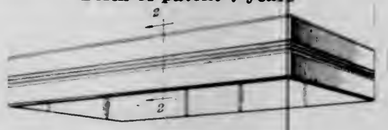


The ornamental design for a slide whistle, as shown.

128,477
DESIGN FOR A POWER SHOVEL CAB
Lawrence E. Blazey, Cleveland, Ohio, assignor to The Byers Machine Company, Ravenna, Ohio, a corporation of Ohio
Application May 14, 1941, Serial No. 100,939
Term of patent 14 years

The ornamental design for a power shovel cab, as shown.

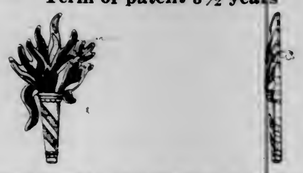
128,478
DESIGN FOR A LIGHTING FIXTURE
Thomas A. Carter, Jr., Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application May 19, 1941, Serial No. 101,008
Term of patent 7 years





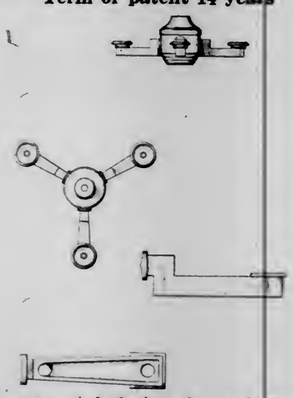
The ornamental design for a lighting fixture, as shown and described.

128,479
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
F. H. Peter Cusick, New York, N. Y.
Application May 24, 1941, Serial No. 101,119
Term of patent 3½ years



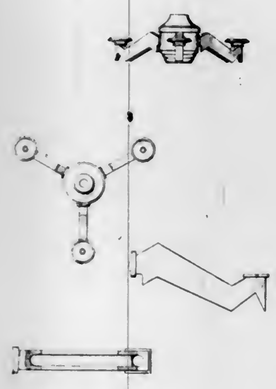
The ornamental design for a brooch or similar article, substantially as shown.

128,480
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 14, 1940, Serial No. 97,314
Term of patent 14 years



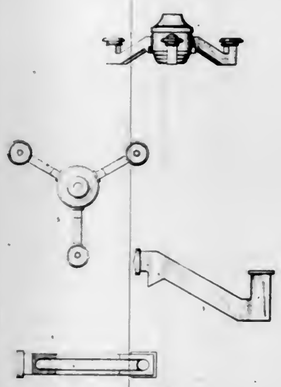
The ornamental design for a lamp head, as shown and described.

128,481
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 14, 1940, Serial No. 97,315
Term of patent 14 years



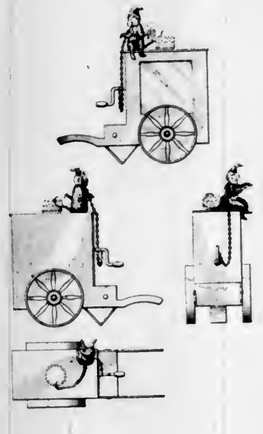
The ornamental design for a lamp head, as shown and described.

128,482
DESIGN FOR A LAMP HEAD
August O. Elting, Chicago, Ill.
Application December 14, 1940, Serial No. 97,316
Term of patent 14 years



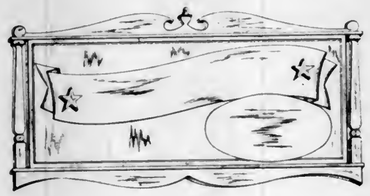
The ornamental design for a lamp head, as shown and described.

128,483
DESIGN FOR A SUPPORT FOR COLOGNE BOTTLES
Charles H. Foster, New York, N. Y., assignor to Babs Creations, Incorporated, New York, N. Y., a corporation of New York
Application April 9, 1941, Serial No. 100,259
Term of patent 7 years



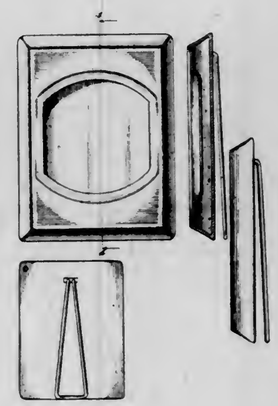
The ornamental design for a support for cologne bottles, as shown.

128,484
DESIGN FOR A SIGN OR SIMILAR ARTICLE
Joseph K. Franks, Morristown, N. J.
Application November 30, 1940, Serial No. 96,969
Term of patent 3½ years



The ornamental design for a sign or similar article, as shown and described.

128,485
DESIGN FOR A FLOWER VASE
Horace A. Fuld, New York, N. Y.
Application April 15, 1941, Serial No. 100,385
Term of patent 7 years



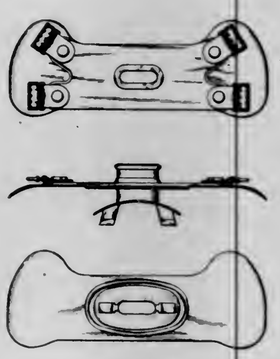
The ornamental design for a flower vase, substantially as shown.

128,486
DESIGN FOR A SACHET
Nancy Goodstein, New York, N. Y.
Application December 4, 1940, Serial No. 97,052
Term of patent 3½ years



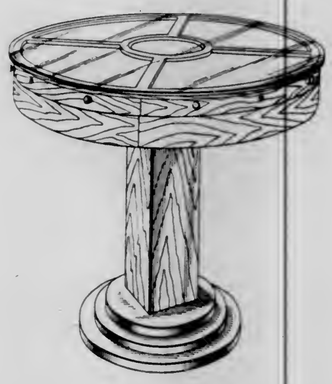
The ornamental design for a sachet, as shown.

128,487
DESIGN FOR A FACEPIECE FOR BREATHING APPARATUS
Daniel A. Green, North Braddock Township, Allegheny County, and Carey B. Jackson, Forest Hills, Pa.
Application December 4, 1940, Serial No. 97,062
Term of patent 14 years



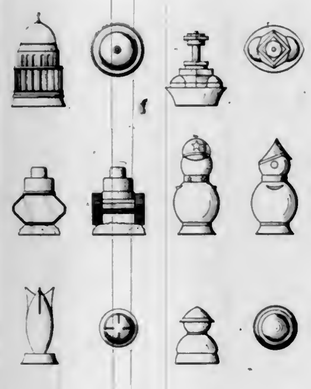
The ornamental design for a facepiece for breathing apparatus, substantially as shown.

128,488
DESIGN FOR A DISPLAY TABLE
Robert J. Gunder, Manor Township, Lancaster County, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application February 23, 1940, Serial No. 90,463
Term of patent 14 years



The ornamental design for a display table, as shown and described.

128,489
DESIGN FOR A SET OF GAME PIECES
Roger K. Harlan, Dallas, Tex.
Application December 11, 1940, Serial No. 97,261
Term of patent 7 years



The ornamental design for a set of game pieces, as shown.

128,490
DESIGN FOR A SPRAY GUN
Stanley A. Hayes, Berkeley, Calif.
Application May 13, 1941, Serial No. 100,924
Term of patent 14 years



The ornamental design for a spray gun, as shown.

128,491
DESIGN FOR A BOTTLE
Fred R. Hoch, Bristol, Mass., assignor to T. J. Holmes Co. Inc., Chartley, Mass., a corporation of Massachusetts
Application March 5, 1941, Serial No. 99,365
Term of patent 7 years

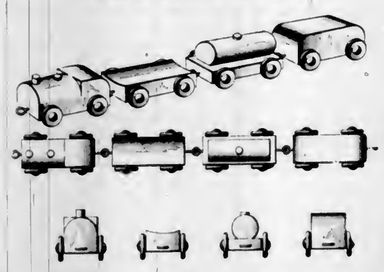


The ornamental design for a bottle substantially as shown.

128,492
DESIGN FOR A GAME BOARD
Paul Jolley, Ponderay, Idaho
Application February 3, 1941, Serial No. 98,714
Term of patent 14 years

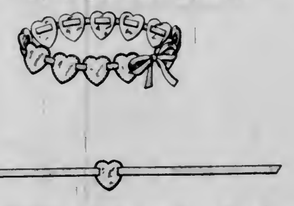
The ornamental design for a game board, as shown.

128,493
DESIGN FOR A TOY TRAIN
Marshal H. Larrabee, Skaneateles, N. Y.
Application May 5, 1941, Serial No. 100,796
Term of patent 14 years



The ornamental design for a toy train, as shown.

128,494
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Herbert Z. Lerner and Fred Goldsmith, Jr., Memphis, Tenn.
Application May 12, 1941, Serial No. 100,910
Term of patent 3½ years



The ornamental design for a bracket or similar article, as shown.

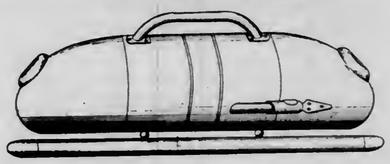
128,495
DESIGN FOR A PURSE
Leo Loeb, New York, N. Y.
Application April 29, 1941, Serial No. 100,698
Term of patent 7 years





The ornamental design for a purse, as shown and described.

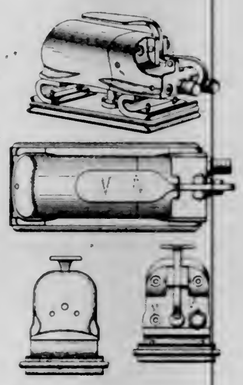
128,496
DESIGN FOR A VACUUM CLEANER
Johannes Andries Christiaan Malchus, Amsterdam, Netherlands
Application October 10, 1940, Serial No. 95,752
Term of patent 7 years





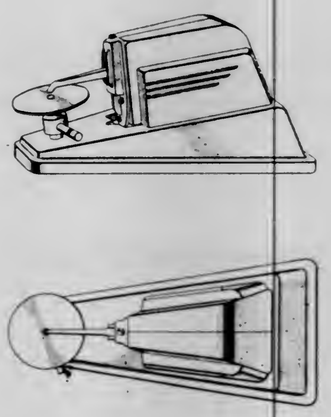
The ornamental design for a vacuum cleaner, substantially as shown.

128,497
DESIGN FOR A COMBINED ABRADING AND POLISHING MACHINE
Charles T. Oppermann, Detroit, Mich., assignor of one-half to Fred A. Oberheu, Lake Orion, Mich.
Application April 18, 1941, Serial No. 100,490
Term of patent 7 years



The ornamental design for a combined abrading and polishing machine, substantially as shown.

128,498
DESIGN FOR A DEVICE FOR EXPANDING PISTONS
Harry Panfill, Los Angeles, Calif., assignor to Allan O. Marsh, doing business as Master Products Manufacturing Company, Los Angeles, Calif.
Application January 8, 1941, Serial No. 97,884
Term of patent 3½ years



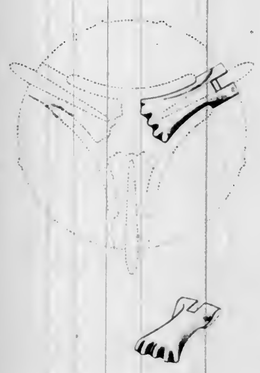
The ornamental design for a device for expanding pistons, as shown.

128,499
DESIGN FOR AN INCENSE BURNER OR ANALOGOUS ARTICLE
Clarence William Parker, Lynn, Mass.
Application March 14, 1941, Serial No. 99,598
Term of patent 7 years



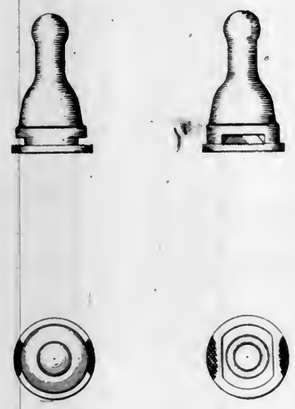
The ornamental design for an incense burner or analogous article, as shown.

128,500
DESIGN FOR A UTENSIL SUPPORT PROTECTOR FOR COOK STOVE TOP BURNERS
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 94,203
Term of patent 7 years



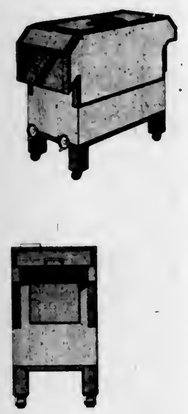
The ornamental design for a utensil support protector for cook stove top burners, substantially as shown and described.

128,501
DESIGN FOR A NIPPLE
Cyril R. Porthouse, Kent, and William B. McIntosh, Akron, Ohio
Application November 16, 1940, Serial No. 96,634
Term of patent 14 years



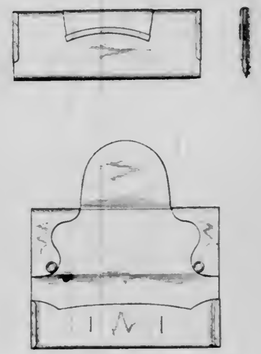
The ornamental design for a nipple, as shown.

128,502
DESIGN FOR A CABINET FOR A CONTINUOUS COOKER
Walter R. Scharsch, Stockton, Calif., assignor to Cogrisch Products, Inc., Stockton, Calif., a corporation of California
Application May 16, 1941, Serial No. 100,982
Term of patent 14 years



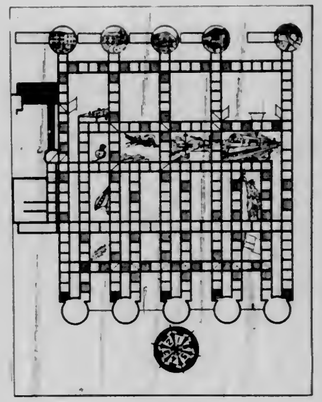
The ornamental design for a cabinet for a continuous cooker as shown and described.

128,503
DESIGN FOR A VANITY CASE
Jacques Schwalbe, New York, N. Y.
Application November 28, 1940, Serial No. 96,911
Term of patent 7 years



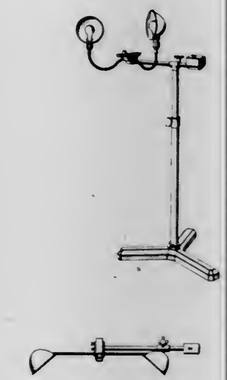
The ornamental design for a vanity case, as shown.

128,504
DESIGN FOR A GAME BOARD
Orestes A. Scott, New York, N. Y.
Application November 12, 1940, Serial No. 96,504
Term of patent 7 years



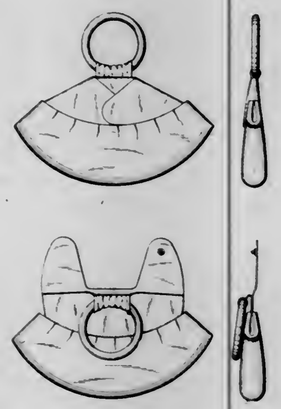
The ornamental design for a game board, as shown and described.

128,505
DESIGN FOR AN ILLUMINATING CAMERA STAND
Joseph L. Simpson, Los Angeles, Calif.
Application April 1, 1941, Serial No. 100,077
Term of patent 14 years



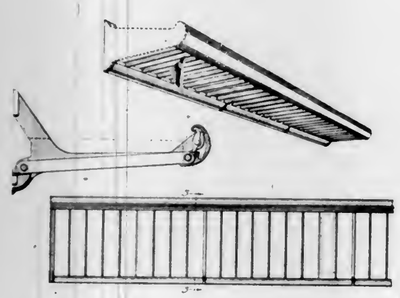
The ornamental design for an illuminating camera stand, substantially as shown and described.

128,506
DESIGN FOR A HANDBAG
Nathan Sloane and Max Sloane, Brooklyn, N. Y.
Application June 7, 1941, Serial No. 101,345
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown and described.

128,507
DESIGN FOR A BAGGAGE RACK OR SIMILAR ARTICLE
Lemuel L. Stewart, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application November 24, 1937, Serial No. 73,177
Term of patent 14 years



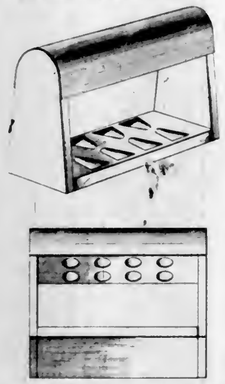
The ornamental design for a baggage rack or similar article, as shown and described.

128,508
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Frank S. Trumbull, Providence, R. I.
Application May 27, 1941, Serial No. 101,173
Term of patent 3½ years



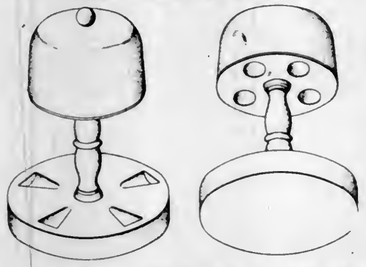
The ornamental design for a spoon or similar article, substantially as shown.

128,509
DESIGN FOR A PIPE RACK
James V. Vevirit, Lewiston, N. Y., assignor to McDonald Products Corporation, Buffalo, N. Y.
Application May 16, 1941, Serial No. 100,984
Term of patent 7 years



The ornamental design for a pipe rack, as shown.

128,510
DESIGN FOR A PIPE RACK
James V. Vevirit, Lewiston, N. Y., assignor to McDonald Products Corporation, Buffalo, N. Y.
Application May 16, 1941, Serial No. 100,985
Term of patent 7 years



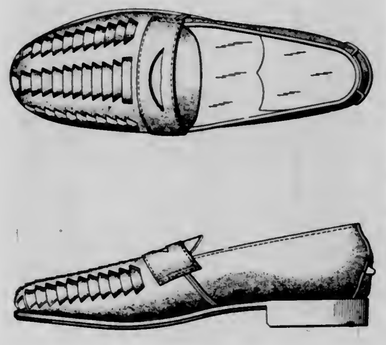
The ornamental design for a pipe rack, as shown.

128,511
DESIGN FOR A COIN HOLDER
Matthias Weisz, New York, N. Y., assignor to Walter Brach & Co., Inc., New York, N. Y., a corporation of New York
Application May 14, 1941, Serial No. 100,930
Term of patent 7 years



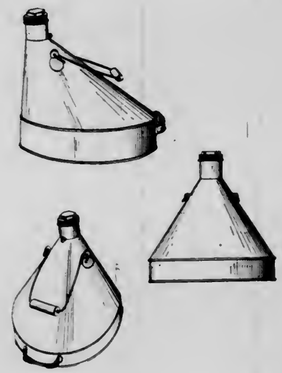
The ornamental design for a coin holder, as shown.

128,512
DESIGN FOR A SLIPPER
Clark L. Wilcox, Brockton, Mass., assignor to Field and Flint Co., Brockton, Mass., a corporation of Massachusetts
Application June 11, 1941, Serial No. 101,399
Term of patent 14 years



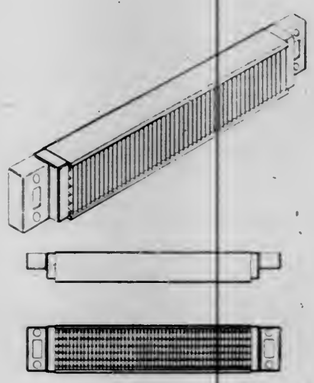
The ornamental design for a slipper, substantially as shown.

128,513
DESIGN FOR A GASOLINE CAN
William W. Wittie, Chicago, Ill.
Application November 28, 1940, Serial No. 96,907
Term of patent 7 years



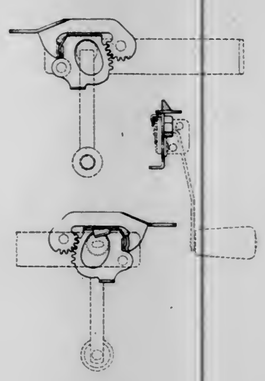
The ornamental design for a gasoline can, as shown.

128,514
DESIGN FOR A HEAT EXCHANGER CORE UNIT
Fred M. Young, Racine, Wis.
Application November 4, 1940, Serial No. 96,287
Term of patent 14 years



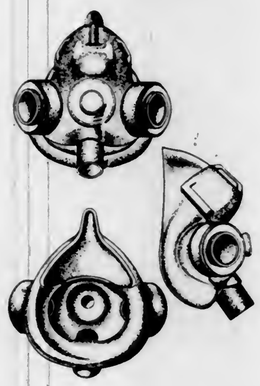
The ornamental design for a heat exchanger core unit, as shown.

128,515
DESIGN FOR A CAN OPENER
Myron J. Zimmer, Chicago, Ill.
Application October 31, 1940, Serial No. 96,224
Term of patent 3½ years



The ornamental design for a can opener, as shown and described.

128,516
DESIGN FOR A BREATHING MASK
Walter M. Boothby and Arthur H. Bulbulian, Rochester, Minn.
Application April 26, 1941, Serial No. 100,630
Term of patent 14 years



The ornamental design for a breathing mask, substantially as shown.

128,517
DESIGN FOR A BREATHING MASK
Walter M. Boothby, and Arthur H. Bulbulian, Rochester, Minn.
Application April 26, 1941, Serial No. 100,631
Term of patent 14 years



The ornamental design for a breathing mask, substantially as shown.

128,518
DESIGN FOR A SHOE
Richard P. Boothby, Auburn, Maine
Application May 29, 1941, Serial No. 101,225
Term of patent 7 years



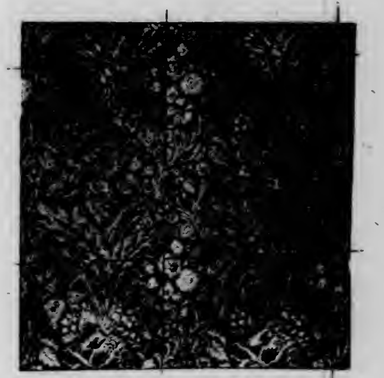
The ornamental design for a shoe, substantially as shown and described.

128,519
DESIGN FOR A TENNIS SHOE
John E. Hard, Cranston, R. I., assignor to Goodyear Footwear Corporation, Providence, R. I., a corporation of Delaware
Application April 23, 1941, Serial No. 100,582
Term of patent 14 years



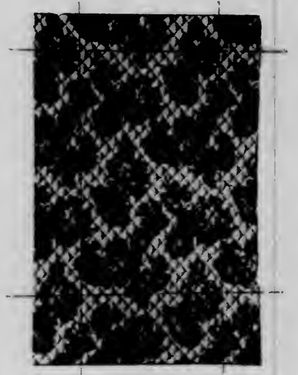
The ornamental design for a tennis shoe, substantially as shown and described.

128,520
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application July 5, 1941, Serial No. 101,908
Term of patent 3½ years



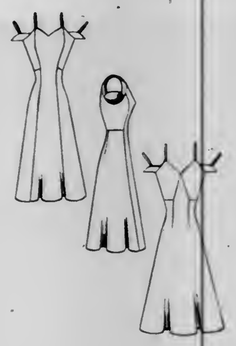
The ornamental design for a textile fabric, substantially as shown and described.

128,521
DESIGN FOR A TEXTILE FABRIC
Edward Donald Witt, New Canaan, Conn.
Application June 28, 1941, Serial No. 101,794
Term of patent 3½ years



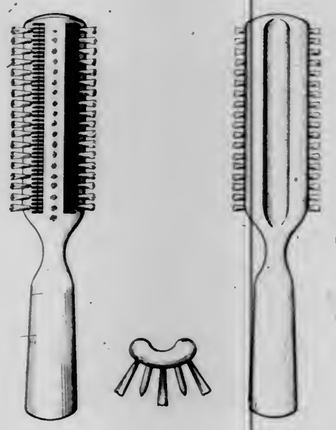
The ornamental design for a textile fabric, substantially as shown and described.

128,522
DESIGN FOR A COMBINED SLIP AND ARM SHIELDS
Jeannette Chasanoff, Brooklyn, N. Y.
Application April 24, 1941, Serial No. 100,598
Term of patent 7 years



The ornamental design for a combined slip and arm shields, as shown.

128,523
DESIGN FOR A COMBINED COMB AND BRUSH OR SIMILAR ARTICLE
Julius Kahn, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 14, 1939, Serial No. 87,219
Term of patent 3½ years



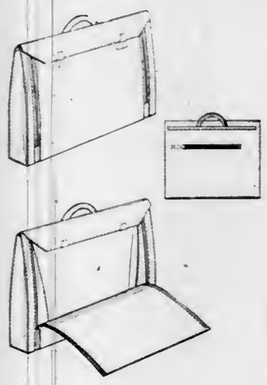
The ornamental design for a combined comb and brush or similar article, substantially as shown and described.

128,524
DESIGN FOR A KNITTED FABRIC
Arthur Brook, New York, N. Y.
Application June 14, 1941, Serial No. 101,464
Term of patent 3½ years



The ornamental design for a knitted fabric, substantially as shown.

128,525
DESIGN FOR A PORTABLE WARDROBE CASE
Siegfried Meyer, New York, N. Y.
Application March 8, 1941, Serial No. 99,442
Term of patent 14 years



The ornamental design for a portable wardrobe case, substantially as shown.

128,526
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application July 1, 1941, Serial No. 101,834
Term of patent 3½ years



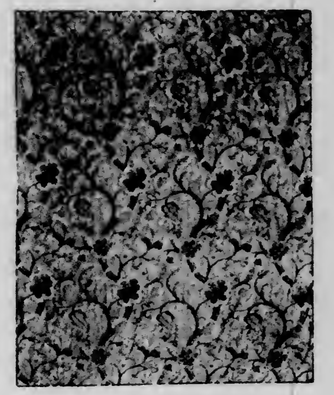
The ornamental design for a textile fabric, substantially as shown.

128,527
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application July 1, 1941, Serial No. 101,835
Term of patent 3½ years



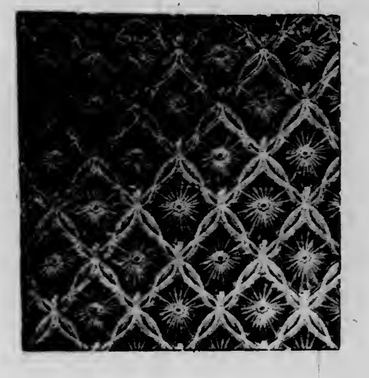
The ornamental design for a textile fabric, substantially as shown.

128,528
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application July 5, 1941, Serial No. 101,909
Term of patent 3½ years



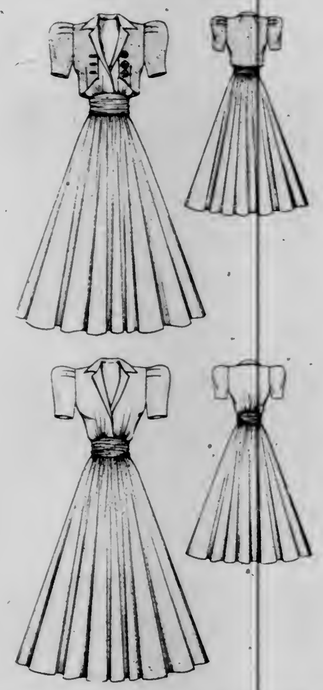
The ornamental design for a textile fabric, substantially as shown.

128,529
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application July 5, 1941, Serial No. 101,910
Term of patent 3½ years



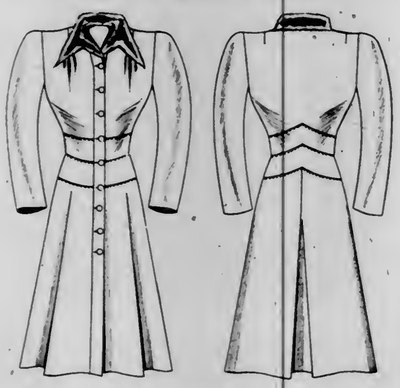
The ornamental design for a textile fabric, substantially as shown.

128,530
DESIGN FOR A DRESS ENSEMBLE
Elizabeth Cutler, New York, N. Y.
Application March 10, 1941, Serial No. 99,470
Term of patent 3½ years



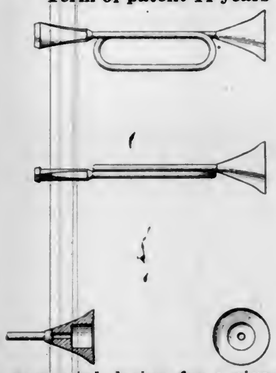
The ornamental design for a dress ensemble, substantially as shown.

128,531
DESIGN FOR A COAT
Angelo Del Re, Brooklyn, N. Y.
Application June 19, 1941, Serial No. 101,537
Term of patent 3½ years



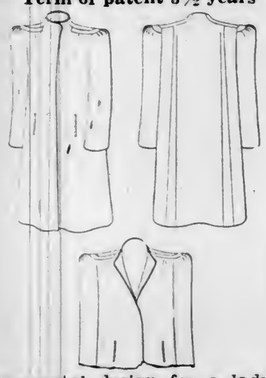
The ornamental design for a coat, substantially as shown.

128,532
DESIGN FOR A CIGARETTE HOLDER
Irving Florman, New York, N. Y.
Application June 14, 1941, Serial No. 101,469
Term of patent 14 years



The ornamental design for a cigarette holder, substantially as shown.

128,533
DESIGN FOR A LADY'S COAT
Harold Hirsh, Winnetka, Ill., assignor to Hirshmaur Coats Inc., a corporation of Illinois
Application October 9, 1940, Serial No. 95,711
Term of patent 3½ years



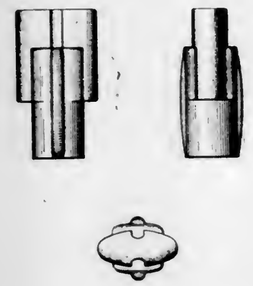
The ornamental design for a lady's coat, as shown.

128,534
DESIGN FOR A CONTAINER CLOSURE
John E. Sharp, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1940, Serial No. 95,932
Term of patent 14 years



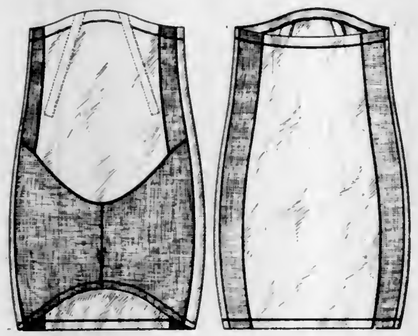
The ornamental design for a container closure, substantially as shown.

128,535
DESIGN FOR A COMBINED ERASER AND PENCIL TIP
Horace B. Van Dorn, Maplewood, N. J., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application May 22, 1941, Serial No. 101,082
Term of patent 14 years



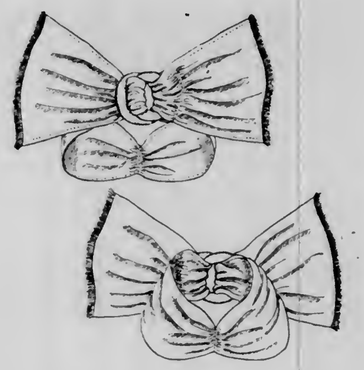
The ornamental design for a combined eraser and pencil tip, as shown.

128,536
DESIGN FOR A GIRDLE OR SIMILAR GARMENT
Joseph A. Weil, New Haven, Conn.
Application January 9, 1941, Serial No. No. 97,916
Term of patent 3½ years



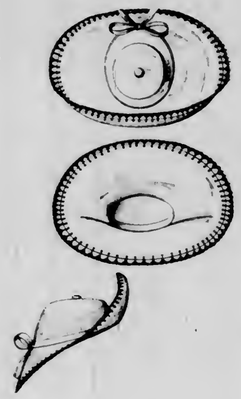
The ornamental design for a girdle or similar garment, substantially as shown.

128,537
DESIGN FOR A HAT
Mina A. Alexander, New York, N. Y.
Application June 23, 1941, Serial No. 101,616
Term of patent 3½ years



The ornamental design for a hat, as shown.

128,538
DESIGN FOR A HAT
Bertha Marks, Lawrence, N. Y.
Application June 23, 1941, Serial No. 101,620
Term of patent 3½ years



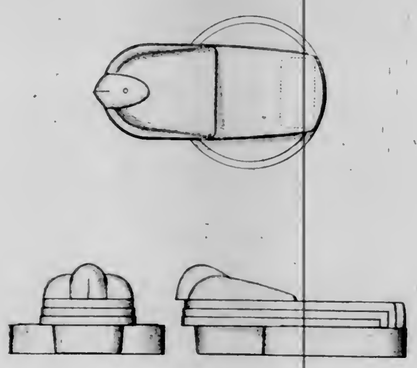
The ornamental design for a hat, substantially as shown.

128,539
DESIGN FOR A TEXTILE FABRIC
Edward Donald Witt, New Canaan, Conn.
Application June 28, 1941, Serial No. 101,793
Term of patent 3½ years



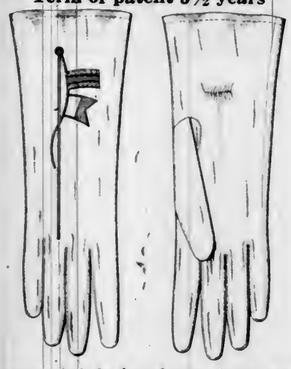
The ornamental design for a textile fabric, substantially as shown.

128,540
DESIGN FOR A COMBINED COVER AND CAP FOR VAPORIZERS
Herbert L. Bennett, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 1, 1941, Serial No. 99,276
Term of patent 14 years



The ornamental design for a combined cover and cap for vaporizers, substantially as shown and described.

128,541
DESIGN FOR A GLOVE
Peggy Dean, Chicago, Ill.
Application March 12, 1941, Serial No. 99,510
Term of patent 3½ years



The ornamental design for a glove, as shown.

128,542
DESIGN FOR A DRESS ENSEMBLE
Marie Brucato, New York, N. Y.
Application July 9, 1941, Serial No. 101,969
Term of patent 3½ years



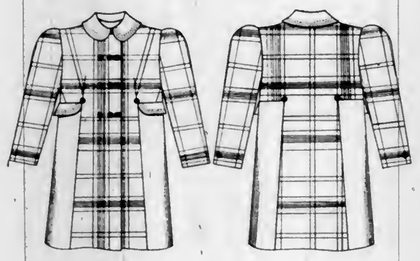
The ornamental design for a dress ensemble, substantially as shown.

128,543
DESIGN FOR A COAT
Ralph Manna, New York, N. Y.
Application July 9, 1941, Serial No. 101,964
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,544
DESIGN FOR A COAT
Ralph Manna, New York, N. Y.
Application July 9, 1941, Serial No. 101,966
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,545
DESIGN FOR A COAT
Ralph Manna, New York, N. Y.
Application July 9, 1941, Serial No. 101,967
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,546
DESIGN FOR A DRESS
Marie Brucato, New York, N. Y.
Application July 9, 1941, Serial No. 101,970
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,547
DESIGN FOR A DRESS
Marie Brucato, New York, N. Y.
Application July 9, 1941, Serial No. 101,972
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,548
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application July 3, 1941, Serial No. 101,868
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,549
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application July 5, 1941, Serial No. 101,896
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,550
DESIGN FOR A DRESS
Ruth R. Kass, New York, N. Y.
Application July 2, 1941, Serial No. 101,849
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,551
DESIGN FOR A DRESS
Ruth R. Kass, New York, N. Y.
Application July 2, 1941, Serial No. 101,851
Term of patent 3½ years



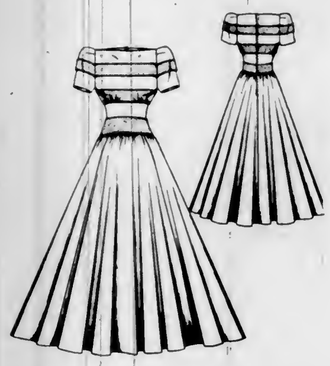
The ornamental design for a dress, substantially as shown.

128,552
DESIGN FOR A DRESS
H. Thomas Langbert, New York, N. Y.
Application July 9, 1941, Serial No. 101,973
Term of patent 3½ years



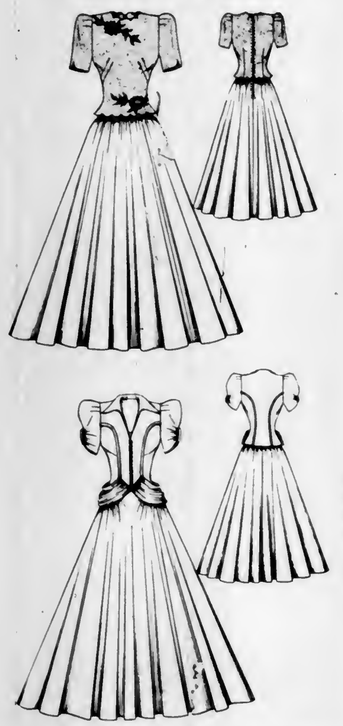
The ornamental design for a dress, substantially as shown.

128,553
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application July 3, 1941, Serial No. 101,872
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,554
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application July 3, 1941, Serial No. 101,873
Term of patent 3½ years



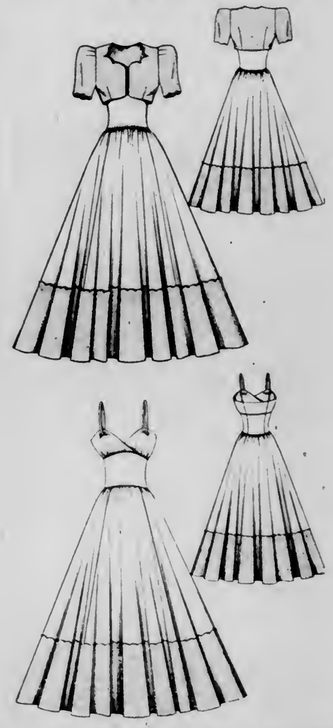
The ornamental design for a dress, substantially as shown.

122,555
DESIGN FOR A DRESS ENSEMBLE
Margaret Michelson, New York, N. Y.
Application July 3, 1941, Serial No. 101,870
Term of patent 3½ years



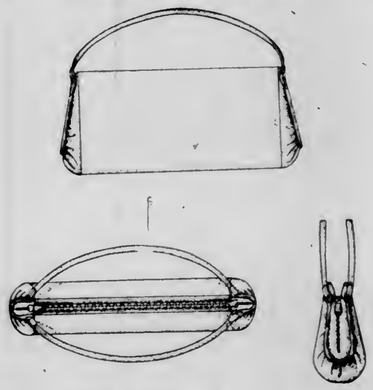
The ornamental design for a dress ensemble, substantially as shown.

128,556
DESIGN FOR A DRESS ENSEMBLE
Margaret Michelson, New York, N. Y.
Application July 3, 1941, Serial No. 101,871
Term of patent 3½ years



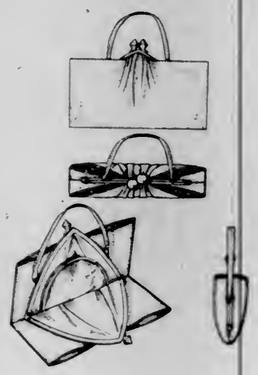
The ornamental design for a dress ensemble, substantially as shown.

128,557
DESIGN FOR A HANDBAG
Irving Pichel, New York, N. Y.
Application July 9, 1941, Serial No. 101,980
Term of patent 3½ years



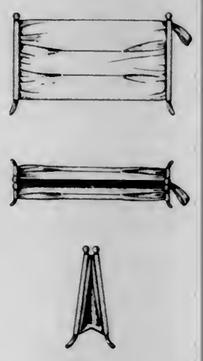
The ornamental design for a handbag, substantially as shown.

128,558
DESIGN FOR A HANDBAG
Irving Pichel, New York, N. Y.
Application July 9, 1941, Serial No. 101,981
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

128,559
DESIGN FOR A HANDBAG
Irving Pichel, New York, N. Y.
Application July 9, 1941, Serial No. 101,982
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

128,560
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application July 3, 1941, Serial No. 101,864
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,561
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,936
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,562
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,938
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,563
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,939
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,564
DESIGN FOR A SUIT
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,940
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

128,565
DESIGN FOR A SUIT
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,942
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

128,566
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,943
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,567
DESIGN FOR A DRESS
David R. Sadowsky, New York, N. Y.
Application July 2, 1941, Serial No. 101,852
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,568
DESIGN FOR A DRESS
Gloria Schulman, New York, N. Y.
Application July 3, 1941, Serial No. 101,875
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,569
DESIGN FOR A DRESS
Gloria Schulman, New York, N. Y.
Application July 3, 1941, Serial No. 101,876
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,570
DESIGN FOR A DRESS
Elinor S. Seigenfeld, New Rochelle, N. Y.
Application July 10, 1941, Serial No. 102,004
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,571
DESIGN FOR A BELT OR SIMILAR ARTICLE OF WEARING APPAREL
Fred Sieland, Glenallen, Mo.
Application April 9, 1941, Serial No. 100,269
Term of patent 14 years



The ornamental design for a belt or similar article of wearing apparel, as shown.

128,572
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application July 10, 1941, Serial No. 101,998
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,573
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application July 10, 1941, Serial No. 102,000
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,574
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application July 10, 1941, Serial No. 102,001
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,575
DESIGN FOR A DRESS
Margaret Abenstein, Chicago, Ill.
Application July 2, 1941, Serial No. 101,848
Term of patent 3½ years



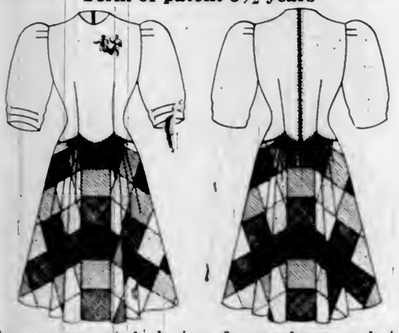
The ornamental design for a dress, substantially as shown.

128,576
DESIGN FOR A DRESS
Helena Frances Barbieri, New York, N. Y.
Application July 3, 1941, Serial No. 101,865
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,577
DESIGN FOR A DRESS
Marie Brucato, New York, N. Y.
Application July 9, 1941, Serial No. 101,971
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,578
DESIGN FOR A DRESS
Isidor Doctor, Chicago, Ill.
Application July 9, 1941, Serial No. 101,962
Term of patent 3½ years



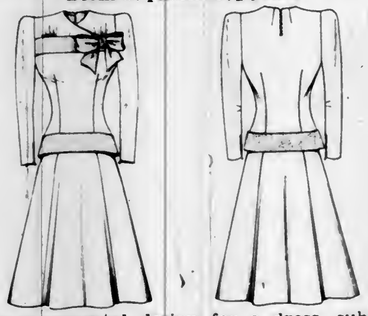
The ornamental design for a dress, substantially as shown.

128,579
DESIGN FOR A DRESS
Edna Freeman, New York, N. Y.
Application July 5, 1941, Serial No. 101,894
Term of patent 3½ years



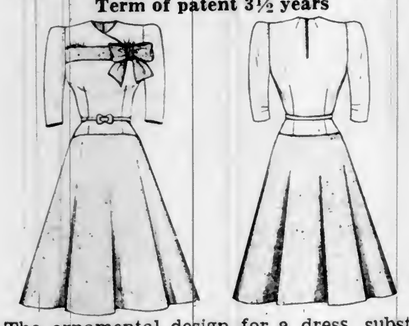
The ornamental design for a dress, substantially as shown.

128,580
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application July 3, 1941, Serial No. 101,866
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,581
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application July 3, 1941, Serial No. 101,867
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,582
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application July 5, 1941, Serial No. 101,897
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,583
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application July 5, 1941, Serial No. 101,898
Term of patent 3½ years



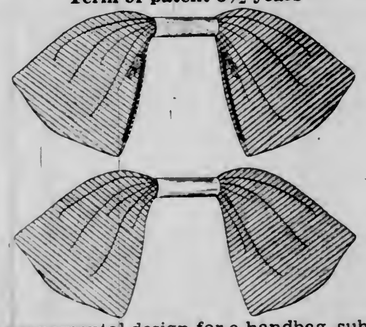
The ornamental design for a dress, substantially as shown.

128,584
DESIGN FOR A DRESS
Ruth R. Kass, New York, N. Y.
Application July 2, 1941, Serial No. 101,850
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,585
DESIGN FOR A HANDBAG
Tina Leser, New York, N. Y.
Application July 9, 1941, Serial No. 101,984
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

128,586
DESIGN FOR A DRESS
Michael M. Levine, New York, N. Y.
Application June 28, 1941, Serial No. 101,787
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,587
DESIGN FOR A DRESS
Michael M. Levine, New York, N. Y.
Application June 28, 1941, Serial No. 101,788
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,588
DESIGN FOR A DRESS
Michael M. Levine, New York, N. Y.
Application June 28, 1941, Serial No. 101,789
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,589
DESIGN FOR A DRESS
Helen May, New York, N. Y.
Application July 3, 1941, Serial No. 101,874
Term of patent 3½ years



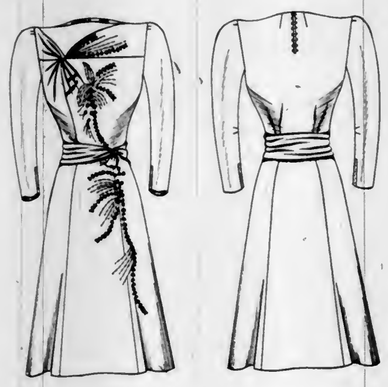
The ornamental design for a dress, substantially as shown.

128,590
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application July 3, 1941, Serial No. 101,869
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,591
DESIGN FOR A DRESS
Blanche Price, Chicago, Ill.
Application July 3, 1941, Serial No. 101,863
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,592
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,934
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,593
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,944
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,594
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,937
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,595
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,941
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,596
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,945
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,597
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,946
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,598
DESIGN FOR A DRESS
Nettie Rosenstein, New York, N. Y.
Application July 8, 1941, Serial No. 101,947
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,599
DESIGN FOR A SUIT
Frances Troy Stix, New York, N. Y.
Application July 9, 1941, Serial No. 101,963
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 529

AUGUST

1941

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1941

R608
13
v.529
Aug.-1941

C&Dec '41

CONTENTS

	Page
DECISIONS OF THE COMMISSIONER OF PATENTS, August 5, 12, 19, 26	3, 245, 511, 795
TRADE-MARKS PUBLISHED AND REGISTERED, August 5, 12, 19, 26	25, 259, 527, 809
REISSUES, August 5, 12, 19, 26	51, 286, —, 835
PLANT PATENTS, August 5, 12, 19, 26	52, 288, 558, 836
PATENTS, August 5, 12, 19, 26	204, 472, 754, 1007
DESIGNS, August 5, 12, 19, 26	

ANNOUNCEMENTS

	Page
ADVERSE DECISIONS IN INTERFERENCE	15, 258, 523, 793
APPLICATIONS—Condition of pending	2, 244, 510, 794
BULLETIN OF DECISIONS ON TRADE-MARKS	809
CLASSIFICATION BULLETIN ON SALE	1
CLASSIFICATION OF INVENTIONS—Changes in—*Order No. 3558*	15
Order No. 3559	24
Order No. 3561	523
TRANSFER OF CLASSES—*Order No. 3563*	793
DISCLAIMERS—Barder, Earl H., et al	15
Booty, Philip C. P. (2 cases)	15, 523
Donleavy, John Joseph	793
Ellis, Carleton	258
Hahn, Lewis Franklin	258
Horvitz, Leo	793
Kost, Harold W	793
Mounce, Whitman D., et al	258
Mounce, Whitman D., et al	523
ERRATUM—1940 C. D. 29, 30—Booth Fisheries Corp. *v.* Coe, Com. of Patents	1
PATENT SUITS	13, 257, 522, 807
PATENTS—List of adjudicated	15, 243, 509
RULES OF PRACTICE—Amendment of (Rules 31, 63, 134, 139, 140, 142, 149, 151) *Order No. 3562*	509
TRADE-MARK REGISTRATIONS CANCELLED	14, 523
NOTICE OF CANCELLATION—Gilbert, James L	1, 243
Howe, Margaret F	1, 243
Kerr Products Co., Inc	1, 243, 509

TABLE OF CASES REPORTED

	Page
*Bennett *v.* Sonnenfeld and Sonnenfeld *v.* Bennett	10
[a] Carborundum Company, The, *v.* Coe, Com. of Patents	801
[a] Cawood *v.* Coe, Com. of Patents	802
*Cooke, In re	3
*Corr (J. C. Yochim & Co., Inc., assignee substituted) *v.* Oldetyme Distillers, Inc	795
*Derleth, In re	512
*Forst Packing Co. Inc. *v.* C. W. Antrim & Sons	514
*Greider et al., In re	798
*Hill, In re	7
*Keeling *v.* Heid	520
*Marden et al. *v.* Braselton	251
*Mims, In re	8
*Perkins et al. *v.* Engs et al	804
*Saurer, deceased, by Rosina Saurer-Hegner and Anita Elisabeth Saurer, sole heirs, In re	802
*Smith, In re	516
*Suzuki & Co. of New York, Ltd. *v.* Maggi Co., Inc	5
*Vickery *v.* Barnhart	245
*Zalkind, In re	511

[Decisions of the U. S. Court of Appeals for the District of Columbia are indicated by the letter ([a]); and of the U. S. Court of Customs and Patent Appeals by a star (*).]

17576

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Flour Mills Company, The, Oklahoma City, Okla. Wheat flour. Serial No. 438,102; Aug. 5. Class 46.

Alba Pharmaceutical Company, Inc., New York, N. Y. Compound vitamin preparation. Serial No. 443,906; Aug. 5. Class 6.

Albi Chemical Corporation, New York, N. Y. Chemical compounds. Serial No. 444,483; Aug. 5. Class 6.

American and Continental Patented Products Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. Serial No. 443,474; Aug. 5. Class 28.

American Chain & Cable Company, Inc., New York, N. Y., and Bridgeport, Conn. Abrasive cutting machine. Serial No. 442,225; Aug. 5. Class 23.

American Decalcomania Co., Inc. Decalcomanias. Serial No. 432,370; Aug. 5. Class 38.

American Laundry Machinery Company, The, Norwood Station, Cincinnati, Ohio. Identification appliances for use in laundries. Serial No. 426,937; Aug. 5. Class 24.

Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Gasoline, kerosene, and industrial naphthas. Serial No. 441,936; Aug. 5. Class 15.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfumes. Serial No. 444,786; Aug. 5. Class 6.

Ayshire Patoka Collieries Corporation, Indianapolis, Ind., and Wilmington, Del. Coal. Serial No. 441,848; Aug. 5. Class 1.

Baby's Boudoir, Portland, Oreg. Knit diaper cloth, knit towels, knit wash cloths, etc. Serial No. 441,899; Aug. 5. Class 42.

Baker, H. W., Linen Company, New York, N. Y. Face and bath towels. Serial No. 444,034; Aug. 5. Class 42.

Bardinet Ltd., New York, N. Y. Non-alcoholic beverage and syrups for making the same. Serial No. 441,759; Aug. 5. Class 45.

Bell Company, Inc., The, doing business as Flare Laboratories, Chicago, Ill. Soaps, washing solutions, and cleaning compounds. Serial No. 443,994; Aug. 5. Class 4.

Berry Asphalt Company, Chicago, Ill. Black, rail, automotive, cable, and other lubricating oils, etc. Serial No. 436,754; Aug. 5. Class 15.

Beverages of America Bottling Company. (See Webb, Samuel E.)

Borden Company, The, New York, N. Y. Evaporated milk. Serial No. 433,598; Aug. 5. Class 46.

Borg-Warner Corporation, Chicago, Ill. Fluid and solid fuel burning furnaces. Serial No. 437,804; Aug. 5. Class 34.

Boyce, Henrietta E., Glen Rock, N. J. Skin creams, hand creams, cleansing creams, face powders, etc. Serial No. 436,756; Aug. 5. Class 6.

Brook's, Dr. Daniel, Three Daughters. (See Coryell, Earl.)

Burbank, Kershaw, doing business as Sing-A-Tina Studio, New York, N. Y. Musical acoustic device. Serial No. 443,397; Aug. 5. Class 36.

Burwood Products Company, Traverse City, Mich. Plastic wood products. Serial No. 437,806; Aug. 5. Class 8.

Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. Serial No. 444,134; Aug. 5. Class 46.

Carras, Mike, New York, N. Y. Rubbing liniment. Serial No. 443,070; Aug. 5. Class 6.

Catechetical Guild, Inc., St. Paul, Minn. Crayons. Serial No. 441,499; Aug. 5. Class 37.

Celotex Corporation, The, Chicago, Ill. Latex adhesives and a latex adhesive and a dispersion fluid therefor. Serial No. 419,658; Aug. 5. Class 5.

Chelhar, Lorenz, San Francisco, Calif. Canned cantaloupe juice. Serial No. 442,517; Aug. 5. Class 46.

Chiron, H., Co., Inc., New York, N. Y. Reeds for musical instruments. Serial No. 442,690; Aug. 5. Class 36.

Colour Incorporated, Chicago, Ill. Printed pictures. Serial No. 425,557; Aug. 5. Class 38.

Columbian Carbon Company, New York, N. Y. Particulate carbon. Serial No. 444,439; Aug. 5. Class 6.

Combustion Engineering Company, Inc., Wilmington, Del., and New York, N. Y. Gas water heaters. Serial No. 442,390; Aug. 5. Class 34.

Coryell, Earl, doing business as "Dr. Daniel Brook's Three Daughters", Lincoln, Nebr. Body deodorant. Serial No. 443,455; Aug. 5. Class 6.

Crucible Steel Company of America, New York, N. Y. Steel rods, bars, blooms, billets, etc. Serial Nos. 444,037–8; Aug. 5. Class 14.

Deitrich, Epily C. (See Pittsburgh Applicator Co., assignor.)

Disston, Henry, & Sons, Incorporated, Tacony, Pa. Saws. Serial No. 433,653; Aug. 5. Class 23.

Dorr Company, Inc., The, New York, N. Y. Apparatus for the treatment of solids suspended in liquids. Serial No. 444,258; Aug. 5. Class 23.

E. & E. Manufacturing Company, Detroit, Mich. Portable and fixed fire escapes. Serial No. 443,806; Aug. 5. Class 12.

Eaton Laboratories. (See Jacobs, Melvin H.)

Eaton Products. (See Jacobs, Melvin H.)

Eckhart, B. A., Milling Co., Chicago, Ill. Wheat flour. Serial No. 443,482; Aug. 5. Class 46.

Fairfield Engineering Company, The, Marion, Ohio. Electrical control switches. Serial No. 444,259; Aug. 5. Class 21.

First Textile Corporation, The, New York, N. Y. Velvet piece goods. Serial No. 444,403; Aug. 5. Class 42.

Flare Laboratories. (See Bell Company, Inc.)

Floridin Company, Warren, Pa. Adsorbent magnesium silicate. Serial No. 444,145; Aug. 5. Class 6.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial Nos. 444,443–5; Aug. 5. Class 42.

Fruit Growers Co-Operative, Sturgeon Bay, Wis. Canned cherries. Serial No. 442,006; Aug. 5. Class 46.

G & N Manufacturing Company, The, Cleveland, Ohio. Die casting machines. Serial No. 444,148; Aug. 5. Class 23.

Gilbert, A. C., Company, The, New Haven, Conn. Toy railroad accessories, toy trains, toy locomotives, etc. Serial No. 444,761; Aug. 5. Class 22.

Gimbel Brothers, Inc., New York, N. Y. Outdoor toys. Serial No. 442,124; Aug. 5. Class 22.

Goldsmith Bros., New York, N. Y. Gummed cloth index strips. Serial No. 442,169; Aug. 5. Class 37.

Hampden Brewing Company, Willimansett, Mass. Ale. Serial No. 443,719; Aug. 5. Class 48.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Powder insulation for tops of ingot molds. Serial No. 436,341; Aug. 5. Class 1.

Hecker Products Corporation, New York, N. Y. Breakfast cereals. Serial No. 438,572; Aug. 5. Class 46.

Hillman, Rita K., New York, N. Y. Magazine. Serial No. 442,629; Aug. 5. Class 38.

Horni, Paul P., New York, N. Y. Rotatably driven registers. Serial Nos. 407,672–3; Aug. 5. Class 21.

International Industries, Inc., Ann Arbor, Mich. Cameras, projectors, lens filters, etc. Serial No. 444,222; Aug. 5. Class 26.

International Silver Company, Meriden, Conn. Sterling silver flatware and hollow-ware. Serial No. 444,380; Aug. 5. Class 28.

International Silver Company, Meriden, Conn. Silver-plated flat-ware and hollow-ware. Serial No. 444,704; Aug. 5. Class 28.

Jacobs, Melvin H., doing business as Eaton Laboratories, Chicago, Ill. Saponaceous material for forming bubbles for use in the bath. Serial No. 443,934; Aug. 5. Class 4.

Jacobs, Melvin H., doing business as Eaton Products, Chicago, Ill. Cologne. Serial No. 443,936; Aug. 5. Class 6.

Kees, F. D., Manufacturing Company, Beatrice, Nebr. Screen and storm sash hangars and braces, screen door guards, hooks and staples, etc. Serial No. 442,958; Aug. 5. Class 13.

Kimball, C. M., Co., Boston, Mass. Ammonia, deodorant, and bleach. Serial No. 443,363; Aug. 5. Class 6.

Luma Incorporated, New York, N. Y. Photographic paper for the production of transparencies and blueprints. Serial No. 434,535; Aug. 5. Class 26.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Vitamin-containing pharmaceuticals. Serial No. 443,541; Aug. 5. Class 6.

Meyer, Earl O., doing business as Moe-Nade Laboratories, Denver, Colo. Massage bar. Serial No. 443,048; Aug. 5. Class 6.

Miglioretti Brothers, Baltimore, Md. Wines. Serial No. 441,057; Aug. 5. Class 47.

Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' shoes. Serial No. 444,157; Aug. 5. Class 39.

Moe-Nade Laboratories. (See Meyer, Earl O.)

Morrell, John, & Co., Ottumwa, Iowa. Canned meat loaf. Serial No. 442,560; Aug. 5. Class 46.

Mystic Foam Corporation, The, Cleveland, Ohio. Cleaner. Serial No. 444,271; Aug. 5. Class 4.

National Bible Press. (See National Publishing Company.)

National Publishing Company, doing business as National Bible Press, Philadelphia, Pa. Compilations of the books of the Bible and Bible testaments. Serial No. 442,914; Aug. 5. Class 38.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware, and tableware. Serial No. 444,540; Aug. 5. Class 28.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware and tableware. Serial No. 444,542; Aug. 5. Class 28.

New Orleans Brewing Co. Inc., New Orleans, La. Beer. Serial No. 429,315; Aug. 5. Class 48.

Novel Slide Manufacturing Corporation, New York, N. Y. Slide fasteners. Serial No. 443,339; Aug. 5. Class 13.
Nutrition Research Laboratories, Chicago, Ill. Vitamin preparations, of vitamins A, B_1, D, and G. Serial No. 444,766; Aug. 5. Class 6.
Palmer, Charles M., Washington, D. C. Control handles associated with the depressible pedal for accelerator means. Serial No. 421,436; Aug. 5. Class 23.
Parke, Davis & Company, Detroit, Mich. Preparation used in the treatment of heart conditions. Serial No. 441,627; Aug. 5. Class 6.
Parker, Evalyn C., doing business as E. C. Parker Laboratories. Maltless and nonalcoholic soft drinks. Serial No. 443,814; Aug. 5. Class 45.
Peerless Carbon Black Company, The, Pittsburgh, Pa. Black carbon pigment. Serial No. 441,486; Aug. 5. Class 16.
Pine, William S., Los Angeles, Calif. Tool, valve seats, bushings, etc. Serial No. 443,235; Aug. 5. Class 23.
Pittsburgh Applicator Co., assignor to Epily C. Deitrich, Pittsburgh, Pa. Combined shoe polish applicator and shoe brush. Serial No. 432,154; Aug. 5. Class 29.
Pollak, Henry, Inc., New York, N. Y. Millinery braids. Serial No. 441,175; Aug. 5. Class 40.
Pollak, Henry, Inc., New York, N. Y. Millinery braids. Serial No. 441,628; Aug. 5. Class 40.
Powell, Frank E., Tacoma, Wash. Device with movable indicators for domestic use for reminding of desired radio broadcasts. Serial No. 432,157; Aug. 5. Class 26.
Reliance Electric & Engineering Company, The, Cleveland, Ohio. Dynamo-electric machine. Serial No. 444,278; Aug. 5. Class 21.
Rex Products Corporation, New York, N. Y. Unfilled vanity cases and compacts. Serial No. 416,480; Aug. 5. Class 2.
Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Airplane dual control columns, tab controls, and pilot's rudder pedal assemblies. Serial No. 443,701; Aug. 5. Class 19.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonograph record blanks. Serial No. 443,267; Aug. 5. Class 36.
Rosewood Grain Company, The, Rosewood, Ohio. Feeds for cattle, hogs, sheep, etc. Serial No. 442,337; Aug. 5. Class 46.
Ruglatex Carpet Mills Company, Chicago, Ill. Rugs and carpets. Serial No. 443,269; Aug. 5. Class 42.
Ryerson, Joseph T., & Son, Inc., Chicago, Ill. Steel. Serial No. 444,229; Aug. 5. Class 14.
St. John, Paul D., Claremont, Calif. Perfumes. Serial No. 444,614; Aug. 5. Class 6.
Schwab, Armand, & Co., Inc., New York, N. Y. Wool felt hat bodies and hat hoods. Serial No. 443,741; Aug. 5. Class 39.
Schwartz, B., & Co., Philadelphia, Pa. Boys' clothing. Serial No. 441,689; Aug. 5. Class 39.
Searle, G. D., & Co., Chicago, Ill. Antispasmodic. Serial No. 444,315; Aug. 5. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Curtains, draperies, drapery fabrics, etc. Serial No. 438,089; Aug. 5. Class 42.
Sing-A-Tina Studio. (See Burbank, Kershaw.)
Snap-On–Tools Corporation, Kenosha, Wis. Valve reseating apparatus, portable valve grinding machines, valve grinding stone sleeves, etc. Serial No. 434,578; Aug. 5. Class 23.
Snyder, Chas., Co., Inc., Salinas, Calif. Fresh vegetables. Serial No. 443,519; Aug. 5. Class 46.
Southern Silk Mills, Spring City, Tenn. Piece goods. Serial No. 436,707; Aug. 5. Class 42.
Standard Computing Scale Company, The, Detroit, Mich. Air heating and humidifying and cooling and drying units. Serial No. 438,909; Aug. 5. Class 34.
Stein-Hall Manufacturing Company, Chicago, Ill. Glues, adhesive gums, and adhesive pastes. Serial No. 443,210; Aug. 5. Class 5.
Stronghold Fastener Company, Inc., New York, N. Y. Slide fasteners. Serial No. 443,376; Aug. 5. Class 13.
Sunlite Mfg. Company, The, Milwaukee, Wis. Ironing pads. Serial No. 444,130; Aug. 5. Class 24.
Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. Serial Nos. 444,207–8; Aug. 5. Class 2.
Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. Serial Nos. 444,474–5; Aug. 5. Class 2.
Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. Serial No. 444,477; Aug. 5. Class 2.
Tested Papers of America, Inc., Chicago, Ill. Sanitary napkins. Serial No. 444,807; Aug. 5. Class 44.
Tiona Petroleum Company, Philadelphia, Pa. Lubricating oils and greases. Serial No. 444,808; Aug. 5. Class 15.
Treesweet Products Co., Santa Ana, Calif. Canned citrus juices. Serial No. 442,737; Aug. 5. Class 46.
U. S. Vitamin Corporation, New York, N. Y. Vitamin-mineral supplement for horses in training. Serial No. 444,620; Aug. 5. Class 6.
U. S. Vitamin Corporation, New York, N. Y. Vitamin-mineral supplement for dogs and small breed animals. Serial No. 444,621; Aug. 5. Class 6.
Vertin-Edmunds Company, Salinas, Calif. Fresh vegetables. Serial Nos. 443,738–9; Aug. 5. Class 46.
Walnut Creek Milling Co., Great Bend, Kans. Wheat flour. Serial No. 442,507; Aug. 5. Class 46.
Wearite Specialty Co., Inc., New York, N. Y. Crib sheets. Serial No. 439,005; Aug. 5. Class 42.
Webb, Samuel E., doing business as Beverages of America Bottling Company, Philadelphia, Pa. Nonalcoholic beverage. Serial Nos. 444,363–4; Aug. 5. Class 45.
Welch Fruit Products Co., Chicago, Ill. Non-alcoholic beverage and syrup for making the same. Serial Nos. 442,811–12; Aug. 5. Class 46.
Wilson Metal Products Company, The, Columbus, Ohio. Extruded plastic moldings. Serial No. 443,178; Aug. 5. Class 12.
Woolsulate, Incorporated, Salt Lake City, Utah. Thermal insulating material. Serial No. 439,766; Aug. 5. Class 12.
Zarpi-Cola Beverages Co., Ponce, P. R. Nonalcoholic beverages. Serial No. 444,431; Aug. 5. Class 45.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott, Lillian K., New York, N. Y. Women's, misses' juniors', and children's dresses, skirts, blouses, etc. 389,497; Aug. 5; Serial No. 441,987; published May 27, 1941. Class 39.
Adam Hat Stores, Inc., New York, N. Y. Men's hats. 389,498; Aug. 5; Serial No. 441,988; published May 27,1941. Class 39.
Aeolian American Corporation. (See American Piano Company.)
Ajax Electrothermic Corporation, Trenton, N. J. High-frequency electric furnaces and parts thereof. 146,157; renewed Sept. 6, 1941.
Akron Bottling Works Co. (See Bershin, Samuel.)
All American Comics, Inc., New York, N. Y. Magazine publication. 389,439; Aug. 5; Serial No. 441,341; published May 20, 1941. Class 38.
Allen, Paul E., Skokie, Ill. Teethers, teething rattlers, and teething necklaces. 389,467; Aug. 5; Serial No. 441,660; published May 27, 1941. Class 44.
Alliance Rubber Company. (See Spencer, William H.)
American Anode Inc., Wilmington, Del., and Akron, Ohio. Knitted or netted textile fabrics. 389,409; Aug. 5; Serial No. 440,770; published May 27, 1941. Class 42.
American Diagrid Corporation, Dover, Del. Architectural and engineering prints, drawings and computations. 389,396; Aug. 5; Serial No. 440,185; published May 27, 1941. Class 38.
American Enameled Products Company, Waukesha, Wis. Bathroom wall fixtures. 389,411; Aug. 5; Serial No. 440,846; published May 27, 1941. Class 13.
American Fork & Hoe Company, The, Cleveland, Ohio. Hand tools. 389,344; Aug. 5; Serial No. 424,513; published July 23, 1940. Class 23.
American Milk Products Corporation, to General Milk Company, Inc., New York, N. Y., by change of name. Unsweetened evaporated milk. 147,261; renewed Oct. 11, 1941.
American Milk Products Corporation, to General Milk Company, Inc., New York, N. Y., by change of name. Sweetened condensed milk. 147,262; renewed Oct. 11, 1941.
American Milk Products Corporation, to General Milk Company, Inc., New York, N. Y., by change of name. Unsweetened evaporated milk. 147,263; renewed Oct. 11, 1941.
American Milk Products Corporation, to General Milk Company, Inc., New York, N. Y., by change of name. Unsweetened evaporated milk. 148,978; renewed Dec. 6. 1941.
American Optical Company, Southbridge, Mass. Respirators and parts therefor. 389,523; Aug. 5; Serial No. 442,768; published May 27, 1941. Class 44.
American Piano Company, Jersey City N. J., assignor, by mesne assignments, to Aeolian American Corporation, New York, N. Y. Musical instruments, particularly pianos, player-pianos, and parts thereof. 148,980–1; renewed Dec. 6, 1941.
Andersen, Martin, Orlando, Fla. Newspaper and magazine column. 389,452; Aug. 5; Serial No. 441,462; published May 20, 1941. Class 38.
Ardin, Lucien, Inc., New York, N. Y. American apertif wine. 389,486; Aug. 5; Serial No. 441,840; published May 27, 1941. Class 47.
Ardin, Lucien, Inc., New York, N. Y. American vermouth. 389,487–8; Aug. 5; Serial Nos. 441,841–2; published May 27, 1941. Class 47.
Armand Company, The, Des Moines, Iowa. Triethanolamine. 389,510; Aug. 5; Serial No. 442,247; published May 20, 1941. Class 6.
Arrow Match Corporation, Chicago, Ill. Match books. 389,535; Aug. 5. Class 9.
Atkins & Pearce Manufacturing Company, The, Cincinnati, Ohio. Flat braids and twines. 389,365; Aug. 5; Serial No. 435,566; published May 27, 1941. Class 7.

Atlas Powder Company, Wilmington, Del. Agricultural parasiticides. 389,427; Aug. 5; Serial No. 441,190; published May 20, 1941. Class 6.
Austenal Laboratories, Inc., New York, N. Y. Swaged metal denture bases, as well as various forms of wires and wire products. 389,429; Aug. 5; Serial No. 441,224; published May 27, 1941. Class 44.
Avia, Lear, Inc., Dayton, Ohio. Aircraft navigational instruments. 389,478; Aug. 5; Serial No. 441,776; published May 27, 1941. Class 26.
B-P T Company, Inc., The, Los Angeles, Calif. Treatment for relief of effects of alcohol and alcoholic toxins in the human body. 389,489; Aug. 5; Serial No. 441,849; published May 20, 1941. Class 6.
B. V. D. Corporation, The, Baltimore, Md. Swim trunks. 389,453; Aug. 5; Serial No. 441,467; published May 20, 1941. Class 39.
Bartmann & Bixer Inc., New York, N. Y. Window curtains. 389,348; Aug. 5; Serial No. 428,791; published May 27, 1941. Class 42.
Bastian-Morley Co., to Bastian-Morley Co., Inc., La Porte, Ind., by change of name. Thermos-jackets, a felt cover for water heaters and boilers to conserve heat. 147,544; renewed Oct. 25, 1941.
Bastian-Morley Co., to Bastian-Morley Co., Inc., La Porte, Ind., by change of name. Gas water-heaters. 148,787; renewed Nov. 29, 1941.
Bay West Paper Company, Green Bay, Wis. Paper towels. 389,499; Aug. 5; Serial No. 441,995; published May 27, 1941. Class 37.
Beach & Arthur Paper Co., Indianapolis, Ind. Paper towels. 389,490; Aug. 5; Serial No. 441,850; published May 27, 1941. Class 37.
Bellin's Wonderstoen Co., Inc., New York, N. Y. Foot bubble bath preparation. 389,509; Aug. 5; Serial No. 442,184; published Aug. 20, 1941. Class 6.
Ben Hur Products, Inc., New York, N. Y. Rope belts. 389,352; Aug. 5; Serial No. 430,163; published May 27, 1941. Class 39.
Benkaim Stores, Mount Carmel, Pa. Ladies' and misses' coats, suits, dresses, etc. 389,514; Aug. 5; Serial No. 442,301; published May 27, 1941. Class 39.
Bershin, Samuel, doing business as Akron Bottling Works Co., Akron, Ohio. Ginger ale, lithiated sparkling water, lime rickey, etc. 389,524; Aug. 5. Class 45.
Bessire & Company, Inc., Indianapolis, Ind. Paper boxes, cups, wrappers, etc. 389,405; Aug. 5; Serial No. 440,641; published May 27, 1941. Class 2.
Betteen Perme-Sta Company. (See Hamilton, Elizabeth M.)
Bilgram Gear & Machine Works, Philadelphia, Pa. Gears and machinery. 389,526; Aug. 5. Class 23.
Binney & Smith Company, New York, N. Y. Furnace black. 389,408; Aug. 5; Serial No. 440,738; published May 27, 1941. Class 6.
Bishop Company, Inc., The, North Attleboro, Mass. Spectacles, eyeglasses and ophthalmic mountings and component parts of such mountings. 147,273; renewed Oct. 11, 1941.
Board of Christian Education of the Presbyterian Church in the United States of America, The, Philadelphia, Pa. Books, hymnals, textbooks, etc. 389,538; Aug. 5. Class 38.
Bogusiavsky, Alexander, Ltd., assignor to Carreras Limited, London, England. Cigarettes. 144,174; renewed June 28, 1941.
Bressler, Max, Chicago, Ill. Pipes. 389,528; Aug. 5. Class 8.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table cloth. 389,502; Aug. 5; Serial No. 442,104; published May 27, 1941. Class 42.
Butler, J. W., Paper Company, assignor to Butler Paper Corporations, Chicago, Ill. Paper for poster and label work. 145,052; renewed July 26, 1941.
Butler, J. W., Paper Company, assignor to Butler Paper Corporations, Chicago, Ill. Bristol-board. 145,055; renewed July 26, 1941.
California Texas Oil Company, Limited, New York, N. Y. Fly sprays and white oils. 389,373; Aug. 5; Serial No. 438,034; published May 27, 1941. Class 6.
California Texas Oil Company, Limited, New York, N. Y. Lubricating oils and greases. 389,374; Aug. 5; Serial No. 438,036; published May 27, 1941. Class 15.
Carborundum Company, The, Niagara Falls, N. Y. Sheet material coated with abrasive grains. 389,358; Aug. 5; Serial No. 433,476; published May 20, 1941. Class 4.
Carreras Limited. (See Bogusiavsky, Alexander, Ltd., assignor.)
Carter, Adrienne. (See Marble, Mary C.)
Castleman, H. A., Las Vegas, Nev. Beverages. 389,383; Aug. 5; Serial No. 439,407; published Mar. 4, 1941. Class 45.
Celotex Corporation, The, Chicago, Ill. Structural steel members. 389,480; Aug. 5; Serial No. 441,809; published May 20, 1941. Class 12.
Charis Corporation, Allentown, Pa. Slide rules. 389,481; Aug. 5; Serial No. 441,810; published May 27, 1941. Class 26.
Checker Food Products Company. (See Gandolfe-Ghio Mfg. Co.)
Chicago Lock Company, Chicago, Ill. Locks and keys. 389,351; Aug. 5; Serial No. 429,934; published May 7, 1940. Class 25.
Chicago Metal Mfg. Co., Chicago, Ill. Sheet metal and cast metal piping, conduits, etc. 389,356; Aug. 5; Serial No. 432,073; published Sept. 24, 1940. Class 13.
Chicago-Tanning Company, Chicago, Ill. Leathers. 148,799; renewed Nov. 29, 1941.
Claire Manufacturing Company, also doing business as Claire Mfg. Co., Chicago, Ill. Soap. 389,491; Aug. 5; Serial No. 441,859; published May 20, 1941. Class 4.
Clark, Dan E., II, doing business as Dan E. Clark II, and Associates, New York, N. Y. Feature column or article of periodicals of regular issue. 389,436; Aug. 5; Serial No. 441,309; published May 20, 1941. Class 38.
Cohn & Rosenberger Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. 389,406; Aug. 5; Serial No. 440,674; published May 27, 1941. Class 28.
Colby Classics, Inc., Boston, Mass. Dresses for misses and women. 389,440; Aug. 5; Serial No. 441,349; published May 27, 1941. Class 39.
Coleman & Company Limited, Norwich, England. Non-alcoholic, maltless beverage. 146,970; renewed Sept. 27, 1941.
Consolidated Cover Co., San Francisco, Calif. Self-disposing paper toilet seat covers. 389,482; Aug. 5; Serial No. 441,811; published May 27, 1941. Class 37.
Continental Oil Company, Ponca City, Okla. Lubricating oils. 389,437; Aug. 5; Serial No. 441,310; published May 13, 1941. Class 15.
Cooperative G. L. F. Soil Building Service, Inc., Ithaca, N. Y. Poultry litter. 389,389; Aug. 5; Serial No. 439,771; published May 27, 1941. Class 1.
Cosmetic Yeast, Limited, London, England. Face packs for toilet use all containing yeast. 389,422; Aug. 5; Serial No. 441,085; published May 27, 1941. Class 6.
Corn Products Refining Company, New York, N. Y. Cornstarch. 149,365; renewed Dec. 13, 1941.
Cowan, Louis G. (See Quiz Kids, Inc.)
Cowley, Simpson L., doing business as Cowley Manufacturing Company, Hugo, Okla. Rat and mouse exterminators. 389,357; Aug. 5; Serial No. 432,463; published May 20, 1941. Class 6.
Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkeim, Germany. Steel articles. 389,338; Aug. 5; Serial No. 399,600; published May 20, 1941. Class 14.
Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkeim, Germany. Steel articles. 389,340; Aug. 5; Serial No. 403,645; published May 20, 1941. Class 14.
De Nemours, E. I. du Pont, and Company, Wilmington, Del. Dyestuffs. 145,655; renewed Aug. 16, 1941.
Derris, Inc., New York, N. Y. Insecticides. 389,483; Aug. 5; Serial No. 441,812; published May 27. 1941. Class 6.
Derris, Inc., New York, N. Y. Floor wax and furniture polish. 389,484; Aug. 5; Serial No. 441,813; published May 20, 1941. Class 16.
Detroit Bevel Gear Company, Detroit, Mich. Gears and differential-cases for vehicle rear axles. 149,032; renewed Dec. 6, 1941.
Diamond, Jack, Brooklyn, N. Y. Men's and boys' wearing apparel. 389,392; Aug. 5; Serial No. 439,889; published May 27, 1941. Class 39.
Draper Brothers Company, Canton, Mass. Knitted and woven fabrics in the piece. 389,533; Aug. 5. Class 42.
Drullard, Howard R., San Francisco, Calif. Gear grease. 389,531; Aug. 5. Class 15.
Eastern Machine Screw Corporation, The, New Haven, Conn. Combined magnifying and illuminating devices. 389,416; Aug. 5; Serial No. 440,979; published May 27, 1941. Class 26.
Eastern New England Company. (See Goldberg, Harris.)
Educational Supply Company, The, Painesville, Ohio. Certain named papers. 149,043; renewed Dec. 6, 1941.
Edwards, William, Company, The, Cleveland, Ohio. Olives, catsup, salad-dressing, etc. 144,753; renewed July 19, 1941.
Ehrman Bros. Horn & Co., San Francisco, Calif. Vermouth. 389,441; Aug. 5; Serial No. 441,391; published May 27, 1941. Class 47.
Ellmore Silver Company, Incorporated, The, Meriden, Conn. Sterling silver hollow ware and tableware. 389,468; Aug. 5; Serial No. 441,673; published May 27, 1941. Class 28.
Endicott Johnson Corporation, Endicott, N. Y. Shoes. 389,353; Aug. 5; Serial No. 430,496; published May 27, 1941. Class 39.
Epstein, Meyer B., doing business as United Chemical Co., Philadelphia, Pa. Cosmetics. 389,345; Aug. 5; Serial No. 425,047; published Feb. 27, 1940. Class 6.
Eureka Vacuum Cleaner Company, Detroit, Mich. Attachments in the nature of a coupler. 389,390; Aug. 5; Serial No. 439,807; published May 27, 1941. Class 23.
Famous, The, Braddock, Pa. Corsets, brassières, and ladies' and misses' undergarments. 145,661; renewed Aug. 16, 1941.
Fawcett Publications, Inc., Greenwich, Conn. Periodical publication. 389,391; Aug. 5; Serial No. 439,861; published May 13, 1941. Class 38.
Fine Cotton Spinners and Doublers' Association, Limited, The, Manchester, England. Cotton yarns. 141,546; renewed Apr. 26, 1941.
Fisher Scientific Company, Pittsburgh, Pa. Electric heater. 389,428; Aug. 5; Serial No. 441,198; published May 27, 1941. Class 21.
Fisher Scientific Company, Pittsburgh, Pa. Instrument to determine the hemoglobin content of blood. 389,532; Aug. 5. Class 26.

Folds, Milton W., doing business as The Ru-Ex Company, Chicago, Ill. Medicinal preparation. 389,347; Aug. 5; Serial No. 427,976; published Apr. 23, 1940. Class 6.

Forsberg, H., Company, Cleveland, Ohio. Coating materials. 389,418; Aug. 5; Serial No. 441,016; published May 27, 1941. Class 16.

Forstner Chain Corporation, Irvington N. J. Chains for personal adornment made of or plated with precious metal. 144,768; renewed July 19, 1941.

Foster-McClellan Co., Buffalo, N. Y., and London, England, to Foster McClellan Co., Buffalo, N. Y. Preparations for use in connection with the digestive disorders. 146,741; renewed Sept. 20, 1941.

Full-O-Lite Corporation, Bloomfield, N. J. Electric lighting fixtures and bulbs. 389,492; Aug. 5; Serial No. 441,863; published May 27, 1941. Class 21.

Gail Manufacturing Co. (See Steiner, M. S.)

Gandolfe-Ghio Mfg. Co., to Checker Food Products Company, St. Louis, Mo., by change of name. Spaghetti, macaroni, vermicelli and noodles. 149,384; renewed Dec. 13, 1941.

Gates Rubber Company, The, Denver, Colo. Pneumatic tires. 389,503; Aug. 5; Serial No. 442,121; published May 27, 1941. Class 35.

Geilfus, Mervin C., Los Angeles, Calif. Raincoats. 389,355; Aug. 5; Serial No. 431,134; published May 20, 1941. Class 39.

General Fireproofing Company, The, Youngstown, Ohio. Furniture. 147,606; renewed Oct. 23, 1941.

General Milk Company. (See American Milk Products Corporation.)

Globe Oil & Refining Company, The, Wichita, Kans. Gasoline, lubricating oils and greases. 389,388; Aug. 5; Serial No. 439,717; published May 13, 1941. Class 15.

Goldberg, Harris, doing business as Eastern New England Company, Middletown, Conn. Stove polish. 389,376; Aug. 5; Serial No. 438,731; published May 20, 1941. Class 4.

Goldsmith Bros., New York, N. Y. Antiseptic baby oil, athletic liniment, antacid powder, sodium bicarbonate tables, etc. 389,520; Aug. 5; Serial No. 442,701; published May 27, 1941. Class 6.

Goodrich, B. F., Company, The, New York, N. Y. Thread made of rubber. 143,957; renewed June 21, 1941.

Goodrich, B. F., Company, The, New York, N. Y. Dental, medical and surgical appliances made of rubber. 144,219; renewed June 28, 1941.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Solution of synthetic resins used as a paint, etc. 389,366; Aug. 5; Serial No. 435,581; published May 27, 1941. Class 16.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber heels and soles. 389,496; Aug. 5; Serial No. 441,959; published May 27, 1941; Class 39.

Graham Paper Company, St. Louis, Mo. Wrapping paper. 389,471; Aug. 5; Serial No. 441,730; published May 27, 1941. Class 37.

Greenspoon Clothing Co., Inc., St. Louis, Mo. Men's and boys' coats. 389,341; Aug. 5; Serial No. 415,775; published Feb. 6, 1940. Class 39.

Griswold, Edwin A., doing business as The Rite Products Co., Sonoma, Calif. Ointment used for a treatment for piles. 389,423; Aug. 5; Serial No. 441,092; published May 27, 1941. Class 6.

Hamilton, Elizebeth M., doing business as Betteen Permesta Company, Atlantic City, N. J. Hair dressing. 389,485; Aug. 5; Serial No. 441,821; published May 27, 1941. Class 6.

Hamilton, Fred P., Jr., Omaha, Nebr. Printed transfers. 389,386; Aug. 5; Serial No. 439,618; published May 20, 1941. Class 38.

Hammer, A., Cooperage Corporation, New York, N. Y. Ice containers and/or ice receptacles. 389,536; Aug. 5. Class 2.

Hammermill Paper Company, Erie Pa. Bond paper. 389,472; Aug. 5; Serial No. 441,733; published May 27, 1941. Class 37.

Hanson, W. T., Co., Schenectady, N. Y. Laxative. 389,424; Aug. 5; Serial No. 441,134; published May 27, 1941. Class 6.

Harrower Laboratory, Inc., The, Glendale, Calif. Preparation for use as a stimulant in gastroenterological practice. 389,448; Aug. 5; Serial No. 441,434; published May 20, 1941. Class 6.

Hartford Rubber Works Company, The, assignor to United States Rubber Company, New York, N. Y. Vehicle-tires made of rubber. 145,109; renewed July 26, 1941.

Harvey & Howe, Inc., Chicago, Ill. Publication 389,339; Aug. 5; Serial No. 392,754; published Sept. 7, 1937. Class 38.

Hausman, Newman & Miller, Inc., Brooklyn, N. Y. Clothing. 389,381; Aug. 5; Serial No. 439,105; published May 27, 1941. Class 39.

Hirsch Brothers Co., Inc., assignor, by mesne assignments, to L. Karp & Sons, Inc., Chicago, Ill. Whippowder. 140,399; renewed Mar. 15, 1941.

Hoeflich & Son Neckwear Co., Inc., New York, N. Y. Neckties. 389,410; Aug. 5; Serial No. 440,817; published May 27, 1941. Class 39.

Hollingshead, R. M., Corp., assignor to Sears, Roebuck and Co., Chicago, Ill. Shoe dye. 389,370; Aug. 5; Serial No. 434,645; published May 27, 1941. Class 6.

Home Woolen Mills, assignor to Horner Woolen Mills Company, Eaton Rapids, Mich. Yarns. 149,112; renewed Dec. 6, 1941.

Hood, H. P., & Sons, Inc., Boston, to H. P. Hood & Sons, Inc., Charlestown (Boston), Mass. Carbonated soft drinks and syrups therefor. 149,113; renewed Dec. 6, 1941.

Horner Woolen Mills Company. (See Home Woolen Mills, assignor.)

International Tissue Corp., New York, N. Y. Paper towels. 389,459; Aug. 5; Serial No. 441,540; published May 27, 1941. Class 37.

Irving-Cloud Publishing Co., The, Chicago, Ill. Periodical. 389,419; Aug. 5; Serial No. 441,022; published May 27, 1941. Class 38.

Jacobson, F., & Sons, assignor to Jacobson & Sons, Inc., New York, N. Y. Collars, cuffs, shirts, and pajamas. 389,337; Aug. 5; Serial No. 361,703; published Sept. 8, 1936. Class 39.

Jany, Martin, New York, N. Y. Heat-proof pads used as kitchen utensils for pots, pans, etc. 389,420; Aug. 5; Serial No. 441,023; published May 27, 1941. Class 50.

Jewel Paint & Varnish Co. (See Wadsworth-Howland Company.)

Johnson & Sons, Manufacturing Chemists, Limited, London, England. Chemical substances. 145,701; renewed Aug. 16, 1941.

Johnson & Sons, Manufacturing Chemists, Limited, London, England. Photographic developers. 145,702; renewed Aug. 16, 1941.

Johnson-Appleby Company, Boston, to Johnson-Appleby Company, Cambridge, Mass. Baking-powder. 149,125; renewed Dec. 6, 1941.

Johnson, S. C., & Son, Inc., Racine, Wis. Combination cleaning and wax polishing preparation. 389,413; Aug. 5; Serial No. 440,940; published May 20, 1941. Class 16.

Jordan, Y Ramos, Rodrigo, New York, N. Y. Medicinal preparations. 389,477; Aug. 5; Serial No. 441,771; published May 27, 1941. Class 6.

Joseph & Feiss Company, The, Cleveland, Ohio. Suits. 389,379; Aug. 5; Serial No. 438,947; published May 27, 1941.

Karp, L., & Sons, Inc. (See Hirsch Brothers Co. Inc., assignor.)

Keith, Geo. E., Company, Brockton, Mass. Shoes. 389,425; Aug. 5; Serial No. 441,137; published May 27, 1941. Class 39.

Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. Plastic monolithic refractories. 389,460; Aug. 5; Serial No. 441,543; published May 20, 1941. Class 12.

Kinghill Laboratories. (See Koenigsberger, Franz.)

Kingsway Press, Inc., The, New York, N. Y. Magazine published from time to time. 389,403; Aug. 5; Serial No. 440,557; published May 20, 1941. Class 38.

Kittredge, W. A., Company, The, Tunkhannock, Pa. Washing compound. 149,130; renewed Dec. 6, 1941.

Klinker Manufacturing Co., The, doing business as Vanitas Co., Cleveland, Ohio. Toilet preparations. 147,785; renewed Nov. 1, 1941.

Klinker Manufacturing Company, The, Cleveland, Ohio. Cosmetics. 389,542; Aug. 5. Class 6.

Knipe Bros., Inc., Haverhill, Mass. Leather boots and shoes. 149,132; renewed Dec. 6, 1941.

Knoll, H. G., & Co., Inc., New York, N. Y. Sedatives. 389,511; Aug. 5; Serial No. 442,267; published May 20, 1941. Class 6.

Koenigsberger, Franz, doing business as Kinghill Laboratories, New York, N. Y. Toilet water, eau de cologne, perfumes, etc. 389,521; Aug. 5; Serial No. 442,712; published May 27, 1941. Class 6.

Las-Stik Patch Mfg. Co., assignor to The Las-Stik Mfg. Co., Hamilton, Ohio. Fabric and rubber repair patches. 144,426; renewed July 5, 1941.

Lentheric, Incorporated, New York, N. Y. Scalp stimulant, after-shave lotion, and eau de cologne. 389,461; Aug. 5; Serial No. 441,545; published May 27, 1941. Class 6.

Leyse Aluminum Company, Kewaukee, Wis. Aluminum cooking utensils. 149,430; renewed Dec. 13, 1941.

Libitz, Aaron, doing business as Metropolitan Extract Co., Los Angeles, Calif. Nonalcoholic beverage and syrups for making same. 389,515; Aug. 5; Serial No. 442,397; published May 27, 1941. Class 45.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation of calcium pantothenate. 389,479; Aug. 5; Serial No. 441,777; published May 27, 1941. Class 6.

Lima Cord Sole & Heel Company, The, Lima, Ohio. Soles and heels made of a combination of rubber and fabric. 149,142; renewed Dec. 6, 1941.

Lippert, Louise K., doing business as L. K. Lippert Equipment Company, Columbus, Ohio. Sheet type weatherproof material. 389,421; Aug. 5; Serial No. 441,055; published May 27, 1941. Class 12.

Lorr Laboratories, Paterson, N. J. Cosmetics. 389,462; Aug. 5; Serial No. 441,580; published May 27, 1941. Class 6.

Lummus Cotton Gin Company, Columbus, Ga. Cotton gins. 389,543; Aug. 5. Class 23.

Marble, Mary C., doing business as Adrienne Carter, Washington, D. C. Cosmetics, creams, lotions, and hair preparations. 389,354; Aug. 5; Serial No. 431,124; published May 27, 1941. Class 6.

Mayhams, Norris B., New York, N. Y. Phonograph records. 389,362; Aug. 5; Serial No. 434,802; published May 27, 1941. Class 36.

Mayon Products Co. (See Rancatti, Peter L.)

McCane, T. A., doing business as Queen Ann Company, Atlanta, Ga. Hair dressing or pomade, talcum powder, skin bleach, etc. 389,456; Aug. 5; Serial No. 441,516; published May 27, 1941. Class 6.

McDougall-Butler Co., Inc., Buffalo, N. Y. Varnish. 149,438–9; renewed Dec. 13, 1941.

McDougall-Butler Co., Inc., Buffalo, N. Y. Paint enamel. 149,440; renewed Dec. 13, 1941.

McGaw, Kenneth, Chicago, Ill. Cartoon strips and scripts for a series of radio broadcasts. 389,540; Aug. 5. Class 38.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Book paper in rolls or sheets. 389,454; Aug. 5; Serial No. 441,480; published May 27, 1941. Class 37.

M-Dex Corporation of California, Los Angeles, Calif. Volatile dilitant and anti-spasmodic preparation. 389,414; Aug. 5; Serial No. 440,943; published May 27, 1941. Class 6.

McMullen-Leavens Co., Glens Falls and New York, N. Y. Women's dresses, blouses, and shirts. 389,360; Aug. 5; Serial No. 434,028; published May 20, 1941. Class 39.

Mercury Battery Charger & Tester Corp., assignor to The Mercury Corporation, Kansas City, Mo. Battery charging and testing apparatus, combined. 389,393; Aug 5; Serial No. 440,013; published May 27, 1941. Class 26.

Meridith Publishing Company, The, Des Moines, Iowa. Section in a magazine. 389,442–4; Aug. 5; Serial Nos. 441,402–4; published May 20, 1941. Class 38.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Product for the treatment of streptococcic, pneumococcic, stophylococcic, and related infections. 389,517; Aug. 5; Serial No. 442,452; published May 27, 1941. Class 6.

Merrell, Wm. S., Company, Cincinnati, Ohio. Product used in the treatment of high blood pressure. 389,435; Aug. 5; Serial No. 441,286; published May 20, 1941. Class 6.

Metropolitan Extract Co. (See Libitz, Aaron.)

Mid-West Community Sales Service Co., Des Moines, Iowa. Periodical. 389,415; Aug. 5; Serial No. 440,944; published May 20, 1941. Class 38.

Mills Novelty Company, Chicago, Ill. Sound motion pictures. 389,364; Aug. 5; Serial No. 435,399; published May 27, 1941. Class 26.

Mitusi & Co., Ltd., New York, N. Y. Bristles for the manufacturing of brushes. 389,504; Aug. 5; Serial No 442,134; published May 27, 1941. Class 1.

Monroe Chemical Company, Quincy, Ill. Dyes. 389,346; Aug. 5; Serial No. 427,551; published May 27, 1941. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Artificial resins. 389,505; Aug. 5; Serial No. 442,135; published May 27, 1941. Class 1.

Mooney, James D., New York, N. Y. Apparatus designed to illustrate the laws of economics by physical analogies. 389,407; Aug. 5; Serial No. 440,704; published May 27, 1941. Class 26.

Morris, Mann & Reilly, to Morris, Mann & Reilly, Inc., Chicago, Ill., successor. Baby-pants. 149,175–6; renewed Dec. 6, 1941.

Mosley, Joseph G., Monette, Ark. Preparation for the treatment of coughs and colds. 389,473; Aug. 5; Serial No. 441,737; published May 27, 1941. Class 6.

Nashua Package Sealing Co., Inc., Nashua, N. H. Machines and tools for moistening, serving, or applying adhesive or gummed tape, wrappers, labels, etc. 389,382; Aug. 5; Serial No. 439,168; published May 27, 1941. Class 23.

National Pharmacy Company, San Francisco, Calif. Cough syrup. 389,430; Aug. 5; Serial No. 441,251; published May 20, 1941. Class 6.

National Refining Company, The, Cleveland, Ohio. Kerosene. 389,404; Aug. 5; Serial No. 440,562; published May 27, 1941. Class 15.

National Tire Stores Inc., Denver, Colo. Pneumatic tires. 389,506; Aug. 5; Serial No. 442,137; published May 27, 1941. Class 35.

Netherlands-American Digest, Inc., The, New York, N. Y., assignor to Netherland Publishing Corporation, New York, N. Y. Magazine issued monthly. 389,380; Aug. 5; Serial No. 438,958; published May 20, 1941. Class 38.

Netherland Publishing Corporation. (See Netherlands-American Digest, Inc.)

No-Sag Spring Company, Detroit, Mich. Furniture provided with springs. 389,469; Aug. 5; Serial No. 441,683; published May 27, 1941. Class 32.

Nutone Chimes, Inc., Cincinnati, Ohio. Electric chimes, door signals, and interoffice signaling devices. 389,530; Aug. 5. Class 21.

Nyal Company, Detroit, Mich. Preparations used in the treatment of colds. 389,445; Aug. 5; Serial No. 441,408; published May 20, 1941. Class 6.

Ollendorff, Julian, New York, N. Y. Comic cartoons or drawings. 389,375; Aug. 5; Serial No. 438,548; published May 20, 1941. Class 38.

Packard Motor Car Company, Detroit, Mich. Internal combustion engines, parts for internal combustion engines, etc. 389,399; Aug. 5; Serial No. 440,377; published May 27, 1941. Class 23.

Para Manufacturing Co., Inc., Newark, N. J. Shower bath curtains and matching window drapes. 389,534; Aug. 5. Class 13.

Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet water, sachets, etc. 389,431; Aug. 5; Serial No. 441,254; published May 20, 1941. Class 6.

Parfums Ciro, Inc., New York, N. Y. Perfumes and toilet water. 389,438; Aug. 5; Serial No. 441,326; published May 20, 1941. Class 6.

Parke, Davis & Company, Detroit, Mich. Combination of vitamin B complex with a diastatic enzyme. 389,446; Aug. 5; Serial No. 441,409; published May 20, 1941. Class 6.

Parke, Davis & Company, Detroit, Mich. Chemotherapeutic agent. 389,464; Aug. 5; Serial No. 441,626; published May 27, 1941. Class 6.

Patterson Publishing Company, Chicago, Ill. Section of a periodical. 389,349; Aug. 5; Serial No. 429,745; published Apr. 29, 1941. Class 38.

Pittsburgh Tool Steel Wire Company, Monaca, Pa. Drill-rods and cold-drawn steel. 149,483; renewed Dec. 13, 1941.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Mattresses. 389,512; Aug. 5; Serial No. 442,279; published May 27, 1941. Class 32.

Post, Frederick, Company, The, Chicago, Ill. So-called transparent tracing sheets. 389,372; Aug. 5; Serial No. 437,663; published May 27, 1941. Class 37.

Presstite Engineering Company, The, St. Louis, Mo. Puttying and caulking compounds. 389,426; Aug. 5; Serial No. 441,176; published May 27, 1941. Class 12.

Prina, Frank R., New York, N. Y. Vanity cases. 389,513; Aug. 5; Serial No. 442,281; published May 27, 1941. Class 2.

Pure Oil Company, The, Chicago, Ill. Lubricating oil. 389,465; Aug. 5; Serial No. 441,630; published May 13, 1941. Class 15.

Pure Oil Company, The, Chicago, Ill. Liquid chemical composition. 389,466; Aug. 5; Serial No. 441,637; published May 27, 1941. Class 6.

Queen Ann Company. (See McCane, T. A.)

Quiz Kids, Inc., assignor to Louis G. Cowan, Chicago, Ill. Radio scripts. 389,361; Aug. 5; Serial No. 434,086; published May 27, 1941. Class 38.

Raab-Meyerhoff, M. H., Co., Philadelphia, Pa. Outer shirts. 389,432; Aug. 5; Serial No. 441,255; published May 27, 1941. Class 39.

Raleigh Haberdasher, Washington, D. C. Men's summer suits. 389,449; Aug. 5; Serial No. 441,445; published May 20, 1941. Class 39.

Rancatti, Peter L., doing business as Mayon Products Co., North Adams, Mass. Cold cream and vanishing cream. 389,350; Aug. 5; Serial No. 429,788; published May 27, 1941. Class 6.

Remington Rand Inc., Buffalo, N. Y. Visible card indexes, card holders, blank and partially printed index cards, etc. 389,463; Aug. 5; Serial No. 441,591; published May 27, 1941. Class 37.

Revere Rubber Company, Boston, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Composition packing. 20,135; renewed Sept. 15, 1941.

Revere Rubber Company, Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Vehicle-tires made of rubber. 145,186; renewed July 26, 1941.

Revere Rubber Company, Providence R. I., assignor to United States Rubber Company, New York, N. Y. Vehicle-tires made of rubber. 145,795; renewed Aug. 16, 1941.

Rite Products Co., The. (See Griswold, Edwin A.)

Rogers, Lunt & Bowlen Company, Greenfield, Mass. Flat and hollow ware and jewelry. 145,191; renewed July 26, 1941.

Ross, Dr. W. J., Company, Los Alamitos, Calif. Granulated soap. 389,447; Aug. 5; Serial No. 441,414; published May 20, 1941. Class 4.

Royal Maid Mfg. Co., Chicago, Ill. Shower curtains. 389,367; Aug. 5; Serial No. 436,035; published May 27, 1941. Class 13.

Rubin, Samuel, New York, N. Y. Perfume. 389,378; Aug. 5; Serial No. 438,853; published Jan. 28, 1941. Class 6.

Rudley Sportswear Incorporated, New York, N. Y. Ladies' and misses' sportswear. 389,394; Aug. 5; Serial No. 440,177; published May 20, 1941. Class 39.

Ru-Ex Company, The. (See Folds, Milton W.)

Russell, Frederick C., West Hartford, Conn. Newspaper articles. 389,395; Aug. 5; Serial No. 440,178; published May 20, 1941. Class 38.

Safe Drug Stores. (See Stoppelli, Caesar A.)

Sales Management, Inc., New York, N. Y. Monthly printed periodical or trade paper. 389,539; Aug. 5. Class 38.

Salomon, L. A., & Bro., New York, N. Y. Mineral wax for industrial purposes. 389,500; Aug. 5; Serial No. 442,014; published May 27, 1941. Class 1.

Sanitary Paper Mills, Inc., The, Burnside, Conn. Cleansing or facial tissues. 389,525; Aug. 5. Class 37.

Scheffer & Rossum Co., St. Paul, Minn. Stationary vulcanizing plants. 149,497; renewed Dec. 13, 1941.
Schepp, William J., doing business as Schepp Laboratories, East Paterson, N. J. Saponaceous or non-saponaceous cleansing film. 389,417; Aug. 5; Serial No. 440,998; published May 20, 1941. Class 4.
Sears, Roebuck and Co. (See Hollingshead, R. M., Corp., assignor.)
Sears, Roebuck and Co., Chicago Ill. Mattresses. 389,519; Aug. 5; Serial No. 442,608; published May 27, 1941. Class 32.
Selmer, H. & A., Inc., Elkhart, Ind. Musical instrument pads. 389,493; Aug. 5; Serial No. 441,882; published May 27, 1941. Class 36.
Shapiro, Manuel M., doing business as Ster-o-ped Company, Beverly Hills, Calif. Ultra-violet ray sterilizing devices. 389,518; Aug. 5; Serial No. 442,569; published May 27, 1941. Class 44.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Tonics, elixirs, preparations for correction of metabolic, deficiencies. 389,450; Aug. 5; Serial No. 441,448; published May 20, 1941. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils and greases. 389,433; Aug. 5; Serial No. 441,262; published May 27, 1941. Class 15.
Specialty Products Company, Jersey City, N. J. Finish for hosiery and other textile materials. 389,470; Aug. 5; Serial No. 441,712; published May 27, 1941. Class 6.
Spencer, William H., doing business as Alliance Rubber Company, Alliance, Ohio. Rubber bands. 389,541; Aug. 5. Class 37.
Standard Chemical Company, Natick, Mass. Chemical composition. 389,398; Aug. 5; Serial No. 440,346; published May 27, 1941. Class 6.
Sta-Rite Ginnie-Lou, Inc., Shelbyville, Ill. Fingernail enamel. 389,371; Aug. 5; Serial No. 436,943; published May 27, 1941. Class 6.
State Automobile Insurance Association, by Automobile Underwriters, Inc., The, Attorney-in-Fact, Des Moines, Iowa. Periodical publication. 389,343; Aug. 5; Serial No. 420,974; published May 20, 1941. Class 38.
Steiner, M. S., doing business as Gail Manufacturing Co., Chicago, Ill. Metallic abrasive scouring pads. 389,363; Aug. 5; Serial No. 435,376; published Oct. 29, 1940. Class 4.
Ster-o-ped Company. (See Shapiro, Manuel M.)
Stetson, John B., Company, Philadelphia, Pa. Soft and stiff felt hats and caps for men and boys. 145,826; renewed Aug. 16, 1941.
Stetson, George A., Boston, Mass. Heel and arch cushions for shoes. 147,413; renewed Oct. 11, 1941.
Stoppelli, Caesar A., doing business as Safe Drug Stores, New York, N. Y. Cough mixtures. 389,455; Aug. 5; Serial No. 441,491; published May 27, 1941. Class 6.
Strutwear Knitting Company, Minneapolis, Minn. Hosiery. 389,474–5; Aug. 5; Serial Nos. 441,750–1; published May 20, 1941. Class 39.
Swedish Steel Mills' A. A. Incorporated, New York, N. Y. Rolled, drawn, and forged iron and steel. 389,537; Aug. 5. Class 14.
Swift and Company, Chicago, Ill. Washing-powder, laundry soap and soap chips. 149,514; renewed Dec. 13, 1941.
Swift, M., & Sons, Inc., Hartford, Conn. Gold, metal leaf, and metal foil. 389,529; Aug. 5. Class 14.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Paper. 389,457; Aug. 5; Serial No. 441,524; published May 27, 1941. Class 37.
Synfleur Scientific Laboratories, Inc., Monticello, N. Y. Chemicals used for imparting odor or color to perfumes. 389,384; Aug. 5; Serial No. 439,448; published May 27, 1941. Class 6.
Synfleur Scientific Laboratories, Inc., Monticello, N. Y. Chemicals used for imparting odor or color to perfumes or perfumed preparations. 389,385; Aug. 5; Serial No. 439,449; published May 20, 1941. Class 6.
Taube, Arthur, Floral Park, N. Y. Nail and cuticle cream. 389,516; Aug. 5; Serial No. 442,403; published May 20, 1941. Class 6.
Texas Mining & Smelting Company, Laredo, Tex. Antimony oxide. 389,522; Aug. 5; Serial No. 442,735; published May 27, 1941. Class 6.
Tribune Company, Chicago, Ill. Series of cartoons. 389,400; Aug. 5; Serial No. 440,477; published May 20, 1941. Class 38.
Ulman, Bernhard, Co. Inc., New York, N. Y. Art needlework yarns. 389,494; Aug. 5; Serial No. 441,931; published May 20, 1941. Class 43.
Union Asbestos & Rubber Company, Chicago, Ill. Asbestos pipe covers, asbestos blanket or sheet insulation, etc. 389,458; Aug. 5; Serial No. 441,526; published May 27, 1941. Class 12.
Union Wire Rope Corporation, Kansas City, Mo. Wire rope and wire rope cables. 389,397; Aug. 5; Serial No. 440,228; published May 27, 1941. Class 7.
United Chemical Co. (See Epstein, Meyer B.)
U. S. Industrial Chemicals, Inc., New York, N. Y. Alcohol-type solvent. 389,434; Aug. 5; Serial No. 441,267; published May 20, 1941. Class 6.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y., to United States Rubber Company, New York, N. Y. Waterproof and weatherproof coats. 144,958; renewed July 19, 1941.
United States Rubber Company. (See Hartford Rubber Works Company, assignor.)
United States Rubber Company. (See Revere Rubber Company, assignor.)
U. S. Sanitary Specialties Corporation, Chicago, Ill. Stain and filler for wood floors and the like. 389,387; Aug. 5; Serial No. 439,710; published Apr. 1, 1941. Class 16.
Vandam, Albert H., Co. Inc., New York, N. Y. Cotton piece goods. 389,501; Aug. 5; Serial No. 442,016; published May 27, 1941. Class 42.
Vanderbilt, R. T., Co., Inc., New York, N. Y. Chemical compound. 146,898; renewed Sept. 20, 1941.
Vanderbilt, R. T., Co., Inc., New York, N. Y. Clay used as a filler in the manufacture of paper. 149,277; renewed Dec. 6, 1941.
Vanitas Co. (See Klinker Manufacturing Co., The.)
Venus Foundation Garments, Inc., Chicago, Ill. Women's undergarments. 389,476; Aug. 5; Serial No. 441,752; published May 27, 1941. Class 39.
Vestal Chemical Company, St. Louis, Mo. Cleanser for toilet bowls, traps, and outlets. 389,342; Aug. 5; Serial No. 419,780; published Oct. 24, 1939. Class 6.
Vulcan Crucible Steel Company, Aliquippa, Pa. Tool-steel. 148,956; renewed Nov. 29, 1941.
Wadsworth-Howland Company, assignor to Jewel Paint & Varnish Co., Chicago, Ill. Barn-paint. 146,305; renewed Sept. 6, 1941.
Wadsworth-Howland Company, assignor to Jewel Paint & Varnish Co., Chicago, Ill. Mixed paint, varnish, enamel for decorative purposes, and liquid wood-filler. 146,396; renewed Sept. 6, 1941.
Wadsworth-Howland Company, assignor to Jewel Paint & Varnish Co., Chicago, Ill. Paint enamel for decorative purposes. 148,556; renewed Nov. 15, 1941.
Wallace, John H., Jr., doing business as Wallace Laboratories, Jersey City, N. J. Pharmaceutical ointment. 389,507–8; Aug. 5; Serial Nos. 442,151–2; published May 20, 1941. Class 6.
Warner, William R., & Co., Inc., Wilmington, Del., New York, N. Y., and St. Louis, Mo., to William R. Warner & Co., Inc., New York, N. Y. Medicinal preparation. 148,719; renewed Nov. 22, 1941.
Webster Paint & Varnish Company, Duluth, Minn. Liquid and paste wax and automobile polish. 389,412; Aug. 5; Serial No. 440,896; published May 20, 1941. Class 16.
Wheary Trunk Company, Racine, Wis. Hand luggage and trunks. 389,368–9; Aug. 5; Serial Nos. 436,531–2; published May 27, 1941. Class 3.
Wheary Trunk Company, Racine, Wis. Luggage and trunks. 389,401–2; Aug. 5; Serial Nos. 440,480–1; published May 27, 1941. Class 3.
Whitehall Letter Inc., The, Washington, D. C., and Alexandria, Va. Publication. 389,527; Aug. 5. Class 38.
Whitehead Bros. Rubber Co., The, Trenton, N. J. Gasoline hose, air hose, oil hose, etc. 389,359; Aug. 5; Serial No. 433,842; published May 27, 1941. Class 35.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Units of silver pierate, sodium chloride, sulfanilamide, etc. 389,377; Aug. 5; Serial No. 438,824; published May 27, 1941. Class 6.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Vitamin fortified yeast concentrate. 389,451; Aug. 5; Serial No. 441,458; published May 20, 1941. Class 6.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Preparation for use in the treatment of anemia. 389,495; Aug. 5; Serial No. 441,933; published May 27, 1941. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bristles for the manufacturing of brushes. Mitsui & Co. 389,504; Aug. 5; Serial No. 442,134; published May 27, 1941.
Clay used as a filler in the manufacture of paper. R. T. Vanderbilt Co. 149,277; renewed Dec. 6, 1941.
Leathers. Chicago-Tanning Company. 148,799; renewed Nov. 29, 1941.
Mineral wax for industrial purposes. L. A. Salomon & Bro. 389,500; Aug. 5; Serial No. 442,014; published May 27, 1941.
Poultry litter. Cooperative G. L. F. Soil Building Service, Inc. 389,389; Aug. 5; Serial No. 439,771; published May 27, 1941.
Resins, Artificial. Monsanto Chemical Company. 389,505; Aug. 5; Serial No. 442,135; published May 27, 1941.

CLASS 2

Boxes, cups, wrapper, etc., Paper. Bessire & Company. 389,405; Aug. 5; Serial No. 440,641; published May 27, 1941.

Containers or receptacles, Ice. A. Hammerer Cooperage Corporation. 389,536; Aug. 5.
Vanity cases. F. R. Prina. 389,513; Aug. 5; Serial No. 442,281; published May 27, 1941.

CLASS 3

Luggage and trunks. Wheary Trunk Company. 389,401–2; Aug. 5; Serial Nos. 440,480–1; published May 27, 1941.
Luggage and trunks, Hand. Wheary Trunk Company. 389,368–9; Aug. 5; Serial Nos. 436,531–2; published May 27, 1941.

CLASS 4

Abrasive scouring pads, Metallic. M. S. Steiner. 389,363; Aug. 5; Serial No. 435,376; published Oct. 29, 1940.
Polish, Stove. H. Goldberg. 389,376; Aug. 5; Serial No. 438,731; published May 20, 1941.
Saponaceous or non-saponaceous cleansing film. W. J. Schepp. 389,417; Aug. 5; Serial No. 440,998; published May 20, 1941.
Sheet material coated with abrasive grains. Carborundum Company. 389,358; Aug. 5; Serial No. 433,476; published May 20, 1941.
Soap. Claire Manufacturing Company. 389,491; Aug. 5; Serial No. 441,859; published May 20, 1941.
Soap, Granulated. Dr. W. J. Ross Company. 389,447; Aug. 5; Serial No. 441,414; published May 20, 1941.
Washing compound. W. A. Kittredge Compauy. 149,130; renewed Dec. 6, 1941.
Washing-powder, laundry soap and soap chips. Swift and Company. 149,514; renewed Dec. 13, 1941.

CLASS 6

Antiseptic baby oil athletic liniment, and acid powder, etc. Goldsmith Bros. 389,520; Aug. 5; Serial No. 442,701; published May 27, 1941.
Bath preparation, Foot bubble. Bellin's Wonderstoen Co. 389,509; Aug. 5; Serial No. 442,184; published May 20, 1941.
Chemical composition. Standard Chemical Company. 389,398; Aug. 5; Serial No. 440,346; published May 27, 1941.
Chemical composition, Liquid. Pure Oil Company. 389,466; Aug. 5; Serial No. 441,637; published May 27, 1941.
Chemical compound. R. T. Vanderbilt Co. 146,898; renewed Sept. 20, 1941.
Chemical substances. Johnson & Sons, Manufacturing Chemists, Limited. 145,701; renewed Aug. 16, 1941.
Chemicals used for imparting odor or color to perfumes. Synfleur Scientific Laboratories, Inc. 389,384; Aug. 5; Serial No. 439,448; published May 27, 1941.
Chemicals used for imparting odor or color to perfumes. Synfleur Scientific Laboratories, Inc. 389,385; Aug. 5; Serial No. 439,449; published May 20, 1941.
Chemotherapeutic agent. Parke, Davis & Company. 389,464; Aug. 5; Serial No. 441,626; published May 27, 1941.
Cleaner for toilet bowls, traps, and outlets. Vestal Chemical Company. 389,342; Aug. 5; Serial No. 419,780; published Oct. 24, 1939.
Cosmetics. M. B. Epstein. 389,345; Aug. 5; Serial No. 425,047; published Feb. 27, 1940.
Cosmetics. Klinker Manufacturing Company. 389,542; Aug. 5.
Cosmetics. Lorr Laboratories. 389,462; Aug. 5; Serial No. 441,580; published May 27, 1941.
Cough mixtures. C. A. Stoppelli. 389,455; Aug. 5; Serial No. 441,491; published May 27, 1941.
Cough syrup. National Pharmacy Company. 389,430; Aug. 5; Serial No. 441,251; published May 20, 1941.
Cream and vanishing cream, Cold. P. L. Rancatti. 389,350; Aug. 5; Serial No. 429,788; published May 27, 1941.
Cream, Nail and cuticle. A. Taube. 389,516; Aug. 5; Serial No. 442,403; published May 20, 1941.
Creams, lotions, and hair preparations, Cosmetic. M. C. Marble. 389,354; Aug. 5; Serial No. 431,124; published May 27, 1941.
Developers, Photographic. Johnson & Sons, Manufacturing Chemists, Limited. 145,702; renewed Aug. 16, 1941.
Dilatant and anti-spasmodic preparation, Volatile. M-Dex Corporation of California. 389,414; Aug. 5; Serial No. 440,943; published May 27, 1941.
Dyes. Monroe Chemical Company. 389,346; Aug. 5; Serial No. 427,551; published May 27, 1941.
Dyestuffs. E. I. du Pont de Nemours and Company. 145,655; renewed Aug. 16, 1941.
Enamel, Fingernail. Sta-Rite Ginnie-Lou, Inc. 389,371; Aug. 5; Serial No. 436,943; published May 27, 1941.
Exterminators, Rat and mouse. S. L. Cowley. 389,357; Aug. 5; Serial No. 432,463; published May 20, 1941.
Face packs for toilet use all containing yeast. Cosmetic Yeast, Limited. 389,422; Aug. 5; Serial No. 441,085; published May 27, 1941.
Finish for hosiery and other textile materials. Specialty Products Company. 389,470; Aug. 5; Serial No. 441,712; published May 27, 1941.
Furnace black. Binney & Smith Company. 389,408; Aug. 5; Serial No. 440,738; published May 27, 1941.
Hair dressing. E. M. Hamilton. 389,485; Aug. 5; Serial No. 441,821; published May 27, 1941.
Hair dressing or pomade, talcum powder, skin bleach, etc. T. A. McCane. 389,456; Aug. 5; Serial No. 441,516; published May 27, 1941.
Insecticide. Derris, Inc. 389,483; Aug. 5; Serial No. 441,812; published May 27, 1941.
Laxative. W. T. Hanson Co. 389,424; Aug. 5; Serial No. 441,134; published May 27, 1941.
Medicinal preparation. M. W. Folds. 389,347; Aug. 5; Serial No. 427,976; published Apr. 23, 1940.
Medicinal preparation. William R. Warner & Co. 148,719; renewed Nov. 22, 1941.
Medicinal preparation of calcium pantothenate. Eli Lilly and Company. 389,479; Aug. 5; Serial No. 441,777; published May 27, 1941.
Medicinal preparations. R. Jordon y Ramos. 389,477; Aug. 5; Serial No. 441,771; published May 27, 1941.
Ointment, Pharmaceutical. John H. Wallace, Jr. 389,507–8; Aug. 5; Serial Nos. 442,151–2; published May 20, 1941.
Ointment used for a treatment for piles. E. A. Griswold. 389,423; Aug. 5; Serial No. 441,092; published May 27, 1941.
Oxide, Antimony. Texas Mining & Smelting Company. 389,522; Aug. 5; Serial No. 442,735; published May 27, 1941.
Parasiticides, Agricultural. Atlas Powder Company. 389,427; Aug. 5; Serial No. 441,190; published May 20, 1941.
Perfume. S. Rubin. 389,378; Aug. 5; Serial No. 438,853; published Jan. 28, 1941.
Perfumes and toilet water. Parfums Ciro, Inc. 389,438; Aug. 5; Serial No. 441,326; published May 20, 1941.
Perfumes, toilet water, sachets, etc. Parfums Carbert, Inc. 389,431; Aug. 5; Serial No. 441,254; published May 20, 1941.
Preparation for the treatment of coughs and colds. J. G. Mosley. 389,473; Aug. 5. Serial No. 441,737; published May 27, 1941.
Preparation for use as a stumulant in gastroenteological practice. Harrower Laboratory, Inc. 389,448; Aug. 5; Serial No. 441,434; published May 20, 1941.
Preparation for use in the treatment of anemia. John Wyeth & Brother, Incorporated. 389,495; Aug. 5; Serial No. 441,933; published May 27, 1941.
Preparations for use in connection with the digestive disorders. Foster-McClellan Co. 146,741; renewed Sept. 20, 1941.
Preparations used in the treatment of colds. Nyal Company. 389,445; Aug. 5; Serial No. 441,408; published May 20, 1941.
Product for the treatment of streptococcic, pneumococcic, stophylococcic and related infections. Wm. S. Merrell Company. 389,517; Aug. 5; Serial No. 442,452; published May 27, 1941.
Product used in the treatment of high blood pressure. Wm. S. Merrell Company. 389,435; Aug. 5; Serial No. 441,286; published May 20, 1941.
Scalp stimulant, after-shave lotion, and eau de cologne. Lentheric, Incorporated. 389,461; Aug. 5; Serial No. 441,545; published May 27, 1941.
Sedatives. H. G. Knoll & Co. 389,511; Aug. 5; Serial No. 442,267; published May 20, 1941.
Shoe dye. R. M. Hollingshead Corp. 389,370; Aug. 5; Serial No. 434,645; published May 27, 1941.
Silver pierate, sodium chloride, sulfanilamide, etc., Units of. John Wyeth & Brother, Incorporated. 389,377; Aug. 5; Serial No. 438,824; published May 27, 1941.
Solvent, Alcohol-type. U. S. Industrial Chemicals, Inc. 389,434; Aug. 5; Serial No. 441,267; published May 20, 1941.
Sprays and white oils, Fly. California Texas Oil Company. 389,373; Aug. 5; Serial No. 438,034; published May 27, 1941.
Toilet preparations. Klinker Manufacturing Co. 147,785; renewed Nov. 1, 1941.
Toilet water, eau de cologne, perfumes, etc. F. Koenigsberger. 389,521; Aug. 5; Serial No. 442,712; published May 27, 1941.
Tonics, elixirs, preparations for correction of metabolic deficiencies. Sharp & Dohme, Incorporated. 389,450; Aug. 5; Serial No. 441,448; published May 20, 1941.
Treatment for relief of effects of alcohol and alcoholic toxins in the human body. B-P T Company. 389,489; Aug. 5; Serial No. 441,849; published May 20, 1941.
Triethanolamine. Armand Company. 389,510; Aug. 5; Serial No. 442,247; published May 20, 1941.
Vitamin B complex with a diastatic enzyme, Combination of. Parke, Davis & Company. 389,446; Aug. 5; Serial No. 441,409; published May 20, 1941.
Yeast concentrate, Vitamin fortified. John Wyeth & Brother, Incorporated. 389,451; Aug. 5; Serial No. 441,458; published May 20, 1941.

CLASS 7

Braids and twines. Atkins & Pearce Manufacturing Company. 389,365; Aug. 5; Serial No. 435,566; published May 27, 1941.
Wire rope and wire rope cables. Union Wire Rope Construction. 389,397; Aug. 5; Serial No. 440,228; published May 27, 1941.

CLASS 8

Pipes. M. Bressler. 389,528; Aug. 5.

CLASS 9

Match books. Arrow Match Corporation. 389,535; Aug. 5.

CLASS 12

Pipe covers, blanket or sheet insulation, etc.. Asbestos. Union Asbestos & Rubber Company. 389,458; Aug. 5; Serial No. 441,526; published May 27, 1941.
Puttying and caulking compounds. Presstite Engineering Company. 389,426; Aug. 5; Serial No. 441,176; published May 27, 1941.
Refractories, Plastic monolithic. M. W. Kellogg Company. 389,460; Aug. 5; Serial No. 441,543; published May 20, 1941.
Steel member, Structural. Celotex Corporation. 389,480; Aug. 5; Serial No. 441,809; published May 20, 1941.
Thermos-jackets, a felt cover for water heaters and boilers to conserve heat. Bastian-Morley Co. 147,544; renewed Oct. 25, 1941.
Weatherproof material, Sheet type. L. K. Lippert. 389,421; Aug. 5; Serial No. 441,055; published May 27, 1941.

CLASS 13

Aluminum cooking utensils. Leyse Aluminum Company. 149,430; renewed Dec. 13, 1941.
Bathroom wall fixtures. American Enameled Products Company. 389,411; Aug. 5; Serial No. 440,846; published May 27, 1941.
Piping, conduits, etc., Sheet metal and cast metal. Chicago Metal Mfg. Co. 389,356; Aug. 5; Serial No. 432,073; published Sept. 24, 1940.
Shower bath curtains and window drapes. Para Manufacturing Co. 389,534; Aug. 5.
Shower curtains. Royal Maid Mfg. Co. 389,367; Aug. 5; Serial No. 436,035; published May 27, 1941.

CLASS 14

Drill-rods and cold-drawn steel. Pittsburgh Tool Steel Wire Company. 149,483; renewed Dec. 13, 1941.
Gold and metal leaf and metal foil. M. Swift & Sons, Inc. 389,529; Aug. 5.
Iron and steel, Rolled, drawn, and forged. Swedish Steel Mills' A. A. Incorporated. 389,537; Aug. 5.
Steel articles. Daimler-Benz Aktiengesellschaft. 389,338; Aug. 5; Serial No. 399,600; published May 20, 1941.
Steel articles. Daimler-Benz Aktiengesellschaft. 389,340; Aug. 5; Serial No. 403,645; published May 20, 1941.
Tool-steel. Vulcan Crucible Steel Company. 148,956; renewed Nov. 29, 1941.

CLASS 15

Gasoline, lubricating oils and greases. Globe Oil & Refining Company. 389,388; Aug. 5; Serial No. 439,717; published May 13, 1941.
Grease, Gear. H. R. Drullard. 389,531; Aug. 5.
Kerosene. National Refining Company. 389,404; Aug. 5; Serial No. 440,562; published May 27, 1941.
Oils and greases, Lubricating. California Texas Oil Company. 389,374; Aug. 5; Serial No. 438,036; published May 27, 1941.
Oils and greases, Lubricating. Socony-Vacuum Oil Company. 389,433; Aug. 5; Serial No. 441,262; published May 27, 1941.
Oils, Lubricating. Continental Oil Company. 389,437; Aug. 5; Serial No. 441,310; published May 13, 1941.
Oils, Lubricating. Pure Oil Company. 389,465; Aug. 5; Serial No. 441,630; published May 13, 1941.

CLASS 16

Coating materials. H. Forsberg Company. 389,418; Aug. 5; Serial No. 441,016; published May 27, 1941.
Mixed paint, varnish, enamel for decorative purposes, and liquid wood-filler. Wadsworth-Howland Company. 146,396; renewed Sept. 6, 1941.
Paint, Barn. Wadsworth-Howland Company. 146,395; renewed Sept. 6, 1941.
Paint enamel. McDougall-Butler Co. 149,440; renewed Dec. 13, 1941.
Paint enamel for decorative purposes. Wadsworth-Howland Company. 148,556; renewed Nov. 15, 1941.
Solution of synthetic resins used as a paint, etc. B. F. Goodrich Company. 389,366; Aug. 5; Serial No. 435,581; published May 27, 1941.
Stain and filler for wood floors and the like. U. S. Sanitary Specialties Corporation. 389,387; Aug. 5; Serial No. 439,710; published Apr. 1, 1941.
Varnish. McDougall-Butler Co. 149,438–9; renewed Dec. 13, 1941.
Wax and automobile polish, Liquid and paste. Webster Paint & Varnish Company. 389,412; Aug. 5; Serial No. 440,896; published May 20, 1941.
Wax and furniture polish, Floor. Deeris, Inc. 389,484; Aug. 5; Serial No. 441,813; published May 20, 1941.
Wax polishing preparation, Combination cleaning. S. C. Johnson & Son, Inc. 389,413; Aug. 5; Serial No. 440,940; published May 20, 1941.

CLASS 17

Cigarettes, Alexander Boguslávsky, Ltd. 144,174; renewed June 28, 1941.

CLASS 21

Electric chimes, door signals, and interoffice signaling devices. Nutone Chimes, Inc. 389,530; Aug. 5.
Electric furnaces and parts thereof, High-frequency. Ajax Electrothermic Corporation. 146,157; renewed Sept. 6, 1941.
Heater, Electric. Fisher Scientific Company. 389,428; Aug. 5; Serial No. 441,198; published May 27, 1941.
Lighting fixtures and bulbs, Electric. Full-O-Lite Corporation. 389,492; Aug. 5; Serial No. 441,863; published May 27, 1941.

CLASS 23.

Attachments in the nature of a coupler. Eureka Vacuum Cleaner Company. 389,390; Aug. 5; Serial No. 439,807; published May 27, 1941.
Cotton gins. Lummus Cotton Gin Company. 389,543; Aug. 5.
Gears and differential-cases for vehicle rear axles. Detroit Bevel Gear Company. 149,032; renewed Dec. 6, 1941.
Gears and machinery. Bilgram Gear & Machine Works. 389,526; Aug. 5.
Internal combustion engines, parts for internal combustion engines, etc. Packard Motor Car Company. 389,399; Aug. 5; Serial No. 440,377; published May 27, 1941.
Machines and tools for moistening, serving, or applying adhesive or gummed tape, etc. Nashua Package Sealing Co. Inc. 389,382; Aug. 5; Serial No. 439,168; published May 27, 1941.
Tools, Hand. American Fork & Hoe Company. 389,344; Aug. 5; Serial No. 424,513; published July 23, 1940.
Vulcanizing plants, Stationary. Scheffer & Rossum Co. 149,497; renewed Dec. 13, 1941.

CLASS 25

Locks and keys. Chicago Lock Company. 389,351; Aug. 5; Serial No. 429,934; published May 7, 1940.

CLASS 26

Apparatus designed to illustrate the laws of economics by physical analogies. J. D. Mooney. 389,407; Aug. 5; Serial No. 440,704; published May 27, 1941.
Battery charging and testing apparatus, Combined. Mercury Battery Charger Tester Corp. 389,393; Aug. 5; Serial No. 440,013; published May 27, 1941.
Instrument to determine the hemoglobin content of blood. Fisher Scientific Company. 389,532; Aug. 5.
Magnifying and illuminating devices, Combined. Eastern Machine Screw Corporation. 389,416; Aug. 5; Serial No. 440,979; published May 27, 1941.
Navigational instruments, Aircraft. Avia, Lear Inc. 389,478; Aug. 5; Serial No. 441,776; published May 27, 1941.
Pictures, Sound motion. Mills Novelty Company. 389,364; Aug. 5. Serial No. 435,399; published May 27, 1941.
Slide rules. Charis Corporation. 389,481; Aug. 5; Serial No. 441,810; published May 27, 1941.
Spectacles, eyeglasses and ophthalmic mountings, etc. Bishop Company. 147,273; renewed Oct. 11, 1941.

CLASS 28.

Chains for personal adornment made of or plated with precious metal. Forstner Chain Corporation. 144,768; renewed July 19, 1941.
Flat and hollow ware and jewelry. Rogers, Lunt & Bowlen Company. 145,191; renewed July 26, 1941.
Hollow ware and tableware, Sterling silver. Ellmore Silver Company, Incorporated. 389,468; Aug. 5; Serial No. 441,673; published May 27, 1941.
Necklaces and bracelets, finger rings, etc. Cohn & Rosenberger Inc. 389,406; Aug. 5; Serial No. 440,674; published May 27, 1941.

CLASS 32

Furniture General Fireproofing Company. 147,606; renewed Oct. 25, 1941.
Furniture provided with springs. No-Sag Spring Company. 389,469; Aug. 5; Serial No. 441,683; published May 27, 1941.
Mattresses. Plymouth Wholesale Dry Goods Corporation. 389,512; Aug. 5; Serial No. 442,279; published May 27, 1941.
Mattresses. Sears, Roebuck and Co. 389,519; Aug. 5; Serial No. 442,608; published May 27, 1941.

CLASS 34.

Gas water-heaters. Bastian-Morley Co. 148,787; renewed Nov. 29, 1941.

CLASS 35

Hose, Gasoline, air, oil, etc. Whitehead Bros. Rubber Co. 389,359; Aug. 5; Serial No. 433,842; published May 27, 1941.
Packing, Composition. Revere Rubber Company. 20,135; re-renewed Sept. 15, 1941.
Repair patches, Fabric and rubber. Las-Stik Patch Mfg. Co. 144,426; renewed July 5, 1941.
Tires made of rubber, Vehicle. Hartford Rubber Works Company. 145,109; renewed July 26, 1941.
Tires made of rubber, Vehicle. Revere Rubber Company. 145,186; renewed July 26, 1941.
Tires made of rubber, Vehicle. Revere Rubber Company. 145,795; renewed Aug. 16, 1941.

Tires, Pneumatic. Gates Rubber Company. 389,503; Aug. 5; Serial No. 442,121; published May 27, 1941.
Tires, Pneumatic. National Tire Stores Inc. 389,506; Aug. 5; Serial No. 442,137; published May 27, 1941.

CLASS 36

Musical instrument pads. H. & A. Selmer, Inc. 389,493; Aug. 5; Serial No. 441,882; published May 27, 1941.
Musical instruments. American Piano Company. 148,980–1; renewed Dec. 6, 1941.
Phonograph records. N. B. Mayhams. 389,362; Aug. 5; Serial No. 434,802; published May 27, 1941.

CLASS 37

Book paper in rolls or sheets. McGraw-Hill Publishing Company. 389,454; Aug. 5; Serial No. 441,480; published May 27, 1941.
Bristol-board. J. W. Butler Paper Company. 145,055; renewed July 26, 1941.
Paper. Sylvania Industrial Corporation. 389,457; Aug. 5; Serial No. 441,524; published May 27, 1941.
Paper, Bond. Hammermill Paper Company. 389,472; Aug. 5; Serial No. 441,733; published May 27, 1941.
Papers, Certain named. Educational Supply Company. 149,043; renewed Dec. 6, 1941.
Paper for poster and label work. J. W. Butler Paper Company. 145,052; renewed July 26, 1941.
Paper toilet seat covers, Self-disposing. Consolidated Cover Co. 389,482; Aug. 5; Serial No. 441,811; published May 27, 1941.
Paper towels. Bay West Paper Company. 389,499; Aug. 5; Serial No. 441,995; published May 27, 1941.
Paper towels. Beach & Arthur Paper Co. 389,490; Aug. 5; Serial No. 441,850; published May 27, 1941.
Paper towels. International Tissue Corp. 389,459; Aug. 5; Serial No. 441,540; published May 27, 1941.
Paper, Wrapping. Graham Paper Company. 389,471; Aug. 5; Serial No. 441,730; published May 27, 1941.
Rubber bands. W. H. Spencer. 389,541; Aug. 5.
Tissues, Cleansing or facial. Sanitary Paper Mills, Inc. 389,525; Aug. 5.
Tracing sheets, Transparent. Frederick Post Company. 389,372; Aug. 5; Serial No. 437,663; published May 27, 1941.
Visible card indexes, card holders and partially printed index cards, etc. Remington Rand Inc. 389,463; Aug. 5; Serial No. 441,591; published May 27, 1941.

CLASS 38

Books, hymnals, textbooks, etc. Board of Christian Education of the Presbyterian Church in the United States of America. 389,538; Aug. 5.
Cartoons or drawings, Comic. J. Ollendorff. 389,375; Aug. 5; Serial No. 438,548; published May 20, 1941.
Cartoons, Series of. Tribune Company. 389,400; Aug. 5; Serial No. 440,477; published May 20, 1941.
Cartoon strips and scripts for a series of radio broadcasts. K. McGaw. 389,540; Aug. 5.
Feature column or article of periodical or regular issue. D. E. Clark, II. 389,436; Aug. 5; Serial No. 441,309; published May 20, 1941.
Magazine issued monthly. Netherlands-American Digest, Inc. 389,380; Aug. 5; Serial No. 438,958; published May 20, 1941.
Magazine publication. American Comics, Inc., The. 389,439; Aug. 5; Serial No. 441,341; published May 20, 1941.
Magazine published from time to time. Kingsway Press, Inc. 389,403; Aug. 5; Serial No. 440,557; published May 20, 1941.
Newspaper and magazine column. M. Andersen. 389,452; Aug. 5; Serial No. 441,462; published May 20, 1941.
Newspaper articles. F. C. Russell. 389,395; Aug. 5; Serial No. 440,178; published May 20, 1941.
Periodical. Irving-Cloud Publishing Co. 389,419; Aug. 5; Serial No. 441,022; published May 27, 1941.
Periodical. Mid-West Community Sales Service Co. 389,415; Aug. 5; Serial No. 440,944; published May 20, 1941.
Periodical publication. Fawcett Publications, Inc. 389,391; Aug. 5; Serial No. 439,861; published May 13, 1941.
Periodical publication. State Automobile Insurance Association by Automobile Underwriters, Inc. 389,343; Aug. 5; Serial No. 420,974; published May 20, 1941.
Printed periodical or trade paper. Sales Management, Inc. 389,539; Aug. 5.
Printed transfers. F. P. Hamilton Jr. 389,386; Aug. 5; Serial No. 439,618; published May 20, 1941.
Prints, drawings and computation, Architectural and engineering. American Diagrid Corporation. 389,396; Aug. 5; Serial No. 440,185; published May 27, 1941.
Publication. Harvey & Howe, Inc. 389,339; Aug. 5; Serial No. 392,754; published Sept. 7, 1937.
Publication. Whitehall Letter Inc. 389,527; Aug. 5.
Scripts, Radio. Quiz Kids, Inc. 389,361; Aug. 5; Serial No. 434,086; published May 27, 1941.
Section in a magazine. Meridith Publishing Company, The. 389,442–4; Aug. 5; Serial Nos. 441,402–4; published May 20, 1941.
Section of a periodical. Patterson Publishing Company. 389,349; Aug. 5; Serial No. 429,745; published Apr. 29, 1941.

CLASS 39

Belts, Rope. Ben Hur Products, Inc. 389,352; Aug. 5; Serial No. 430,163; published May 27, 1941.
Boots and shoes, Leather. Knipe Bros., Inc. 149,132; renewed Dec. 6, 1941.
Clothing. Hausman, Newman & Miller, Inc. 389,381; Aug. 5; Serial No. 439,105; published May 27, 1941.
Coats, Men's and boys'. Greenspoon Clothing Co. 389,341; Aug. 5; Serial No. 415,775; published Feb. 6, 1940.
Coats, suits, dresses, etc. Benkaim Stores. 389,514; Aug. 5; Serial No. 442,301; published May 27, 1941.
Coats, Waterproof and weatherproof. United States Rubber Company. 144,958; renewed July 19, 1941.
Collars, cuffs, shirts, and pajamas. F. Jacobson & Sons. 389,337; Aug. 5; Serial No. 361,703; published Sept. 8, 1936.
Corsets, brassières, and undergarments. Famous. 145,661; renewed Aug. 16, 1941.
Dresses. Colby Classics, Inc. 389,440; Aug. 5; Serial No. 441,349; published May 27, 1941.
Dresses, blouses, and shirts, Women's. McMullen-Leavens Co. 389,360; Aug. 5; Serial No. 434,028; published May 20, 1941.
Dresses, skirts, blouses, etc. L. K. Abbott. 389,497; Aug. 5; Serial No. 441,987; published May 27, 1941.
Hats. Adam Hat Stores, Inc. 389,498; Aug. 5; Serial No. 441,988; published May 27, 1941.
Hats for men and boys. John B. Stetson Company. 145,826; renewed Aug. 16, 1941.
Heel and arch cushions for shoes. G. A. Stetson. 147,413; renewed Oct. 11, 1941.
Hosiery. Strutwear Knitting Company. 389,474–5; Aug. 5; Serial Nos. 441,750–1; published May 20, 1941.
Neckties. Hoeflich & Sons Neckwear Co., Inc. 389,410; Aug. 5; Serial No. 440,817; published May 27, 1941.
Pants, Baby. Morris, Mann & Reilly. 149,175–6; renewed Dec. 6, 1941.
Raincoats. M. C. Geilfus. 389,355; Aug. 5; Serial No. 431,134; published May 20, 1941.
Rubber heels and soles. Goodyear Tire & Rubber Company. 389,496; Aug. 5; Serial No. 441,959; published May 27, 1941.
Shirts. M. H. Raab-Meyerhoff Co. 389,432; Aug. 5; Serial No. 441,255; published May 27, 1941.
Shoes. Endicott Johnson Corporation. 389,353; Aug. 5; Serial No. 430,496; published May 27, 1941.
Shoes. Geo. E. Keith Company. 389,425; Aug. 5; Serial No. 441,137; published May 27, 1941.
Soles and heels. Lima Cord Sole & Heel Company. 149,142; renewed Dec. 6, 1941.
Sportswear. Rudley Sportswear Incorporated. 389,394; Aug. 5; Serial No. 440,177; published May 20, 1941.
Suits. Joseph & Feiss Company. 389,379; Aug. 5; Serial No. 438,947; published May 27, 1941.
Suits, Summer. Raleigh Haberdasher. 389,449; Aug. 5; Serial No. 441,445; published May 20, 1941.
Swim trunks. B. V. D. Corporation, The. 389,453; Aug. 5; Serial No. 441,467; published May 20, 1941.
Undergarments. Venus Foundation Garments, Inc. 389,476; Aug. 5; Serial No. 441,752; published May 27, 1941.
Wearing apparel. J. Diamond. 389,392; Aug. 5; Serial No. 439,889; published May 27, 1941.

CLASS 42

Billiard table cloth. Brunswick-Balke-Collender Company. 389,502; Aug. 5; Serial No. 442,104; published May 27, 1941.
Curtains, Window. Bartmann & Bixer Inc. 389,348; Aug. 5; Serial No. 428,791; published May 27, 1941.
Fabrics in the piece, Knitted or woven. Draper Brothers Company. 389,533; Aug. 5.
Fabrics, Knitted or netted textile. American Anode Inc. 389,409; Aug. 5; Serial No. 440,770; published May 27, 1941.
Piece goods, Cotton. Albert H. Vandam Co., Inc. 389,501; Aug. 5; Serial No. 442,016; published May 27, 1941.

CLASS 43

Thread made of rubber. B. F. Goodrich Company. 143,957; renewed June 21, 1941.
Yarns. Home Woolen Mills. 149,112; renewed Dec. 6, 1941.
Yarns, Art needlework. Bernhard Ulman Co., Inc. 389,194; Aug. 5; Serial No. 441,931; published May 20, 1941.
Yarns, Cotton. Fine Cotton Spinners and Doublers' Association, Limited. 141,546; renewed Apr. 26, 1941.

CLASS 44

Dental, medical, and surgical appliances. B. F. Goodrich Company. 144,219; renewed June 28, 1941.
Denture bases, Swaged metal. Austenal Laboratories, Inc. 389,429; Aug. 5; Serial No. 441,224; published May 27, 1941.
Respirators and parts therefor. American Optical Company. 389,523; Aug. 5; Serial No. 442,768; published May 27, 1941.
Sterilizing devices, Ultra-violet ray. M. M. Shapiro. 389,518; Aug. 5; Serial No. 442,569; published May 27, 1941.

Teethers, teething rattlers, and teething necklaces. P. E. Allen. 389,467; Aug. 5; Serial No. 441,660; published May 27, 1941.

CLASS 45

Beverage, Nonalcoholic. A. Libitz. 389,515; Aug. 5; Serial No. 442,397; published May 27, 1941.
Beverage, Non-alcoholic, maltless. Coleman & Company, Limited. 146,970; renewed Sept. 27, 1941.
Beverages. H. A. Castleman. 389,383; Aug. 5; Serial No. 439,407; published Mar. 4, 1941.
Ginger ale, lithiated sparkling water, lime rickey, etc. S. Bershin. 389,524; Aug. 5.
Soft drinks, and syrups therefor, Carbonated. H. P. Hood & Sons, Inc. 149,113; renewed Dec. 6, 1941.

CLASS 46

Baking-powder. Johnson-Appleby Company. 149,125; renewed Dec. 6, 1941.
Corn-starch. Corn Products Refining Company. 149,365; renewed Dec. 13, 1941.
Milk, Sweetened condensed. American Milk Products Corporation. 147,262; renewed Oct. 11, 1941.
Milk, Unsweetened evaporated. American Milk Products Corporation. 147,261; renewed Oct. 11, 1941.
Milk, Unsweetened evaporated. American Milk Products Corporation. 147,263; renewed Oct. 11, 1941.
Milk, Unsweetened evaporated. American Milk Products Corporation. 148,978; renewed Dec. 6, 1941.
Olives, catsup, salad-dressing, etc. William Edwards Company. 144,753; renewed July 19, 1941.
Spaghetti, macaroni, vermicelli, and noodles. Gandolfe-Ghio Mfg. Co. 149,384; renewed Dec. 13, 1941.
Whip-powder. Hirsch Brothers Co. Inc. 140,399; renewed Mar. 15, 1941.

CLASS 47

Aperif wine, American. Lucien Ardin Inc. 389,486; Aug. 5; Serial No. 441,840; published May 27, 1941.
Vermouth. Lucien Ardin Inc. 389,487–8; Aug. 5; Serial Nos. 441,841–2; published May 27, 1941.
Vermouth. Ehrman Bros. Horn & Co. 389,441; Aug. 5; Serial No. 441,391; published May 27, 1941.

CLASS 50

Heat proof pads. M. Jany. 389,420; Aug. 5; Serial No. 441,023; published May 27, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Automatic Devices Corporation. (See Lehmann, Herbert G., assignor.)
Grand Rapids Store Equipment Co. (See Welch, Kenneth C., assignor.)
Lehmann, Herbert G., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. Re. 21,870; Aug. 5.
Welch, Kenneth C., assignor to Grand Rapids Store Equipment Co., Grand Rapids, Mich. Shelf support. Re. 21,871; Aug. 5.

LIST OF PLANT PATENTEES

Roland, Phillips H., assignor to Thomas Roland, Inc., Nahant, Mass. Rose plant. 480; Aug. 5.
Roland, Thomas, Inc. (See Roland, Phillips H., assignor.)

LIST OF DESIGN PATENTEES

Abel, Adam E., Linthicum Heights, Md. Radio transmitter. 128,684; Aug. 5.
Aber, Pearl V., Los Angeles, Calif. Illuminable vanity case. 128,658; Aug. 5.
Acme Specialty Manufacturing Company, The. (See Bohn, Walter J., assignor.)
Aluminum Cooking Utensil Company, The. (See Brickley, Samuel C., assignor.)
American Can Company. (See Preis, Carl, assignor.)
Armour, David, Larchmont, N. Y. Dress. 128,696; Aug. 5.
Armstrong Cork Company. (See Ireys, Meredith S., assignor.)
Backert, Joseph H., Chicago, Ill. Wall cabinet. 128,659; Aug. 5.
Bakeman, Edwin A., assignor of one-half to J. H. Van Camp, Belding, Mich. Screw driver bit. 128,609; Aug. 5.
Baker, Marie, Salem, Oreg. Food mold or similar article. 128,610; Aug. 5.
Baldwin Company, The. (See Day, Wilbur M., assignor.)
Barnes, Lee O., Portland Oreg. Culinary tongs. 128,611; Aug. 5.
Beck, John H., Kansas City, Mo. Game board. 128,612; Aug. 5.
Becker, John D., Chowchilla, Calif. Dispenser cap. 128,613; Aug. 5.
Beckwith, Edwin L., Brookline, Mass. Scabbard. 128,614; Aug. 5.
Bohn, Walter J., assignor to The Acme Specialty Manufacturing Company, Toledo, Ohio. Toilet mirror. 128,660; Aug. 5.
Borden, Rose M., New York, assignor to Debby Doll Dress Co., Brooklyn, N. Y. Hanger for doll clothing. 128,615; Aug. 5.
Boren, John W., Marinette, Wis. Basin holding stand. 128,616; Aug. 5.
Brady, David R., Highland Park, assignor to D. R. Brady and J. W. Davis, joint trustees for the Brady Research Company, Detroit, Mich. Shoe. 128,617; Aug. 5.
Brady Research Company. (See Brady, David R.)
Brickley, Samuel C., Arnold, assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Pitcher or similar article. 128,618; Aug. 5.
Buxton, Warner R., deceased; M. A. Buxton, Longmeadow, Mass., executrix. Flexible pocket receptacle. 128,661; Aug. 5.
Buxton, Mabel A., executrix. (See Buxton, Warner R.)
Byrne, Maurice H., Oak Park, Ill. Advertising sign or similar article. 128,600; Aug. 5.
Cashin, Bonnie, New York, N. Y. Dress. 128,697; Aug. 5.
Cashin, Bonnie, New York, N. Y. Dress. 128,698; Aug. 5.
Cashin, Bonnie, New York, N. Y. Dress. 128,699; Aug. 5.
Cashin, Bonnie, New York, N. Y. Dress. 128,700; Aug. 5.
Cashin, Bonnie, New York, N. Y. Dress. 128,701; Aug. 5.
Cashin, Bonnie, New York, N. Y. Dress. 128,702; Aug. 5.
Cashin, Bonnie, New York, N. Y. Dress. 128,703; Aug. 5.
Chaine, Ruth E., New York, N. Y. Baby Santa Claus doll. 128,601; Aug. 5.
Chipman, Richmond Lane, Jr., Montclair, N. J., assignor to J. L. Sweeney, New York, N. Y. Typewriter casing. 128,673; Aug. 5.
Chott, Edward L., Chicago, Ill. Dental brush. 128,685; Aug. 5.
Ciccone, Elizabeth, M., New York, N. Y. Dress ensemble. 128,761; Aug. 5.
Cocozella, Albert J., Lynn, assignor, by mesne assignments, to H. M. Fisher, Brookline, Mass., and said Cocozella. Transparent box toe shoe. 128,619; Aug. 5.
Cohen, Peary, assignor to The Waterbury Button Company, Waterbury, Conn. Suit button. 128,620; Aug. 5.
Da Roza, Donald R. (See Lee, Bert, assignor.)
Darrow, Isobel, assignor to Pacific Clay Products, Los Angeles, Calif. Plate or similar article. 128,662; Aug. 5.
Darrow, Isobel, assignor to Pacific Clay Products, Los Angeles, Calif. Plate or similar article. 128,663; Aug. 5.
Darrow, Isobel, assignor to Pacific Clay Products, Los Angeles, Calif. Plate or similar article. 128,664; Aug. 5.
Darrow, Isobel, assignor to Pacific Clay Products, Los Angeles, Calif. Plate or similar article. 128,665; Aug. 5.
Davis, J. Windsor, trustee. (See Brady, David R., assignor.)
Day, Wilbur M., Norwood, assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 128,621; Aug. 5.
Debby Doll Dress Co. (See Borden, Rose M., assignor.)
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 128,622; Aug. 5.
Dorcas, George W., Denver, Colo. Roofing and linoleum knife. 128,623; Aug. 5.
Du Pree, Ernest L., Chappaqua, N. Y., assignor to Schenley Distillers Corporation, New York, N. Y. Bottle. 128,624; Aug. 5.
Ellenbogen, Margaret, New York, N. Y. Dress. 128,704; Aug. 5.
Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 128,740; Aug. 5.
Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 128,741; Aug. 5.
Erickson, Charles, and E. Spellman, New York, N. Y. Refrigerating unit, for freezing and dispensing frozen custard or the like. 128,674; Aug. 5.
Evans, Etta, New York, N. Y. Dress. 128,652; Aug. 5.
Faden, Sylvia, New York, N. Y. Dress ensemble. 128,753; Aug. 5.
Faden, Sylvia, New York, N. Y. Dress. 128,754; Aug. 5.
Feis, Alfred L., New York, N. Y. Dress. 128,742; Aug. 5.
Fischer, Howard L., St. Paul, Minn. Combined key chain and licence holder. 128,625; Aug. 5.
Fisher, Harold M. (See Cocozella, Albert J., assignor.)
Fritz, Theresa M., New York, N. Y. Dress. 128,705; Aug. 5.
Frushour, Russel E., assignor to South Bend Lathe Works, South Bend, Ind. Lathe bench. 128,653; Aug. 5.
Gleitsman, Harold, New York, N. Y. Hamper or similar article. 128,626; Aug. 5.

Golden, Zelma, Larchmont, N. Y. Dress. 128,706; Aug. 5.
Golden, Zelma, Larchmont, N. Y. Dress. 128,707; Aug. 5.
Golden, Zelma, Larchmont, N. Y. Dress. 128,708; Aug. 5.
Golden, Zelma, Larchmont, N. Y. Dress. 128,709; Aug. 5.
Goodstein, David M., New York, N. Y. Dress. 128,710; Aug. 5.
Goodstein, David M., New York, N. Y. Dress. 128,736; Aug. 5.
Goodstein, David M., New York, N. Y. Dress. 128,737; Aug. 5.
Goodstein, David M., New York, N. Y. Dress. 128,743; Aug. 5.
Goodstein, David M., New York, N. Y. Dress. 128,755; Aug. 5.
Goodstein, David M., New York, N. Y. Dress. 128,762; Aug. 5.
Greenberg, Morton, New York, N. Y. Jewelry finding. 128,675; Aug. 5.
Haas, William, New York, N. Y. Button or similar article. 128,676; Aug. 5.
Hallbauer, Otto, West Englewood, assignor to Stein-Tobler Co. Inc., Union City, N. J. Lace trimming or similar article. 128,602; Aug. 5.
Hazel-Atlas Glass Company. (See Shiplett, Arthur B., assignor.)
Holsten, Judith W., New York, N. Y. Dress. 128,711; Aug. 5.
Hoshafian, Lucy, New York, N. Y. Dress. 128,712; Aug. 5.
Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Sadiron or similar article. 128,666; Aug. 5.
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
Ireys, Meredith S., assignor to Armstrong Cork Company, Lancaster, Pa. Bottle or similar article. 128,627; Aug. 5.
Jacobs, Vera, New York, N. Y. Dress. 128,713; Aug. 5.
Jacobs, Vera, New York, N. Y. Suit. 128,714; Aug. 5.
Jacobs, Vera, New York, N. Y. Dress. 128,715; Aug. 5.
Jacobs, Vera, New York, N. Y. Dress. 128,744; Aug. 5.
Jacobs, Vera, New York, N. Y. Suit. 128,745; Aug. 5.
Jacobs, Vera, New York, N. Y. Dress. 128,763; Aug. 5.
Jacobs, Vera, New York, N. Y. Dress. 128,764; Aug. 5.
Jakobb, Christian A., Bayside, N. Y. Separable brooch pin. 128,628; Aug. 5.
Jamison, Bert A., Arlington, Calif. Automobile emblem plate or similar article. 128,686; Aug. 5.
Jobst, Conrad, assignor to The Owens Staple-Tied Brush Company, Toledo, Ohio. Brush frame. 128,654; Aug. 5.
Kalman, Louis, New York, N. Y. Textile fabric. 128,667; Aug. 5.
Kaufman, Stella B., New York, N. Y. Dress. 128,746; Aug. 5.
Kinsley, Felix P., St. Louis, Mo. Finger ring. 128,629; Aug. 5.
Kinsley, Felix P., St. Louis, Mo. Finger ring. 128,630; Aug. 5.
Knapp-Monarch Company. (See Huffman, Russell I., assignor.)
Krebs, Walter, Jamaica, assignor to Streamliner Manufacturing Company, New York, N. Y. Vacuum cleaner. 128,631; Aug. 5.
Kuznetz, Samuel, New York, N. Y. Dress ensemble. 128,747; Aug. 5.
Kylin, Oskar, Cleveland, Ohio. Overhead piloted vertical slide tool for lathes or the like. 128,655; Aug. 5.
Lee, Bert, assignor of one-half to D. R. da Roza, Sacramento, Calif. Pneumatic tire. 128,632; Aug. 5.
Lighter, Stephen, Milwaukee, Wis. Combined shirt and collar protector. 128,633; Aug. 5.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 128,668; Aug. 5.
Lynch, George C., Los Angeles, Calif. Combined mirror and support. 128,669; Aug. 5.
Mack Manufacturing Corporation. (See Maloy, Ernest D., assignor.)
Madan, Edward K., Maplewood, N. J. Combined cake cutter and server. 128,634; Aug. 5.
Majewski, Joseph M., Jr., assignor to F. L. Talge, Kansas City, Mo., doing business as Rival Manufacturing Company. Fruit juice extractor. 128,748; Aug. 5.
Maloy, Ernest D., Cedar Rapids, Iowa, assignor to Mack Manufacturing Corporation. Display sign. 128,603; Aug. 5.
Marks, Howard C., Alexandria, Nebr. Retainer plate for oil filters. 128,670; Aug. 5.
Mayehoff, Delmar, New York, N. Y. Dress. 128,716; Aug. 5.
Mayehoff, Delmar, New York, N. Y. Dress ensemble. 128,717; Aug. 5.
Mayehoff, Delmar, New York, N. Y. Dress. 128,718; Aug. 5.
Mayehoff, Delmar, New York, N. Y. Dress. 128,719; Aug. 5.
Mayehoff, Delmar, New York, N. Y. Dress. 128,720; Aug. 5.
Mayehoff, Delmar, New York, N. Y. Dress. 128,721; Aug. 5.
Mayehoff, Delmar, New York, N. Y. Dress. 128,722; Aug. 5.
Mayehoff, Delmar, New York, N. Y. Dress. 128,723; Aug. 5.
Mayehoff, Delmar, New York, N. Y. Dress. 128,724; Aug. 5.
McKim, Harry C. (See Wheeler J., McKim, and Riley.)
McLaughlin, Edward, South Bound Brook, N. J. Textile fabric. 128,749; Aug. 5.
Melby, Irene I., Alexandria, Va. Sign panel. 128,677; Aug. 5.
Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 128,635; Aug. 5.
Miller, Raymond J., Detroit, Mich. Smoking pipe. 128,636; Aug. 5.
Minasian, Seth, Cranston, R. I. Locket brooch. 128,637; Aug. 5.
Minkoff, Edward, New York, N. Y. Coat. 128,687; Aug. 5.
Muldoon, Bernard F., Mountain View, N. J., assignor to H. Hyman, Brooklyn, N. Y. Flashlight. 128,638; Aug. 5.
Nathan, Sam, Chicago, Ill. Glove. 128,678; Aug. 5.
Nietsche, Wilhelm H., Williamsburg, Mass. Miniature artificial Christmas tree. 128,639; Aug. 5.
Orme, Wilbur L., Cambridge, Ohio. Vase or similar article. 128,640; Aug. 5.
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Owens-Illinois Glass Company.. (See Walker, E. J., and Stover, assignors.)
Owens Staple-Tied Brush Company, The. (See Jobst, Conrad, assignor.)
Pacific Clay Products. (See Darrow, Isobel, assignor.)
Passaretti, Ralph, Jacksonville, Fla. Combined water closet seat and toilet bowl. 128,641; Aug. 5.
Perkins, Benjamin F., Holyoke, Mass. Envelope or similar article. 128,679; Aug. 5.
Pfanstiehl, Carl, Highland Park, Ill., assignor to Pfanstiehl Chemical Company. Phonograph needle box. 128,680; Aug. 5.
Pfanstiehl Chemical Company. (See Pfanstiehl, Carl, assignor.)
Platkin, Daniel, Los Angeles, Calif. Billfold or similar article. 128,671; Aug. 5.
Preis, Carl, assignor to American Can Company, New York, N. Y. Container. 128,642; Aug. 5.
Price, Blanche, Chicago, Ill. Dress. 128,765; Aug. 5.
Reinold, Luis L., Elizabeth, N. J. Tooth brush. 128,681; Aug. 5.
Reinstein, Harry, New York, N. Y. Brooch or similar article. 128,682; Aug. 5.
Reinstein, Harry, New York, N. Y. Bracelet or similar article. 128,688; Aug. 5.
Riley, Hollis T. (See Wheeler, J., McKim, and Riley.)
Rival Manufacturing Company. (See Majewski, Joseph M., Jr.)
Rosander, John E., Minneapolis, Minn. Beverage faucet. 128,643; Aug. 5.
Rose, Felicia L., New York, N. Y. Dress. 128,725; Aug. 5.
Rubin, Jack, New York, N. Y. Textile fabric. 128,689; Aug. 5.
Rubin, Jack, New York, N. Y. Textile fabric. 128,690; Aug. 5.
Ruchman, Samuel, New York, N. Y. Dress. 128,726; Aug. 5.
Ruchman, Samuel, New York, N. Y. Dress. 128,727; Aug. 5.
Ruchman, Samuel, New York, N. Y. Dress. 128,756; Aug. 5.
Rush, Clifton L., Louisville, Ky. Alphabet for forming monograms or the like. 128,644; Aug. 5.
Sadowsky, David R., New York, N. Y. Dress. 128,728; Aug. 5.
Sattler, John H., Los Angeles County, Calif. Combined guard panel, lamp and mounting for lamp and condiment set for ranges. 128,691; Aug. 5.
Saunders, Belle, New York, N. Y. Dress. 128,729; Aug. 5.
Schenley Distillers Corporation. (See Du Pree, Ernest L., assignor.)
Schwartz, Louis, New York, N. Y. Cape. 128,692; Aug. 5.
Shiplett, Arthur B., Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Bottle or similar article. 128,604; Aug. 5.
Sindler, Jay J., Boston, assignor to Spir-It, Inc., Malden, Mass. Spoon or similar article. 128,645; Aug. 5.
Smith, Milton L., Chicago, Ill. Cabinet for a vending machine. 128,605; Aug. 5.
Snyder, Edward, Chicago, Ill. Vaporizer. 128,672; Aug. 5.
South Bend Lathe Works. (See Frushour, Russel E., assignor.)
Spellman, Erick. (See Erickson, C., and Spellman.)
Spir-It, Inc. (See Sindler, Jay J., assignor.)
Springborn, Fred, Astoria, N. Y. Game board. 128,646; Aug. 5.
Staehle, Bruno, New York, N. Y. Dress. 128,730; Aug. 5.
Staehle, Bruno, New York, N. Y. Dress. 128,750; Aug. 5.
Stein-Tobler Co. Inc. (See Hallbauer, Otto, assignor.)
Steiner, Rudolph J., St. Paul, Minn. Shelf for laundry tubs. 128,656; Aug. 5.

Stewart, Gladys, Oakland, Calif. Hand carried traffic signal. 128,647; Aug. 5.
Stickell, Samuel F., Forest Hills, N. Y. Leash handle. 128,606; Aug. 5.
Stix, Frances T., New York, N. Y. Dress. 128,731; Aug. 5.
Stix, Frances T., New York, N. Y. Dress. 128,732; Aug. 5.
Stix, Frances T., New York, N. Y. Suit. 128,751; Aug. 5.
Stix, Frances T., New York, N. Y. Dress. 128,766; Aug. 5.
Stover, Roy B. (See Walker, E. J., and Stover.)
Streamliner Manufacturing Company. (See Krebs, Walter, assignor.)
Sutton, Joseph A., New York, N. Y. Lace. 128,693; Aug. 5.
Sweeney, Joseph L. (See Chipman, Richmond L., Jr., assignor.)
Talge, Foster L. (See Majewski, Joseph M., Jr., assignor.)
Tatem, Samuel J., Collingswood, N. J. Game board. 128,607; Aug. 5.
Tausend, Felix, & Sons. (See Tausend, Francis, assignor.)
Tausend, Francis, assignor to Felix Tausend & Sons, New York, N. Y. Tablecloth or similar article. 128,683; Aug. 5.
Thompson, Lincoln, Cheshire, Conn. Cabinet for disk dictating machines. 128,649; Aug. 5.
Titus, Thomas L., Cheyenne, Wyo., assignor to The Wyott Manufacturing Company. Liquid dispenser. 128,648; Aug. 5.
Uihlein, George V., Worcester, Mass. Carpet or similar article. 128,608; Aug. 5.
Van Camp, John H. (See Bakeman, Edwin A., assignor.)
Vander Werf, Anthony, Yonkers, N. Y. Picture frame. 128,651; Aug. 5.
Victor Metal Products Corporation. (See Derham, Philip A., assignor.)
Walker, Edward J., and R. B. Stover, assignors to Owens-Illinois Glass Company, Toledo, Ohio. Jar. 128,650; Aug. 5.
Walther, John L., New York, N. Y. Woven textile fabric. 128,738; Aug. 5.
Waterbury Button Company, The. (See Cohen, Peary, assignor.)
Waters, Margaret A., New York, N. Y. Beach ensemble suit. 128,757; Aug. 5.
Weinstein, Morris, New York, N. Y. Coat. 128,694; Aug. 5.
Wheeler, Jay, Sacramento, H. C. McKim, and H. T. Riley, Huntington Park, Calif. Animal shoe or the like. 128,657; Aug. 5.
Wyott Manufacturing Company, The. (See Titus, Thomas L., assignor.)
Zahn, Samuel, New York, N. Y. Dress. 128,733; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,734; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,735; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,752; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,758; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,759; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,760; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,767; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,768; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,769; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,770; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,771; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,772; Aug. 5.
Zahn, Samuel, New York, N. Y. Dress. 128,773; Aug. 5.
Zimmerman, Samuel, New York, N. Y. Coat. 128,695; Aug. 5.
Zimmerman, Samuel, New York, N. Y. Suit. 128,739; Aug. 5.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Charles W., Larchmont, N. Y. Nonmetallic sheathed conductor. 2,251,262; Aug. 5.
Abbratozzato, Rosario, Baltimore, Md. Shoe clamping press. 2,251,815; Aug. 5.
Abgarian, Aram. (See Simpson, H. W., and Abgarian.)
Adams, Floyd W., Metuchen, N. J., assignor to The Celotex Corporation, Chicago, Ill. Composite siding and roofing. 2,251,622; Aug. 5.
Agruss, Meyer S., Chicago, and W. H. Sowers, Flossmoor, assignors to The Pure Oil Company, Chicago, Ill. Solvent treatment of hydrocarbon oils. 2,251,773; Aug. 5.
Agruss, Meyer S., and G. W. Ayers, Jr., Chicago, and H. Schindler, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Lubricant additive. 2,251,774; Aug. 5.
Akaboshi, Sokichi, Higashinagasu, Amagasaki, Japan. Spinning apparatus. 2,251,879; Aug. 5.
Albrecht, Jacob W. (See Wall, J. M., and Albrecht.)
Alco-Gravure Division of Publication Corporation. (See Kott, Hermann, assignor.)
Alden, Herbert W., and L. R. Buckendale, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Axle-driven mechanism. 2,251,258; Aug. 5.
Alderfer, Sterling W., assignor of one-half to E. D. Andrews, Akron, Ohio. Rubber thread or tubing and making same. 2,251,650; Aug. 5.
Allen-Bradley Company. (See Freeburg, Walter S., assignor.)
Allis-Chalmers Manufacturing Company. (See Durand, Samuel R., assignor.)
Allis-Chalmers Manufacturing Company. (See Montgomery, T. B., and Stivender, assignors.)
Allis-Chalmers Manufacturing Company. (See Short, Floyd W., assignor.)
Allmänna Svenska Elektriska Aktiebolaget. (See Olsson, Bengt, assignor.)
Aluminum Company of America. (See Wareham, Roy M., assignor.)
American Cyanamid Company. (See Swain, Robert C., assignor.)
American Cyanamid Company (See West, B. L., and Eberhart, assignors.)
American Forging & Socket Company, The. (See Saunders, Walter S., assignor.)
American Industrial Research, Inc. (See Touceda, Enrique G., assignor.)
American Painters, Inc. (See Sapp, Baxter B., assignor.)
American Potash & Chemical Corporation. (See Black, Leroy G., assignor.)
American Potash & Chemical Corporation. (See Gale, W. A., and Pearson, assignors.)
American Reenforced Paper Company. (See Smith, Hugh C., assignor.)
American Thread Company, The. (See Baker, Dickerson G., assignor.)
Ames, Albert H., St. Paul, and T. S. Moulton, Withrow, Minn. Coupler. 2,251,651; Aug. 5.
Ames, Donald B. (See Fitzpatrick, J., and Ames.)
Anderson, Arthur W., assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,251,349; Aug. 5.
Andrews, Edward D. (See Alderfer, Sterling W., assignor.)
Andrus, Hamlin F. (See Gelbman, L., Olsen, and Mays, assignors.)
Anthony Company. (See Anthony, William C., assignor.)
Anthony, William C., assignor to Anthony Company, Streator, Ill. Tipping vehicle. 2,251,435; Aug. 5.
Arrighini, Artil, Detroit, Mich. Concrete form. 2,251,775; Aug. 5.
Artana, Renzo A., Turin, Italy. Card for punched-card accounting machines. 2,251,728; Aug. 5.
Arthur, James L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition distributor. 2,251,387; Aug. 5.
Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Submergible electric motor for deep well pumps. 2,251,816; Aug. 5.
Ash, Charles S., Milford, Mich. Dual wheel vehicle. 2,251,538; Aug. 5.
Ash, Charles S., Milford, Mich. Dual wheeled vehicle. 2,251,539; Aug. 5.
Ashby, Carl T., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,251,314; Aug. 5.
Ashdowns Limited. (See Snell, Alfred G., assignor.)
Askania-Werke, A. G. (See Bach, Gustav, assignor.)
Associated Electric Laboratories, Inc. (See Riebe, Theodore C., assignor.)

Associated Telephone & Telegraph Company. (See Steblik, Rudolph F., assignor.)
Astrowski, Charles J., and F. J. Fritz, Schenectady, N. Y., assignors to General Electric Company. Abrading machine. 2,251,607; Aug. 5.
Athy, Lawrence F., and H. R. Prescott, assignors to Continental Oil Company, Ponca City, Okla. Borehole logging. 2,251,817; Aug. 5.
Atwood Vacuum Machine Company, The. (See Miller, Kay, assignor.)
Atwood Vacuum Machine Company, The. (See Miller, K., and Thelander, assignors.)
Auger, Robert R., Hampton, N. H. Nailless curtain fixture. 2,251,864; Aug. 5.
Automatic Devices Corporation. (See Johnson, Arthur A., assignor.)
Automatic Drive & Transmission Company. (See Padgett, Joseph E., assignor.)
"Automatic" Sprinkler Company of America. (See Rider, Harry N., assignor.)
Automotive Products Company Limited. (See Parnell, F. G., and Choulings, assignors.)
Autoyre Company, The. (See Sanford, Roy S., assignor.)
Avery, George S., Jr., New London, Conn., assignor to The Dow Chemical Company, Midland, Mich. Grafting substance. 2,251,263; Aug. 5.
Axelrod, E. C. (See Keefer, Harry P., assignor.)
Ayers, George W., Jr. (See Agrus, M. S., Ayers, and Schindler.)
Babcock, Verner E., Port Clinton, Ohio. Color clock. 2,251,509; Aug. 5.
Babcock & Wilcox Company, The. (See Norton, Charles L., assignor.)
Bach, Gustav, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. Control device. 2,251,729; Aug. 5.
Baker, Dickerson G., Holyoke, Mass., assignor to The American Thread Company, New York, N. Y. Reciprocating mechanism. 2,251,838; Aug. 5.
Baker Manufacturing Co. (See Washbond, Harry H., assignor.)
Baker, William E. (See Judd, I. H., and Baker.)
Ballard, Randall C., Audubon, N. J., assignor to Radio Corporation of America. Method and means for winding coils. 2,251,776; Aug. 5.
Banschbach, Edward A., Madison, Wis. Automobile crossing barrier. 2,251,699; Aug. 5.
Barrett, William E., San Antonio, Tex. Hinge. 2,251,865; Aug. 5.
Bassick Company, The. (See Herold, Walter F., assignor.)
Bates, Mortimer F., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Engine synchronizer. 2,251,388; Aug. 5.
Bauer, Fritz, Dessau, and G. Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Sensitized photographic emulsion. 2,251,777; Aug. 5.
Beaman, Townsend F. (See Snell, Samuel A., assignor.)
Bear, Paul S., assignor, by mesne assignments, to Bucklen-Bear Laboratories, Inc., Elkhart, Ind. Switch. 2,251,315; Aug. 5.
Bear, Paul S., and G. E. Spates, assignors to Bucklen-Bear Laboratories, Inc., Elkhart, Ind. Switch. 2,251,316; Aug. 5.
Beardslee, Charles P., and J. K. Lybarger, Anaheim, Calif. Automatic lighting system. 2,251,700; Aug. 5.
Becker, Emil, Munich, Germany, and J. E. Becker, Stoney Creek, Ontario, Canada. Riveting tool. 2,251,389; Aug. 5.
Becker, John E. (See Becker, Emil and J. E.)
Beede, Herbert G., Pawtucket, R. I. Mounting bobbins on spindles to dampen the vibration thereof. 2,251,390; Aug. 5.
Bell & Howell Company, The. (See Zuber, John G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Buhrendorf, Frederick G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fisher, Harold J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Harris, James E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Vroom, Edward, assignor.)
Belluche, Elmer W. and F. R., Racine, Wis. Driving means for sheet feeders. 2,251,479; Aug. 5.
Belluche, Frank R. (See Belluche, Elmer W. and F. R.)

Belpedio, Vincent S., Bridgeport, Conn. Suction cleaner. 2,251,562; Aug. 5.
Bender, Hans P., New York, assignor of two-fifths to R. Pavlovic, Woodside, Long Island, N. Y. Closure for cosmetic jars and the like. 2,251,563; Aug. 5.
Bendix Aviation Corporation. (See Gilbert, Samuel, assignor.)
Benjamin, Sidney H., Milwaukee, Wis. Safety razor. 2,251,652; Aug. 5.
Bentley, George P., Wollaston, and C. S. Draper, Boston, Mass., assignors to Research Corporation, New York, N. Y. Vibration measuring and recording apparatus. 2,251,436; Aug. 5.
Berch, Samuel H., Beverly Hills, and G. Pieretti, Los Angeles, Calif. Coating material. 2,251,264; Aug. 5.
Berg, Henry A. Jr., Pittsburgh, Pa. Photoelectric tube. 2,251,653; Aug. 5.
Bergeron, Romeo J., New York, N. Y. Smoking pipe. 2,251,654; Aug. 5.
Berghaus, Bernhard, Berlin-Lankwitz, and W. Burkhardt, Berlin-Grunewald, Germany; said Burkhardt assignor to said Berghaus. Coating metallic articles. 2,251,510; Aug. 5.
Berghaus, Bernhard. (See Hagedorn, Gerhard, assignor.)
Berkowitz Envelope Company. (See Berkowitz, Eugene B., assignor.)
Berkowitz, Eugene B., assignor to Berkowitz Envelope Company, Kansas City, Mo. Quick opening envelope. 2,251,391; Aug. 5.
Bernhardt, Rudolph, Chicago, Ill. Dispenser closure top. 2,251,392; Aug. 5.
Bethlehem Steel Company. (See Brown, Walter T., assignor.)
Biddle, William C. (See Corbin, Elbert A., Jr., assignor.)
Birr, Rudolph G., Lombard, and A. C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing cabinet. 2,251,818; Aug. 5.
Bissell Carpet Sweeper Co. (See Scott, J. W., and Pullen, assignors.)
Bixby, Walter. (See Hathaway, E. F., and Bixby.)
Black, Lawrence F., Washington, D. C. Testing X-ray tubes. 2,251,265; Aug. 5.
Black, Leroy G., assignor to American Potash & Chemical Corporation, Trona, Calif. Method and apparatus for evaporation. 2,251,317; Aug. 5.
Blackstone Manufacturing Company. (See Conterman, Fred A., assignor.)
Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Composition of matter and preventing water-in-oil emulsions resulting from acidization of calcareous oil-bearing strata. 2,251,393; Aug. 5.
Blair, George W., J. F. Schott, and W. E. Faulk, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Cushioning facility for seats and the like. 2,251,318; Aug. 5.
Blake Manufacturing Corporation. (See Wood, Orville T., assignor.)
Boeing Aircraft Company. (See Price, Nathan C., assignor.)
Bonrath, Wilhelm, Leverkusen I. G. Werk, and H. Klös, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Mono-(organo mercury) acetylides. 2,251,778; Aug. 5.
Bordon Mfg. Co. (See Bourque, Philip, assignor.)
Borg-Warner Corporation. (See Anderson, Arthur W., assignor.)
Borg-Warner Corporation. (See Carlson, George G., assignor.)
Borg-Warner Corporation. (See Patrick, W. W., and Turpin, assignors.)
Borg-Warner Corporation. (See Rauen, Carl F., assignor.)
Bostic, Arthur E., Pipestone, Minn. Combine harvester construction. 2,251,655; Aug. 5.
Botelho, Antonio da C., Fresno, Calif. Safety attachment for trailer couplings. 2,251,656; Aug. 5.
Bouda, Bohumil, Davenport, Iowa. Feather treatment. 2,251,438; Aug. 5.
Bourque, Philip, assignor to Bordon Mfg. Co., Inc., Detroit, Mich. Electrode holder. 2,251,779; Aug. 5.
Bowyer, Abbie G., assignor of one-fourth to S. E. Fouts, Los Angeles, Calif. Hair curling and drying apparatus. 2,251,480; Aug. 5.
Bracke, Robert F., Chicago, Ill. Throttle valve control mechanism. 2,251,350; Aug. 5.
Braun, Abraham D. (See Reise, Charles W., assignor.)
Breeze Corporations. (See Minter, Clarke C., assignor.)
Brewer, Thomas, Kelso, Wash. Choker hook. 2,251,319; Aug. 5.
Briggs & Stratton Corporation. (See Kohls, E. E., and Thompson, assignors.)
Brisbane, Eugene C., assignor to S. Morgan Smith Company, York, Pa. Fluid control means. 2,251,320; Aug. 5.
Bronson Reel Company. (See Coxe, Joseph A., assignor.)
Brown, Benjamin, Garwood, N. J. Sink hanger. 2,251,657; Aug. 5.
Brown, Fred, Niagara Falls, Ontario, Canada, assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and manufacturing the same. 2,251,437; Aug. 5.

Brown Instrument Company, The. (See Ullman, Roy, assignor.)
Brown, Walter T., Hackensack, N. J., assignor to Bethlehem Steel Company. Storage pile and producing same. 2,251,321; Aug. 5.
Browning, Bryan W., Terre Haute, Ind. Measuring device for garments. 2,251,866; Aug. 5.
Buchanan, Leslie B. M., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,251,658; Aug. 5.
Buckendale, Lawrence R. (See Alden, H. W., and Buckendale.)
Bucklen-Bear Laboratories, Inc. (See Bear, Paul S., assignor.)
Bucklen-Bear Laboratories, Inc. (See Bear, P. S. and Spates, assignors.)
Bucyrus-Erie Company. (See Watson, George R., assignor.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Buhrendorf, Frederick G., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraphone. 2,251,322; Aug. 5.
Bullard, E. D., Company. (See Wisman, Lauren O., assignor.)
Bulldog Electric Products Company. (See Frank, W. H., and Harper, assignors.)
Bulldog Electric Products Company. (See Frank, W. H., and Messing, assignors.)
Burgess Battery Company. (See Chipley, Alfred S., assignor.)
Burgess Battery Company. (See Darbo, Howard H., assignor.)
Burgess Battery Company. (See Leadbetter, Ralph L., assignor.)
Burk, Robert E., and E. C. Hughes, assignors to The Standard Oil Company, Cleveland, Ohio. Preparation of salts of oxidized petroleum acids. 2,251,819; Aug. 5.
Burke, James P., Knoxville, Tenn. Ventilator. 2,251,511; Aug. 5.
Burke, Mark P., Long Beach, Calif. Fluid operated means. 2,251,323; Aug. 5.
Burkhardt, Arthur, Berlin-Lichterfelds, R. Knabe, Berlin-Zehlendorf, and K. Riederer, Munich, assignors to Georg Von Giesche's Erben, Breslau, Germany. Magnesium alloy. 2,251,266; Aug. 5.
Burkhardt, Wilhelm. (See Berghaus, B., and Burkhardt.)
Buschbeck, Werner, and W. Kummerer, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Coronaproof condenser plate. 2,251,540; Aug. 5.
Bush, William E., and L. W. Everhardt, Woodland, Calif. Curtain tieback bracket. 2,251,512; Aug. 5.
Bushman, Robert P., assignor to Modern Valve-Bag Company, Allentown, Pa. Valve bag filling spout means. 2,251,659; Aug. 5.
Busse, Warren F., Akron, and E. N. Cunningham, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Softened rubber. 2,251,394; Aug. 5.
Byers, A. M., Company. (See Story, E. B., and White, assignors.)
Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Rail bond. 2,251,820; Aug. 5.
Cairns Corporation. (See Cairns, Edmund B., assignor.)
Cairns, Edmund B., Naugatuck, Conn., assignor, by mesne assignments, to Cairns Corporation, New York, N. Y. Method and apparatus for rolling curved sheets. 2,251,901; Aug. 5.
Caldwell, Leo W., San Diego, Calif. Safety hand vise. 2,251,730; Aug. 5.
California Pacific Service, Inc., et al. (See Collins, Calhoun, assignor.)
Campbell, James F. (See Kurath, E., and Campbell.)
Campbell, Phillip D., Kansas City, Mo. Table top. 2,251,395; Aug. 5.
Cannard, William H., Green Bay, Wis. Corrugating machine. 2,251,513; Aug. 5.
Canning, George A., Davenport, Iowa, assignor to The Lakeside-Central Company, Chicago, Ill. Notebook. 2,251,780; Aug. 5.
Carborundum Company, The. (See Brown, Fred, assignor.)
Carlbom, Axel G. H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Variable leverage brake. 2,251,267; Aug. 5.
Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Machine for smoothing fasteners. 2,251,821; Aug. 5.
Carlson, George G., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Combined assembling press and welding machine. 2,251,324; Aug. 5.
Carlson, John T., assignor to The Master Electric Company, Dayton, Ohio. Stack damper regulator. 2,251,822; Aug. 5.
Carmichael, Asa B., Tujunga, Calif. Piston and cylinder construction. 2,251,259; Aug. 5.
Carpenter, Walter E. (See Hays, R. F., Gustin, and Carpenter.)
Carrillo, Aniceto, Mexico City, Mexico. Valve. 2,251,514; Aug. 5.

Cary, Beecher B., and C. Hollerith, assignors to Hayes Industries, Inc., Jackson, Mich. Muffler and silencer construction. 2,251,880; Aug. 5.
Casavant, Ernest, Brockton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lasting tool. 2,251,396; Aug. 5.
Case, Nelson P., Great Neck, N. Y., assignor to Hazeltine Corporation. Wave-signal receiver including duplex frequency-changer stages. 2,251,397; Aug. 5.
Celanese Corporation of America. (See Moncrieff, R. W., and Richmond, assignors.)
Celanese Corporation of America. (See Wylde, J. R., and Williams, assignors.)
Celotex Corporation, The. (See Adams, Floyd W., assignor.)
Century Ribbon Mills Inc. (See Huizenga, John D., assignor.)
Champion Paper and Fibre Company, The. (See Montgomery, William J., assignor.)
Champion Spark Plug Company. (See Jeffrey, Benjamin A., assignor.)
Chappell, Bert C., Kansas City, Mo. Insect trap. 2,251,260; Aug. 5.
Chempats Incorporated. (See Ruthruff, Robert F., assignor.)
Chicago Carton Company. (See Johnson, Edward W., assignor.)
Chipley, Alfred S., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Air-distributing apparatus for ventilating systems. 2,251,660; Aug. 5.
Chouings, Leslie C. (See Parnell, F. G., and Chouings.)
Christian, Manfred. (See Reissner, Hans, and Christian.)
Chrysler Corporation. (See Gonzalez, Rafael A., assignor.)
Chrysler Corporation. (See Jackson, Clifford C., assignor.)
Chrysler Corporation. (See Livar, Allen P., assignor.)
Chrysler Corporation. (See Loewy, Raymond, assignor.)
Chrysler Corporation. (See Neracher, C. A., and Dunn, assignors.)
Chrysler Corporation. (See Parker, Glenn H., assignor.)
Chrysler Corporation. (See Sailler, John W., assignor.)
Cincinnati Bickford Tool Company, The. (See Schauer, Lawrence L., assignor.)
Clark Equipment Company. (See Williams, A. O., and Dean, assignors.)
Clark, George D., Warren, Ohio, assignor to General Motors Corporation, Detroit, Mich. Motor mounting. 2,251,398; Aug. 5.
Clark, John A. (See Johnson, Frances M., assignor.)
Clark, William F., assignor of one-half to D. S. Weiss, Portland, Oreg. View reflecting device. 2,251,325; Aug. 5.
Clawson, Robert A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Article of manufacture. 2,251,268; Aug. 5.
Coey, Stewart C., Glen Ridge, N. J. Cooling tower. 2,251,261; Aug. 5.
Cole, Robert M. Bryn Athyn, Pa. Storage battery expander. 2,251,399; Aug. 5.
Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fastening strip material. 2,251,400; Aug. 5.
Colley, Russell S., Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making ice removing jackets. 2,251,661; Aug. 5.
Collins, Calhoun, assignor of forty percent to California Pacific Service, Inc., and twenty percent to T. M. Ryerson, Bakersfield, Calif. Plant can splitting device. 2,251,867; Aug. 5.
Colonnade Company, The. (See White, Roland W., assignor.)
Comens, Robert H., Brooklyn, N. Y. Advertising playing card. 2,251,781; Aug. 5.
Consolidated Paper Company. (See Lockwood, Albert H., assignor.)
Conterman, Fred A., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y. Laundry device. 2,251,564; Aug. 5.
Continental Oil Company. (See Athy, L. F., and Prescott, assignors.)
Cook, Ellsworth D., Scotia, N. Y., assignor to General Electric Company. Television projector. 2,251,608; Aug. 5.
Cooper, Benjamin, Jersey City, N. J. Treadle process. 2,251,351; Aug. 5.
Corbin, Elbert A., Jr., assignor of one-half to W. C. Biddle, Lansdowne, Pa. Flow control valve. 2,251,481; Aug. 5.
Corcoran, Louis L. (See White, William J., assignor.)
Corn Products Refining Company. (See Giesecke, Fred O., assignor.)
Cornelius, Victor W., Eastland, Tex. Combination display holder and napkin container. 2,251,439; Aug. 5.
Cornick, Frederick J., Pasadena, Calif. Gauge for determining rate of rainfall. 2,251,352; Aug. 5.
Corning Glass Works. (See Wellech, E. H., and Weber, assignors.)
Counter Cooler Company. (See Hill, Budd A., assignor.)
Coxe, Joseph A., Los Angeles, Calif., assignor to Bronson Reel Company, Bronson, Mich. Fishing reel. 2,251,782; Aug. 5.
Crofoot, Edward G., and F. J. Lutz, Park Ridge, Ill. Speedometer. 2,251,623; Aug. 5.
Cromie, Bertha, Chicago, Ill. Brush. 2,251,327; Aug. 5.
Crown Cork & Seal Company. (See Goebel, G., and Rau, assignors.)
Crucible Steel Company of America. (See Payson, Peter, assignor.)
Crumpler, Cyril A., St. James, Manitoba, Canada. Internal expansion engine. 2,251,662; Aug. 5.
Cullen, Arthur E., assignor to R. C. Can Company, St. Louis, Mo. Dispensing container. 2,251,823; Aug. 5.
Cullin, Jasper F., Detroit, Mich., assignor, by mesne assignments of two-thirds to L. Mervis, Chicago, Ill. Making commutators. 2,251,326; Aug. 5.
Cunningham, Edward N. (See Busse, W. F., and Cunningham.)
Cunningham, Hal M., New Britain, Conn. Furnace flue damper. 2,251,440; Aug. 5.
Curli, Daniel B., Jr., Marple, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of alkali metal silicate solutions. 2,251,515; Aug. 5.
Curtis, John C., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,251,269; Aug. 5.
Curtiss, George E., Jr., assignor to The Stanley Works, New Britain, Conn. Hinge. 2,251,482; Aug. 5.
Czapek, Emil, Berlin, Germany, assignor to Guaranty Trust Company of New York, New York, N. Y. Cellulosic sheet material and making the same. 2,251,270; Aug. 5.
Dalley, Charles J., Maplewood, N. J. Shears. 2,251,548; Aug. 5.
Daniels, Edwin G., Chicago, Ill., assignor to Guardite Corporation. Tobacco handling device. 2,251,731; Aug. 5.
Danielson, Ellsworth H., Des Moines, Iowa, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Zone air conditioning control system. 2,251,881; Aug. 5.
Darbo, Howard H., Berwyn, assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Ventilating construction. 2,251,663; Aug. 5.
Davis, Floyd, Norton Township, Muskegon County, Mich. Fuel pump for engines. 2,251,783; Aug. 5.
Davis, Francis W., Belmont, Mass. Liquid circulating system. 2,251,664; Aug. 5.
Davis, Harry A., Hopedale, Mass. Parallel motion picker stick mechanism for looms. 2,251,401; Aug. 5.
Dean, Milo M. (See Williams, A. O., and Dean.)
Decker, James W., New York, N. Y. Tape controlling means for news projecting machines. 2,251,272; Aug. 5.
Del Campo, Angelo R., Jr., United States Army, San Antonio, Tex. Gunrack. 2,251,271; Aug. 5.
Denison, Frederick S., and E. K. Scoggin, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic control for stokers. 2,251,483; Aug. 5.
Denny, Charles A. (See Wade, C. W., and Denny.)
Desjardins, Edgar C. (See Hannum, E. L., Seeley, and Desjardins.)
Detroit Harvester Company. (See Simpson, Howard W., assignor.)
Detroit Harvester Company. (See Simpson, H. W., and Abgarian, assignors.)
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
Detroit Lubricator Company. (See Knudson, Irving J., assignor.)
Dick, Burns, Ferguson, and F. H. Stroup, Kirkwood, assignors to Wagner Electric Corporation, St. Louis, Mo. Rotary compressor. 2,251,784; Aug. 5.
Diebold Safe & Lock Company. (See Paca, John P., assignor.)
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Valve. 2,251,441; Aug. 5.
Dimmick, Glenn L., Haddonfield, N. J., assignor to Radio Corporation of America. Sound on film recording. 2,251,665; Aug. 5.
Dixon, John C., assignor to Niles-Bement-Pond Company, Hartford, Conn. Drill support. 2,251,701; Aug. 5.
Döhle, Hinrich, Berlin-Haselhorst, assignor to Telephon-Apparat Fabrik E. Zwietusch and Company, Berlin, Germany. Impulse sender. 2,251,666; Aug. 5.
Dominion Engineering Works Limited. (See Malkin, Bernard A., assignor.)
Dondlinger, Eugene J., Chicago, Ill. Removable truck body. 2,251,839; Aug. 5.
Dons, Eddie M., and Oswald G. Mauro, assignors to Mid-Continental Petroleum Corporation, Tulsa, Okla. Molding adhesive materials. 2,251,785; Aug. 5.
Doran, Belle M., et al. (See Thomas, Thomas J., assignor.)
Doran, Kathleen L., et al. (See Thomas, Thomas J., assignor.)
Doran, Wayne C. (See McIntyre, J., and Doran.)
Dörner, Ernst, Chemnitz, Germany. Control device for carburetors on motor vehicles. 2,251,516; Aug. 5.
Dougherty, Synthia E., et al. (See Thomas, Thomas J., assignor.)
Dow Chemical Company, The. (See Avery, George S., Jr., assignor.)
Dow Chemical Company, The. (See Hanson, Alden W., assignor.)
Draper, Charles S. (See Bentley, G. P., and Draper.)

Drew, Ralph L., assignor to Plymouth Cordage Company, North Plymouth, Mass. Tie for boxes, bales, and the like. 2,251,402; Aug. 5.
Drew, Richard G., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive sheet and making the same. 2,251,273; Aug. 5.
Duff-Norton Manufacturing Company, The. (See Schwerin, Frank H., assignor.)
Duffy, Charles G. Jr., Darien, Conn. Ceiling tile. 2,251,840; Aug. 5.
Dunn, William T. (See Neracher, C. A., and Dunn.)
Dunning, Orville M., Glen Ridge, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Code practice set. 2,251,902; Aug. 5.
Du Pont, E. I. de Nemours & Company. (See Clawson, Robert A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graham, Donald P., assignor.)
Du Pont, E. I., de Nemours & Company. (See Joyce, R. M., and Ritter, assignors.)
Du Pont, E. I., de Nemours & Company. (See Mitchell, James A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Shipp, Joseph H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sorenson, Ben E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Watson, Frederick K., assignor.)
Du Pont, E. I., de Nemours & Company. (See Whelen, Myron S., assignor.)
Durand, Samuel R., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric valve control system. 2,251,484; Aug. 5.
Durite Plastics, Incorporated. (See Novotny, E. E., and Vogelsang, assignors.)
Earle, Lenora M., New Philadelphia, Ohio. Sanitary toilet seat cover. 2,251,732; Aug. 5.
Eastman Kodak Company. (See Keyes, Grafton H., assignor.)
Eberhart, Dale R. (See West, B. L., and Eberhart.)
Eckert, Felix H., San Antonio, Tex. Pumping apparatus. 2,251,868; Aug. 5.
Eckey, Eddy W. (See Richardson, A. S., and Eckey.)
Edison, Thomas A., Incorporated. (See Dunning, Orville M., assignor.)
Edison, Thomas A., Incorporated. (See La Forest, Louis Z., assignor.)
Edwards, Roy T., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treatment of concrete forms. 2,251,824; Aug. 5.
Ehinger, William E., Tiffin, Ohio, assignor to The Jeffrey Manufacturing Company. Self-propelling loader. 2,251,667; Aug. 5.
Ehret, Clement, White Plains, N. Y. Flexible sheet. 2,251,328; Aug. 5.
Eisemann Magneto Corporation. (See Purdy, Everett M., assignor.)
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,251,668; Aug. 5.
Ekstrom, Gustaf H., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Rubbing machine. 2,251,329; Aug. 5.
Electric Railway Improvement Company, The. (See Cadwell, Charles A., assignor.)
Ellis-Foster Company. (See Pöckel, Irving, assignor.)
Ellis-Foster Company. (See Rust, J. B., and Pöckel, assignors.)
Emmons, Arthur N., Nedrow, assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y. Portable disk abrading machine. 2,251,442; Aug. 5.
English, James, Winsted, Conn. Mounting for abrading wheels. 2,251,702; Aug. 5.
Epstein, David W., Merchantville, N. J., assignor to Radio Corporation of America. Television recording apparatus. 2,251,786; Aug. 5.
Epstein, Irving L., Esq. (See Pollock, Susan, assignor.)
Erben, Georg Von Giesche's. (See Burkhardt, A., Knabe, and Riederer, assignors.)
Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp., Inc., Wilmington, Del. Pump control. 2,251,274; Aug. 5.
Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp., Inc., Wilmington, Del. Pressure relief valve. 2,251,275; Aug. 5.
Everhardt, Leonard W. (See Bush, W. E., and Everhardt.)
Fageol, Frank R. and W. B., assignors to Twin Coach Company, Kent, Ohio. Passenger vehicle. 2,251,584; Aug. 5.
Fageol, William B. (See Fageol, Frank R. and W. B.)
Fairbank, Murry N., Boston, Mass., assignor to Pollaroid Corporation, Dover, Del. Variable density sunglass. 2,251,330; Aug. 5.
Falk Corporation, The. (See Reuter, Carl R., assignor.)
Faulk, Wendell E. (See Blair, G. W., Schott, and Faulk.)
Fawick General Company, The. (See Fawick, Thomas L., assignor.)
Fawick, Thomas L., assignor to The Fawick General Company, Inc., Akron, Ohio. Assembly for clutches, brakes, universal joints, and the like. 2,251,443; Aug. 5.
Fawick, Thomas L., assignor to The Fawick General Company, Inc., Akron, Ohio. Assembly for driving clutches and the like. 2,251,444; Aug. 5.
Fawick, Thomas L., assignor to The Fawick General Company, Inc., Akron, Ohio. Assembly for driving clutches, brakes, and the like and making the same. 2,251,445; Aug. 5.
Fawick, Thomas L. (See Reuter, C. R., and Fawick.)
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Lehfeldt, W., and Lueder, assignors.)
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Sobotta, K., and Lurk, assignors.)
Finck, Joseph L., Brooklyn, N. Y. Wall construction. 2,251,585; Aug. 5.
Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)
Fisher, Harold J., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuits for directionally controlling signal transmission in two-way signal transmission systems. 2,251,276; Aug. 5.
Fitzpatrick, Jeremiah, Weymouth, and D. B. Ames, Bridgewater, Mass.; said Ames assignor to said Fitzpatrick. Foot measuring device. 2,251,825; Aug. 5.
Flint, James A., Bexley, Ohio, assignor to The Traylor Vibrator Company. Vibratory feeder and screen. 2,251,586; Aug. 5.
Flores, Federico, Chicago, Ill. Badminton practice apparatus. 2,251,669; Aug. 5.
Fogg, Leigh E., East Providence, assignor to Kennecott Wire and Cable Company, Phillipsdale, R. I. Making metal-sheathed cables. 2,251,826; Aug. 5.
Force, Alfred P. and J. M., Campbellsburgh, Ky., assignors of one-third to G. O. Strother, Glen Ridge, N. J. Plant bed protector equipment. 2,251,624; Aug. 5.
Force, John M. (See Force, Alfred P., and J. M.)
Forman, George J., Unionville, Conn. Receptacle. 2,251,565; Aug. 5.
Forrest, Thomas W. W. (See Hines, W. K., and Forrest.)
Forst, Henry, and E. M. Norton, assignors to Forst Packing Company, Inc., Kingston, N. Y. Wrapping device. 2,251,670; Aug. 5.
Forst, Henry, and E. M. Norton, assignors to Forst Packing Company, Inc., Kingston, N. Y. Folding machine. 2,251,671; Aug. 5.
Forst Packing Company. (See Forst, H., and Norton, assignors.)
Fouts, Samuel E. (See Bowyer, Abbie G., assignor.)
Fox, Daniel M., Brooklyn, N. Y. Closure for bottle stoppers and pourers. 2,251,446; Aug. 5.
Frank, William H., and J. W. Harper, assignors to Bulldog Electric Products Company, Detroit, Mich. Electrical distribution system. 2,251,403; Aug. 5.
Frank, William H., and J. W. Harper, assignors to Bulldog Electric Products Company, Detroit, Mich. Electrical distribution System. 2,251,404; Aug. 5.
Frank, William H., and J. A. Messing, assignors to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,251,703; Aug. 5.
Freeburg, Walter S., assignor to Allen-Bradley Company, Milwaukee, Wis. Packaging means for small resistor units. 2,251,609; Aug. 5.
French, Robert R., New York, N. Y. Firestrap for motion picture projectors. 2,251,704; Aug. 5.
Friberg, Bengt F., St. Louis, Mo. Casting concrete pavements. 2,251,672; Aug. 5.
Fritz, Frank J. (See Astrowski, C. J., and Fritz.)
Frost, Leon M., Battle Creek, Mich. Clamping washer. 2,251,733; Aug. 5.
Fuel & Metal Research Corporation. (See Gillen, George A., assignor.)
Fuel Refining Corporation. (See Grasshoff, Eberhard, assignor.)
Fuld, Melvin, Baltimore, Md., and A. M. Leoni, Beachwood, N. J.; said Leoni assignor to said Fuld. Diffusion and drip apparatus. 2,251,734; Aug. 5.
Gagner, William F., Eugene, Oreg. Weed exterminating tool. 2,251,587; Aug. 5.
Gale, William A., and E. P. Pearson, assignors to American Potash & Chemical Corporation, Trona, Calif. Recovering bromine and iodine from alkaline brines. 2,251,353; Aug. 5.
Gamble, David L., and J. H. Haslam, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Pigment. 2,251,869; Aug. 5.
Gamble, David L., and J. H. Haslam, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Pigment. 2,251,870; Aug. 5.
Gamble, David L., and J. H. Haslam, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc oxide pigment. 2,251,871; Aug. 5.
Gamble, David L., and J. H. Haslam, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Zinc oxide pigment. 2,251,872; Aug. 5.
Gardiner, Clarence V., Birmingham, Mich., assignor to Wagner Electric Corporation, St. Louis, Mo. Electrically operated brake control mechanism. 2,251,787; Aug. 5.

Gelbman, Louis, Yonkers, N. Y., and E. F. Olsen and A. B. Mays, Adrian, Mich., assignors, by mesne assignments of eleven-twentieths to H. F. Andrus and nine-twentieths to L. Gelbman, Yonkers, N. Y. Concrete block machine. 2,251,447; Aug. 5.

General Aniline & Film Corporation. (See Bauer, F., and Wilmanns, assignors.)

General Aniline & Film Corporation. (See Miller, Alfred, assignor.)

General Aniline & Film Corporation. (See Reppe, Walter, assignor.)

General Aniline & Film Corporation. (See Reppe, W., Hecht, and Steinhofer, assignors.)

General Aniline & Film Corporation. (See Reppe, W., and Trieschmann, assignors.)

General Chemical Company. (See Knapp, William A., assignor.)

General Electric Company. (See Astrowski, C. J., and Fritz, assignors.)

General Electric Company. (See Cook, Ellsworth D., assignor.)

General Electric Company. (See Kelly, Larry D., assignor.)

General Electric Company. (See Leeds, Laurance M., assignor.)

General Electric Company. (See Mayer, Harry F., assignor.)

General Motors Corporation. (See Arthur, James L., assignor.)

General Motors Corporation. (See Clark, George D., assignor.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Koehring, R. P., and Shaw, assignors.)

General Motors Corporation. (See Kucher, Andrew A., assignor.)

General Motors Corporation. (See Patch, E. S., and Lignian, assignors.)

General Research, Inc. (See Kamborian, Jacob S., assignor.)

Gensicke, Henry F., et al. (See Pirnie, George B., assignor.)

Gettman, George C., Denver, Colo. Marking machine. 2,251,354; Aug. 5.

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,251,827; Aug. 5.

Gibbs, William J., Brooklyn, N. Y. Apparatus for storing and dispensing stacked articles. 2,251,873; Aug. 5.

Gibbs, William J., Brooklyn, N. Y. Storage and dispensing apparatus. 2,251,874; Aug. 5.

Gibbs, William J., Brooklyn, N. Y. Storage and dispensing apparatus. 2,251,875; Aug. 5.

Gibbs, William J., Brooklyn, N. Y. Apparatus for storing stacked articles. 2,251,876; Aug. 5.

Giesecke, Fred O., Kilmacolm, Scotland, assignor, by mesne assignments, to Corn Products Refining Company. Starch making process. 2,251,448; Aug. 5.

Gilbert & Barker Manufacturing Company. (See Grimmeisen, Herman O., assignor.)

Gilbert, Samuel, Verona, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,251,588; Aug. 5.

Gillen, George A., Bronx, assignor to Fuel & Metal Research Corporation, Brooklyn, N. Y. Induction motor. 2,251,673; Aug. 5.

Gillen, George A., Bronx, assignor to Fuel & Metal Research Corporation, Brooklyn, N. Y. Induction motor. 2,251,674; Aug. 5.

Gillette Safety Razor Company. (See Prescott, Robert S., assignor.)

Gisholt Machine Company. (See Senger, Werner I., assignor.)

Goble, William E., Fowler, Calif. Offset disk harrow. 2,251,788; Aug. 5.

Godshalk, Alva J. (See Sittler, C. C., and Godshalk.)

Goebel, George, and H. A. Rau, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for soldering containers. 2,251,517; Aug. 5.

Goleby, Hance R. A., Ashfield, near Sydney, New South Wales, Australia. Theft prevention apparatus. 2,251,735; Aug. 5.

Gonzalez, Rafael A., Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich. Artistic creation for interior decoration and human comfort. 2,251,705; Aug. 5.

Goodhart, Jacob A., Chicago, and V. C. Helberg, Evergreen Park, Ill. Retainer for bed coverings and the like. 2,251,331; Aug. 5.

Goodrich, B. F., Company, The. (See Busse, W. F., and Cunningham, assignors.)

Goodrich, B. F., Company, The. (See Colley, Russell S., assignor.)

Goodrich, B. F., Company, The. (See Mathes, Roger A., assignor.)

Goodrich, B. F., Company, The. (See Phillips, Aubrey W., assignor.)

Goodrich, B. F., Company, The. (See Taylor, Myron L., assignor.)

Gould, Harold P., Riverside, and H. D. Ralston, Oak Park, Ill., assignors to said H. D. Ralston. Wheeled vehicle and steering caster therefor. 2,251,567; Aug. 5.

Graf, Alois W. (See Ulrich, Raymond M., assignor.)

Graham, Donald P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuff of the anthraquinone series. 2,251,566; Aug. 5.

Grasshoff, Eberhard, Bochum, Germany, assignor, by mesne assignments, to Fuel Refining Corporation. Coke oven door locking means. 2,251,541; Aug. 5.

Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray device. 2,251,332; Aug. 5.

Green, Clarence J., assignor to Norton Company, Worcester, Mass. Cam grinding machine. 2,251,882; Aug. 5.

Greenfield Tap and Die Corporation. (See Judge, Franklin, assignor.)

Greenleaf, John W., Hamden, Conn., assignor to Rockbestos Products Corporation. Insulated electrical conductor. 2,251,355; Aug. 5.

Greensfelder, Edward, co-trustee. (See Rubinstein, Wilton, assignor.)

Grettie, Donald P., assignor to Industrial Patents Corporation, Chicago, Ill. Shortening stabilization. 2,251,485; Aug. 5.

Griffin, Alvah Merle. (See Griffin, Alvah M. and A. M.)

Griffin, Alvah M., and A. M., Los Angeles, Calif., assignors to P. Hawkins. Stick feeding machine. 2,251,333; Aug. 5.

Griffith Laboratories, Inc., The. (See Hall, Lloyd A., assignor.)

Griffith, Raymond C. (See Hodgman, F. S., and Griffith.)

Grimmeisen, Herman O., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Grease dispensing apparatus. 2,251,675; Aug. 5.

Groene, William F., and G. W. Luning, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Feedbox for lathes. 2,251,707; Aug. 5.

Groetchen, Richard. (See Peters, William G., assignor.)

Grunwald, Albert C. (See Birr, R. G., and Grunwald.)

Guaranty Trust Company of New York. (See Czapek, Emil, assignor.)

Guardite Corporation. (See Daniels, Edwin G., assignor.)

Gunther, Hermann, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread wiper for sewing machines. 2,251,676; Aug. 5.

Gustin, Daniel S., and R. F. Hays, Jr., Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gaseous relay tube. 2,251,568; Aug. 5.

Gustin, Daniel S. (See Hays, R. F., Gustin, and Carpenter.)

Hafekost, Frederick. (See Hanna, A. N., and Hafekost.)

Hagedorn, Gerhard, Berlin-Lichterfelde, assignor to Bernhard Berghaus, Berlin-Lankwitz, Germany. Electric resistance welding installation. 2,251,877; Aug. 5.

Hale, Jesse W., Newton Center, Mass. Change speed system. 2,251,625; Aug. 5.

Hall, Lloyd A., assignor to The Griffith Laboratories, Inc., Chicago, Ill. Protein composition of matter. 2,251,334; Aug. 5.

Hallerberg, Theodore W., Chicago, Ill., assignor to United Specialties Company, Detroit, Mich. Air cleaner. 2,251,789; Aug. 5.

Hallerberg, Theodore W., Chicago, Ill., assignor to United Specialties Company, Detroit, Mich. Air cleaner. 2,251,790; Aug. 5.

Halvorson, Annun, Butte, N. Dak. Gravel washer and silt grader. 2,251,449; Aug. 5.

Hammerstein, Arthur, Great Neck, N. Y. Twine containing and cutting device. 2,251,791; Aug. 5.

Hammond, John H., Jr., Gloucester, Mass. Scanning comparator. 2,251,828; Aug. 5.

Hanna, Atto N., Newark, and F. Hafekost, Hopatcong, N. J.; said Hafekost assignor to said Hanna. Loose-leaf binder. 2,251,878; Aug. 5.

Hanna, William T., Cincinnati, Ohio. Stoker. 2,251,450; Aug. 5.

Hannum, Edwin L., Westfield, Mass., L. E. Seeley, New Haven, Conn., and E. C. Desjardins, assignors to The H. B. Smith Company, Incorporated, Westfield, Mass. Boiler. 2,251,589; Aug. 5.

Hansen, William W., assignor to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. High efficiency resonant circuit. 2,251,569; Aug. 5.

Hanson, Alden W., assignor to The Dow Chemical Company, Midland, Mich. Coloring vinylidene chloride polymers. 2,251,486; Aug. 5.

Harbert, Carl J., Shaker Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Ceramic pigment. 2,251,829; Aug. 5.

Hargreaves, Willis B., Portland, Oreg. Photographic device. 2,251,335; Aug. 5.

Harless, Charles R., Beckley, W. Va. Obstruction remover for drain pipes. 2,251,590; Aug. 5.

Harper, Joseph W. (See Frank, W. H., and Harper.)

Harris, James E., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Constant coefficient mechanical element. 2,251,356; Aug. 5.

Harroun, William L., Ellisburg, N. Y. Flush valve. 2,251,357; Aug. 5.

Harshaw Chemical Company, The. (See Harbert, Carl J., assignor.)

Hart, George T., Jr., and E. E. Winkley, Lynn, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Control apparatus for electrostatic drying. 2,251,277; Aug. 5.

Hartmann, Carl W., Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland. Erecting cartons. 2,251,883; Aug. 5.

Hartmann, Carl W., Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland. Applying sealing strips, labels, or the like, to carton ends. 2,251,884; Aug. 5.

Haslam, James H. (See Gamble, D. L., and Haslam.)

Hathaway, Edgar F., Wellesley, and W. Bixby, assignors to Shawmut Engineering Company, Dorchester, Mass. Wear-testing fabric and other materials. 2,251,681; Aug. 5.

Hawkins, Paul. (See Griffin, Alvah M. and A. M., assignors.)

Hayes Industries, Inc. (See Cary, B. B., and Hollerith, assignors.)

Hays, Robert F., Jr. (See Gustin, D. S., and Hays.)

Hays, Robert F., Jr., and D. S. Gustin, Bloomfield, and W. B. Carpenter, West Caldwell, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gaseous electric relay tube. 2,251,278; Aug. 5.

Hazard, Charles S., Andover, N. J., assignor to Neptune Meter Company. Resetting mechanism for registers. 2,251,792; Aug. 5.

Hazard, Joseph J., Saratoga Springs, N. Y. Endless type motion picture projector. 2,251,793; Aug. 5.

Hazeltine Corporation. (See Case, Nelson P., assignor.)

Hecht, Otto. (See Reppe, W., Hecht, and Steinhofer.)

Hefele, Edward J., Amityville, N. Y. Direction finder antenna system. 2,251,708; Aug. 5.

Heinrich, Richard, Frankfort-on-the-Main, Germany, assignor to Western Precipitation Corporation, Los Angeles, Calif. Method and apparatus for electrical precipitation. 2,251,451; Aug. 5.

Helberg, Vernon C. (See Goodhart, J. A., and Helberg.)

Hemphill Company. (See St. Pierre, E., and McDowell, assignors.)

Henriksen, Alfred. (See Lincoln, B. H., and Henriksen.)

Henry, Josephine D., et al. (See Thomas, Thomas J., assignor.)

Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Swivel chair structure. 2,251,841; Aug. 5.

Herrmann, Paul J., Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Belt guide for cigarette machines. 2,251,518; Aug. 5.

Hertzberg, Harry, Brooklyn, assignor to Robert L. Lake, New York, N. Y. Brush cleaning rake. 2,251,626; Aug. 5.

Hessert, Raymond M., Audubon, N. J. Document photographing machine. 2,251,570; Aug. 5.

Higgins, Edmund J. (See Sproule, L. W., and Higgins.)

Hilker, Harrison F. (See Thurston, P. L., and Hilker.)

Hill, Budd A., assignor to Counter Cooler Company, Dallas, Tex. Counter cooler. 2,251,736; Aug. 5.

Hill, Fred C., Freeport, Maine. Corn sheller. 2,251,842; Aug. 5.

Hines, Walter K., and T. W. W. Forrest, assignors to Sun-Maid Raisin Growers of California, Fresno, Calif. Raisin stemmer. 2,251,542; Aug. 5.

Hirst, Frank H., assignor to C. G. Willett, Grand Rapids, Mich. Tilting road scraper. 2,251,452; Aug. 5.

Hoare, Robert C. (See Ogilvie, J., and Hoare.)

Hodgman, Frederick S., Glen Rock, N. J., and R. C. Griffith, Detroit, Mich., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Power transmission. 2,251,279; Aug. 5.

Holland, William T., Stockton, Calif. Dispensing box. 2,251,405; Aug. 5.

Hollerith, Charles. (See Cary, B. B., and Hollerith.)

Holmes, Gifford I., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Snap make-slow break switch. 2,251,830; Aug. 5.

Holmes, Ralph S., Haddonfield, N. J., assignor to Radio Corporation of America. Television system. 2,251,677; Aug. 5.

Holst, Paul F. G., Oaklyn, N. J., assignor to Radio Corporation of America. Preselection tuning system. 2,251,794; Aug. 5.

Holt, Arthur D., Columbus, Ohio, assignor to The Traylor-Vibrator Company. Vibratory conveyer and screen. 2,251,678; Aug. 5.

Holzknecht, Felix, Vancouver, British Columbia, Canada. Steam generator. 2,251,280; Aug. 5.

Hoover Company, The. (See Shank, Charles L., assignor.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Horrigan, Phillip J., New Philadelphia, Ohio, assignor to The Jeffrey Manufacturing Company. Cutter chain. 2,251,406; Aug. 5.

Hosmer, Chester C., Long Beach, and E. L. Launder, Montebello, Calif. Tooth point. 2,251,487; Aug. 5.

Hotchkiss, E. H., Company, The. (See Polzer, F., Wheeler, and Peterson, assignors.)

Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Catalytic treatment of hydrocarbons. 2,251,571; Aug. 5.

Howard, Harold E., Bridgman, assignor to National Gas Service, Incorporated, Benton Harbor, Mich. Gas generating method. 2,251,795; Aug. 5.

Howard, Harold E., assignor to National Gas Service, Incorporated, Benton Harbor, Mich. Gas generating apparatus. 2,251,796; Aug. 5.

Howard, Hubert E. (See Magill, Rowland R., assignor.)

Howie, Alexander, Shaker Heights, Ohio. Container. 2,251,281; Aug. 5.

Hubbard and Company. (See Owen, Langdon T., assignor.)

Hucke, Donald R., Oakland, Calif. Variable speed drive. 2,251,488; Aug. 5.

Huggins, Robert G. (See Wynn, G. E., and Huggins.)

Hughes, Everett C. (See Burk, R. E., and Hughes.)

Huizeng, John D., Ridgewood, N. J., assignor to Century Ribbon Mills Inc., New York, N. Y. Ribbon forming machine. 2,251,282; Aug. 5.

Hulsebos, Wichert, Laren, assignor to Naamlooze Vennootschap: Hulsemo, Utrecht, Netherlands. Wabbler engine. 2,251,543; Aug. 5.

Huntsinger, Fritz, Ventura, Calif. Method and apparatus for inspecting tubing. 2,251,739; Aug. 5.

Hutchinson, Buel E. (See O'Donnell, Thomas J., assignor.)

Hydraulic Press Corp., The. (See Ernst, Walter, assignor.)

I. G. Farbenindustrie Aktiengeselischaft. (See Meidert, F. v. Pongratz, and Schatz, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Orthner, L., Platz, Keller, and Sonke, assignors.)

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Grinding machine footstock. 2,251,885; Aug. 5.

Industrial Patents Corporation. (See Grettie, Donald P., assignor.)

Industrial Patents Corporation. (See Parsons, Clinton H., assignor.)

Industrial Rayon Corporation. (See Jannell, William, assignor.)

Ingersoll-Rand Company. (See White, Cecil, assignor.)

Interwoven Stocking Company. (See Thurston, P. L., and Hilker, assignors.)

Jackson, Clifford C., assignor to Chrysler Corporation, Highland Park, Mich. Suspension mechanism. 2,251,453; Aug. 5.

Jannell, William, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for the manufacture of thread. 2,251,886; Aug. 5.

Jeffrey, Benjamin A., Detroit, Mich., assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio. Preparing and molding material. 2,251,454; Aug. 5.

Jeffrey Manufacturing Company, The. (See Ehinger, William E., assignor.)

Jeffrey Manufacturing Company, The. (See Horrigan, Phillip J., assignor.)

Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)

Jiranek, Leo, Scarsdale, N. Y. Furniture. 2,251,544; Aug. 5.

Johns, Herman S., assignor to W. W. Lowrey, Oklahoma City, Okla. Vehicle parking device. 2,251,407; Aug. 5.

Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,251,611; Aug. 5.

Johnson, Arthur A. (See Steiber, Theodore E., assignor.)

Johnson, Edward W., assignor, by mesne assignments, to Chicago Carton Company, Chicago, Ill. Recloseable box. 2,251,283; Aug. 5.

Johnson, Edward W., assignor to Chicago Carton Company, Chicago, Ill. Carton. 2,251,627; Aug. 5.

Johnson, Frances M., Boston, assignor of one-half to J. A. Clark, Quincy, Mass. Shelf. 2,251,737; Aug. 5.

Johnson, Glenn W. (See Jones, William L., assignor.)

Johnson, Thomas M., Sharon Center, Ohio. Sorting device. 2,251,408; Aug. 5.

Jones, Ralph E., Grand Rapids, Mich. Shaving or hair clipping apparatus. 2,251,455; Aug. 5.

Jones, William L., assignor on fifty-one percent to G. W. Johnson, Centralia, Ill. Spring shackle. 2,251,843; Aug. 5.

Joyce, Robert M., Wilmington, and D. M. Ritter, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making polymeric materials. 2,251,519; Aug. 5.

Judd, Irving H., Norfolk, Va., and W. E. Baker, Detroit, assignors to Whitehead & Kales Company, River Rouge, Mich. Skid assembly. 2,251,358; Aug. 5.

Judge, Franklin, Greenfield, Mass., assignor to Greenfield Tap and Die Corporation. Die and die holder. 2,251,336; Aug. 5.

Junkers Flugzeg-und-Motorerwerke Aktiengeselischaft. (See Körting, Robert, assignor.)

Kamborian, Jacob S., West Newton, assignor to General Research, Inc., Boston, Mass. Lasting footwear. 2,251,284; Aug. 5.

Kamborian, Jacob S., West Newton, assignor to General Research, Inc., Boston, Mass. Lasting machine. 2,251,285; Aug. 5.

Kane, J. J. (See Smith, Bernard S., assignor.)

Kantner, Harold D., Meadville, Pa., assignor to The Pure Oil Company, Chicago, Ill. High pressure inner tube tester. 2,251,359; Aug. 5.

Katzinger, Edward, Company, The. (See Zimmer, Myron J., assignor.)
Kawamura, Shuji. (See Watanabe, E., and Kawamura.)
Keefer, Harry P., assignor of one-half to E. C. Axelrod, Alliance, Ohio. Butter knife. 2,251,844; Aug. 5.
Keilig, Fritz. (See Sabel, F., Laudenklos, Wenzel, and Keilig.)
Keller, Hans. (See Orthner, L., Platz, Keller, and Sönke.)
Kellerman, Jack L., assignor, by mesne assignments, to J. Zaretzki, New York, N. Y. Automatic feed typewriter. 2,251,456; Aug. 5.
Kellogg Company. (See Thompson, Joseph J., assignor.)
Kelly, Larry D., Scotia, N. Y., assignor to General Electric Company. Freezing tray. 2,251,628; Aug. 5.
Kelsey-Hayes Wheel Company. (See Pattison, James W., assignor.)
Kennecott Wire and Cable Company. (See Fogg, Leigh E., assignor.)
Kennedy, David O'D., et al. (See Tilley, Edwin F., assignor.)
Keyes, Grafton H., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing oxatricarbocyanine dyes. 2,251,286; Aug. 5.
Kinnear, Leland P., Beaumont, Tex. Core drill apparatus. 2,251,679; Aug. 5.
Klein, Charles H., Cleveland, Ohio, assignor to The National Telephone Supply Company. Connecting wires to sleeves. 2,251,709; Aug. 5.
Klein, Franklin S., Malverne, N. Y. Electric fuse. 2,251,409; Aug. 5.
Kline, Bernard L., Manhasset, assignor to The Western Union Telegraph Company, New York, N. Y. Recording signals electrically. 2,251,742; Aug. 5.
Klipsch, Paul W., assignor to E. E. Rosaire, Houston, Tex. Mixing circuit for electrical prospecting. 2,251,549; Aug. 5.
Klös, Heinrich. (See Bonrath, W. and Klös.)
Knabe Richard. (See Burkhardt, A., Knabe, and Riederer.)
Knapp, William A., assignor to General Chemical Company, New York, N. Y. Manufacture of ortho-phenoxybenzoic acid. 2,251,743; Aug. 5.
Knox, Garner L., Glendale, assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif. Dual axle suspension system. 2,251,360; Aug. 5.
Knudson, Irving J., Kenilworth, Ill., assignor to Detroit Lubricator Company, Detroit, Mich. Refrigerating apparatus. 2,251,831; Aug. 5.
Koehring, Roland P., and A. R. Shaw, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Composite metal structure and making same. 2,251,410; Aug. 5.
Kohls, Erich E., and G. S. Thompson, Fairy Chasm, assignors to Briggs & Stratton Corporation, Milwaukee, Wis. Tuning dial. 2,251,612; Aug. 5.
Konikoff, Harry, Far Rockaway, N. Y. Article display device. 2,251,740; Aug. 5.
Körting, Robert, Kockstedt, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Mechanism for producing curved metal articles. 2,251,741; Aug. 5.
Kott, Herman, East Orange, N. J., assignor to Alco-Gravure Division of Publication Corporation, New York, N. Y. Surface smoothing tester. 2,251,613; Aug. 5.
Koziel, Ignacy, Montreal, Quebec, Canada. Dispenser for elongated articles. 2,251,489; Aug. 5.
Krettingen, Emanuel. (See Moyer, G. O., and Krettingen.)
Kucher, Andrew A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,251,490; Aug. 5.
Kuhn, Robert B., Canton, Ohio, and M. S. Tyson, Springfield, Mass. Awning. 2,251,572; Aug. 5.
Kummerer, Wilhelm. (See Buschbeck, W., and Kummerer.)
Kurath, Ernst, and J. F. Campbell, Milwaukee, Wis. Spring clip. 2,251,744; Aug. 5.
La Forest, Louis Z., Morris Plains, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,251,680; Aug. 5.
Lagerman, Torsten, Goteborg, Sweden. Calculating machine. 2,251,520; Aug. 5.
Lake, Robert L. (See Hertzberg, Harry, assignor.)
Lakeside-Central Company, The. (See Canning, George A., assignor.)
Lankelma, Hermann P. (See Musselman, J. M., and Lankelma.)
Large, Archie O., Oklahoma City, Okla. Record book holder. 2,251,845; Aug. 5.
Larsh, Everett P., Vandalia, assignor to The Master Electric Company, Dayton, Ohio. Flexible fan unit. 2,251,887; Aug. 5.
Larson, John M. (See Robb, J. E., and Larson.)
Laudenklos, Hans. (See Sabel, F., Laudenklos, Wenzel, and Keilig.)
Launder, Ernie L. (See Hosmer, C. C., and Launder.)
Leadbetter, Ralph L., Wheaton, assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Ventilating construction. 2,251,682; Aug. 5.
Le Blonde, R. K., Machine Tool Company, The. (See Groene, W. F., and Luning, assignors.)
Lee, Royal, Milwaukee, Wis. Paint sprayer. 2,251,457; Aug. 5.
Leeds, Laurance M., Rotterdam Junction, N. Y., assignor to General Electric Company. Parasitic oscillation elimination. 2,251,629; Aug. 5.
Leflar, Jerome, assignor to The Master Electric Company, Dayton, Ohio. Fan blade unit. 2,251,888; Aug. 5.
Lehfeldt, Wilhelm, Berlin-Siemensstadt, and H. Lueder, Lochham, near Munich, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany. Manufacturing semiconducting resistors. 2,251,745; Aug. 5.
Leisy, Reuben W., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Zinc chromate. 2,251,846; Aug. 5.
Leland Stanford Junior University, Board of Trustees of the. (See Hansen, William W., assignor.)
Leland, Warren A., Jr., Towson, Md. Invalid bed. 2,251,797; Aug. 5.
Lencione, Michael, Sheboygan Falls, Wis. Package opener. 2,251,458; Aug. 5.
Leoni, Alfonso M. (See Fuld, M., and Leoni.)
Lescarbeau, Horace L., Montreal, Quebec, Canada. Absorption refrigeration system. 2,251,746; Aug. 5.
Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Conveyer. 2,251,832; Aug. 5.
Lewis, James A., assignor to Sneath Glass Company, Hartford City, Ind. Glass machine. 2,251,847; Aug. 5.
Libby, Carl F., Stoughton, Mass. Reed for looms. 2,251,337; Aug. 5.
Lieber, Eugene, Linden, N. J., assignor to Standard Oil Development Company. Producing wax modifying agents. 2,251,550; Aug. 5.
Lignian, Jean A. (See Patch, E. S., and Lignian.)
Lincoln, Bert H., and A. Henriksen, deceased, by J. W. Wolfe, Ponca City, Okla., administrator de bonis non, assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating oil. 2,251,738; Aug. 5.
Line Material Company. (See Steinmayer, Alwin G., assignor.)
Livar, Allen P., Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich. Gas burner. 2,251,710; Aug. 5.
Livar, Allen P., Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich. Round burner head. 2,251,711; Aug. 5.
Lockwood, Albert H., assignor to Consolidated Paper Company, Monroe, Mich. Container and container manufacture. 2,251,361; Aug. 5.
Loeffler, Bruno, West New York, and J. S. Pelan, North Plainfield, N. J., assignors to Mack Manufacturing Corporation, Long Island City, N. Y. Manifold heater and control circuits for the same. 2,251,630; Aug. 5.
Loewy, Raymond, New York, N. Y., assignor to Chrysler corporation, Detroit, Mich. Apparatus for decorating the interior and improving the atmosphere of enclosures. 2,251,706; Aug. 5.
Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Regulating apparatus for dynamoelectric machines. 2,251,683; Aug. 5.
Lomax, Frank B., Chicago, Ill. Egg filtration process. 2,251,684; Aug. 5.
Looney, Walton J. Jefferson, Ore. Carrier. 2,251,591; Aug. 5.
Losey, Clifford V., assignor to Vickers Incorporated, Detroit, Mich. Pusher-type solenoid. 2,251,747; Aug. 5.
Lott, William A., East Orange, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Substituted cinnamic acid esters and amides. 2,251,287; Aug. 5.
Lowe, Samuel H., Ponzer, N. C. Door catch extension. 2,251,592; Aug. 5.
Lowrey, Wiley W. (See Johns, Herman S., assignor.)
Lozen, Cecil A., Rochester, Mich. Automatic stud driver. 2,251,491; Aug. 5.
Lubri-Zol Development Corporation, The. (See Lincoln, B. H., and Henriksen, assignors.)
Ludwig, Louis. (See Weiss, L., and Ludwig.)
Ludwig, Sidney, assignor to The Ward Products Corporation, Cleveland, Ohio. Antenna mounting. 2,251,889; Aug. 5.
Lueder, Holger. (See Lehfeldt, W., and Lueder.)
Luning, George W. (See Groene, W. F., and Luning.)
Lurk, Hans J. (See Sobotta, K., and Lurk.)
Luttbeg, Bernard, Somerset, Ky. Hydraulic variable speed transmission. 2,251,848; Aug. 5.
Lutz, Franklin J. (See Crofoot, E. G., and Lutz.)
Lybarger, J Kenyon. (See Beardslee, C. P., and Lybarger.)
Mack Manufacturing Corporation. (See Loeffler, B., and Pelan, assignors.)
Mack Manufacturing Corporation. (See Schantz, G. H., and Schwenn.)
MacKnight, John D. (See Rising, C. A., and MacKnight.)
Magill, Rowland R., Webster Groves, Mo., assignor to H. E. Howard, Chicago, Ill. Composition for treating aqueous fluids. 2,251,748; Aug. 5.
Malkin, Bernard A., assignor to Dominion Engineering Works, Limited, Lachine, Quebec, Canada. Paper machine press. 2,251,492; Aug. 5.
Mandus, Herbert, Brooklyn, N. Y. Dental appliance. 2,251,749; Aug. 5.

Mangle, Claude V., Livermore, Iowa. Fish lure. 2,251,593; Aug. 5.
Manzeck, Robert H., San Diego, Calif. Knee guard. 2,251,362; Aug. 5.
Martin, Alfred M., Park Ridge, Ill. Loose-leaf binder. 2,251,614; Aug. 5.
Martin, Fred P. (See Thomas, Frank S., assignor.)
Master Electric Company, The. (See Carlson, John T., assignor.)
Master Electric Company, The. (See Larsh, Everett P., assignor.)
Master Electric Company, The. (See Leflar, Jerome, assignor.)
Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of mercaptothiazolines. 2,251,459; Aug. 5.
Mauro, Oswald G. (See Dons, E. M., and Mauro.)
Mawle, Arthur B., Miami, Fla. Tool sharpener. 2,251,849; Aug. 5.
Mayer, Harry F., Schenectady, N. Y., assignor to General Electric Company. Inductance device. 2,251,631; Aug. 5.
Mayne, William H., assignor to O. S. Petty, San Antonio, Tex. Volume control for electrical signals. 2,251,594; Aug. 5.
Mays, Arthur B. (See Gelbman, L., Olsen, and Mays.)
Mays, Orland C., Kermit, Tex. Shooting oil wells. 2,251,712; Aug. 5.
McCollum, Alvie D., San Fernando, Calif. Carrier scraper. 2,251,338; Aug. 5.
McDonald, John P. (See Schwartz, J. P., and McDonald, J. P., S. H., and T. J.)
McDonald, Stanley H. (See Schwartz, J. P., and McDonald, J. P., S. H., and T. J.)
McDonald, Thomas J. (See Schwartz, J. P., and McDonald, J. P., S. H., and T. J.)
McDowell, George. (See St. Pierre, E., and McDowell.)
McGrew, Maud, Pittsburgh, Pa. Venetian blind. 2,251,363; Aug. 5.
McIlhon, John E., Des Moines, Iowa. Signaling device. 2,251,364; Aug. 5.
McIntyre, Jack, and W. C. Doran, Westfield, Pa. Brake operating means. 2,251,521; Aug. 5.
Mechanovent Corporation of Indiana. (See Shrock, John H., assignor.)
Meidert, Friedrich, and E. v. Pongratz, Frankfort-on-the-Main, and H. Schatz, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Driers and preparing them. 2,251,798; Aug. 5.
Meiser, George H., Chicago, Ill. Tire pressure equalizer and inflater. 2,251,713; Aug. 5.
Mendez, Ciro F., Mexico City, Mexico. Method of and apparatus for producing stereoscopic pictures. 2,251,850; Aug. 5.
Mervis, Lou. (See Cullin, Jasper F., assignor.)
Messing, Joseph A. (See Frank, W. H., and Messing.)
Messman, Leon G., assignor of one-half to L. A. Rajal, Rensselaer, Ind. Hay derrick. 2,251,595; Aug. 5.
Metzgar, Willard F., Polk, Nebr. Water heater. 2,251,411; Aug. 5.
Meyers, George L., Norwalk, Conn., assignor to Meyers Manufacturing Co., New York, N. Y. Handbag. 2,251,412; Aug. 5.
Meyers Manufacturing Co. (See Meyers, George L., assignor.)
Mid-Continent Petroleum Corporation. (See Dons, E. M., and Mauro, assignors.)
Mid-Continent Petroleum Corporation. (See Wynn, G. E., and Huggins, assignors.)
Miehle, Arthur J., Bensenville, Ill. Automobile brake indicator. 2,251,615; Aug. 5.
Miller, Alfred, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Photographic sensitive material. 2,251,365; Aug. 5.
Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Involute curve testing machine. 2,251,339; Aug. 5.
Miller, Kay, and W. V. Thelander, assignors to The Atwood Vacuum Machine Company, Rockford, Ill. Clutch. 2,251,366; Aug. 5.
Miller, Kay, assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Clutch. 2,251,367; Aug. 5.
Miller, Raymond S., assignor to Vickers Incorporated, Detroit, Mich. Pusher-type electromagnet. 2,251,750; Aug. 5.
Miner, James H., Meridian, Miss. Ice tray. 2,251,460; Aug. 5.
Miner, James H., Meridian, Miss. Ice tray. 2,251,461; Aug. 5.
Minneapolis-Honeywell Regulator Company. (See Danielson, Ellsworth H., assignor.)
Minneapolis-Honeywell Regulator Company. (See Denison, F. S., and Scoggin, assignors.)
Minneapolis-Honeywell Regulator Company. (See Holmes, Gifford I., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Robb, J. E., and Larson, assignors.)
Minneapolis-Honeywell Regulator Company. (See Spangenberg, Charles B., assignor.)
Minnesota Mining & Manufacturing Company. (See Drew, Richard G., assignor.)
Minnesota Mining & Manufacturing Company. (See Wartha, Alfred J., assignor.)
Minter, Clarke C., East Orange, assignor to Breeze Corporations, Incorporated, Newark, N. J. Combustion guide for aircraft engines. 2,251,751; Aug. 5.
Mishawaka Rubber and Woolen Manufacturing Company. (See Blair, G. W., Schott, and Faulk, assignors.)
Mitchell, James A., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sized regenerated cellulosic pellicle. 2,251,752; Aug. 5.
Miyoshi Kagakukogyo Kabushiki Kaisha. (See Watanabe, E., and Kawamura, assignors.)
Mizer, George A., Hinsdale, Ill. Garment hanger. 2,251,894; Aug. 5.
Modern Valve-Bag Company. (See Bushman, Robert P., assignor.)
Moncrieff, Robert W., and A. Richmond, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of resistant materials. 2,251,288; Aug. 5.
Montgomery, Terryl B., Wauwatosa, and E. H. Stivender, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 2,251,493; Aug. 5.
Montgomery, William J., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Supercalendering process. 2,251,890; Aug. 5.
Moore, Fred W., Cincinnati, assignor to National Pumps Corporation, Dayton, Ohio. Extensible delivery device. 2,251,340; Aug. 5.
Moore, Robert C., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Electron-beam deflecting circuit. 2,251,851; Aug. 5.
Morgan, Rolland L., Merna, Nebr. Electric time switch. 2,251,852; Aug. 5.
Morton, George A., Audubon, N. J., assignor to Radio Corporation of America. Electronic tube. 2,251,573; Aug. 5.
Moore, George L., and J. R. Steele, Owego, N. Y. Rail anchor. 2,251,685; Aug. 5.
Morgan Construction Company. (See O'Malley, Joseph M., assignor.)
Moser, John, Brooklyn, N. Y. Stop mechanism for sewing machines. 2,251,368; Aug. 5.
Moss, Chester C., Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin. Silencer. 2,251,369; Aug. 5.
Motzer, George E., Vallejo, Calif. Heater for motor vehicles. 2,251,370; Aug. 5.
Moulton, Thomas S. (See Ames, A. H., and Moulton.)
Moyer, George O., and E. Krettingen, Los Angeles, Calif. Homogenizer. 2,251,371; Aug. 5.
Mueller, Ervin H., Grosse Pointe, Mich. Valve stem and handle. 2,251,462; Aug. 5.
Muller, J. C., N. V. (See Herrmann, Paul J., assignor.)
Munkebo, James A., Detroit, Mich. Boring bar. 2,251,413; Aug. 5.
Munzer, William, Brooklyn, N. Y. Tobacco pipe. 2,251,545; Aug. 5.
Musselman, John M., South Euclid, and H. P. Lengelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricating compound. 2,251,686; Aug. 5.
Myrberg, Sven O., Providence, R. I., assignor to Providence Stock Company. Safety lock end connection. 2,251,463; Aug. 5.
N. V. Orgachemia. (See Salomon, Arnold, assignor.)
Naamlooze Vennootschap: Hulsemo. (See Hulsebos, Wichert, assignor.)
Nash-Kelvinator Corporation. (See Sladky, Joseph F., assignor.)
National Aniline & Chemical Company (See Ogilvie, J., and Hoare, assignors.)
National Broach & Machine Company. (See Praeg, Walter S., assignor.)
National Gas Service, Incorporated. (See Howard, Harold E., assignor.)
National Pumps Corporation. (See Moore, Fred W., assignor.)
National Telephone Supply Company, The. (See Klein, Charles H., assignor.)
Nave, Alfred E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator shelf. 2,251,799; Aug. 5.
Neal, Enoch E., Malden, Mass. Valve. 2,251,414; Aug. 5.
Neal, Younger, assignor to The Pure Oil Company, Chicago, Ill. Recording device. 2,251,632; Aug. 5.
Neptune Meter Company. (See Hazard, Charles S., assignor.)
Neracher, Carl A., and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,251,464; Aug. 5.
Neuber, Herbert K., Philadelphia, Pa. Sound amplification method and device. 2,251,546; Aug. 5.
New Jersey Zinc Company, The. (See Gamble, D. L., and Haslam, assignors.)
New Jersey Zinc Company, The. (See Leisy, Reuben W., assignor.)

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Voltage change-over relay. 2,251,494; Aug. 5.

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,251,891; Aug. 5.

Newton, John C., Oak Park, Ill. Portable tool case. 2,251,753; Aug. 5.

Nicholson, Dan A., Glencoe, Ill., assignor, by mesne assignments, to said D. A. Nicholson, as trustee. Bath mat. 2,251,372; Aug. 5.

Niles-Bement-Pond Company. (See Dixon, John C., assignor.)

North American Electric Appliance Company. (See Van Daam, G., and Stranszky, assignors.)

Norton, Charles L., Boston, Mass., assignor to The Babcock & Wilcox Company, Newark, N. J. Brick manufacture. 2,251,687; Aug. 5.

Norton Company. (See Green, Clarence J., assignor.)

Norton Company. (See Indge, Herbert S., assignor.)

Norton, Edward M. (See Forst, H., and Norton.)

Novotny, Edward F., et al. (See Pirnie, George B., assignor.)

Novotny, Emil E., Oak Lane, and G. K. Vogelsang, Frankford, assignors to Durite Plastics, Incorporated, Philadelphia, Pa. Preparing derivatives of anacardic acid. 2,251,547; Aug. 5.

Nyberg, Theodore, Auburn, Me. Window glass set. 2,251,522; Aug. 5.

O'Donnell, Thomas J., assignor to R. E. Hutchinson, Chicago, Ill. Screen. 2,251,415; Aug. 5.

Ogilvie, James, and R. C. Hoare, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Sulphonation of alpha-amino-anthraquinone compounds. 2,251,688; Aug. 5.

Olsen, Eugene F. (See Beibman, L., Olsen, and Mays.)

Olsson, Bengt, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. High tension transformer. 2,251,373; Aug. 5.

O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Switch mechanism. 2,251,596; Aug. 5.

O'Neill, John D., Missoula, Mont. Tube paste dispenser. 2,251,574; Aug. 5.

Onions, John H., London, England. Roller bearing, particularly for aircraft shock absorbers. 2,251,714; Aug. 5.

O'Reilly, Myles B., Union, N. J. Nail polish protector. 2,251,551; Aug. 5.

Orthner, Ludwig, C. Platz, and H. Keller, Frankfort-on-the-Main, and H. Sönke, Bad Soden in Taunus, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Capillary active compounds and preparing them. 2,251,892; Aug. 5.

Owen, Langdon T., Redwood City, Calif, assignor to Hubbard and Company. Pole line hardware device. 2,251,495; Aug. 5.

Paca, John P., assignor to Diebold Safe & Lock Company, Canton, Ohio. Support for coin controlled machines. 2,251,597; Aug. 5.

Packard Motor Car Company. (See Tegethoff, August J., assignor.)

Padgett, Joseph E., Toledo, Ohio, assignor to Automatic Drive & Transmission Company, Gloucester City, N. J. Automatic clutch mechanism. 2,251,598; Aug. 5.

Painter, Walter S., Middlebury, assignor to The Waterbury Buckle Company, Waterbury, Conn. Garment clasp. 2,251,800; Aug. 5.

Pandiyan, Abraham J., Tanjore, Madras, India. Toothbrush. 2,251,853; Aug. 5.

Panish, Erwin J., Bridgeport, Conn. Valve control. 2,251,633; Aug. 5.

Paragon Electric Company. (See Swensen, Emil F., assignor.)

Parker, Arthur L., Cleveland, Ohio. Tube coupling. 2,251,715; Aug. 5.

Parker, Arthur L., Cleveland, Ohio. Coupling for tubes. 2,251,716; Aug. 5.

Parker, Arthur L., Cleveland, Ohio. Coupling for tubes. 2,251,717; Aug. 5.

Parker, Arthur L., Cleveland, Ohio. Coupling for tubes. 2,251,718; Aug. 5.

Parker, Glenn H., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Spring and making same. 2,251,416; Aug. 5.

Parker, Glenn H., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Making torsion springs. 2,251,417; Aug. 5.

Parnell, Frank G., and L. C. Choulings, assignors to Automotive Products Company Limited, London, England. Internal shoe drum brake. 2,251,854; Aug. 5.

Parsons, Clinton H., assignor to Industrial Patents Corporation, Chicago, Ill. Preparing cheese. 2,251,496; Aug. 5.

Patch, Earl S., and J. A. Lignian, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Lubricating system. 2,251,465; Aug. 5.

Patrick, Willbur W., and H. M. Turpin, New Castle, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Moldboard for plows and making same. 2,251,341; Aug. 5.

Patterson, Oscar C., Keokuk, Iowa. Power transmission mechanism. 2,251,523; Aug. 5.

Pattison, James W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Vehicle wheel. 2,251,754; Aug. 5.

Pavlik, Roy D., Kenilworth, Ill. Aircraft antenna. 2,251,418; Aug. 5.

Pavlovic, Rudolph. (See Bender, Hans P., assignor.)

Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Annealing steel. 2,251,289; Aug. 5.

Payson, Rudolph, Flushing, N. Y. Power transmission device. 2,251,466; Aug. 5.

Pearson, Edward P. (See Gale, W. A., and Pearson.)

Pelan, John S. (See Loeffler, B., and Pelan.)

Pelikan, John M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,251,689; Aug. 5.

Pelton, John C., Los Angeles, Calif., assignor to Viber Company. Building structure. 2,251,499; Aug. 5.

Perry, Robert E., Chicago, Ill. Script writer. 2,251,616; Aug. 5.

Peters, William G., Oak Park, assignor to Richard Groetchen, Chicago, Ill. Coin handling apparatus. 2,251,755; Aug. 5.

Peters, William G., Oak Park, assignor to Richard Groetchen, Chicago, Ill. Motion checking means. 2,251,756; Aug. 5.

Peterson, Arthur H. (See Peterson, Clarence J. and A. H.)

Peterson, Clarence J. and A. H., Meriden, Conn. Buffing wheel. 2,251,690; Aug. 5.

Peterson, Folke W., Rockford, Ill. Hoop trundling device. 2,251,599; Aug. 5.

Peterson, Roy E. (See Polzer, F., Wheeler, and Peterson.)

Petrolite Corporation. (See Blair, Charles M. Jr., assignor.)

Pettigrew, Garfield, Elwood, Ind. Dispensing device. 2,251,374; Aug. 5.

Petty, Olive S. (See Mayne, William H., assignor.)

Pfansterer, George R., Greenville, assignor to The Union Switch and Signal Company, Swissvale, Pa. Apparatus for railway train communication systems 2,251,575; Aug. 5.

Philadelphia Quartz Company. (See Curll, Daniel B., Jr., assignor.)

Philco Radio and Television Corporation. (See Moore, Robert C., assignor.)

Phillips, Aubrey W., Morristown, Pa., assignor to The B. F. Goodrich Company, New York, N. Y. Method of and apparatus for perforating. 2,251,634; Aug. 5.

Phillips, Robert A., Silver Spring, Md. Metallic weather strip. 2,251,524; Aug. 5.

Phoenix Hosiery Company. (See Ruedt, George W., assignor.)

Pieretti, George. (See Berch, S. H., and Pieretti.)

Pirnie, George B., Center Point, assignor of one-eighth to H. F. Gensicke, one-eighth to T. Pirnie, one-eighth to E. F. Novotny, one-sixteenth to C. A. Zisko, and one-sixteenth to O. Sramek, Cedar Rapids, Iowa. Controlling temperature, humidity, ventilation, and gas content in warehouses. 2,251,617; Aug. 5.

Pirnie, Thomas, et al. (See Pirnie, George B., assignor.)

Plastic Binding Corporation. (See Spinner, Isidore, assignor.)

Platz, Carl. (See Orthner, L., Platz, Keller, and Sönke.)

Plitt, Karl G., Sr., St. Louis, and K. G. Plitt, Jr., University City, Mo. Fresh meat product and preparation. 2,251,801; Aug. 5.

Plitt, Karl G., Jr. (See Plitt, Karl G., Sr., and Karl G., Jr.)

Plymouth Cordage Company. (See Drew, Ralph L., assignor.)

Pöckel, Irving, Montclair, N. J., assignor to Ellis-Foster Company. Making dipolymer varnish. 2,251,802; Aug. 5.

Pöckel, Irving. (See Rust, J. B., and Pöckel.)

Polaroid Corporation. (See Fairbank, Murry N., assignor.)

Pollock, Susan, assignor of thirty-five per cent to I. L. Epstein, Esq., Scranton, Pa. Baking appliance. 2,251,600; Aug. 5.

Polzer, Fridolin, L. L. Wheeler, and R. E. Peterson, assignors to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,251,833; Aug. 5.

Pope, Claude E., Oakland, Calif. Spout. 2,251,601; Aug. 5.

Porter-Cable Machine Company Inc., The. (See Emmons, Arthur N., assignor.)

Praeg, Walter S., assignor to National Broach & Machine Company, Detroit, Mich. Shaper broach. 2,251,834; Aug. 5.

Prescott, Harold R. (See Athy, L. F., and Prescott.)

Prescott, Robert S., Brookline, assignor to Gillette Safety Razor Company, Boston, Mass. Vibratory motor. 2,251,419; Aug. 5.

Price, Nathan C., assignor, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash. Boiler for aircraft heating systems. 2,251,420; Aug. 5.

Pringle, Edward T., Brooklyn, N. Y. Light bulb handling device. 2,251,855; Aug. 5.

Procter & Gamble Company, The. (See Richardson, Albert S., assignor.)

Procter & Gamble Company, The. (See Richardson, A. S., and Eckey, assignors.)

Procter & Gamble Company, The. (See Tucker, Nathaniel B., assignor.)

Providence Stock Company. (See Myrberg, Sven O., assignor.)

Pullen, Fred W. (See Scott, J. W., and Pullen.)

Pummill, Edwin W., Indianapolis, Ind. Tire tester. 2,251,803; Aug. 5.

Puodis, Peter, Philadelphia, Pa. Auxiliary safety pocket. 2,251,576; Aug. 5.

Purdy, Everett M., New Canaan, Conn., assignor to Eisemann Magneto Corporation, New York, N. Y. Fuel injection pump. 2,251,552; Aug. 5.

Pure Oil Company, The. (See Agruss, M. S., Ayers, and Schindler, assignors.)

Pure Oil Company, The. (See Agruss, M. S., and Sowers, assignors.)

Pure Oil Company, The. (See Kantner, Harold D., assignor.)

Pure Oil Company, The. (See Neal, Younger, assignor.)

Quickwork Company, The. (See Smith, Henry C., Jr., assignor.)

R. C. Can Company. (See Cullen, Arthur E., assignor.)

R. C. Can Company. (See Rutkowski, Walter L., assignor.)

Radich, Frank, Bluefield, W. Va. Power device. 2,251,856; Aug. 5.

Radio Corporation of America. (See Ballard, Randall C., assignor.)

Radio Corporation of America. (See Dimmick, Glenn L., assignor.)

Radio Corporation of America. (See Epstein, David W., assignor.)

Radio Corporation of America. (See Holmes, Ralph S., assignor.)

Radio Corporation of America. (See Holst, Paul F. G., assignor.)

Radio Corporation of America. (See Morton, George A., assignor.)

Radio Corporation of America. (See Sziklai, George C., assignor.)

Radio Corporation of America. (See Thorne, Earle D., assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radio Development and Research Corporation. (See Star, Joseph, assignor.)

Rajal, Leonard A. (See Messman, Leon G., assignor.)

Ralston, Hurley D. (See Gould, H. P., and Ralston.)

Rand, James H., Jr., Stamford, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Electric razor. 2,251,577; Aug. 5.

Rasmussen, Chester A., assignor to Rasmussen Service Company, Long Beach, Calif. Flow apparatus for oil wells. 2,251,421; Aug. 5.

Rasmussen Service Company. (See Rasmussen, Chester A., assignor.)

Rau, Harry A. (See Goebel, G., and Rau.)

Rauen, Carl F., Grosse Pointe, assignor to Borg-Warner Corporation, Chicago, Ill. Synchronizing free wheel transmission. 2,251,342; Aug. 5.

Reda Pump Company. (See Arutunoff, Armais, assignor.)

Redmond, Albert G., Flint, Mich. Blower. 2,251,553; Aug. 5.

Reed, Edward L. and F. P., Oklahoma City, Okla. Operating and locking sunshade. 2,251,375; Aug. 5.

Reed, Frances P. (See Reed, Edward L. and F. P.)

Reed, Warren B., New Orleans, La. Bottom hole hydropneumatic power unit. 2,251,290; Aug. 5.

Reichelt, Lester O., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,251,291; Aug. 5.

Reise, Charles W., assignor to A. D. Braun, Milwaukee, Wis. Bottle cleaning brush apparatus. 2,251,497; Aug. 5.

Reissner, Hans, Berlin-Charlottenburg, and M. Christian, Berlin-Dahlem, Germany. Regulatable propeller having adjustable blades. 2,251,602; Aug. 5.

Remington Rand Inc. (See Rand, James H., Jr., assignor.)

Reppe, Walter, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of tetrahydrofuranes. 2,251,292; Aug. 5.

Reppe, Walter, O. Hecht, and A. Steinhofer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of tetrahydrofuranes. 2,251,895; Aug. 5.

Reppe, Walter, Ludwigshafen-on-the-Rhine, and H.-G. Trieschmann, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of tetrahydrofurane from 1,4-butylene glycol. 2,251,835; Aug. 5.

Research Corporation. (See Bentley, G. P., and Draper, assignors.)

Reuter, Carl R., Milwaukee, Wis., and T. L. Fawick, Akron, Ohio; said Reuter assignor to The Falk Corporation, Milwaukee, Wis. Flexible coupling. 2,251,804; Aug. 5.

Richardson, Albert S., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Dry cleaning solvent. 2,251,691; Aug. 5.

Richardson, Albert S., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Preparation of monoglycerides. 2,251,692; Aug. 5.

Richardson, Albert S., and E. W. Eckey, Wyoming, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Preparation of monoglycerides. 2,251,693; Aug. 5.

Richmond, Alfred. (See Moncrieff, R. W., and Richmond.)

Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Dry pipe valve. 2,251,422; Aug. 5.

Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Air pump and alarm unit. 2,251,423; Aug. 5.

Riebe, Theodore C., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone signaling apparatus. 2,251,635; Aug. 5.

Riederer, Karl. (See Burkhardt, A., Knabe, and Riederer.)

Rietzke, August, assignor to August Rietzke, Inc., Gordons Corners, N. J. Roof truss. 2,251,578; Aug. 5.

Rietzke, August, Inc. (See Rietzke, August, assignor.)

Rising, Calvin A., and J. D. MacKnight, Mount Vernon, assignors to The Texas Company, New York, N. Y. Safety device. 2,251,896; Aug. 5.

Ritter, David M. (See Joyce, R. M., and Ritter.)

Rockbestos Products Corporation. (See Greenleaf, John W., assignor.)

Rogers, Alden, and H. K. Wheeler, Providence, R. I. Slow opening valve. 2,251,618; Aug. 5.

Ronning, Jacob A., Minneapolis, Minn. High grass lawn mower. 2,251,637; Aug. 5.

Robb, Joseph E., Overland Park, Kans., and J. M. Larson, Chicago, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system for gas-air plants. 2,251,636; Aug. 5.

Rosaire, E. E. (See Klipsch, Paul W., assignor.)

Rose, John A., Palatine, Ill. Amusement device. 2,251,757; Aug. 5.

Rose, William D., Portland, Oreg. Broom. 2,251,857; Aug. 5.

Rosenthal, Adolf H., Kensington, London, England. Secret television system. 2,251,525; Aug. 5.

Ross, Oscar A., New York, N. Y. Air conditioning system. 2,251,376; Aug. 5.

Röst-Grande, Alex, Leverkusen I. G. Werk, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Manufacture of embedding masses. 2,251,610; Aug. 5.

Rubinstein, Ann. (See Rubinstein, Wilton.)

Rubinstein, Blanche. (See Rubinstein, Wilton.)

Rubinstein, Louise. (See Rubinstein, Wilton.)

Rubinstein, Peggy. (See Rubinstein, Wilton.)

Rubinstein, Wilton, Clayton, Mo., assignor of one-half to W. Rubinstein, as trustee, and E. Greensfelder, as co-trustee for B., L., A., and P. Rubinstein. Collar. 2,251,758; Aug. 5.

Ruedt, George W., Wauwatosa, assignor to Phoenix Hosiery Company, Milwaukee, Wis. Producing flat knitted fabric with inlaid elastic yarn. 2,251,805; Aug. 5.

Rugg, Frank D., Greenfield, Mass. Scroll and case. 2,251,579; Aug. 5.

Rust Craft Publishers, Inc. (See Yohns, Paul, assignor.)

Rust, John B., West Orange, and I. Pöckel, Montclair, N. J., assignors to Ellis-Foster Company. Resinous reaction product and process therefor. 2,251,806; Aug. 5.

Ruthman, Edward J., Cincinnati, Ohio. Pump. 2,251,807; Aug. 5.

Ruthruff, Robert F., Chicago, Ill., assignor to Chempats Incorporated. Conversion of olefinic hydrocarbons. 2,251,580; Aug. 5.

Rutkowski, Walter L., Normandy, assignor to R. C. Can Company, St. Louis, Mo. Friction closure container. 2,251,808; Aug. 5.

Ryerson, Theodore M., et al. (See Collins, Calhoun, assignor.)

Sabel, Franz, H. Laudenklos, W. Wenzel, and F. Keilig, Leuna, Germany, assignors to Standard Catalytic Company. Conversion of carbon monoxide with hydrogen into hydrocarbons. 2,251,554; Aug. 5.

Sailler, John W., Pleasant Ridge, assignor to Chrysler Corporation, Highland Park, Mich. Tire chain. 2,251,424; Aug. 5.

St. Pierre, Eugene, Pawtucket, R. I., and G. McDowell, Philadelphia, Pa., assignors to Hemphill Company, Central Falls, R. I. Fabric and knitting. 2,251,811; Aug. 5.

Salomon, Arnold, assignor to the firm: N. V. Orgachemia, Oss, Netherlands. Quinine solution. 2,251,526; Aug. 5.

Salta Corporation. (See Smith, Wesley L., assignor.)

Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Shelf bracket. 2,251,638; Aug. 5.

Sapp, Baxter B., assignor to American Painters, Inc., Raleigh, N. C. Road marking apparatus. 2,251,719; Aug. 5.

Satona Limited. (See Hartmann, Carl W., assignor.)

Saunders, Walter S., assignor to The American Forging & Socket Company, Pontiac, Mich. Lifting jack. 2,251,759; Aug. 5.

Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient wheel. 2,251,809; Aug. 5.

Savage, Joseph P., Columbus, Nebr. Brass bearing for journals. 2,251,720; Aug. 5.

Schantz, Gordon M., and E. H. Schwenn, Allentown, Pa., assignors to Mack Manufacturing Corporation, Long Island City, N. Y. Wheel bearing seal. 2,251,760; Aug. 5.

Scharffenberg, Jean H., assignor to Stewart Bros. Inc. of Lynn, Lynn, Mass. Molding machine. 2,251,425; Aug. 5.

Schatz, Hermann. (See Miedert, F. v. Pongratz, and Schatz.)
Schauer, Lawrence L., Wyoming, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Spacing mechanism for machine tools. 2,251,761; Aug. 5.
Schermer, Nathan H., Detroit, Mich. Frictionless roller bearing. 2,251,555; Aug. 5.
Schiff, Benjamin A., Chicago, Ill. Dictating machine. 2,251,603; Aug. 5.
Schimmel, Joseph J., New York, N. Y. Galley identification holding device. 2,251,762; Aug. 5.
Schindler, Hans. (See Agruss, M. S., Ayers, and Schindler.)
Schmid, Julian W., Springfield, Mo. System for supplying feed water to boilers. 2,251,426; Aug. 5.
Schmidt, Adam, Vienna, Austria. Pneumatic machine gun adapter for practicing. 2,251,836; Aug. 5.
Schoene, Russell L., Evansville, Ind. Electrical timer. 2,251,763; Aug. 5.
Schott, John F. (See Blair, G. W., Schott, and Faulk.)
Schrock, John H., assignor to Mechanovent Corporation of Indiana, La Porte, Ind. Housing. 2,251,764; Aug. 5.
Schwartz, Joseph P., and J. P., S. H., and T. J. McDonald, St. Paul, Minn. Hydraulic car lift. 2,251,293; Aug. 5.
Schwenn, Eric H. (See Schantz, G. M., and Schwenn.)
Schwerin, Frank H., Bellevue, assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Lifting jack. 2,251,427; Aug. 5.
Schwien, Leo N., Los Angeles, Calif. Air speed indicator. 2,251,498; Aug. 5.
Schwinn, Frank W., Chicago, Ill. Bicycle stand. 2,251,639; Aug. 5.
Scoggin, Elmer K. (See Denison, F. S., and Scoggin.)
Scott, John W., and F. W. Pullen, assignors to Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweeper. 2,251,467; Aug. 5.
Seeley, Lauren E. (See Hannum, E. L., Seeley, and Desjardins.)
Sellers, William, & Company. (See Young, Harry R., assignor.)
Senger, Werner I., assignor to Gisholt Machine Company, Madison, Wis. Machine tool transmission and control mechanism. 2,251,619; Aug. 5.
Servel, Inc. (See Ashby, Carl T., assignor.)
Servel, Inc. (See Nave, Alfred E., assignor.)
Severn, Arthur B., Pittsburgh, Pa., deceased; H. R. Severn, administratrix. Thread protector. 2,251,897; Aug. 5.
Severn, Helen R., administratrix. (See Severn, Arthur B.)
Shank, Charles L., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,251,294; Aug. 5.
Shaw, Arthur R. (See Koehring, R. P., and Shaw.)
Shawmut Engineering Company. (See Hathaway, E. F., and Bixby, assignors.)
Sheesley, Horace A., assignor to Tufide Products Corporation, Portland, Maine. Method and apparatus for coating sheet materials. 2,251,295; Aug. 5.
Shell Development Company. (See van der Waerden, Hendrikus, assignor.)
Shepherd, Irving L., Elyria, Ohio. Fish net float. 2,251,721; Aug. 5.
Shipp, Joseph H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Paper product. 2,251,296; Aug. 5.
Short, Floyd W., Peoria, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Disk harrow. 2,251,500; Aug. 5.
Siegler, Richard A., Oak Park, Ill. Thermostatic heating plug. 2,251,556; Aug. 5.
Simpson, Howard W., Dearborn, assignor to Detroit Harvester Company, Detroit, Mich. Mower structure. 2,251,378; Aug. 5.
Simpson, Howard W., Dearborn, and A. Abgarian, assignors to Detroit Harvester Company, Detroit, Mich. Mowing machine. 2,251,377; Aug. 5.
Singer Manufacturing Company, The. (See Gunther, Hermann, assignor.)
Sittler, Carl C., Chicago, and A. J. Godshalk, Downers Grove, Ill. Unitary volt reducing drop cord. 2,251,898; Aug. 5.
Skrainka, Ralph N., University City, Mo. Level attachment for pencils. 2,251,640; Aug. 5.
Sladky, Joseph F., Racine, assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Internal combustion engine. 2,251,604; Aug. 5.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,251,899; Aug. 5.
Smith, Arthur E., Los Angeles, Calif. Syringe ampoule. 2,251,501; Aug. 5.
Smith, Arthur E., Los Angeles, Calif. Syringe and ampoule. 2,251,527; Aug. 5.
Smith, Bernard S., assignor of fifty per cent to J. J. Kane, Galveston, Tex. Well surveying. 2,251,900; Aug. 5.
Smith, H. B., Company, The. (See Hannum, E. L., Seeley, and Desjardins, assignors.)
Smith, Henry C., Jr., assignor to The Quickwork Company, Chicago, Ill. Forming and trimming machine. 2,251,810; Aug. 5.
Smith, Hugh C., Wayne, Ill., assignor to American Reenforced Paper Company, Attleboro, Mass. Temporary silo and construction. 2,251,502; Aug. 5.
Smith, S. Morgan, Company. (See Brisbane, Eugene C., assignor.)
Smith, Walter G. L., Los Angeles, Calif. Drill pipe protector. 2,251,428; Aug. 5.
Smith, Wesley L., Bedford, Va., assignor, by mesne assignments, to Salta Corporation, Jersey City, N. J. Rubber shoe sole. 2,251,468; Aug. 5.
Smith, William F., Brooklyn, N. Y. Bearing. 2,251,469; Aug. 5.
Sneath Glass Company. (See Lewis, James A., assignor.)
Snell, Alfred G., Sutton Coldfield, assignor to Ashdowns Limited, Liverpool, England. Mold for plastic material. 2,251,858; Aug. 5.
Snell, Samuel A., assignor to T. F. Beaman, Jackson, Mich., as trustee. Brake actuator. 2,251,893; Aug. 5.
Sobotta, Kurt, and H. J. Lurk, Berlin-Siemensstadt, assignors to Fides Gesellschaft für Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Telephone system. 2,251,301; Aug. 5.
Socony-Vacuum Oil Company. (See Edwards, Roy T., assignor.)
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Synthetic resin and making the same. 2,251,297; Aug. 5.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Synthetic resin and making the same. 2,251,298; Aug. 5.
Soefje, Cleburne G., Seguin, and W. B. Soefje, Belmont, Tex. Combined stalk cutter and rake. 2,251,581; Aug. 5.
Soefje, Walter B. (See Soefje, Cleburne G. and W. B.) Aug. 5.
Sönke, Heinz. (See Orthner, L., Platz, Keller, and Sönke.)
Sorenson, Ben E., Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of maleic acid and unsaturated alcohols. 2,251,765; Aug. 5.
Sowers, Wesley H. (See Agruss, M. S., and Sowers.)
Spangenberg, Charles B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,251,503; Aug. 5.
Spangler, Eugene A., Los Angeles, Calif. Portable hammock assembly. 2,251,299; Aug. 5.
Sparks-Withington, The. (See Winchell, Arthur B., assignor.)
Spates, Gerald E. (See Bear, P. S., and Spates.)
Sperry Gyroscope Company. (See Bates, Mortimer F., assignor.)
Sperry Gyroscope Company. (See Hodgman, F. S., and Griffith, assignors.)
Spinner, Isidore, assignor to Plastic Binding Corporation, Chicago, Ill. Binding arrangement. 2,251,343; Aug. 5.
Sproule, Lorne W., and E. J. Higgins, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Manufacture of brick or block greases. 2,251,528; Aug. 5.
Squibb, E. R., & Sons. (See Lott, William A., assignor.)
Sramek, Otto, et al. (See Pirnie, George B., assignor.)
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Rotary toolholder. 2,251,470; Aug. 5.
Standard Catalytic Company. (See Sabel, F., Laudenklos, Wenzel, and Kellig, assignors.)
Standard Oil Company, The. (See Burk, R. E., and Hughs, assignors.)
Standard Oil Company, The. (See Musselman, J. M., and Lankelma, assignors.)
Standard Oil Development Company. (See Howard, Frank A., assignor.)
Standard Oil Development Company. (See Lieber, Eugene, assignor.)
Standard Oil Development Company. (See Sproule, L. W., and Higgins, assignors.)
Standard Oil Development Company. (See White, Gifford E., assignor.)
Stanley Works, The. (See Curtiss, George E., Jr., assignor.)
Star, Joseph, assignor to Radio Development and Research Corporation, New York, N. Y. Telegraphone and like apparatus. 2,251,300; Aug. 5.
Stark, John L., Cedar Rapids, Iowa. Diving board. 2,251,766; Aug. 5.
Stecker, Alfred J., St. Petersburg, Fla., assignor of one-half to E. L. Stecker, Detroit, Mich. Electric razor. 2,251,620; Aug. 5.
Stecker, Edwin L. (See Stecker, Alfred J., assignor.)
Steele, James R. (See Moore, G. L., and Steele.)
Stehlik, Rudolph F., Antwerp, Belgium, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Power supply arrangement suitable for use in telephone systems. 2,251,302; Aug. 5.
Steiber, Theodore E., assignor of one-half to A. A. Johnson, Bridgeport, Conn. Traffic signal. 2,251,504; Aug. 5.

Stein, Frederick W., Atchison, Kans. Apparatus for testing materials. 2,251,641; Aug. 5.
Steiner, Alfred, Brooklyn, N. Y. Washing strip brush. 2,251,767; Aug. 5.
Steiner Sales Company. (See Birr, R. G., and Grunwald, assignors.)
Steinhofer, Adolf. (See Reppe, W., Hecht, and Steinhofer.)
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,251,471; Aug. 5.
Stephenson, Albert W., Indianapolis, Ind. Electromagnetic motor. 2,251,505; Aug. 5.
Sterling, Edward C., Westport, Conn. Comb frame lifting tongs. 2,251,529; Aug. 5.
Stewart Bros. Inc. of Lynn. (See Scharffenberg, Jean H., assignor.)
Stiefel, Harry H., Brooklyn, N. Y. Trousers rectifier. 2,251,837; Aug. 5.
Stivender, Edward H. (See Montgomery, T. B., and Stivender.)
Story, Edward B., Bethel Township, Allegheny County, and F. W. White, New Brighton, assignors to A. M. Byers Company, Pittsburgh, Pa. Treating molten metal. 2,251,303; Aug. 5.
Stranszky, Emil. (See Van Daam, G., and Stranszky.)
Strother, Gray O. (See Foree, Alfred P. and J. M., assignors.)
Stroup, Fred H. (See Dick, B., and Stroup.)
Sullivan Machinery Company. (See Curtis, John C., assignor.)
Summerbell, William, Watervliet, N. Y. Breech closure for guns. 2,251,304; Aug. 5.
Sun-Maid raisin Growers of California. (See Hines, W. K., and Forrest, assignors.)
Sundstrand Machine Tool Co. (See Ekstrom, Gustaf H., assignor.)
Svenska Aktiebolaget Bromsregulator. (See Carlbom, Axel G. H., assignor.)
Swain, Robert C., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Wetting and detergent composition. 2,251,768; Aug. 5.
Swensen, Emil F., Manitowoc, Wis., assignor to Paragon Electric Company, Chicago, Ill. Time switch. 2,251,429; Aug. 5.
Sylvester, Walter C., Greene, Maine. Foot-operated guitar player. 2,251,472; Aug. 5.
Sziklai, George C., Woodside, N. Y., assignor to Radio Corporation of America. Frequency modulated wave receiver. 2,251,382; Aug. 5.
Talon, Inc. (See Carlile, Alfred E., assignor.)
Tarbox, John P., Philadelphia, Pa. Target baseball. 2,251,305; Aug. 5.
Taylor, Myron L., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inflation system and apparatus for operating the same. 2,251,430; Aug. 5.
Tegethoff, August J., assignor to Packard Motor Car Company, Detroit, Mich. Striping instrument. 2,251,431; Aug. 5.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, W., and Kummerer, assignors.)
Telephon-Apparat Fabrik E. Zwietusch and Company. (See Döhle, Hinrich, assignor.)
Tesch, Ernest A., Chicago, Ill. Machine for generating heat by friction. 2,251,344; Aug. 5.
Texas Company, The. (See Rising, C. A., and MacKnight, assignors.)
Thelander, W. Vincent. (See Miller, K., and Thelander.)
Thomas, Bertha E., assignor to Thomas Flexible Coupling Company, Warren, Pa. Emergency support for flexible couplings. 2,251,722; Aug. 5.
Thomas Flexible Coupling Company. (See Thomas, Bertha E., assignor.)
Thomas, Frank S., assignor of one-half to F. P. Martin, Topeka, Kans. Steam generating system. 2,251,383; Aug. 5.
Thomas, Thomas J., assignor of one-sixth to C. E. Dougherty, Cleveland, one-ninth to B. M. Doran, one-ninth to B. M. Doran, Lakewood, as guardian of K. L. Doran, and one-ninth to J. D. Henry, Parma, Ohio. Mop. 2,251,384; Aug. 5.
Thompson, Glenn S. (See Kohls, E. E., and Thompson.)
Thompson, Joseph J., assignor to Kellogg Company, Battle Creek, Mich. Light sensitive circuit means. 2,251,306; Aug. 5.
Thorne, Earle Dayton, Patchogue, N. Y., assignor to Radio Corporation of America. Support for high frequency concentric conductors. 2,251,530; Aug. 5.
Thurston, Paul L., and H. F. Hilker, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 2,251,531; Aug. 5.
Thurston, Paul L., and H. F. Hilker, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J. Circular knitting machine. 2,251,532; Aug. 5.
Thurston, Paul L., and H. F. Hilker, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J. Knitting. 2,251,533; Aug. 5.
Tichy, Robert, Jr., Wilber, Nebr. Dirt lifting tractor auger. 2,251,506; Aug. 5.
Tilley, Edwin F., Dunellen, N. J., assignor to said Tilley, D. O'D. Kennedy, and J. Tyson, jointly. Manufacture of heat exchange tubing. 2,251,642; Aug. 5.
Timken-Detroit Axle Company, The. (See Alden, H. W., and Buckendale, assignors.)
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,251,643; Aug. 5.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,251,644; Aug. 5.
Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Spring nut fastener or the like. 2,251,723; Aug. 5.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Touceda, Enrique G., Loudonville, assignor to American Industrial Research, Inc., Albany, N. Y. Camera. 2,251,473; Aug. 5.
Traylor Vibrator Company, The. (See Flint, James A., assignor.)
Traylor Vibrator Company, The. (See Holt, Arthur D., assignor.)
Trieschmann, Hans-Georg. (See Reppe, W., and Trieschmann.)
Trimble, Roy L., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Step-by-step mechanism. 2,251,645; Aug. 5.
Triplett, Stanley F., Modesto, Calif. Safety seal for canned goods. 2,251,345; Aug. 5.
Tucker, Nathaniel B., Glendale, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Dry cleaning solvent. 2,251,694; Aug. 5.
Tucker, Nathaniel B., Glendale, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Preparation of fatty acid esters of aliphatic hydroxy compounds. 2,251,695; Aug. 5.
Tufide Products Corporation. (See Sheesley, Horace A., assignor.)
Turpin, Harry M. (See Patrick, W. W., and Turpin.)
Twin Coach Company. (See Fageol, Frank R., and W. B., assignors.)
Tyson, James, et al. (See Tilley, Edwin F., assignor.)
Tyson, Miller S. (See Kuhn, R. B., and Tyson.)
Ulrich, Raymond M., Shelbyville, assignor to A. W. Graf, Strasburg, Ill. Piston expander and installation. 2,251,696; Aug. 5.
Ullman, Roy, Roslyn, assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument. 2,251,535; Aug. 5.
Union Switch & Signal Company, The. (See Pelikan, John M., assignor.)
Union Switch and Signal Company, The. (See Pflasterer, George R., assignor.)
United Gas Improvement Company, The. (See Soday, Frank J., assignor.)
United Shoe Machinery Corporation. (See Casavant, Ernest, assignor.)
United Shoe Machinery Corporation. (See Hart, G. T., and Winkley, assignors.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United Specialties Company. (See Hallerberg, Theodore W., assignor.)
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. High frequency terminal. 2,251,534; Aug. 5.
Utility Trailer Manufacturing Company. (See Knox, Garner L., assignor.)
V. Pongratz, Emmerich. (See Meidert, F., v. Pongratz, and Schatz.)
Van Daam, Gerrit, Buffalo, N. Y., and E. Stranszky, Erie, Pa., assignors to North American Electric Appliance Company, Inc., Buffalo, N. Y. Heating pad and making same. 2,251,697; Aug. 5.
Van der Hof, Hermanus, Amsterdam, Netherlands. Vehicle brake mechanism. 2,251,379; Aug. 5.
Van der Waerden, Hendrikus, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Recovering selective solvents. 2,251,474; Aug. 5.
Van Hoorn, Albert W. W., Holly Oak, Del. Hull for boats. 2,251,621; Aug. 5.
Vásárhelyi, Paul, Zurich, Switzerland. Apparatus for the extraction of juices. 2,251,859; Aug. 5.
Veith, Ferdinand C., Upper Sandusky, Ohio. Stock watering device. 2,251,507; Aug. 5.
Viber Company. (See Pelton, John C., assignor.)
Vickers Incorporated. (See Losey, Clifford V., assignor.)
Vickers Incorporated. (See Miller, Raymond S., assignor.)
Vittum, Omer, Canton, Ill. Crankcase ventilator. 2,251,860; Aug. 5.
Vogel, Karl E., Ashland, Ky. Baseball game. 2,251,724; Aug. 5.
Vogelsang, George K. (See Novotny, E. E., and Vogelsang.)
Vroom, Edward, Ossining, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,251,346; Aug. 5.
Wade, Charles W., and C. A. Denny, Detroit, Mich. Mercury switch actuating means. 2,251,385; Aug. 5.

Wagner Electric Corporation. (See Dick, B., and Stroup, assignors.)
Wagner Electric Corporation. (See Gardiner, Clarence V., assignor.)
Wald, Samuel, New York, N. Y. Supporter in undergarments. 2,251,769; Aug. 5.
Walker Manufacturing Company of Wisconsin. (See Moss, Chester C., assignor.)
Walker, Ralph T., Nashville, Tenn. Automatic speed regulator. 2,251,475; Aug. 5.
Wall, John M., and J. W. Albrecht, Syracuse, N. Y. Cutting die. 2,251,432; Aug. 5.
Ward Leonard Electric Company. (See Logan, Frank G., assignor.)
Ward Products Corporation, The. (See Ludwig, Sidney, assignor.)
Wareham, Roy M., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Cap making apparatus. 2,251,433; Aug. 5.
Warner, Robert B., Denver, Colo. Lift for toilet seats. 2,251,770; Aug. 5.
Warren Company, The. (See Warren, Virgil P., assignor.)
Warren, Virgil P., Miami, Fla., assignor to The Warren Company, Incorporated, Atlanta, Ga. Air flow cooler. 2,251,725; Aug. 5.
Warrender, Ralph, Sharon, Pa. Furnace unit. 2,251,380; Aug. 5.
Wartha, Alfred J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sandblast stencil. 2,251,646; Aug. 5.
Wartha, Alfred J., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sandblasting stencil. 2,251,647; Aug. 5.
Washbond, Harry H., assignor to Baker Manufacturing Co., Springfield, Ill. Scraper. 2,251,307; Aug. 5.
Washington, Joseph A., Chicago, Ill. Jack. 2,251,308; Aug. 5.
Watanabe, Eitaro, Chiba Ken, and S. Kawamura, assignors to Miyoshi Kagakukogyo Kabushiki Kaisha, Tokyo, Japan. Manufacturing detergent, wetting-out, and emulsifying agents. 2,251,536; Aug. 5.
Waterbury Buckle Company, The. (See Painter, Walter S., assignor.)
Watling, Burns S., Hinsdale, Ill. Lawn and garden sprinkler. 2,251,812; Aug. 5.
Watson, Frederick K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of polyamides. 2,251,508; Aug. 5.
Watson, George R., Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Multiuse winch tool for well drills. 2,251,309; Aug. 5.
Wayman, Sydney C., Darthill, March, England. Pressure operated electric switch. 2,251,648; Aug. 5.
Weber, Walter C. (See Wellech, E. H., and Weber.)
Weiss, Dewey S. (See Clark, William F., assignor.)
Weiss, Leo, and L. Ludwig, Brooklyn, N. Y. Machine for manufacturing electric fuse plugs. 2,251,434; Aug. 5.
Wellech, Edmund H., Corning, and W. C. Weber, Painted Post, assignors to Corning Glass Works, Corning, N. Y. Manufacture of foliated glass. 2,251,726; Aug. 5.
Wellech, Edmund H., Corning, and W. C. Weber, Painted Post, assignors to Corning Glass Works, Corning, N. Y. Apparatus for the manufacture of foliated glass. 2,251,727; Aug. 5.
Wenzel, Wilhelm. (See Sabel, F., Laudenklos, Wenzel, and Keilig.)
West, Byron L., Plainfield, and D. R. Eberhart, Middlesex, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Azo dye. 2,251,813; Aug. 5.
Western Electric Company, Incorporated. (See Reichelt, Lester O., assignor.)
Western Precipitation Corporation. (See Heinrich, Richard, assignor.)
Western Union Telegraph Company, The. (See Kline, Bernard L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Buchanan, Leslie B. M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gustin, D. S., and Hays, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hays, R. F., Gustin and Carpenter, assignors.)
Weston, Leonard A., Westfield, Mass. Soldering tool. 2,251,557; Aug. 5.
Wheeler, Holman K. (See Rogers, A., and Wheeler.)
Wheeler, Lester L. (See Polzer, F., Wheeler, and Peterson.)
Whelen, Myron S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dyestuffs of the dibenzanthrone series and process of making them. 2,251,558; Aug. 5.
Whelen, Myron S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Intermediates of the dibenzanthrone series and making them. 2,251,559; Aug. 5.
White, Cecil, Sayre, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device. 2,251,560; Aug. 5.
White, Frederick W. (See Story, E. B., and White.)
White, Gifford E., Fredericksburg, Tex., assignor to Standard Oil Development Company. Electrical transient prospecting. 2,251,537; Aug. 5.
White, Roland W., Cleveland Heights, assignor to The Colonnade Company, Cleveland, Ohio. Oven construction. 2,251,582; Aug. 5.
White, Stamford, Greenwich, Conn. Sign. 2,251,386; Aug. 5.
White, William J., Ocheyedan Township, Osceola County, assignor of one-fourth to L. L. Corcoran, Sibley, Iowa. Manure loader. 2,251,583; Aug. 5.
Whitehead & Kales Company. (See Judd, I. H., and Baker, assignors.)
Wichmann, John C., New York, N. Y. Air conditioning dehumidifier. 2,251,649; Aug. 5.
Willer, Edward A., Washington, D. C. Illuminable display structure. 2,251,861; Aug. 5.
Willett, Charles G. (See Hirst, Frank H., assignor.)
Williams, Alfred O., and M. M. Dean, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Rail car. 2,251,347; Aug. 5.
Williams, John T. A., New Orleans, La. Two-part wheel for vehicles. 2,251,310; Aug. 5.
Williams Oil-O-Matic Heating Corporation. (See Trimble, Roy L., assignor.)
Williams, William. (See Wylde, J. R., and Williams.)
Williamson, Marshall I., New York, N. Y. Collapsible structure. 2,251,605; Aug. 5.
Wilmanns, Gustav. (See Bauer, F., and Wilmanns.)
Willson, Corwin D., Flint, Mich. Road vehicle construction. 2,251,698; Aug. 5.
Wilson, John H., Wichita Falls, Tex. Friction clutch. 2,251,862; Aug. 5.
Winchell, Arthur B., assignor to The Sparks-Withington Company, Jackson, Mich. Tuning unit for radio receivers. 2,251,476; Aug. 5.
Winkley, Erastus E. (See Hart, G. T., and Winkley.)
Winthrop Chemical Company. (See Bonrath, W., and Klös, assignors.)
Winthrop Chemical Company. (See Röst-Grande, Alex, assignor.)
Wisman, Lauren O., Walnut Creek, assignor to E. D. Bullard Company, San Francisco, Calif. Making hats. 2,251,477; Aug. 5.
Wobbe, William M., Springfield, Ohio. Lifting truck. 2,251,606; Aug. 5.
Wolfe, John W., administrator. (See Lincoln, B. H., and Henriksen.)
Wood, Orville T., assignor to Blake Manufacturing Corporation, Clinton, Mass. Circuit closer for flashlights. 2,251,561; Aug. 5.
Wright, Theodore M., North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Automatic phonograph. 2,251,381; Aug. 5.
Wurlitzer, Rudolph, Company, The. (See Wright, Theodore M., assignor.)
Wyatt, Anne L., Los Angeles, Calif. Device to form pin curls. 2,251,478; Aug. 5.
Wylde, Joseph R., and W. Williams, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile machinery. 2,251,311; Aug. 5.
Wynn, Glenn E., and R. G. Huggins, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Method of and apparatus for selecting fractions from fractionating condensers. 2,251,771; Aug. 5.
Yoder, Carl M., Lakewood, Ohio. Trimming and/or cutting mechanism. 2,251,312; Aug. 5.
Yoder, Carl M., Lakewood, Ohio. Machine for trimming or slitting sheet materials. 2,251,313; Aug. 5.
Yohns, Paul, assignor to Rust Craft Publishers, Inc., Boston, Mass. Knockdown display rack. 2,251,814; Aug. 5.
Young, Harry R., Lower Merion, assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Machine tool drive. 2,251,863; Aug. 5.
Zaretzki, Joseph. (See Kellerman, Jack L., assignor.)
Zimmer, Myron J., assignor to The Edward Katzinger Company, Chicago, Ill. Can opener. 2,251,348; Aug. 5.
Zisko, Charles A., et al. (See Pirnie, George B., assignor.)
Zuber, John G., assignor to The Bell & Howell Company, Chicago, Ill. Reel drive. 2,251,772; Aug. 5.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Lighter, Cigar. H. G. Lehmann, Re. 21,870; Aug. 5.

Support, Shelf. K. C. Welch. Re. 21,871; Aug. 5.

LIST OF PLANT INVENTIONS

Rose plant. P. H. Roland. 480; Aug. 5.

LIST OF DESIGN INVENTIONS

Alphabet for forming monograms or the like. C. L. Rush. 128,644; Aug. 5.
Bench, Lathe. R. E. Frushour. 128,653; Aug. 5.
Billfold or similar article. D. Platkin. 128,671; Aug. 5.
Bit, Screw driver. E. A. Bakeman. 128,609; Aug. 5.
Bottle. E. L. Du Pree. 128,624; Aug. 5.
Bottle. A. I. Lorenzen. 128,668; Aug. 5.
Bottle or similar article. M. S. Ireys. 128,627; Aug. 5.
Bottle or similar article. A. B. Shiplett. 128,604; Aug. 5.
Box, Phonograph needle. C. Pfanstiehl. 128,680; Aug. 5.
Bracelet or similar article. H. Reinstein. 128,688; Aug. 5.
Brooch, Locket. S. Minasian. 128,637; Aug. 5.
Brooch or similar article. H. Reinstein. 128,682; Aug. 5.
Brush, Dental. E. L. Chott. 128,685; Aug. 5.
Button or similar article. W. Haas. 128,676; Aug. 5.
Button, Suit. P. Cohen. 128,620; Aug. 5.
Cabinet for a vending machine. M. L. Smith. 128,605; Aug. 5.
Cabinet for disk dictating machines. L. Thompson. 128,649; Aug. 5.
Cabinet, Wall. J. H. Backert. 128,659; Aug. 5.
Cap, Container. P. A. Derham. 128,622; Aug. 5.
Cap, Dispenser. P. D. Becker. 128,613; Aug. 5.
Cape. L. Schwartz. 128,692; Aug. 5.
Carpet or similar article. G. V. Uihlein. 128,608; Aug. 5.
Case, Piano. W. M. Day. 128,621; Aug. 5.
Casing, Typewriter. R. L. Chipman, Jr. 128,673; Aug. 5.
Christmas tree. Miniature artificial. W. H. Nietsche. 128,639; Aug. 5.
Cleaner, Vacuum. W. Krebs. 128,631; Aug. 5.
Coat. E. Minkoff. 128,687; Aug. 5.
Coat. M. Weinstein. 128,694; Aug. 5.
Coat. S. Zimmerman. 128,695; Aug. 5.
Container. C. Preis. 128,642; Aug. 5.
Cutter and server, Combined cake. E. K. Madan. 128,634; Aug. 5.
Dispenser, Liquid. T. L. Titus. 128,648; Aug. 5.
Display sign. E. D. Maloy. 128,603; Aug. 5.
Doll, Baby Santa Claus. R. E. Chaine. 128,601; Aug. 5.
Dress. D. Armour. 128,696; Aug. 5.
Dress. B. Cashin. 128,697–703; Aug. 5.
Dress. M. Ellenbogen. 128,704; Aug. 5.
Dress ensemble. S. Faden. 128,753–4; Aug. 5.
Dress. E. Evans. 128,652; Aug. 5.
Dress. A. L. Feis. 128,742; Aug. 5.
Dress. T. M. Fritz. 128,705; Aug. 5.
Dress. Z. Golden. 128,706–9; Aug. 5.
Dress. D. M. Goodstein. 128,710; Aug. 5.
Dress. D. M. Goodstein. 128,736–7; Aug. 5.
Dress. D. M. Goodstein. 128,743; Aug. 5.
Dress. D. M. Goodstein. 128,755; Aug. 5.
Dress. D. M. Goodstein. 128,762; Aug. 5.
Dress. J. W. Holsten. 128,711; Aug. 5.
Dress. L. Hoshafian. 128,712; Aug. 5.
Dress. V. Jacobs. 128,713; Aug. 5.
Dress. V. Jacobs. 128,715; Aug. 5.
Dress. V. Jacobs. 128,744; Aug. 5.
Dress. V. Jacobs. 127,763–4; Aug. 5.
Dress. S. B. Kaufman. 128,746; Aug. 5.
Dress. D. Mayehoff. 128,716; Aug. 5.
Dress. D. Mayehoff. 128,718–24; Aug. 5.
Dress. B. Price. 128,765; Aug. 5.
Dress. F. L. Rose. 128,725; Aug. 5.
Dress. S. Ruchman. 128,726–7; Aug. 5.
Dress. S. Ruchman. 128,756; Aug. 5.
Dress. D. R. Sadowsky. 128,728; Aug. 5.
Dress. B. Saunders. 128,729; Aug. 5.
Dress. B. Staehle. 128,730; Aug. 5.
Dress. B. Staehle. 128,750; Aug. 5.
Dress. F. T. Stix. 128,731–2; Aug. 5.
Dress. F. T. Stix. 128,766; Aug. 5.
Dress. S. Zahn. 128,733–5; Aug. 5.
Dress. S. Zahn. 128,752; Aug. 5.
Dress. S. Zahn. 128,758–60; Aug. 5.
Dress. S. Zahn. 128,767–73; Aug. 5.
Dress ensemble. E. M. Ciccone. 128,761; Aug. 5.
Dress ensemble. S. Kuznetz. 128,747; Aug. 5.
Dress ensemble. D. Mayehoff. 128,717; Aug. 5.
Emblem plate or similar article, Automobile. B. A. Jamison. 128,686; Aug. 5.
Envelope or similar article. B. F. Perkins. 128,679; Aug. 5.
Fabric, Textile. L. Kalman. 128,667; Aug. 5.
Fabric, Textile. E. McLaughlin. 128,749; Aug. 5.
Fabric, Textile. J. Rubin. 128,689–90; Aug. 5.
Fabric, Woven textile. J. L. Walther. 128,738; Aug. 5.
Faucet, Beverage. J. E. Rosander. 128,643; Aug. 5.
Flashlight. B. F. Muldoon. 128,638; Aug. 5.
Frame, Brush. C. Jobst. 128,654; Aug. 5.
Frame, Picture. A. Vader Werf. 128,651; Aug. 5.
Game board. J. H. Beck. 128,612; Aug. 5.
Game board. F. Springborn. 128,646; Aug. 5.
Game board. S. J. Tatem. 128,607; Aug. 5.
Glove. S. Nathan. 128,678; Aug. 5.
Guard panel, lamp and mounting for lamp and condiment set for ranges, Combined. J. H. Sattler. 128,691; Aug. 5.
Hamper or similar article. H. Gleitsman. 128,626; Aug. 5.
Handle, Leash. S. F. Stickell. 128,606; Aug. 5.
Hanger for doll clothing. R. M. Borden. 128,615; Aug. 5.
Jar. E. J. Walker and R. B. Stover. 128,650; Aug. 5.
Jewelry finding. M. Greenberg. 128,675; Aug. 5.
Juice extractor, Fruit. J. M. Majewski, Jr. 128,748; Aug. 5.
Key chain and license holder, Combined. H. L. Fischer. 128,625; Aug. 5.
Knife, Roofing and linoleum. G. W. Dorcas. 128,623; Aug. 5.
Lace. J. A. Sutton. 128,693; Aug. 5.
Lace trimming or similar article. O. Hallbauer. 128,602; Aug. 5.
Mirror and support, Combined. G. C. Lynch. 128,669; Aug. 5.
Mirror, Toilet. W. J. Bohn. 128,660; Aug. 5.
Mold or similar article, Food. M. Baker. 128,610; Aug. 5.
Overhead piloted vertical slide tool for lathes or the like. O. Kylin. 128,655; Aug. 5.
Pin, Separable brooch. C. A. Jakobb. 128,628; Aug. 5.
Pitcher or similar article. S. C. Brickley. 128,618; Aug. 5.
Plate for oil filters, Retainer. H. C. Marks. 128,670; Aug. 5.
Plate or similar article. I. Darrow. 128,662–5; Aug. 5.
Pocket receptacle, Flexible. W. R. Buxton. 128,661; Aug. 5.
Radio transmitter. A. E. Abel. 128,684; Aug. 5.
Refrigerating unit, for freezing and dispensing frozen custard or the like. C. Erickson and E. Spellman. 128,674; Aug. 5.
Ring, Finger. F. P. Kinsley. 128,629–30; Aug. 5.
Sadiron or similar article. R. I. Huffman. 128,666; Aug. 5.
Scabbard. E. L. Beckwith. 128,614; Aug. 5.
Shelf for laundry tubs. R. J. Steiner. 128,656; Aug. 5.
Shirt and collar protector, Combined. S. Lighter. 128,633; Aug. 5.
Shoe. D. R. Brady. 128,617; Aug. 5.
Shoe or the like, Animal. J. Wheeler, H. C. McKim, and H. T. Riley. 128,657; Aug. 5.
Shoe, Transparent box toe. A. J. Cocozella. 128,619; Aug. 5.
Sign or similar article, Advertising. M. H. Byrne. 128,600; Aug. 5.

Sign panel. I. I. Melby. 128,677; Aug. 5.
Signal, Hand carried traffic. G. Stewart. 128,647; Aug. 5.
Smoking pipe. R. J. Miller. 128,636; Aug. 5.
Spoon or similar article. J. J. Sindler. 128,645; Aug. 5.
Stand, Basin holding. J. W. Boren. 128,616; Aug. 5.
Stand, Display. M. C. Meyer. 128,635; Aug. 5.
Suit. V. Jacobs. 128,714; Aug. 5.
Suit. V. Jacobs. 128,745; Aug. 5.
Suit. F. T. Stix. 128,751; Aug. 5.
Suit. S. Zimmerman. 128,739; Aug. 5.
Suit, Beach ensemble. M. A. Waters. 128,757; Aug. 5.
Table cover or similar article. G. F. Erhard. 128,740–1; Aug. 5.
Tablecloth or similar article. F. Tausend. 128,683; Aug. 5.
Tire, Pneumatic. B. Lee. 128,632; Aug. 5.
Tongs, Culinary. L. O. Barnes. 128,611; Aug. 5.
Tooth brush. L. L. Reinold. 128,681; Aug. 5.
Vanity case, Illuminable. P. V. Aber. 128,658; Aug. 5.
Vaporizer. E. Snyder. 128,672; Aug. 5.
Vase or similar article. W. L. Orme. 128,640; Aug. 5.
Water closet seat and toilet bowl, Combined. R. Passaretti. 128,641; Aug. 5.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine. C. J. Astrowski and F. J. Fritz. 2,251,607; Aug. 5.
Abrading machine, Portable disk. A. N. Emmons. 2,251,442; Aug. 5.
Abrasive article and manufacturing the same. F. Brown. 2,251,437; Aug. 5.
Acetylides, Mono-(organo mercury). W. Bonrath and H. Klös. 2,251,778; Aug. 5.
Acid, Manufacture of ortho-phenoxy-benzoic. W. A. Knapp. 2,251,743; Aug. 5.
Actuating means, Mercury switch. C. W. Wade and C. A. Denny. 2,251,385; Aug. 5.
Adhesive materials, Molding. E. M. Dons and O. G. Mauro. 2,251,785; Aug. 5.
Adhesive sheet and making the same. R. G. Drew. 2,251,273; Aug. 5.
Air cleaner. T. W. Hallerberg. 2,251,789–90; Aug. 5.
Air conditioning system. O. A. Ross. 2,251,376; Aug. 5.
Air-distributing apparatus for ventilating systems. A. S. Chipley. 2,251,660; Aug. 5.
Air flow cooler. V. P. Warren. 2,251,725; Aug. 5.
Air speed indicator. L. N. Schwien. 2,251,498; Aug. 5.
Alloy: *See*—
Magnesium alloy.
Alpha-aminoanthraquinone compounds, Sulphonation of. J. Ogilvie and R. C. Hoare. 2,251,688; Aug. 5.
Amusement device. J. A. Rose. 2,251,757; Aug. 5.
Anacardic acid, Preparing derivatives of. E. E. Novotny and G. K. Vogelsang. 2,251,547; Aug. 5.
Antenna, Aircraft. R. D. Pavlik. 2,251,418; Aug. 5.
Antenna mounting. S. Ludwig. 2,251,889; Aug. 5.
Antenna system, Directional finder. E. J. Hefele. 2,251,708; Aug. 5.
Apparatus for decorating the interior and improving the atmosphere of enclosures. R. Loewy. 2,251,706; Aug. 5.
Apparatus for railway train communication systems. G. R. Pflasterer. 2,251,575; Aug. 5.
Apparatus for soldering containers. G. Goebel and H. A. Rau. 2,251,517; Aug. 5.
Apparatus for storing and dispensing stacked articles. W. J. Gibbs. 2,251,873; Aug. 5.
Apparatus for storing stacked articles. W. J. Gibbs. 2,251,876; Aug. 5.
Apparatus for testing materials. F. W. Stein. 2,251,641; Aug. 5.
Apparatus for the extraction of juices. P. Vásárhelyi. 2,251,859; Aug. 5.
Apparatus for the manufacture of foliated glass. E. H. Wellech and W. C. Weber. 2,251,727; Aug. 5.
Apparatus for the manufacture of thread. W. Jannell. 2,251,886; Aug. 5.
Article of manufacture. R. A. Clawson. 2,251,268; Aug. 5.
Artistic creation for interior decoration and human comfort. R. A. Gonzalez. 2,251,705; Aug. 5.
Assembly for clutches, brakes, universal joints, and the like. T. L. Fawick. 2,251,443; Aug. 5.
Assembly for driving clutches and the like. T. L. Fawick. 2,251,444; Aug. 5.
Assembly for driving clutches, brakes, and the like and making the same. T. L. Fawick. 2,251,445; Aug. 5.
Auger, Dirt lifting tractor. R. Tichy, Jr. 2,251,506; Aug. 5.
Automobile brake indicator. A. J. Miehle. 2,251,615; Aug. 5.
Automobile crossing barrier. E. A. Banschbach. 2,251,699; Aug. 5.
Awning. R. B. Kuhn and M. S. Tyson. 2,251,572; Aug. 5.
Axle-driven mechanism. H. W. Alden and L. R. Buckendale. 2,251,258; Aug. 5.
Axle suspension system, Dual. G. L. Knox. 2,251,360; Aug. 5.
Bag filling spout means, Valve. R. P. Bushman. 2,251,659; Aug. 5.
Baking appliance. S. Pollock. 2,251,600; Aug. 5.
Bar: *See*—
Boring bar.
Bearing: *See*—
Roller bearing.
Bearing. W. F. Smith. 2,251,469; Aug. 5.
Bearing for journals, Brass. J. P. Savage. 2,251,720; Aug. 5.
Bed, Invalid. W. A. Leland, Jr. 2,251,797; Aug. 5.
Belt guide for cigarette machines. P. J. Herrmann. 2,251,518; Aug. 5.
Binder, Loose-leaf. A. N. Hanna and F. Hafekost. 2,251,878; Aug. 5.
Binder, Loose-leaf. A. M. Martin. 2,251,614; Aug. 5.
Binding arrangement. I. Spinner. 2,251,343; Aug. 5.
Blind, Venetian. M. McGrew. 2,251,363; Aug. 5.
Blower. A. G. Redmond. 2,251,553; Aug. 5.
Board: *See*—
Diving board.
Bobbins on spindles to dampen the vibration thereof, Mounting. H. G. Beede. 2,251,390; Aug. 5.
Boiler. E. L. Hannum, L. E. Seeley, and E. C. Desjardins. 2,251,589; Aug. 5.
Boiler for aircraft heating systems. N. C. Price. 2,251,420; Aug. 5.
Book holder, Record. A. O. Large. 2,251,845; Aug. 5.
Boring bar. J. A. Munkebo. 2,251,413; Aug. 5.
Box: *See*—
Dispensing box. Reclosable box.
Bracket: *See*—
Shelf bracket. Tie back bracket.
Brake: *See*—
Shoe drum brake. Variable leverage brake.
Brake actuator. S. A. Snell. 2,251,893. Aug. 5.
Brake control mechanism, Electrically operated. C. V. Gardiner. 2,251,787; Aug. 5.
Brake mechanism. C. L. Eksergian. 2,251,668; Aug. 5.
Brake operating means. J. McIntyre and W. C. Doran. 2,251,521; Aug. 5.
Break switch, Snap make-slow. G. I. Holmes. 2,251,830; Aug. 5.
Breech closure for guns. W. Summerbell. 2,251,304; Aug. 5.
Brick manufacture. C. L. Norton. 2,251,687; Aug. 5.
Broach, Shaper. W. S. Praeg. 2,251,834; Aug. 5.
Bromine and iodine from alkaline brines, Recovering. W. A. Gale and E. P. Pearson. 2,251,353; Aug. 5.
Broom. W. D. Rose. 2,251,857; Aug. 5.
Brush. B. Cromie. 2,251,327; Aug. 5.
Brush apparatus, Bottle cleaning. C. W. Reise. 2,251,497; Aug. 5.
Brush, Washingstrip. A. Steiner. 2,251,767; Aug. 5.
Buffing wheel. C. J. and A. H. Peterson. 2,251,690; Aug. 5.
Building structure. J. C. Pelton. 2,251,499; Aug. 5.
Burner: *See*—
Gas burner.
Burner head, Round. A. P. Livar. 2,251,711; Aug. 5.
Bicycle stand. F. W. Schwinn. 2,251,639; Aug. 5.
Cabinet: *See*—
Towel dispensing cabinet.
Cables, Making metal-sheathed. L. E. Fogg. 2,251,826; Aug. 5.
Calculating machine. T. Lagerman. 2,251,520; Aug. 5.
Camera. E. G. Touceda. 2,251,473; Aug. 5.
Can grinding machine. C. J. Green. 2,251,882; Aug. 5.
Cap making apparatus. R. M. Wareham. 2,251,433; Aug. 5.
Can opener. M. J. Zimmer. 2,251,348; Aug. 5.
Can splitting device, Plant. C. Collins. 2,251,867; Aug. 5.
Capillary active compounds and preparing them. L. Orthner, C. Platz, H. Keller, and H. Sönke. 2,251,892; Aug. 5.
Car: *See*—
Rail car.
Car lift, Hydraulic. J. P. Schwartz and J. P., S. H., and T. J. McDonald. 2,251,293; Aug. 5.
Carbon monoxide with hydrogen into hydrocarbons, Conversion of. F. Sabel, H. Laudenklos, W. Wenzel, and F. Keilig. 2,251,554; Aug. 5.
Card for punched-card accounting machines. R. A. Artana. 2,251,728; Aug. 5.
Carrier. W. J. Looney. 2,251,591; Aug. 5.
Carton. E. W. Johnson. 2,251,627; Aug. 5.
Cartons, Erecting. C. W. Hartmann. 2,251,883; Aug. 5.
Case: *See*—
Portable tool case.
Cathode ray device. F. Gray. 2,251,332; Aug. 5.
Cellulose sheet material and making the same. E. Czapek. 2,251,270; Aug. 5.
Cellulosic pellicle, Sizid regenerated. J. A. Mitchell. 2,251,752; Aug. 5.
Chain: *See*—
Cutter chain. Tire chain.
Cheese, Preparing. C. H. Parsons. 2,251,496; Aug. 5.
Choker hook. T. Brewer. 2,251,319; Aug. 5.
Circuit: *See*—
Electron-beam deflecting circuit. Resonant circuit circuit.
Circuit breaker. W. H. Frank and J. A. Messing. 2,251,703; Aug. 5.
Circuit closer for flashlights. O. T. Wood. 2,251,561; Aug. 5.
Circuit for electrical prospecting, Mixing. P. W. Klipsch. 2,251,549; Aug. 5.

Circuits for directionally controlling signal transmission in two-way signal transmission systems. H. J. Fisher. 2,251,276; Aug. 5.
Circulating system, Liquid. F. W. Davis. 2,251,664; Aug. 5.
Clamping washer. L. M. Frost. 2,251,733; Aug. 5.
Clasp, Garment. W. S. Painter. 2,251,800; Aug. 5.
Cleaner: *See*—
Air cleaner. Suction cleaner.
Cleaning solvent, Dry. A. S. Richardson. 2,251,691; Aug. 5.
Cleaning solvent, Dry. N. B. Tucker. 2,251,694; Aug. 5.
Clip: *See*—
Spring clip.
Clipping apparatus, Shaving or hair. R. E. Jones. 2,251,455; Aug. 5.
Clock, Color. V. E. Babcock. 2,251,500; Aug. 5.
Closure for bottle stoppers and pourers. D. M. Fox. 2,251,446; Aug. 5.
Closure for cosmetic jars and the like. H. P. Bender. 2,251,563; Aug. 5.
Clutch: *See*—
Friction clutch.
Clutch. K. Miller and W. V. Thelander. 2,251,366–7; Aug. 5.
Clutch mechanism, Automatic. J. E. Padgett. 2,251,598; Aug. 5.
Coating material, Means of. S. H. Berch and G. Pieretti. 2,251,264; Aug. 5.
Code practice set. O. M. Dunning. 2,251,902; Aug. 5.
Coin handling apparatus. W. G. Peters. 2,251,755; Aug. 5.
Collapsible structure. M. I. Williamson. 2,251,605; Aug. 5.
Collar. W. Rubinstein. 2,251,758; Aug. 5.
Combustion guide for aircraft engines. C. C. Minter. 2,251,751; Aug. 5.
Commutators, Making. J. F. Cullin. 2,251,326; Aug. 5.
Comparator, Scanning. J. H. Hammond, Jr. 2,251,828; Aug. 5.
Composition for treating aqueous fluids. R. R. Magill. 2,251,748; Aug. 5.
Composition of matter and preventing water-in-oil emulsions resulting from acidization of calcareous oil-bearing strata. C. M. Blair, Jr. 2,251,393; Aug. 5.
Composition of matter, Protein. L. A. Hall. 2,251,334; Aug. 5.
Compressor, Rotary. B. Dick and F. H. Stroup. 2,251,784; Aug. 5.
Concrete block machine. L. Gelbman, E. F. Olsen, and A. B. Mays. 2,251,447; Aug. 5.
Concrete form. A. Arrighini. 2,251,775; Aug. 5.
Concrete forms, Treatment of. R. T. Edwards. 2,251,824; Aug. 5.
Condenser plate, Coronaproof. W. Buschbeck and W. Kummerer. 2,251,540; Aug. 5.
Conductor, Insulated electrical. J. W. Greenleaf. 2,251,355; Aug. 5.
Conductor, Nonmetallic sheathed. C. W. Abbott. 2,251,262; Aug. 5.
Container: *See*—
Dispensing container. Friction clutch container.
Container. A. Howie. 2,251,281; Aug. 5.
Container and container manufacture. A. H. Lockwood. 2,251,361; Aug. 5.
Containing and cutting device, Twine. A. Hammerstein. 2,251,791; Aug. 5.
Control apparatus for electrostatic drying. G. T. Hart, Jr., E. E. Winkley. 2,251,277; Aug. 5.
Control device. G. Bach. 2,251,729; Aug. 5.
Control device for carburetors on motor vehicles. E. Dörner. 2,251,516; Aug. 5.
Control for stokers, Automatic. F. S. Denison and E. K. Scoggin. 2,251,483; Aug. 5.
Control instrument. R. Ullman. 2,251,535; Aug. 5.
Control system. T. B. Montgomery and E. H. Stivender. 2,251,493; Aug. 5.
Control system, Electric valve. S. R. Durand. 2,251,484; Aug. 5.
Control system for gas-air plants. J. E. Robb and J. M. Larson. 2,251,636; Aug. 5.
Control system, Zone air conditioning. E. H. Danielson. 2,251,881; Aug. 5.
Control valve, Flow. E. A. Corbin, Jr. 2,251,481; Aug. 5.
Conveyer. N. D. Levin. 2,251,832; Aug. 5.
Conveyer and screen, Vibratory. A. D. Holt. 2,251,678; Aug. 5.
Cooler: *See*—
Air flow cooler. Counter cooler.
Core drill apparatus. L. P. Kinnear. 2,251,679; Aug. 5.
Corn sheller. F. C. Hill. 2,251,842; Aug. 5.
Corrugating machine. W. H. Cannard. 2,251,513; Aug. 5.
Counter cooler. B. A. Hill. 2,251,736; Aug. 5.
Coupler. A. H. Ames and T. S. Moulton. 2,251,651; Aug. 5.
Coupling: *See*—
Flexible coupling. Tube coupling.
Coupling for tubes. A. L. Parker. 2,251,716–18; Aug. 5.
Cover: *See*—
Toilet seat cover.
Curtain fixture, Nailless. R. R. Auger. 2,251,864; Aug. 5.
Curve testing machine, Involute. E. W. Miller. 2,251,339; Aug. 5.
Cushioning facility for seats and the like. G. W. Blair, J. F. Schott, and W. E. Faulk. 2,251,318; Aug. 5.
Cutter and rake, Combined stalk. C. G. and W. B. Soefje. 2,251,581; Aug. 5.
Cutter chain. P. J. Horrigan. 2,251,406; Aug. 5.
Cutting die. J. M. Wall and J. W. Albrecht. 2,251,432; Aug. 5.
Damper, Furnace flue. H. M. Cunningham. 2,251,440; Aug. 5.
Damper regulator, Stack. J. T. Carlson. 2,251,822; Aug. 5.
Dehumidifier, Air conditioning. J. C. Wichmann. 2,251,649; Aug. 5.
Delivery service, Extensible. F. W. Moore. 2,251,340; Aug. 5.
Dental appliance. H. Mandus. 2,251,749; Aug. 5.
Derrick, Hay. L. G. Messman. 2,251,595; Aug. 5.
Detergent, wetting-out, and emulsifying agents, Manufacturing. E. Watanabe and S. Kawamura. 2,251,536; Aug. 5.
Device to form pin curls. A. L. Wyatt. 2,251,478; Aug. 5.
Dictating machine. B. A. Schiff. 2,251,603; Aug. 5.
Die: *See*—
Cutting die.
Die and die holder. F. Judge. 2,251,336; Aug. 5.
Diffusion and drip apparatus. M. Fuld and A. M. Leoni. 2,251,734; Aug. 5.
Dispenser: *See*—
Paste dispenser.
Dispenser closure top. R. Bernhardt. 2,251,392; Aug. 5.
Dispenser for elongated articles. I. Koziel. 2,251,489; Aug. 5.
Dispensing apparatus, Grease. H. O. Grimmelsen. 2,251,675; Aug. 5.
Dispensing box. W. T. Holland. 2,251,405; Aug. 5.
Dispensing container. A. E. Cullen. 2,251,823; Aug. 5.
Dispensing device. G. Pettigrew. 2,251,374; Aug. 5.
Display device, Article. H. Konikoff. 2,251,740; Aug. 5.
Display holder and napkin container, Combination. V. W. Cornelius. 2,251,439; Aug. 5.
Display rack, Knockdown. P. Yohns. 2,251,814; Aug. 5.
Display structure, Illuminable. E. A. Willer. 2,251,861; Aug. 5.
Distributor, Ignition. J. L. Arthur. 2,251,387; Aug. 5.
Diving board. J. L. Stark. 2,251,766; Aug. 5.
Door catch extension. S. H. Lowe. 2,251,592; Aug. 5.
Door locking means, Coke oven. E. Grasshoff. 2,251,541; Aug. 5.
Driers and preparing them. F. Meidert, E. v. Pongratz, and H. Schatz. 2,251,798; Aug. 5.
Drill: *See*—
Rock drill.
Drill pipe protector. W. G. L. Smith. 2,251,428; Aug. 5.
Drill support. J. C. Dixon. 2,251,701; Aug. 5.
Driving means for sheet feeders. E. W. and F. R. Belluche. 2,251,479; Aug. 5.
Drop cord, Unitary volt reducing. C. C. Sittler and A. J. Godshalk. 2,251,898; Aug. 5.
Dry pipe valve. H. N. Rider. 2,251,422; Aug. 5.
Dual wheel vehicle. C. S. Ash. 2,251,538; Aug. 5.
Dual wheeled vehicle. C. S. Ash. 2,251,539; Aug. 5.
Dye, Azo. B. L. West and D. R. Eberhart. 2,251,813; Aug. 5.
Dyes, Preparing oxatricarbocyanine. G. H. Keyes. 2,251,286; Aug. 5.
Dyestuff of the anthraquinone series. D. P. Graham. 2,251,566; Aug. 5.
Dyestuffs of the dibenzanthrone series and making them. M. S. Whelen. 2,251,558; Aug. 5.
Egg filtration process. F. B. Lomax. 2,251,684; Aug. 5.
Electric switch, Pressure operated. S. C. Wayman. 2,251,648; Aug. 5.
Electrical distribution system. W. H. Frank and J. W. Harper. 2,251,403–4; Aug. 5.
Electrical timer. R. L. Schoene. 2,251,763; Aug. 5.
Electrode holder. P. Bourque. 2,251,779; Aug. 5.
Electromagnet, Pusher-type. R. S. Miller. 2,251,750; Aug. 5.
Electromagnetic motor. A. W. Stephenson. 2,251,505; Aug. 5.
Electron-beam deflecting circuit. R. C. Moore. 2,251,851; Aug. 5.
Electronic tube. G. A. Morton. 2,251,573; Aug. 5.
Embedding masses, Manufacture of. A. Röst-Grande. 2,251,610; Aug. 5.
Engine: *See*—
Internal combustion engine. Wabbler engine.
Engine starting mechanism. S. Gilbert. 2,251,588; Aug. 5.
Engine synchronizer. M. F. Bates. 2,251,388; Aug. 5.
Envelope, Quick opening. E. B. Berkowitz. 2,251,391; Aug. 5.
Equalizer and inflater, Tire-pressure. G. H. Meiser. 2,251,713; Aug. 5.
Esters and amides, Substituted cianamic acid. W. A. Lott. 2,251,287; Aug. 5.
Esters of aliphatic hydroxy compounds, Preparation of fatty acid. N. B. Tucker. 2,251,695; Aug. 5.
Esters of Maleic acid and unsaturated alcohols. B. E. Sorenson. 2,251,765; Aug. 5.

Expander, Storage battery. R. M. Cole. 2,251,399; Aug. 5.
Exterminating tool, Weed. W. F. Gagner. 2,251,587; Aug. 5.
Fabric and method of knitting. E. St. Pierre and G. McDowell. 2,251,811; Aug. 5.
Fabric with inlaid elastic yarn, Producing flat knitted. G. W. Ruedt. 2,251,805; Aug. 5.
Fan blade unit. J. Leffar. 2,251,888; Aug. 5.
Fan Unit, Flexible. E. P. Larsh. 2,251,887; Aug. 5.
Fastening device. G. A. Tinnerman. 2,251,643–4; Aug. 5.
Feather treatment. B. Bouda. 2,251,438; Aug. 5.
Feedbox for lathes. W. F. Groene and G. W. Luning. 2,251,707; Aug. 5.
Feeder and screen, Vibratory. J. A. Flint. 2,251,586; Aug. 5.
Feeding machine, Stick. A. M. and A. M. Griffin. 2,251,333; Aug. 5.
Film recording, Sound on. G. L. Dimmick. 2,251,665; Aug. 5.
Firetrap for motion picture projectors. R. R. French. 2,251,704; Aug. 5.
Fishing reel. J. A. Coxe. 2,251,782; Aug. 5.
Flexible coupling. C. R. Reuter and T. L. Fawick. 2,251,804; Aug. 5.
Float, Fish net. I. L. Shepherd. 2,251,721; Aug. 5.
Flow apparatus for oil wells. C. A. Rasmussen. 2,251,421; Aug. 5.
Fluid control means. E. C. Brisbane. 2,251,320; Aug. 5.
Fluid operated means. M. P. Burke. 2,251,323; Aug. 5.
Flush valve. W. L. Harroun. 2,251,357; Aug. 5.
Folding machine. H. Forst and E. M. Norton. 2,251,671; Aug. 5.
Footwear, Lasting. J. S. Kamborian. 2,251,284; Aug. 5.
Forming and trimming machine. H. C. Smith, Jr. 2,251,810; Aug. 5.
Friction closure container. W. L. Rutkowski. 2,251,808; Aug. 5.
Friction clutch. A. W. Anderson. 2,251,349; Aug. 5.
Friction clutch. J. H. Wilson. 2,251,862; Aug. 5.
Fuel injection pump. E. M. Purdy. 2,251,552; Aug. 5.
Fuel pump for engines. F. Davis. 2,251,783; Aug. 5.
Furnace unit. R. Warrender. 2,251,380; Aug. 5.
Furniture. L. Jiranek. 2,251,544; Aug. 5.
Fuse construction. A. G. Steinmayer. 2,251,471; Aug. 5.
Fuse, Electric. F. S. Klein. 2,251,409; Aug. 5.
Galley identification holding device. J. J. Schimmel. 2,251,762; Aug. 5.
Game, Baseball. K. E. Vogel. 2,251,724; Aug. 5.
Garment hanger. G. A. Mizer. 2,251,894; Aug. 5.
Gas burner. A. P. Livar. 2,251,710; Aug. 5.
Gas generating apparatus. H. E. Howard. 2,251,796; Aug. 5.
Gas generating method. H. E. Howard. 2,251,795; Aug. 5.
Gauge for determining rate of rainfall. F. J. Cornick. 2,251,352; Aug. 5.
Generator: *See*—
Steam generator.
Glass machine. J. A. Lewis. 2,251,847; Aug. 5.
Glass, Manufacture of foliated. E. H. Wellech and W. C. Weber. 2,251,726; Aug. 5.
Grafting substance. G. S. Avery, Jr. 2,251,263; Aug. 5.
Greases, Manufacture for brick or block. L. W. Sproule and E. J. Higgins. 2,251,528; Aug. 5.
Grinding machine footstock. H. S. Indge. 2,251,885; Aug. 5.
Guard, Knee. R. H. Manzeck. 2,251,362; Aug. 5.
Guitar player, Foot-operated. W. C. Sylvester. 2,251,472; Aug. 5.
Gunrack. A. R. Del Campo, Jr. 2,251,271; Aug. 5.
Hair curling and drying apparatus. A. G. Bowyer. 2,251,480; Aug. 5.
Hammock assembly, Portable. E. A. Spangler. 2,251,299; Aug. 5.
Handbag. G. L. Meyers. 2,251,412; Aug. 5.
Hanger: *See*—
Garment hanger. Sink hanger.
Hardware device, Pole line. L. T. Owen. 2,251,495; Aug. 5.
Harrow, Disk. F. W. Short. 2,251,500; Aug. 5.
Harrow, Offset disk. W. E. Goble. 2,251,788; Aug. 5.
Harvester construction, Combined. A. E. Bostic. 2,251,655; Aug. 5.
Hats, Making. L. O. Wisman. 2,251,477; Aug. 5.
Heater: *See*—
Water heater.
Heater and control circuits for the same, Manifold. B. Loeffler and J. S. Pelan. 2,251,630; Aug. 5.
Heater for motor vehicles. G. E. Motzer. 2,251,370; Aug. 5.
Hinge. W. E. Barrett. 2,251,865; Aug. 5.
Hinge. G. E. Curtiss, Jr. 2,251,482; Aug. 5.
Holder: *See*—
Book holder. Electrode holder.
Die and die holder.
Homogenizer. G. O. Moyer and E. Krettingen. 2,251,371; Aug. 5.
Hook: *See*—
Choker hook.
Hoop trundling device. F. W. Peterson. 2,251,599; Aug. 5.
Hosiery. P. L. Thurston and H. F. Hilker. 2,251,531; Aug. 5.
Housing. J. H. Shrock. 2,251,764; Aug. 5.
Hull for boats. A. W. W. van Hoorn. 2,251,621; Aug. 5.
Hydrocarbons, Catalytic treatment of. F. A. Howard. 2,251,571; Aug. 5.
Hydrocarbons, Conversion of olefinic. R. F. Ruthruff. 2,251,580; Aug. 5.
Hydropneumatic power unit, Bottom hole. W. B. Reed. 2,251,290; Aug. 5.
Ice removing jackets, Making. R. S. Colley. 2,251,661; Aug. 5.
Impulse sender. H. Döhle. 2,251,666; Aug. 5.
Indicator: *See*—
Air speed indicator.
Automobile brake indicator.
Inductance device. H. F. Mayer. 2,251,631; Aug. 5.
Induction motor. G. A. Gillen. 2,251,673–4; Aug. 5.
Inflation system and apparatus for operating the same. M. L. Taylor. 2,251,430; Aug. 5.
Insect trap. B. C. Chappell. 2,251,260; Aug. 5.
Intermediates of the dibenzanthrone series and making them. M. S. Whelen. 2,251,559; Aug. 5.
Internal combustion engine. J. F. Sladky. 2,251,604; Aug. 5.
Internal expansion engine. C. A. Crumpler. 2,251,662; Aug. 5.
Jack: *See*—
Lifting jack.
Jack. J. A. Washington. 2,251,308; Aug. 5.
Knife, Butter. H. P. Keefer. 2,251,844; Aug. 5.
Knitting. P. L. Thurston and H. F. Hilker. 2,251,533; Aug. 5.
Knitting machine, Circular. P. L. Thurston and H. F. Hilker. 2,251,532; Aug. 5.
Lasting machine. J. S. Kamborian. 2,251,285; Aug. 5.
Lasting tool. E. Casavant. 2,251,396; Aug. 5.
Laundry device. F. A. Conterman. 2,251,564; Aug. 5.
Level attachment for pencils. R. N. Skrainka. 2,251,640; Aug. 5.
Lift for toilet seats. R. B. Warner. 2,251,770; Aug. 5.
Lifting jack. W. S. Saunders. 2,251,759; Aug. 5.
Lifting jack. F. H. Schwerin. 2,251,427; Aug. 5.
Light bulb handling device. E. T. Pringle. 2,251,855; Aug. 5.
Light sensitive circuit means. J. J. Thompson. 2,251,306; Aug. 5.
Lighter, Cigar. A. A. Johnson. 2,251,611; Aug. 5.
Lighting system, Automatic. C. P. Beardslee and J. K. Lybarger. 2,251,700; Aug. 5.
Loader, Manure. W. J. White. 2,251,583; Aug. 5.
Loader, Self-propelling. W. E. Ehinger. 2,251,667; Aug. 5.
Lock end connection, Safety. S. O. Myrberg. 2,251,463; Aug. 5.
Locking device. C. White. 2,251,560; Aug. 5.
Logging, Borehole. L. F. Athy and H. R. Prescott. 2,251,817; Aug. 5.
Lubricant additive. M. S. Agruss, G. W. Ayers, Jr., and H. Schindler. 2,251,774; Aug. 5.
Lubricating compound. J. M. Musselman and H. P. Lankelma. 2,251,686; Aug. 5.
Lubricating system. E. S. Patch and J. A. Lignian. 2,251,465; Aug. 5.
Lure, Fish. C. V. Mangle. 2,251,593; Aug. 5.
Machine for generating heat by friction. E. A. Tesch. 2,251,344; Aug. 5.
Machine for manufacturing electric fuse plugs. L. Weiss and L. Ludwig. 2,251,434; Aug. 5.
Machine for smoothing fasteners. A. E. Carlile. 2,251,821; Aug. 5.
Machine for trimming or slitting sheet material. C. M. Yoder. 2,251,313; Aug. 5.
Machine tool drive. H. R. Young. 2,251,863; Aug. 5.
Magnesium alloy. A. Burkhardt, R. Knabe, and K. Riederer. 2,251,266; Aug. 5.
Marking apparatus, Road. B. B. Sapp. 2,251,719; Aug. 5.
Marking machine. G. C. Gettman. 2,251,354; Aug. 5.
Mat, Bath. D. A. Nicholson. 2,251,372; Aug. 5.
Measuring and recording apparatus, Vibration. G. P. Bentley and C. S. Draper. 2,251,436; Aug. 5.
Measuring device, Foot. J. Fitzpatrick and D. B. Ames. 2,251,825; Aug. 5.
Measuring device for garments. B. W. Browning. 2,251,866; Aug. 5.
Meat product and preparation, Fresh. K. G., Sr., and K. G. Plitt, Jr. 2,251,801; Aug. 5.
Mechanical element, Constant coefficient. J. E. Harris. 2,251,356; Aug. 5.
Mechanism for producing curved metal articles. R. Körting. 2,251,741; Aug. 5.
Mercaptothiazolines, Manufacture of. R. A. Mathes. 2,251,459; Aug. 5.
Metal structure and making same, Composite. R. P. Koehring and A. R. Shaw. 2,251,410; Aug. 5.
Metal, Treating molten. E. B. Story and F. W. White. 2,251,303; Aug. 5.
Metallic articles, Coating. B. Berghaus and W. Burkhardt. 2,251,510; Aug. 5.
Method and apparatus for coating sheet materials. H. A. Sheesley. 2,251,295; Aug. 5.
Method and apparatus for electrical precipitation. R. Heinrich. 2,251,451; Aug. 5.
Method and apparatus for evaporation. L. G. Black. 2,251,317; Aug. 5.

Method and apparatus for inspecting tubing. F. Huntsinger. 2,251,739; Aug. 5.
Method of and apparatus for perforating. A. W. Phillips. 2,251,634; Aug. 5.
Method of and apparatus for producing stereoscopic pictures. C. F. Mendez. 2,251,850; Aug. 5.
Method and apparatus for rolling curved sheets. E. B. Cairns. 2,251,901; Aug. 5.
Method and apparatus for selecting fractions from fractionating condensers. G. E. Wynn and R. G. Huggins. 2,251,771; Aug. 5.
Method and means for winding coils. R. C. Ballard. 2,251,776; Aug. 5.
Mold for plastic material. A. G. Snell. 2,251,858; Aug. 5.
Moldboard for plows and making same. W. W. Patrick and H. M. Turpin. 2,251,341; Aug 5.
Molding machine. J. H. Scharffenberg. 2,251,425; Aug. 5.
Monoglycerides, Preparation of. A. S. Richardson. 2,251,692; Aug. 5.
Monoglycerides, Preparation of. A. S. Richardson and E. W. Eckey. 2,251,693; Aug. 5.
Mop. T. J. Thomas. 2,251,384; Aug. 5.
Motion checking means. W. G. Peters. 2,251,756; Aug. 5.
Motor: *See*—
Electromagnetic motor. Vibratory motor.
Induction motor.
Motor for deep well pumps, Submergible electric. A. Arutunoff. 2,251,816; Aug. 5.
Motor mounting. G. D. Clark. 2,251,398; Aug. 5.
Mounting: *See*—
Antenna mounting. Motor mounting.
Mounting for abrading wheels. J. English. 2,251,702; Aug. 5.
Mower, High grass, Lawn. J. A. Ronning. 2,251,637; Aug. 5.
Mower structure. H. W. Simpson. 2,251,378; Aug. 5.
Mowing machine. H. W. Simpson and A. Abgarian. 2,251,377; Aug. 5.
Muffler and silencer construction. B. B. Cary and C. Hollerith. 2,251,880; Aug. 5.
Nail polish protector. M. B. O'Reilly. 2,251,551; Aug. 5.
Notebook. G. A. Canning. 2,251,780; Aug. 5.
Nut fastener or the like, Spring. G. A. Tinnerman. 2,251,723; Aug. 5.
Obstruction remover for drain pipes. C. R. Harless. 2,251,590; Aug. 5.
Oil, Lubricating. B. H. Lincoln and A. Henriksen. 2,251,738; Aug. 5.
Oil wells, Shooting. O. C. Mays. 2,251,712; Aug. 5.
Oils, Solvent treatment of hydrocarbon. M. S. Agruss and W. H. Sowers. 2,251,773; Aug. 5.
Opener, Package. M. Lenclone. 2,251,458; Aug. 5.
Oscillation elimination, Parasitic. L. M. Leeds. 2,251,629; Aug. 5.
Oven construction. R. W. White. 2,251,582; Aug. 5.
Oxide pigment, Zinc. D. L. Gamble and J. H. Haslam. 2,251,871–2; Aug. 5.
Packaging means for small resistor units. W. S. Freeburg. 2,251,609; Aug. 5.
Parking device, Vehicle. H. S. Johns. 2,251,407; Aug. 5.
Pad and making same, Heating. G. Van Daam and E. Stranszky. 2,251,697; Aug. 5
Paper machine press. B. A. Malkin. 2,251,492; Aug. 5.
Paper product. J. H. Shipp. 2,251,296; Aug. 5.
Passenger vehicle. F. R. and W. B. Fageol. 2,251,584; Aug. 5.
Paste dispenser, Tube. J. D. O'Neill. 2,251,574; Aug. 5.
Pavements, Casting concrete. B. F. Friberg. 2,251,672; Aug. 5.
Photoelectric tube. H. A. Berg, Jr. 2,251,653; Aug. 5.
Phonograph. L. Z. La Forest. 2,251,680; Aug. 5.
Phonograph, Automatic. T. M. Wright. 2,251,381; Aug. 5.
Photographic device. W. B. Hargreaves. 2,251,335; Aug. 5.
Photographic emulsion, Sensitizer. F. Bauer and G. Wilmanns. 2,251,777; Aug. 5.
Photographic sensitive material. A. Miller. 2,251,365; Aug. 5.
Photographing machine, Document. R. M. Hessert. 2,251,570; Aug. 5.
Picture projector, Endless type motion. J. J. Hazard. 2,251,793; Aug. 5.
Pigment. D. L. Gamble and J. H. Haslam. 2,251,869–70; Aug. 5.
Pigment, Ceramic. C. J. Harbert. 2,251,829; Aug. 5.
Pigment, Zinc oxide. D. L. Gamble and J. H. Haslam. 2,251,871; Aug. 5.
Pipe: *See*—
Smoking pipe. Tobacco pipe.
Piston and cylinder construction. A. B. Carmichael. 2,251,259; Aug. 5.
Piston expander and installation. R. M. Ulrich. 2,251,696; Aug. 5.
Plant bed protector equipment. A. P. and J. M. Foree. 2,251,624; Aug. 5.
Playing card, Advertising. R. H. Comens. 2,251,781; Aug. 5.
Plug: *See*—
Thermostatic heating plug.
Pneumatic machine gun adapter for practicing. A. Schmidt. 2,251,836; Aug. 5.
Pocket, Auxiliary safety. P. Puodis. 2,251,576; Aug. 5.
Polyamides, Treatment of. F. K. Watson. 2,251,508; Aug. 5.
Polymeric materials, Making. R. M. Joyce and D. M Ritter. 2,251,519; Aug. 5.
Polymers, Coloring vinylidene chloride. A. W. Hanson. 2,251,486; Aug. 5.
Portable tool case. J. C. Newton. 2,251,753; Aug. 5.
Power device. F. Radich. 2,251,856; Aug. 5.
Power supply arrangement suitable for use in telephone systems. R. F. Stehlik. 2,251,302; Aug. 5.
Power transmission. F. S. Hodgman and R. C. Griffith. 2,251,279; Aug. 5.
Power transmission. C. A. Neracher and W. T. Dunn. 2,251,464; Aug. 5.
Power transmission device. R. Payson. 2,251,466; Aug. 5.
Practice apparatus, Badminton. F. Flores. 2,251,669; Aug. 5.
Preparing and molding material. B. A. Jeffrey. 2,251,454; Aug. 5.
Press: *See*—
Paper machine press. Shoe clamping press.
Press and welding machine, Combined assembling. G. G. Carlson. 2,251,324; Aug. 5.
Pressure relief valve. W. Ernst. 2,251,275; Aug. 5.
Propeller having adjustable blades, Regulatable. H. Reissner and M. Christian. 2,251,602; Aug. 5.
Prospecting, Electrical transient. G. E. White. 2,251,537; Aug. 5.
Protector: *See*—
Drill pipe protector. Television protector.
Nail polish protector. Thread protector.
Pump: *See*—
Fuel injection pump.
Pump. E. J. Ruthman. 2,251,807; Aug. 5.
Pump and alarm unit, Air. H. N. Rider. 2,251,423; Aug. 5.
Pump control. W. Ernst. 2,251,274; Aug. 5.
Pumping apparatus. F. H. Eckert. 2,251,868; Aug. 5.
Quinine solution. A. Salomon. 2,251,526; Aug. 5.
Rack: *See*—
Display rack.
Rail anchor. G. L. Moore and J. R. Steele. 2,251,685; Aug. 5.
Rail bond. C. A. Cadwell. 2,251,820; Aug. 5.
Rail car. A. O. Williams and M. M. Dean. 2,251,347; Aug. 5.
Rake, Brush cleaning. H. Hertzberg. 2,251,626; Aug. 5.
Razor, Electric. J. H. Rand, Jr. 2,251,577; Aug. 5.
Razor, Electric. A. J. Stecker. 2,251,620; Aug. 5.
Razor, Safety. S. H. Benjamin. 2,251,652; Aug. 5.
Receiver, Frequency modulated wave. G. C. Szikiai. 2,251,382; Aug. 5.
Receptacle. G. J. Forman. 2,251,565; Aug. 5.
Reciprocating mechanism. D. G. Baker. 2,251,838; Aug. 5.
Reclosable box. E. W. Johnson. 2,251,283; Aug. 5.
Recording apparatus, Television. D. W. Epstein. 2,251,786; Aug. 5.
Recording device. Y. Neal. 2,251,632; Aug. 5.
Reed for looms. C. F. Libby. 2,251,337; Aug. 5.
Reel: *See*—
Fishing reel.
Reel drive. J. G. Zuber. 2,251,772; Aug. 5.
Reflecting device, View. W. F. Clark. 2,251,325; Aug. 5.
Refrigerating apparatus. I. J. Knudson. 2,251,831; Aug. 5.
Refrigerating apparatus. A. A. Kucher. 2,251,490; Aug. 5.
Refrigeration control system. A. B. Newton. 2,251,891; Aug. 5.
Refrigeration. C. T. Ashby. 2,251,314; Aug. 5.
Refrigeration apparatus. L. B. M. Buchanan. 2,251,658; Aug. 5.
Refrigeration control system. C. B. Spangenberg. 2,251,503; Aug. 5.
Refrigeration system, Absorbtion. H. L. Lescarbeau. 2,251,746; Aug. 5.
Regulating apparatus for dynamoelectric machines. F. G. Logan. 2,251,683; Aug. 5.
Regulator: *See*—
Damper regulator. Speed regulator.
Relay tube, Gaseous. D. S. Gustin and R. F. Hays, Jr. 2,251,568; Aug. 5.
Relay tube, Gaseous electric. R. F. Hays, Jr., D. S. Gustin, and W. E. Carpenter. 2,251,278; Aug. 5.
Relay, Voltage change-over. A. B. Newton. 2,251,494; Aug. 5.
Resilient wheel. C. Saurer. 2,251,809; Aug. 5.
Resetting mechanism for registers. C. S. Hazard. 2,251,792; Aug. 5.
Resin and making the same, Synthetic. F. J. Soday. 2,251,297–8; Aug. 5.
Resinous reaction product and process therefor. J. B. Rust and I. Pöckel. 2,251,806; Aug. 5.
Resistant materials, Manufacture of. R. W. Moncrieff and A. Richmond. 2,251,288; Aug. 5.
Resistors, Manufacturing semiconducting. W. Lehfeldt and H. Lueder. 2,251,745; Aug. 5.

Resonant circuit, High efficiency. W. M. Hanson. 2,251,569; Aug. 5.
Retainer for bed coverings and the like. J. A. Goodhart and V. C. Helberg. 2,251,331; Aug. 5.
Ribbon forming machine. J. D. Huizeng. 2,251,282; Aug. 5.
Riveting tool. E. and J. E. Becker. 2,251,389; Aug. 5.
Road vehicle construction. C. D. Willson. 2,251,698; Aug. 5.
Rock drill. J. C. Curtis. 2,251,269; Aug. 5.
Roller bearing, Frictionless. N. H. Schermer. 2,251,555; Aug. 5.
Roller bearing, particularly for aircraft shock absorbers. J. H. Onions. 2,251,714; Aug. 5.
Roof truss. A. Rietzke. 2,251,578; Aug. 5.
Rotary toolholder. E. W. Stacey. 2,251,470; Aug. 5.
Rubber, Softened. W. F. Busse and E. N. Cunningham. 2,251,394; Aug. 5.
Rubber thread or tubing and making same. S. W. Alderfer. 2,251,650; Aug. 5.
Rubbing machine. G. H. Ekstrom. 2,251,329; Aug. 5.
Safety attachment for trailer couplings. A. da C. Botelho. 2,251,656; Aug. 5.
Safety device. C. A. Rising and J. D. MacKnight. 2,251,896; Aug. 5.
Salts of oxidized petroleum acids, Preparation of. R. E. Burk and E. C. Hughes. 2,251,819; Aug. 5.
Scraper. H. H. Washbond. 2,251,307; Aug. 5.
Scraper, Carrier. A. D. McCollum. 2,251,338; Aug. 5.
Scraper, Tilting road. F. H. Hirst. 2,251,452; Aug. 5.
Screen. T. J. O'Donnell. 2,251,415; Aug. 5.
Script writer. R. E. Perry. 2,251,616; Aug. 5.
Scroll and case. F. D. Rugg. 2,251,579; Aug. 5.
Seal for canned goods, Safety. S. F. Triplett. 2,251,345; Aug. 5.
Seal, Wheel bearing. M. Schantz and E. H. Schwenn. 2,251,760; Aug. 5.
Sealing strips, labels, or the like, to carton ends, Applying. C. W. Hartmann. 2,251,884; Aug. 5.
Shackle, Spring. W. L. Jones. 2,251,843; Aug. 5.
Sharpener, Tool. A. B. Mawle. 2,251,849; Aug. 5.
Shears. C. J. Dalley. 2,251,548; Aug. 5.
Sheet, Flexible. C. Ehret. 2,251,328; Aug. 5.
Shelf. F. M. Johnson. 2,251,737; Aug. 5.
Shelf bracket. R. S. Sanford. 2,251,638; Aug. 5.
Shelf, Refrigerator. A. E. Nave. 2,251,799; Aug. 5.
Shoe clamping press. R. Abbratozzato. 2,251,815; Aug. 5.
Shoe drum brake, Internal. F. G. Parnell and L. C. Chouings. 2,251,854; Aug. 5.
Shoe sole, Rubber. W. L. Smith. 2,251,468; Aug. 5.
Shortening stabilization. D. P. Grettie. 2,251,485; Aug. 5.
Siding and roofing, Composite. F. W. Adams. 2,251,622; Aug. 5.
Sign. S. White. 2,251,386; Aug. 5.
Signal: *See*—
Traffic signal.
Signals electrically, Recording. B. L. Kline. 2,251,742; Aug. 5.
Signaling apparatus, Telephone. T. C. Riebe. 2,251,635; Aug. 5.
Signaling device. J. E. McIlhon. 2,251,364; Aug. 5.
Silencer. C. C. Moss. 2,251,369; Aug. 5.
Silicate solutions, Manufacture of alkali metal. D. B. Curll, Jr. 2,251,515; Aug. 5.
Silo and construction, Temporary. H. C. Smith. 2,251,502; Aug. 5.
Sink hanger. B. Brown. 2,251,657; Aug. 5.
Skid assembly. I. H. Judd and W. E. Baker. 2,251,358; Aug. 5.
Slow opening valve. A. Rogers and H. K. Wheeler. 2,251,618; Aug. 5.
Smoking pipe. R. J. Bergeron. 2,251,654; Aug. 5.
Soldering tool. L. A. Weston. 2,251,557; Aug. 5.
Solenoid, Pusher-type. C. V. Losey. 2,251,747; Aug. 5.
Solvents, Recovering selective. H. van der Waerden. 2,251,474; Aug. 5.
Sorting device. T. M. Johnson. 2,251,408; Aug. 5.
Sound amplification method and device. H. K. Neuber. 2,251,546; Aug. 5.
Spacing mechanism for machine tools. L. L. Schauer. 2,251,761; Aug. 5.
Speed drive, Variable. D. R. Hucke. 2,251,488; Aug. 5.
Speed regulator, Automatic. R. T. Walker. 2,251,475; Aug. 5.
Speed system, Change. J. W. Hale. 2,251,625; Aug. 5.
Speedometer. E. G. Crofoot and F. J. Lutz. 2,251,623; Aug. 5.
Spinning apparatus. S. Akaboshi. 2,251,879; Aug. 5.
Spout. C. E. Pope. 2,251,601; Aug. 5.
Sprayer, Paint. R. Lee. 2,251,457; Aug. 5.
Spring and making same. G. H. Parker. 2,251,416; Aug. 5.
Spring clip. E. Kurath and J. F. Campbell. 2,251,744; Aug. 5.
Springs, Making torsion. G. H. Parker. 2,251,417; Aug. 5.
Sprinkler, Lawn and garden. B. S. Watling. 2,251,812; Aug. 5.
Stand: *See*—
Bicycle stand.
Staple driving machine. F. Polzer, L. L. Wheeler, and R. E. Peterson. 2,251,833; Aug. 5.
Starch making process. F. O. Giesecke. 2,251,448; Aug. 5.
Steam generating system. F. S. Thomas. 2,251,383; Aug. 5.
Steam generator. F. Holzknecht. 2,251,280; Aug. 5.
Steel, Annealing. P. Payson. 2,251,289; Aug. 5.
Stemer, Raisin. W. K. Hines and T. W. W. Forrest. 2,251,542; Aug. 5.
Stencil, Sandblast. A. J. Wartha. 2,251,646; Aug. 5.
Stencil, Sandblasting. A. J. Wartha. 2,251,647; Aug. 5.
Step-by-step mechanism. R. L. Trimble. 2,251,645; Aug. 5.
Stick mechanism for looms, Parallel motion picker. H. A. Davis. 2,251,401; Aug. 5.
Stock watering device. F. C. Veith. 2,251,507; Aug. 5.
Stoker. W. T. Hanna. 2,251,430; Aug. 5.
Stop mechanism for sewing machines. J. Moser. 2,251,368; Aug. 5.
Storage and dispensing apparatus. W. J. Gibbs. 2,251,874–5; Aug. 5.
Storage pile and producing same. W. T. Brown. 2,251,321; Aug. 5.
Strand handling apparatus. L. O. Reichelt. 2,251,291; Aug. 5.
Strip material, Fastening. R. S. Colley. 2,251,400; Aug. 5.
Striping instrument. A. J. Tegethoff. 2,251,431; Aug. 5.
Stud driver, Automatic. C. A. Lozen. 2,251,491; Aug. 5.
Suction cleaner. V. S. Belpedio. 2,251,562; Aug. 5.
Suction cleaner. C. L. Shank. 2,251,294; Aug. 5.
Suction cleaner. D. G. Smellie. 2,251,899; Aug. 5.
Sunglass, Variable density. M. N. Fairbank. 2,251,330; Aug. 5.
Sunshade, Operating and locking. E. L. and F. P. Reed. 2,251,375; Aug. 5.
Supercalendering process. W. J. Montgomery. 2,251,890; Aug. 5.
Support: *See*—
Drill support.
Support for coin controlled machines. J. P. Paca. 2,251,597; Aug. 5.
Support for flexible couplings, Emergency. B. E. Thomas. 2,251,722; Aug. 5.
Support for high frequency concentric conductors. E. D. Thorne. 2,251,530; Aug. 5.
Suspension mechanism. C. C. Jackson. 2,251,453; Aug. 5.
Sweeper, Carpet. J. W. Scott and F. W. Pullen. 2,251,467; Aug. 5.
Switch: *See*—
Break switch. Time switch.
Electric switch.
Switch. P. S. Bear. 2,251,315; Aug. 5.
Switch. P. S. Bear and G. E. Spates. 2,251,316; Aug. 5.
Switch mechanism. J. M. O'Malley. 2,251,596; Aug. 5.
Swivel chair structure. W. F. Herold. 2,251,841; Aug. 5.
Syringe and ampoule. A. E. Smith. 2,251,527; Aug. 5.
Syringe ampoule. A. E. Smith. 2,251,501; Aug. 5.
System for supplying feed water to boilers. J. W. Schmid. 2,251,426; Aug. 5.
Table top. P. D. Campbell. 2,251,395; Aug. 5.
Tape controlling means for news projecting machines. J. W. Decker. 2,251,272; Aug. 5.
Target, Baseball. J. P. Tarbox. 2,251,305; Aug. 5.
Telegraphone. F. G. Buhrendorf. 2,251,322; Aug. 5.
Telegraphone and like apparatus. J. Star. 2,251,300; Aug. 5.
Telephone system. K. Sobotta and H. J. Lurk. 2,251,301; Aug. 5.
Telephone system. E. Vroom. 2,251,346; Aug. 5.
Television projector. E. D. Cook. 2,251,608; Aug. 5.
Television system. R. S. Holmes. 2,251,677; Aug. 5.
Television system, Secret. A. H. Rosenthal. 2,251,525; Aug. 5.
Temperature, humidity, ventilation, and gas content in warehouses, Controlling. G. B. Pirnie. 2,251,617; Aug. 5.
Terminal, High frequency. G. L. Usselman. 2,251,534; Aug. 5.
Tester, High pressure inner-tube. H. D. Kantner. 2,251,359; Aug. 5.
Tester, Surface smoothness. H. Kott. 2,251,613; Aug. 5.
Tester, Tire. E. W. Pummill. 2,251,803; Aug. 5.
Tetrahydrofurane from 1,4-butylene glycol, Production of. W. Reppe and H.-G. Trieschmann. 2,251,835; Aug. 5.
Tetrahydrofuranes, Production of. W. Reppe. 2,251,292; Aug. 5.
Tetrahydrofuranes, Production of. W. Reppe, O. Hecht, and A. Steinhofer. 2,251,895; Aug. 5.
Textile machinery. J. R. Wylde and W. Williams. 2,251,311; Aug. 5.
Theft prevention apparatus. H. R. A. Goleby. 2,251,735; Aug. 5.
Thermostatic heating plug. R. A. Siegler. 2,251,556; Aug. 5.
Thread protector. A. B. Severn. 2,251,897; Aug. 5.
Thread wiper for sewing machines. H. Gunther. 2,251,676; Aug. 5.
Tie back bracket, Curtain. W. E. Bush and L. W. Everhardt. 2,251,512; Aug. 5.
Tie for boxes, bales, and the like. R. L. Drew. 2,251,402; Aug. 5.
Tile, Ceiling. C. G. Duffy, Jr. 2,251,840; Aug. 5.

Time switch. E. F. Swensen. 2,251,429; Aug. 5.
Time switch, Electric. R. L. Morgan. 2,251,852; Aug. 5.
Tipping vehicle. W. C. Anthony. 2,251,435; Aug. 5.
Tire chain. J. W. Sailler. 2,251,424; Aug. 5.
Tobacco handling device. E. G. Daniels. 2,251,731; Aug. 5.
Tobacco pipe. W. Munzer. 2,251,545; Aug. 5.
Toilet seat cover, Sanitary. L. M. Earle. 2,251,732; Aug. 5.
Tongs, Comb frame lifting. E. G. Sterling. 2,251,529; Aug. 5.
Tool: *See*—
Exterminating tool. Soldering tool.
Lasting tool. Riveting tool.
Toothbrush. A. J. Pandiyan. 2,251,853; Aug. 5.
Tooth point. C. C. Hosmer and E. L. Launder. 2,251,487; Aug. 5.
Towel dispensing cabinet. R. G. Birr and A. C. Grunwald. 2,251,818; Aug. 5.
Tower, Cooling. S. C. Coey. 2,251,261; Aug. 5.
Traffic controlling apparatus, Railway. J. M. Pelikan. 2,251,689; Aug. 5.
Traffic signal. T. E. Steiber. 2,251,504; Aug. 5.
Transformer, High tension. B. Olsson. 2,251,373; Aug. 5.
Transmission and control mechanism, Machine tool. W. I. Senger. 2,251,619; Aug. 5.
Transmission, Hydraulic variable speed. B. Luttbeg. 2,251,848; Aug. 5.
Transmission mechanism, Power. O. C. Patterson. 2,251,523; Aug. 5.
Transmission, Synchronizing free wheel. C. F. Rauen. 2,251,342; Aug. 5.
Trap: *See*—
Animal trap.
Tray, Ice. J. H. Miner. 2,251,461; Aug. 5.
Tray, Freezing. H. D. Geyer. 2,251,827; Aug. 5.
Tray, Freezing. L. D. Kelly. 2,251,628; Aug. 5.
Treadle process. B. Cooper. 2,251,351; Aug. 5.
Trimming and/or cutting mechanism. C. M. Yoder. 2,251,312; Aug. 5.
Trousers rectifier. H. H. Stiefel. 2,251,837; Aug. 5.
Truck body, Removable. E. J. Dondlinger. 2,251,839; Aug. 5.
Truck, Lifting. W. M. Wobbe. 2,251,606; Aug. 5.
Tube: *See*—
Electronic tube. Relay tube.
Photoelectric tube.
Tube coupling. A. L. Parker. 2,251,715; Aug. 5.
Tubing, Manufacture of heat exchange. E. F. Tilley. 2,251,642; Aug. 5.
Tuning dial. E. E. Kohls and G. S. Thompson. 2,251,612; Aug. 5.
Tuning system, Preselection. P. F. G. Holst. 2,251,794; Aug. 5.
Tuning unit for radio receivers. A. B. Winchell. 2,251,476; Aug. 5.
Typewriter, Automatic feed. J. L. Kellerman. 2,251,456; Aug. 5.
Undergarments, Supporter in. S. Wald. 2,251,769; Aug. 5.
Valve: *See*—
Control valve. Pressure relief valve.
Dry pipe valve. Slow opening valve.
Flush valve.
Valve. A. Carrillo. 2,251,514; Aug. 5.
Valve. E. J. Dillman. 2,251,441; Aug. 5.
Valve. E. E. Neal. 2,251,414; Aug. 5.
Valve control. E. J. Panish. 2,251,633; Aug. 5.
Valve control mechanism, Throttle. R. F. Bracke. 2,251,350; Aug. 5.
Valve stem and handle. E. H. Mueller. 2,251,462; Aug. 5.
Variable leverage brake. A. G. H. Carlbom. 2,251,267; Aug. 5.
Varnish, Making dipolymer. I. Pöckel. 2,251,802; Aug. 5.
Vehicle: *See*—
Dual wheel vehicle. Tipping vehicle.
Passenger vehicle.
Vehicle and steering caster therefor, Wheeled. H. P. Gauld and H. D. Ralston. 2,251,567; Aug. 5.
Vehicle brake mechanism. H. van der Hof. 2,251,379; Aug. 5.
Vehicle wheel. J. W. Pattison. 2,251,754; Aug. 5.
Ventilating construction. H. H. Darbo. 2,251,663; Aug. 5.
Ventilating construction. R. L. Leadbetter. 2,251,682; Aug. 5.
Ventilator. J. P. Burke. 2,251,511; Aug. 5.
Ventilator, Crankcase. O. Vittum. 2,251,860; Aug. 5.
Vibratory motor. R. S. Prescott. 2,251,419; Aug. 5.
Vise, Safety hand. L. W. Caldwell. 2,251,730; Aug. 5.
Volume control for electrical signals. W. H. Mayne. 2,251,594; Aug. 5.
Wahbler engine. W. Hulsebos. 2,251,543; Aug. 5.
Wall construction. J. L. Finck. 2,251,585; Aug. 5.
Washer: *See*—
Clamping washer.
Washer and silt grader, Gravel. A. Halvorson. 2,251,449; Aug. 5.
Water heater. W. F. Metzgar. 2,251,411; Aug. 5.
Wave-signal receiver including duplex frequency-changer stages. N. P. Case. 2,251,397; Aug. 5.
Wax modifying agents, Producing. E. Lieber. 2,251,550; Aug. 5.
Wear-testing fabric and other materials. E. F. Hathaway and W. Bixby. 2,251,681; Aug. 5.
Weather strip, Metallic. R. A. Phillips. 2,251,524; Aug. 5.
Welding installation, Electric resistance. G. Hagedorn. 2,251,877; Aug. 5.
Well surveying. B. S. Smith. 2,251,900; Aug. 5.
Wetting and detergent composition. R. C. Swain. 2,251,768; Aug. 5.
Wheel: *See*—
Buffing wheel. Vehicle wheel.
Resilient wheel.
Wheel for vehicles, Two-part. J. T. A. Williams. 2,251,310; Aug. 5.
Winch tool for well drills, Multiuse. G. R. Watson. 2,251,309; Aug. 5.
Window glass set. T. Nyberg. 2,251,522; Aug. 5.
Wires to sleeves, Connecting. C. H. Klein. 2,251,709; Aug. 5.
Wrapping device. H. Forst and E. M. Norton. 2,251,670; Aug. 5.
X-ray tubes, Testing. L. F. Black. 2,251,265; Aug. 5.
Zinc chromate. R. W. Leisy. 2,251,846; Aug. 5.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 5, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— .3: 2,251,833
2— 21: 2,251,551
24: 2,251,362
131: 2,251,758
233: 2,251,837
253: 2,251,576
4— 36: 2,251,357
170: 2,251,657
243: 2,251,732
251: 2,251,770
256: 2,251,590
5— 62: 2,251,797
130: 2,251,299
6— 12: 2,251,529
8— 17: 2,251,486
115.5: 2,251,508
9— 2: 2,251,621
10— 119: 2,251,336
12— 2: 2,251,285
7: 2,251,284
33: 2,251,815
66: 2,251,425
110: 2,251,396
13— 31: 2,251,380
15— 26: 2,251,294
2,251,562
2,251,899
119: 2,251,384
160: 2,251,327
2,251,626
2,251,767
165: 2,251,497
176: 2,251,853
2,251,857
16— 35: 2,251,507
131: 2,251,865
136: 2,251,482
18— 8: 2,251,886
42: 2,251,858
47.5: 2,251,661
56: 2,251,477
58: 2,251,785
59: 2,251,351
19— 4: 2,251,438
20— 5: 2,251,622
56.4: 2,251,522
69: 2,251,524
22— 188: 2,251,610
23— 56: 2,251,846
216: 2,251,353
311: 2,251,515
24— 38: 2,251,400
72.5: 2,251,331
73: 2,251,644
123: 2,251,319
250: 2,251,800
259: 2,251,744
265: 2,251,463
25— 41: 2,251,447
131: 2,251,775
154: 2,251,824
156: 2,251,454
2,251,687
29— 14: 2,251,341
28: 2,251,863
33: 2,251,434
2,251,642
119.5: 2,251,417
155: 2,251,709
155.54: 2,251,326
189: 2,251,410
30— 43: 2,251,455
2,251,577
45: 2,251,620
59: 2,251,652
149: 2,251,842
246: 2,251,867
268: 2,251,548
303: 2,251,587
31— 20: 2,251,844
32— 17: 2,251,749
33— 2: 2,251,866
174: 2,251,339
207: 2,251,640
34— 15: 2,251,617
35— 14: 2,251,902
36— 32: 2,251,468
37— 126: 2,251,338
133: 2,251,307
142: 2,251,487
156: 2,251,452
190: 2,251,583
39— 63: 2,251,699
40— 10: 2,251,762
16: 2,251,439
130: 2,251,386
132: 2,251,861
41— 6: 2,251,509
39: 2,251,646
2,251,647
43— 42: 2,251,593
50: 2,251,721
121: 2,251,260
44— 1: 2,251,321
46— 220: 2,251,599
47— 6: 2,251,263
28: 2,251,624
61: Pl.Pt.480
48— 180: 2,251,371
2,251,636
213: 2,251,795
49— 1: 2,251,727
37: 2,251,847
79: 2,251,726
50— 23: 2,251,831
51— 34: 2,251,607
101: 2,251,882
166: 2,251,702
177: 2,251,442
193: 2,251,690
208: 2,251,849
237: 2,251,885
298: 2,251,437
53— 1: 2,251,600
55— 83: 2,251,500
2,251,788
56— 21: 2,251,655
25: 2,251,377
2,251,378
26.5: 2,251,637
100: 2,251,581
57— 59: 2,251,311
66: 2,251,879
60— 52: 2,251,274
2,251,664
97: 2,251,388
62— 4: 2,251,503
2,251,658
2,251,891
7: 2,251,736
102: 2,251,725
108.5: 2,251,460
2,251,461
2,251,628
2,251,827
119.5: 2,251,314
2,251,746
140: 2,251,649
2,251,705
2,251,706
64— 11: 2,251,804
65— 31: 2,251,392
66— 1: 2,251,533
9: 2,251,532
83: 2,251,805
172: 2,251,531
2,251,811
178: 2,251,268
68— 3: 2,251,564
72— 19: 2,251,840
48: 2,251,499
73— 51: 2,251,359
2,251,681
2,251,751
2,251,803
151: 2,251,352
182: 2,251,498
74— 10: 2,251,476
2,251,612
11: 2,251,523
57: 2,251,808
127: 2,251,364
136: 2,251,856
230.17: 2,251,488
260: 2,251,625
262: 2,251,464
293: 2,251,848
342: 2,251,707
407: 2,251,633
503: 2,251,893
75— 60: 2,251,303
123: 2,251,356
168: 2,251,266
77— 28: 2,251,761
59: 2,251,701
78— 51: 2,251,389
80— 24: 2,251,821
32: 2,251,493
81— 18: 2,251,730
112: 2,251,491
82— 22: 2,251,619
84— 320: 2,251,472
85— 1: 2,251,495
36: 2,251,643
2,251,723
88— 14: 2,251,613
2,251,739
16.6: 2,251,850
17: 2,251,704
18.7: 2,251,793
24: 2,251,335
2,251,570
41: 2,251,330
86: 2,251,325
89— 2: 2,251,304
90— 55: 2,251,834
91— 12: 2,251,719
43: 2,251,264
62.6: 2,251,431
68: 2,251,270
2,251,273
2,251,295
2,251,296
2,251,752
92— 49: 2,251,492
76: 2,251,890
93— 2: 2,251,670
2,251,671
53: 2,251,833
94— 24: 2,251,672
95— 2: 2,251,365
7: 2,251,777
64: 2,251,473
98— 2: 2,251,511
13: 2,251,660
2,251,663
2,251,682
39: 2,251,764
99— 107: 2,251,801
113: 2,251,684
116: 2,251,496
163: 2,251,485
192: 2,251,345
100— 49: 2,251,859
101— 97: 2,251,354
102— 4: 2,251,712
103— 41: 2,251,552
103— 41: 2,251,783
46: 2,251,290
2,251,868
104: 2,251,807
232: 2,251,421
105—132.1: 2,251,258
106— 265: 2,251,802
296: 2,251,869
2,251,870
2,251,871
2,251,872
300: 2,251,829
310: 2,251,798
2,251,819
2,251,888
107— 8: 2,251,333
108— 23: 2,251,578
112— 104: 2,251,676
219: 2,251,368
113— 42: 2,251,433
72: 2,251,517
117— 77: 2,251,507
121— 3: 2,251,329
2,251,269
7: 2,251,729
41: 2,251,729
46: 2,251,293
164: 2,251,323
122— 7: 2,251,420
26: 2,251,344
115: 2,251,280
228: 2,251,589
414: 2,251,426
448: 2,251,383
123— 52: 2,251,604
61: 2,251,662
119: 2,251,860
124— 11: 2,251,836
16: 2,251,669
126— 293: 2,251,822
127— 68: 2,251,448
128— 159: 2,251,769
218: 2,251,527
272: 2,251,501
129— 1: 2,251,343
10: 2,251,878
17: 2,251,614
131— 84: 2,251,518
195: 2,251,545
203: 2,251,654
132— 33: 2,251,478
133— 2: 2,251,755
136— 26: 2,251,399
137— 53: 2,251,275
139: 2,251,320
2,251 441
2,251,618
153: 2,251,481
138— 96: 2,251,897
139— 150: 2,251,401
191: 2,251,337
140— 92.2: 2,251,776
146— 55: 2,251,542
148— 21.5: 2,251,289
150— 28: 2,251,412
151— 32: 2,251,560
152— 237: 2,251,424
415: 2,251,713
153— 2: 2,251,741
2,251,810
58: 2,251,901
154— 8: 2,251,650
9: 2,251,634
30: 2,251,513
43: 2,251,402
45: 2,251,585
49: 2,251,372
155— 93: 2,251,841
123: 2,251,544
179: 2,251,318
156— 14: 2,251,415
156— 15: 2,251,572
17: 2,251,363
22: 2,251,864
33: 2,251,512
158— 104: 2,251,710
116: 2,251,711
159— 45: 2,251,317
164— 10.6: 2,251,312
29: 2,251,432
60: 2,251,313
65: 2,251,282
166— 21: 2,251,393
169— 17: 2,251,422
170— 159: 2,251,887
2,251,888
172— 36: 2,251,505
120: 2,251,816
126: 2,251,419
278: 2,251,673
2,251,674
173— 244: 2,251,826
334.1: 2,251,403
2,251,404
174— 116: 2,251,262
121: 2,251,355
122: 2,251,534
175— 41: 2,251,540
182: 2,251,537
2,251,549
2,251,900
183: 2,251,641
320: 2,251,494
341: 2,251,747
2,251,750
358: 2,251,373
363: 2,251,484
177— 7: 2,251,546
2,251,635
311: 2,251,794
2,251,825
311.5: 2,251,623
314: 2,251,735
337: 2,251,504
380: 2,251,666
178— 6.6: 2,251,828
6.7: 2,251,786
6.8: 2,251,525
7.2: 2,251,608
7.5: 2,251,677
7.7: 2,251,573
42: 2,251,272
44: 2,251,276
179— 6.31: 2,251,301
7.1: 2,251,346
77: 2,251,302
100.2: 2,251,300
2,251,322
100.3: 2,251,665
171: 2,251,594
2,251,629
181— 0.5: 2,251,817
48: 2,251,369
2,251,880
183— 7: 2,251,451
15: 2,251,789
2,251,790
188— 18: 2,251,539
78: 2,251,854
79.5: 2,251,379
153: 2,251,668
162: 2,251,521
198: 2,251,267
189— 3: 2,251,502
35: 2,251,733
192— .01: 2,251,350
2,251,516
4: 2,251,787
8: 2,251,466
48: 2,251,342
54: 2,251,588
68: 2,251,366
2,251,367
75: 2,251,862
88: 2,251,443
2,251,444
2,251,445
99: 2,251,349
105: 2,251,598
143: 2,251,756
193— 39: 2,251,596
194— 16: 2,251,407
72: 2,251,645
196— 10: 2,251,571
2,251,580
13: 2,251,474
2,251,773
197— 1: 2,251,616
126: 2,251,456
198— 121: 2,251,667
168: 2,251,832
213: 2,251,450
220: 2,251,586
200— 19: 2,251,387
32: 2,251,385
35: 2,251,852
39: 2,251,429
56: 2,251,475
60: 2,251,561
81: 2,251,896
82: 2,251,648
83: 2,251,830
86: 2,251,700
88: 2,251,703
113: 2,251,278
2,251,568
117: 2,251,471
119: 2,251,409
152: 2,251,315
2,251,316
201— 76: 2,251,745
202— 40: 2,251,771
248: 2,251,541
204— 2: 2,251,742
192: 2,251,510
206— 2: 2,251,288
16: 2,251,753
42: 2,251,405
52: 2,251,823
65: 2,251,609
209— 247: 2,251,678
211— 64: 2,251,271
130: 2,251,814
131: 2,251,740
147: 2,251,799
184: 2,251,408
213— 221: 2,251,347
214— 65.4: 2,251,591
77: 2,251,435
85: 2,251,358
148: 2,251,731
215— 52: 2,251,563
73: 2,251,446
216— 25: 2,251,884
219— 8: 2,251,324
2,251,779
24: 2,251,480
27: 2,251,557
32: Re.21,870
2,251,611
35: 2,251,582
39: 2,251,411
40: 2,251,556
46: 2,251,697

219—	47:	2,251,277	237—	12.3:	2,251,370	250—	65:	2,251,265	260—	101:	2,251,806
220—	1.5:	2,251,281	238—	315:	2,251,685		169:	2,251,653		112:	2,251,334
221—	23:	2,251,601	242—	55:	2,251,772	251—	2:	2,251,414		152:	2,251,813
	47.1:	2,251,675		84.5:	2,251,782		10:	2,251,514		240:	2,251,286
	60:	2,251,574		107:	2,251,579	252—	42:	2,251,528		274:	2,251,866
	95:	2,251,340		142:	2,251,791		47:	2,251,526		284:	2,251,526
	108:	2,251,374	244—	78:	2,251,279		54:	2,251,738		302:	2,251,459
223—	95:	2,251,894		134:	2,251,430		55:	2,251,550		338:	2,251,287
226—	48:	2,251,659	246—	8:	2,251,575		59:	2,251,774		345:	2,251,292
229—	5.5:	2,251,808		26:	2,251,689		91:	2,251,328			2,251,835
	16:	2,251,565	248—	26:	2,251,398		152:	2,251,768			2,251,895
	31:	2,251,627		176:	2,251,597		170:	2,251,691		354:	2,251,558
	37:	2,251,283		198:	2,251,605			2,251,694		363:	2,251,559
		2,251,361		241:	2,251,638		181:	2,251,748		371:	2,251,688
	51:	2,251,458		243:	Re.21,871	254—	10:	2,251,606		410:	2,251,695
	85:	2,251,391		286:	2,251,592		45:	2,251,839		411:	2,251,692
230—	2:	2,251,490		293:	2,251,348		95:	2,251,308			2,251,693
	111:	2,251,423	250—	11:	2,251,708		98:	2,251,427		431:	2,251,778
	117:	2,251,553		20:	2,251,382			2,251,759		449:	2,251,554
	152:	2,251,784			2,251,397		135:	2,251,291		473:	2,251,547
233—	28:	2,251,449		27:	2,251,332		173:	2,251,595		485:	2,251,765
234—	17:	2,251,632			2,251,569	255—	3:	2,251,309		512:	2,251,536
235—	61.12:	2,251,728			2,251,763		19:	2,251,506		513:	2,251,892
	79:	2,251,520			2,251,851		72:	2,251,679		520:	2,251,743
	144:	2,251,792		33:	2,251,418	257—	3:	2,251,376		761:	2,251,394
236—	1:	2,251,881			2,251,530		54:	2,251,261	261—	73:	2,251,734
	45:	2,251,440			2,251,889	260—	2:	2,251,519		121:	2,251,796
	74:	2,251,535		36:	2,251,877		22:	2,251,297	262—	33:	2,251,406
	91:	2,251,483		41.5:	2,251,306			2,251,298	265—	24:	2,251,615

267—	21:	2,251,416	290—	1:	2,251,722						
		2,251,453		38:	2,251,630						
	54:	2,251,843	294—	20:	2,251,855						
268—	96:	2,251,375	295—	11:	2,251,809						
271—	37:	2,251,479	299—	63:	2,251,457						
272—	66:	2,251,766		129:	2,251,812						
273—	90:	2,251,724	301—	6:	2,251,538						
	102.1:	2,251,757		9:	2,251,310						
	102.2:	2,251,305		108:	2,251,754						
	152:	2,251,781	306—	11:	2,251,467						
274—	10:	2,251,381	308—	4:	2,251,428						
	17:	2,251,603		79.1:	2,251,720						
	21:	2,251,680		132:	2,251,465						
279—	6:	2,251,413		135:	2,251,543						
280—	33:	2,251,584		152:	2,251,390						
	33.44:	2,251,656		169:	2,251,469						
	124:	2,251,360		187.1:	2,251,760						
		2,251,698		215:	2,251,555						
	302:	2,251,639			2,251,714						
281—	1:	2,251,845	309—	1:	2,251,259						
	33:	2,251,780		12:	2,251,606						
285—	86:	2,251,715	311—	18:	2,251,737						
		2,251,718		107:	2,251,395						
	123:	2,251,716	312—	38:	2,251,818						
		2,251,717		71:	2,251,873						
	172:	2,251,651			2,251,874						
287—	20.2:	2,251,820			2,251,875						
	53:	2,251,462			2,251,876						
		2,251,470		78:	2,251,489						

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,251,278:	200—	113	2,251,437:	51—	298	2,251,568:	200—	113	2,251,654:	131—	203
2,251,287:	260—	338	2,251,465:	308—	132	2,251,573:	178—	7.7	2,251,660:	98—	13
2,251,288:	206—	2	2,251,490:	230—	2	2,251,586:	198—	220	2,251,682:	98—	13
2,251,289:	148—	21.5	2,251,508:	8—	115.5	2,251,593:	43—	42	2,251,691:	252—	170
2,251,328:	252—	91	2,251,515:	23—	311	2,251,606:	254—	10	2,251,694:	252—	170
2,251,361:	229—	37	2,251,525:	178—	6.8	2,251,608:	178—	7.2	2,251,699:	39—	63
2,251,390:	308—	152	2,251,530:	250—	33	2,251,617:	34—	15	2,251,705:	62—	140
2,251,407:	194—	16	2,251,553:	230—	117	2,251,620:	30—	45	2,251,709:	29—	155
2,251,408:	211—	184	2,251,563:	215—	52	2,251,632:	234—	17	2,251,722:	290—	1
2,251,414:	251—	2	2,251,565:	229—	16	2,251,652:	30—	59	2,251,731:	214—	148

2,251,734:	261—	73	2,251,806:	260—	101
2,251,736:	62—	7	2,251,820:	287—	20.2
2,251,737:	311—	18	2,251,823:	206—	52
2,251,739:	88—	14	2,251,836:	124—	11
2,251,760:	308—	187.1	2,251,859:	100—	49
2,251,761:	77—	28	2,251,869:	106—	296
2,251,767:	15—	160	2,251,892:	260—	513
2,251,768:	252—	152			
2,251,797:	5—	62			
2,251,802:	106—	265			

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Alexander, Bertha, doing business as Alexander Doll Company, New York, N. Y. Dolls. Serial No. 444,850; Aug. 12. Class 22.

All-American Comics, Inc., New York, N. Y. Magazine publication. Serial No. 444,484; Aug. 12. Class 38.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Carpet sweepers. Serial No. 442,249; Aug. 12. Class 23.

American Bleached Goods Company, Inc., New York, N. Y. Cotton goods in the piece. Serial No. 444,393; Aug. 12. Class 42.

American Decalcomania Co., Inc., Chicago, Ill. Decalcomanias. Serial No. 432,371; Aug. 12. Class 38.

American Piano Corporation, New York, N. Y. Pianos. Serial No. 444,371; Aug. 12. Class 36.

Anchor Packing Company, The, Philadelphia, Pa. Machinery packing. Serial No. 445,032; Aug. 12. Class 35.

Angevine, Walter K., Washington, D. C. Insecticide specially processed to allay irritation in the treatment of pediculosis, scabies, etc. Serial No. 443,831; Aug. 12. Class 6.

Appel, Robert, New York, N. Y. Handbags. Serial No. 445,004; Aug. 12. Class 3.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Toilet soaps. Serial No. 444,785; Aug. 12. Class 4.

Athenson & Passin, Inc., New York, N. Y. Fur coats. Serial No. 444,171; Aug. 12. Class 39.

Atkinson Milling Company, doing business as Cor-O-Wheat Company, Minneapolis, Minn. Wheat germ. Serial No. 434,305; Aug. 12. Class 46.

Atlantic Refining Company, The, Philadelphia, Pa. Burnout games. Serial Nos. 442,821–2; Aug. 12. Class 22.

Atlantic Refining Company, The, Philadelphia, Pa. Cleaner for automobile bodies. Serial No. 443,969; Aug. 12. Class 4.

Atlas Powder Company, Wilmington, Del. Coated fabrics. Serial Nos. 443,624–5; Aug. 12. Class 50.

Atlas Powder Company, Wilmington, Del. Emulsifying, wetting, and dispensing agents. Serial No. 444,591; Aug. 12. Class 6.

Averill, George G., doing business as Geo. G. Averill, San Pedro and Holtville, Calif. Fresh vegetables and melons. Serial No. 444,064; Aug. 12. Class 46.

Badger Paper Mills, Inc., Peshtigo, Wis. Paper. Serial No. 443,709; Aug. 12. Class 37.

Bankston-Edwards Canning Company, Zebulon, Ga. Canned pimientos, canned peaches, canned turnip greens. Serial No. 433,955; Aug. 12. Class 46.

Becker, John A., doing business as Gumputtie Laboratories, Chicago, Ill. Plastic compound. Serial No. 444,212; Aug. 12. Class 12.

Beldoch-Popper Inc., New York, N. Y. Sweaters and sweater ensembles. Serial No. 443,743; Aug. 12. Class 39.

Belnap and Thompson, Inc., Chicago, Ill. Advertising material sold to the trade as such. Serial No. 424,231; Aug. 12. Class 38.

Best Made Silk Hosiery Co., Quakertown, Pa. Hosiery. Serial No. 444,115; Aug. 12. Class 39.

Billups Petroleum Company, Greenwood, Jackson, Clarksdale, Indianola, Belzoni, Columbus, Columbia, Gulfport, Itta Bena, Natchez, Durant, Miss.; and Lake Charles, New Iberia, New Orleans, Jennings, Opelousas, Eunice, Franklin, Alexandria, Amite, Hammond, La.; and Memphis, Tenn. Fuel oil, gasoline oil, gasoline, etc. Serial No. 443,451; Aug. 12. Class 15.

Bloomingdale Bros., Inc., New York, N. Y. Tissue paper and writing paper and envelopes. Serial No. 443,245; Aug. 12. Class 37.

Bon Marche. (See Allied Stores Corporation.)

Bowser, S. F., & Company, Incorporated, Fort Wayne, Ind. Measuring and dispensing apparatus. Serial No. 439,799; Aug. 12. Class 26.

Brown, Robert, doing business as Coffette Co., Long Island City and New York, N. Y. Soap. Serial No. 441,277; Aug. 12. Class 4.

Burnett's Incorporated, Newark, N. J. Grit, gravel, oyster shell, etc. Serial No. 442,688; Aug. 12. Class 1.

Calderon, Victor M., Co. Inc., New York, N. Y. Paprika in its natural state. Serial No. 439,687; Aug. 12. Class 46.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Detergents for washing fruit. Serial No. 438,061; Aug. 12. Class 4.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides, insecticides, animal poisons, and animal repellents. Serial No. 442,408; Aug. 12. Class 6.

Cargill, Incorporated, Minneapolis, Minn. Livestock and poultry feeds. Serial No. 443,478; Aug. 12. Class 46.

Carter, William, Company, The, Needham Heights, Mass. Infant's bedding. Serial No. 443,399; Aug. 12. Class 42.

Caruso, Ignazio, doing business as Caruso Products Company. Wines. Serial No. 441,857; Aug. 12. Class 47.

Celanese Corporation of America, New York, N. Y. Piece goods made wholly or partially of cellulose derivatives. Serial No. 444,253; Aug. 12. Class 42.

Chapman Chinchilla Sales Company, Inglewood, Calif. Chinchillas, the animal and the pelts. Serial Nos. 442,108–9; Aug. 12. Class 1.

Coffette Co. (See Brown, Robert.)

Columbus Dental Manufacturing Company, The, Columbus, Ohio. Dental ceramic materials that are marketed as a complete kit. Serial No. 433,428; Aug. 12. Class 44.

Cor-O-Wheat Company. (See Atkinson Milling Company.)

Corro-Lith Corporation, New York, N. Y. Floor merchandise display bins and containers. Serial No. 443,398; Aug. 12. Class 2.

Covel, Tru A, Sunnylands, Paget East, Islands of Bermuda. Lily bulbs and lily buds. Serial No. 444,071; Aug. 12. Class 1.

Cuban Laboratories. (See Stubblefield, Thomas Eugene.)

De Forest, Lee, Laboratories, Los Angeles, Calif. Ultra short wave and short wave diatherimy devices. Serial Nos. 444,343–4; Aug. 12. Class 44.

De la Luz, Orden C., Tampa, Fla. Publication. Serial No. 444,578; Aug. 12. Class 38.

Douglas, Mary, Inc., New York, N. Y. Sachets and flower packs. Serial No. 440,461; Aug. 12. Class 6.

Dow, Henry J., doing business as Trophy Radio Co., St. Paul, Minn. Radio receiving sets. Serial Nos. 443,406–8; Aug. 12. Class 21.

Elliott, John R., Philadelphia, Pa. Instrument for checking the paces of marching persons. Serial No. 440,323; Aug. 12. Class 26.

Everett, Silas K., New York, N. Y. Piece goods made of rayon and other synthetic fibers. Serial No. 444,639; Aug. 12. Class 42.

Fetsch, F. A., doing business as Santa Monica Flavoring & Extract Co., Los Angeles, Calif. Bottlers' base. Serial No. 444,261; Aug. 12. Class 45.

Flents Products Co. Inc., New York, N. Y. Compressible plug. Serial No. 444,493; Aug. 12. Class 44.

Gallagher Fruit Company, San Jose, Calif. Fresh deciduous fruits. Serial No. 438,876; Aug. 12. Class 46.

General Motors Corporation, Detroit, Mich. Anti-friction bearings and parts thereof. Serial No. 438,800; Aug. 12. Class 23.

General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. Serial No. 445,054; Aug. 12. Class 35.

Gerard Publishing Co., The, New York, N. Y. Periodical. Serial No. 443,600; Aug. 12. Class 38.

Glidden Company, The, Cleveland, Ohio. Publications released from time to time. Serial No. 442,901; Aug. 12. Class 38.

Goldfarb, Samuel J., New York, N. Y. Ladies' dresses and housecoats. Serial No. 443,810; Aug. 12. Class 39.

Gold Seal Importers, Incorporated, New York, N. Y. Hand bags. Serial No. 443,880; Aug. 12. Class 3.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Rubber heels and soles. Serial No. 444,407; Aug. 12. Class 39.

Gorr, Carl, Printing Co., Chicago, Ill. Phonograph records. Serial No. 441,573; Aug. 12. Class 36.

Grove, M. J., Lime Company of Frederick County, The, Lime Kiln, Md. Masonry mortar. Serial No. 444,181; Aug. 12. Class 12.

Gumputtie Laboratories. (See Becker, John A.)

Halowax Corporation, New York, N. Y. Plastic sealing compounds. Serial No. 444,451; Aug. 12. Class 21.

Hartmann Trunk Company, Racine, Wis. Hand luggage cases, hat boxes, overnightcases, etc. Serial No. 445,055; Aug. 12. Class 3.

Harvel Corporation, The, Irvington, N. J. Raw or partially prepared materials made from cashew nut shell liquid. Serial No. 430,278; Aug. 12. Class 1.

Herr, Max, Chicago, Ill. Flourescent electric lamps. Serial No. 442,359; Aug. 12. Class 21.

Hill's Laboratories. (See Mills, Lyle Wayne.)

Industrial Chemical Products Company, Detroit, Mich. Mixtures with an acid. Serial Nos. 442,707–8; Aug. 12. Class 6.

Industrial Undergarment Corporation, Poughkeepsie, N. Y. Slips. Serial No. 442,132; Aug. 12. Class 39.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 441,612; Aug. 12. Class 39.

Kaplan Bros., New York, N. Y. Artificial flowers. Serial No. 431,687; Aug. 12. Class 50.

Kaufman, Otto, Company, Chicago, Ill. Hand tools. Serial No. 441,542; Aug. 12. Class 23.

Krauth & Benninghofen, Hamilton, Ohio. Music stands. Serial No. 443,606; Aug. 12. Class 36.

Lampl Knitwear Company, Cleveland, Ohio. Dresses, blouses, sweaters, etc. Serial No. 444,264; Aug. 12. Class 39.

Lentheric, Incorporated, New York, N. Y. Eau de cologne, after-shave lotion, and scalp stimulant. Serial No. 444,937; Aug. 12. Class 6.

Leona Undergarment Co., Inc., New York, N. Y. Slips. Serial Nos. 444,123–4; Aug. 12. Class 39.

Leona Undergarment Co., Inc., New York, N. Y. Slips. Serial No. 444,188; Aug. 12. Class 39.

Lewin-Mathes Company, East St. Louis, Ill. Metal tubes and tubing. Serial No. 444,345; Aug. 12. Class 13.
Licensee, Inc., Washington, D. C. Periodical publication. Serial No. 443,214; Aug. 12. Class 38.
Lustberg, Nast & Co., Inc., New York, N. Y. Men's and women's outer garments. Serial No. 443,943; Aug. 12. Class 39.
Manhattan Shirt Company, The, New York, N. Y. Articles of wearing apparel for women. Serial No. 444,506; Aug. 12. Class 39.
Matthews, W. N., Corporation, St. Louis, Mo. Lightning protection devices. Serial No. 444,508; Aug. 12. Class 21.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Non-alcoholic, maltless syrup base. Serial No. 443,539; Aug. 12. Class 45.
Merrell, Wm. S., Company, Cincinnati, Ohio. Nonalcoholic maltless imitation vanilla flavored syrup base. Serial No. 443,540; Aug. 12. Class 45.
Michigan Potato Growers' Exchange, Inc., Cadillac, Mich. Potatoes. Serial No. 439,203; Aug. 12. Class 46.
Miller Chemical and Fertilizer Corporation, Baltimore, Md. Water soluble fertilizer. Serial No. 445,015; Aug. 12. Class 10.
Mills, Lyle Wayne, doing business as Hill's Laboratories, Silver Spring, Md. Medicinal preparation. Serial No. 444,196; Aug. 12. Class 6.
Minerals, Inc., Franklin, N. C. Concrete mixtures and plasters. Serial No. 440,828; Aug. 12. Class 12.
Mutual Orange Distributors, Redlands, Calif. Fresh citrus fruit and canned citrus fruit juices for food purposes. Serial No. 442,599; Aug. 12. Class 46.
National Enameling and Stamping Company, Milwaukee, Wis. Electrical roasters, broilers, and cookers. Serial No. 441,104; Aug. 12. Class 21.
National Needlecraft Bureau, New York, N. Y. Publication, a magazine on needlecraft published annually. Serial No. 434,993; Aug. 12. Class 38.
National Powder Extinguisher Corporation, Jersey City, N. J. Fire extinguishing compounds. Serial No. 444,273; Aug. 12. Class 6.
National Ring Traveler Co., Pawtucket, R. I. Travelers for use on spinning and twisting rings. Serial No. 444,466; Aug. 12. Class 23.
Nea Service, Inc., Cleveland, Ohio. Comic drawings. Serial No. 444,602; Aug. 12. Class 38.
No-Pans Washer Co. (See Walker, Edward.)
Old Colony Tar Company, Inc., Sparta, N. J. Road tar. Serial No. 444,158; Aug. 12. Class 12.
Para Manufacturing Co., Inc., Newark, N. J. Shower curtains and matching window drapes. Serial No. 444,607; Aug. 12. Class 13.
Pepperell Manufacturing Company, Boston, Mass. Blankets and piece goods of cotton, wool, artificial silk, and sheets, pillowcases, etc. Serial No. 444,655; Aug. 12. Class 42.
Pepperell Manufacturing Company, Boston, Mass. Blankets. Serial No. 444,714; Aug. 12. Class 42.
Petrolite Corporation, Ltd., St. Louis, Mo. Chemical agent. Serial No. 443,264; Aug. 12. Class 6.
Piper, Peter, Clothes Inc., Philadelphia, Pa. Clothing. Serial No. 440,876; Aug. 12. Class 39.
Procter & Gamble Company, The, Cincinnati, Ohio. Vegetable fat and oil for puff pastry shortening. Serial No. 443,237; Aug. 12. Class 46.
Pyro Clay Products Company, Oak Hill, Ohio. Refractory used in ramming coating and spraying ladles in iron, ladles, etc. Serial No. 443,517; Aug. 12. Class 1.
Ripperger, Henrietta, Brooklyn, N. Y. Section or column appearing in a newspaper or periodical. Serial No. 428,561; Aug. 12. Class 38.
Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Miscellaneous electric coils and electric motors. Serial No. 443,702; Aug. 12. Class 21.
Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Asbestos-cement wall board. Serial No. 444,309; Aug. 12. Class 12.
Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Asphalt shingles. Serial No. 444,312; Aug. 12. Class 12.
Ryerson, Joseph T., & Sons, Inc., Chicago, Ill. Alloy steel. Serial No. 444,230; Aug. 12. Class 14.
Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparation. Serial No. 444,054; Aug. 12. Class 6.
Santa Monica Flavoring & Extract Co. (See Fetsch, F. A.)
Sears, Roebuck and Co., Chicago, Ill. Women's, children's, and infants' underwear. Serial No. 438,091; Aug. 12. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Venetian blinds and slip covers. Serial No. 444,945; Aug. 12. Class 32.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical preparations. Serial No. 444,231; Aug. 12. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Pharmaceutical preparations. Serial No. 444,232; Aug. 12. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for facilitating the interaction of blood constituents, etc. Serial No. 444,233; Aug. 12. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Astringents, analgesics, antiseptics, and ointments, etc. Serial No. 444,234; Aug. 12. Class 6.
Shirley Silk Co., Inc., New York, N. Y. Silk fabrics in the piece. Serial Nos. 444,801–3; Aug. 12. Class 42.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Quilt coverings made of acetate rayon satin. Serial No. 444,743; Aug. 12. Class 42.
South Imperial Valley Growers Co-Operative Association, Inc., El Centro, Calif. Fresh vegetables, fresh deciduous fruits and melons. Serial No. 443,957; Aug. 12. Class 46.
Spaulding-Moss Company, Boston, Mass. Sensitized direct positive paper and cloth, sensitized blue print paper and cloth, etc. Serial No. 442,640; Aug. 12. Class 26.
Spaulding-Moss Company, Boston, Mass. Litho prints. Serial No. 444,102; Aug. 12. Class 38.
Spiewak, I, & Sons, Jersey City, N. J. Sport and work jackets, coats, vests, etc. Serial No. 443,584; Aug 12. Class 39.
Spotswood Specialty Company, Lexington, Ky. Toys simulating lariats. Serial No. 442,806; Aug. 12. Class 22.
Standard Oil Company of Calif., Wilmington, Del., and San Francisco, Calif. Cleaning solvents. Serial No. 444,660; Aug. 12. Class 4.
Standard Milling Company, New York, N. Y. Wheat flour. Serial No. 439,129; Aug. 12. Class 46.
Star Expansion Bolt Company, New York, N. Y. Toggle bolts. Serial No. 443,586; Aug. 12. Class 13.
Stark Bros. Ribbon Corporation, New York, N. Y. Textile ribbons manufactured from silk, rayon, etc. Serial No. 443,863; Aug. 12. Class 42.
Stubb Company, Brooklyn, N. Y. Beard softener and mentholated and medicated brushless shaving cream. Serial No. 442,920; Aug. 12. Class 4.
Stubblefield, Thomas Eugene, doing business as Cuban Laboratories, Los Angeles, Calif. Hair dressing oil and ingredients of hair dressing oils. Serial No. 439,526; Aug. 12. Class 6.
Superior-Lawrence Bag Company, Middletown, Ohio. Paper bags. Serial No. 444,476; Aug. 12. Class 2.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Textile fabrics in the piece. Serial No. 443,350; Aug. 12. Class 50.
Taylor Instrument Companies, Rochester, N. Y. Clinical thermometers, thermometers, barometers, and compasses. Serial No. 443,785; Aug. 12. Class 26.
Taylor Instrument Companies, Rochester, N. Y. Thermometers, barometers, altimeters, etc. Serial No. 443,786; Aug. 12. Class 26.
Transcontinental & Western Air, Inc., North Kansas City, Mo. Ash trays. Serial No. 443,706; Aug. 12. Class 8.
Tri-Valley Packing Association, San Francisco, Calif. Canned fruits and canned vegetables. Serial No. 440,891; Aug. 12. Class 46.
Trophy Radio Co. (See Dow, Henry J.)
Turbine Sewer Machine Company, Milwaukee, Wis. Gaskets. Serial No. 426,914; Aug. 12. Class 35.
20th Century Chemical Company, Camden, N. J. Preparations for cleaning radiators and motor cooling systems, chemical preparations for dressing fabrics and waterproofing purposes, etc. Serial No. 432,800; Aug. 12. Class 6.
Uddo Taormina Corp., Brooklyn, N. Y. Peanut, cottonseed, corn oils and olive oil. Serial No. 443,962; Aug. 12. Class 46.
Unanue, P., New York, N. Y. Olive oil, vinegar, and spanish capers. Serial No. 442,923; Aug. 12. Class 46.
United Cut Flowers Co. Inc., New York, N. Y. Cut flowers. Serial No. 444,243; Aug. 12. Class 1.
United States Gypsum Company, The, Chicago, Ill. Acoustical tile. Serial No. 444,619; Aug. 12. Class 12.
United States Rubber Company, New York, N. Y. Rubber crib sheets. Serial No. 433,187; Aug. 12. Class 50.
Van Pelt & Brown, Inc., Richmond, Va. Medicine to be taken internally. Serial No. 444,209; Aug. 12. Class 6.
Victoria-Vogue, Inc., New York, N. Y. Powder puffs. Serial No. 443,989; Aug. 12. Class 29.
Walker, Edward, doing business as No-Pans Washer Co., Cliffside Park, N. J. Plumbing faucet and valve washers. Serial No. 433,747; Aug. 12. Class 13.
White, H. N., Company, The, Cleveland, Ohio. Wind instruments. Serial No. 444,429; Aug. 12. Class 36.
White, Martin, Inc., New York, N. Y. Bathing suits and women's sportwear clothing. Serial No. 442,921; Aug. 12. Class 39.
Wilson Brothers, Chicago, Ill. Men's and boys' dress, negligee, work, and under shirts, drawers and pajamas. Serial No. 442,680; Aug. 12. Class 39.
Wood, Lyndon D., Chicago, Ill. Concentrated hops extract which is non-alcoholic in itself but which is used for hop flavoring of alcoholic beverages such as beer or ale. Serial No. 444,062; Aug. 12. Class 48.
Yakima Valley Brewing Company, Seattle, Wash. Beer and ale. Serial No. 444,625; Aug. 12. Class 48.

LIST OF REGISTRANTS OF TRADE-MARKS

Amend, Fred W., Co., Danville, Ill. Candy. 389,584–5; Aug. 12; Serial Nos. 442,091–2; published June 3, 1941. Class 46.
American Cabinet Hardware Corporation, Rockford, Ill. Sash locks. 389,609; Aug. 12; Serial No. 440,845; published May 27, 1941. Class 25.
American Chemical Paint Company, Philadelphia, to American Chemical Paint Company, Ambler, Pa. Metal-treating fluid for preparing work for soldering. 146,158; renewed Sept. 6, 1941.
American Junior Aircraft Company, Portland, Oreg. Toy airplanes and controls therefor. 389,581; Aug. 12; Serial No. 440,032; published June 3, 1941. Class 22.
American Machine and Foundry Company, New York and Brooklyn, N. Y. Vertical and other mixers for dough-like and other materials, with accessories therefor, etc. 389,554; Aug. 12; Serial No. 432,572; published June 3, 1941. Class 23.
American Radio Hardware Co., Inc., New York, N. Y. Radio and television hardware. 389,555; Aug. 12; Serial No. 433,371; published June 3, 1941. Class 21.
American Safety Razor Corporation, Brooklyn, N. Y. Soap. 149,633; renewed Dec. 20, 1941.
American Window Glass Company, Pittsburgh, Pa. Thin glass sheets. 389,615; Aug. 12; Serial No. 441,009; published June 3, 1941. Class 33.
Andersen's, Buellton, Calif. Mince meat, spices, split peas, etc. 389,619; Aug. 12; Serial No. 441,189; published May 27, 1941. Class 46.
Austenal Laboratories, Inc., New York, N. Y. Wire, wire mesh, sheet metal rods, etc. 389,621; Aug. 12; Serial No. 441,223; published June 3, 1941. Class 14.
Austenal Laboratories, Inc., New York, N. Y. Artificial teeth, dentures, and denture parts. 389,622; Aug. 12; Serial No. 441,225; published June 3, 1941. Class 44.
Babcock, A. P., Company, New York, N. Y., to A. P. Babcock Company, Rutherford, N. J. Talcum-powder. 145,600; renewed Aug. 16, 1941.
Babson Bros. Co., Chicago, Ill. Pumps and stationary equipment for automatically spraying cows. 389,572; Aug. 12; Serial No. 439,189; published June 3, 1941. Class 23.
Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Crochet hooks, and knitting needles. 389,663; Aug. 12. Class 40.
Bates Manufacturing Company, The, West Orange, N. J. Containers with covers carrying memorandum or note pads. 389,567; Aug. 12; Serial No. 437,401; published June 3, 1941. Class 37.
Baumritter, T., Co. Inc., New York, N. Y. Utility tables in which the top is adjustable. 389,591; Aug. 12; Serial No. 442,298; published June 3, 1941. Class 32.
Bay State Optical Company, Attleboro, Mass. Ophthalmic mountings. 389,637; Aug. 12; Serial No. 441,993; published June 3, 1941. Class 26.
Bay West Paper Company, Green Bay, Wis. Cleaner and film remover. 389,638; Aug. 12; Serial No. 441,996; published June 3, 1941. Class 4.
B. B. Chemical Co., Boston, Mass. Wax. 389,577; Aug. 12; Serial No. 439,615; published June 3, 1941. Class 4.
Bear Creek Orchards, Medford, Oreg. Fresh deciduous fruits. 144,343; renewed July 5, 1941.
Belding Hemingway Company. (See Nonotuck Silk Company, assignor.)
Bemis Bro. Bag Co., St. Louis, Mo. Parcel-post mailing-envelops. 149,343; renewed Dec. 13, 1941.
Benrus Watch Co., Inc., New York, N. Y. Watches and watches and attached bracelets. 389,570; Aug. 12; Serial No. 438,973; published June 3, 1941. Class 27.
Blickman, S., Inc., Weehawken, N. J. Urns for heating and storing coffee, hot water, etc. 389,630; Aug. 12; Serial No. 441,663; published June 3, 1941. Class 13.
Blunden-Lyon Company, The, Chicago, Ill. Printing-paper. 149,642; renewed Dec. 20, 1941.
Bowman Dairy Company, Chicago, Ill. Cultured and fermented milk ingredients in combination with cereal. 389,647; Aug. 12. Class 46.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Toilet seats. 389,586; Aug. 12; Serial No. 442,105; published June 3, 1941. Class 13.
Buxton & Skinner Printing and Stationary Company, St. Louis, Mo. Writing-inks, typewriter-ribbons, and inking-pads. 149,647; renewed Dec. 20, 1941.
California Consumers Corporation, Los Angeles, Calif. Canned citrus juices for beverage purposes. 389,651; Aug. 12. Class 45.
Carolene Products Company, Litchfield, Ill. Combination of evaporated skimmed milk and vegetable oil. 389,608; Aug. 12; Serial No. 440,742; published June 3, 1941. Class 46.
Chapman, William O., Washington, D. C. Building materials. 389,650; Aug. 12. Class 12.
Chatham Manufacturing Company, Winston-Salem, to Chatham Manufacturing Company, Elkin, N. C. Blankets made of wool and cotton or combinations of both. 149,010–12; renewed Dec. 6, 1941.
Cheney, Henry, Hammer Corporation, Little Falls, N. Y. Hammers and wrenches. 149,649; renewed Dec. 20, 1941.
Chicago Mail Order Company, Chicago, Ill. Dresses. 389,655; Aug. 12. Class 39.
Cincinnati Ball Crank Co., The, Cincinnati, Ohio. Lubrication equipment. 389,642; Aug. 12; Serial No. 442,060; published June 3, 1941. Class 23.
City Mills Company, Columbus, Ga. Wheat-flour and particularly self-rising wheat-flour. 147,962; renewed Nov. 8, 1941.
City Mills Company, Columbus, Ga. Self-rising wheat-flour. 149,651; renewed Dec. 20, 1941.
Commander-Larabee Milling Company, doing business as Excelsior Flour Mills, Minneapolis, Minn. Wheat flour. 389,662; Aug. 12. Class 46.
Confections, Inc., Chicago, Ill. Caramel coated popcorn. 389,562; Aug. 12; Serial No. 435,786; published Dec. 3, 1940. Class 46.
Curtis Lighting, Inc., Chicago, Ill. Electric lighting fixtures. 389,556; Aug. 12; Serial No. 433,889; published June 3, 1941. Class 21.
Dangerfield and Lloyd, Neath, Wales. Machinery for producing corrugated sheets. 389,547; Aug. 12; Serial No. 422,481; published June 3, 1941. Class 23.
Daniel Knitting Mill, New York, N. Y. Sweaters, knitted blouses, and jackets. 389,661; Aug. 12. Class 39.
Dento-Pharma Mfg. Co. (See Lewin, John J.)
Dietzgen, Eugene, Co., Chicago, Ill. Materials and supplies for the production and reproduction of prints, drawings, etc. 389,544; Aug. 12; Serial No. 405,873; published June 3, 1941. Class 26.
Dormann, George E., El Centro, Calif. Fresh vegetables. 389,646; Aug. 12. Class 46.
Eastman Kodak Company, Rochester, N. Y. Terminal and switch box for electric flood lights, flash lighting apparatus, etc. 389,549; Aug. 12; Serial No. 427,013; published June 3, 1941. Class 21.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Electric high speed flash lighting equipment, gas-filled electric discharge tubes, and electrical control devices, etc. 389,571; Aug. 12; Serial No. 439,098; published June 3, 1941. Class 21.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Filing boxes. 389,600; Aug. 12; Serial No. 442,838; published June 3, 1941. Class 2.
Edinger, Julius D., New York, N. Y. Composition for cleaning eye-glasses. 389,593; Aug. 12; Serial No. 442,446; published June 3, 1941. Class 4.
Enger-Kress Company, West Bend, Wis. Ladies' bill folds. 389,597; Aug. 12; Serial No. 442,655; published June 3, 1941. Class 3.
Enterprise Coal Company, Garrett, Pa. Coal. 143,944; renewed June 21, 1941.
Estate Stove Company, The, Hamilton, Ohio. Coal and wood stoves. 149,378; renewed Dec. 13, 1941.
Evers, Emmett B., doing business as The Family Farmers Union of America, Lakeland, Fla. Fresh citrus fruit and vegetables. 389,552; Aug. 12; Serial No. 430,179; published May 27, 1941. Class 46.
Excelsior Flour Mills. (See Commander-Larabee Milling Company.)
Expansible Steel Truss Corp., Milwaukee, Wis. Trusses and joists. 389,645; Aug. 12. Class 12.
Family Farmers Union of America, The. (See Evers, Emmett B.)
Fey, A. W., Hazelton, Pa. Pickles. 389,653; Aug. 12. Class 46.
Finger Lakes Honey Producers Co-Operative, Incorporated, Groton, N. Y. Honey. 389,578; Aug. 12; Serial No. 438,894; published May 27, 1941. Class 46.
Fleming & Sons, Inc., Dallas, Tex. Tacks. 389,626; Aug. 12; Serial No. 441,607; published June 3, 1941. Class 13.
Folger, J. A., & Company, Kansas City, Mo. Coffee. 389,573; Aug. 12; Serial No. 439,436; published June 3, 1941. Class 46.
Fuld Bros., Baltimore, Md. Detergent materials. 389,633; Aug. 12; Serial No. 441,817; published June 3, 1941. Class 4.
Fuller Bros. Ltd., New York, N. Y. Screw drivers, chisels, saws, etc. 389,659; Aug. 12. Class 23.
Gallun, A. F., & Sons Corporation, Milwaukee, Wis. Leather. 389,658; Aug. 12. Class 1.
General Mills, Inc. (See Great West Mill & Elevator Co., assignor.)
Georgia Banner Hams Association, Montezuma, Ga. Hams. 389,546; Aug. 12; Serial No. 418,711; published June 3, 1941. Class 46.
Godchaux Sugars, Inc., New Orleans, La. Sugar. 389,604; Aug. 12; Serial No. 440,372; published June 3, 1941. Class 46.
Goldsmith Bros., New York, N. Y. Clinical fever thermometers. 389,599; Aug. 12; Serial No. 442,704; published June 3, 1941. Class 44.
Goldson, Jack, Inc., Los Angeles, Calif. Jackets, skirts, slacks, etc. 389,652; Aug. 12. Class 39.

Goodman, A., & Sons, Inc., New York, N. Y. Soup mix. 389,587–8; Aug. 12; Serial Nos. 442,125–6; published June 3, 1941. Class 46.

Gottfried Baking Company, Inc., New York, N. Y. Bread. 389,583; Aug. 12; Serial No. 440,331; published May 27, 1941. Class 46.

Graybar Electric Company. (See Western Electric Company, assignor.)

Great West Mill & Elevator Co., Amarillo, Tex., assignor to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 149,394–5; renewed Dec. 13, 1941.

Gum Incorporated, Philadelphia, Pa. Chewing gum. 389,589; Aug. 12; Serial No. 442,170; published June 3, 1941. Class 46.

Gusmer, A., Inc., Hoboken, N. J. Prepared malt. 389,625; Aug. 12; Serial No. 441,575; published June 3, 1941. Class 48.

Hartmann Trunk Company, Racine, Wis. Suitcases, hand luggage cases, hat boxes, etc. 389,606; Aug. 12; Serial No. 440,688; published June 3, 1941. Class 3.

Hempden Glazed Paper and Card Company, Holyoke, Mass. Cover-paper. 149,677; renewed Dec. 20, 1941.

Hennings, Raymond A., New Orleans, La. Collless beverage and liquid dispenser. 389,574; Aug. 12; Serial No. 439,464; published June 3, 1941. Class 23.

Hershey, Samuel W., to D. M. Hershey, York, Pa., successor. Wheat-flour. 148,433; renewed Nov. 15, 1941.

Hi-Life Packing Company. (See Ready Foods Company, Inc.)

Hobe Cie, New York, N. Y. Bracelets, brooch pins, lapel pins, etc. 389,665; Aug. 12. Class 28.

Inderrieden Canning Co., assignor to The J. B. Inderrieden Co., Chicago, Ill. Canned vegetables. 149,680; renewed Dec. 20, 1941.

Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y., to Ingersoll-Rand Company, New York, N. Y. Machinery and tools. 149,117; renewed Dec. 6, 1941.

Insel Company, The, Newark, to The Insel Company, Arlington, N. J. Non-breakable lamp-lenses. 149,412; renewed Dec. 13, 1941.

International Association of Altrusa Clubs, Inc., Chicago, Ill. Letter heads, envelopes, paper seals. 389,553; Aug. 12; Serial No. 432,538; published June 3, 1941. Class 37.

International Shoe Company. (See Plant, Thomas G., Company, assignor.)

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 389,657; Aug. 12. Class 39.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 389,664; Aug. 12. Class 39.

Jardur Import Company. (See Klepper, Lillian R.)

Jarvinen, Vilho O., New York, N. Y. Cheese. 389,558; Aug. 12; Serial No. 434,327; published May 27, 1941. Class 46.

Klepper, Lillian R., doing business as Jardur Import Company, New York, N. Y. Chronographs. 389,582; Aug. 12; Serial No. 440,250; published June 3, 1941. Class 26.

La Crosse Breweries, Inc., La Crosse, Wis. Beer. 389,557; Aug. 12; Serial No. 434,179; published June 3, 1941. Class 48.

Lawry's Products Inc., Los Angeles, Calif. Seasoning composed of a multiplicity of spices, herbs, seasonings, and salt. 389,644; Aug. 12. Class 46.

Ledbetter, Willie W., Gladewater, Tex. Chemical composition for use as an all purpose cleaner. 389,666; Aug. 12. Class 4.

Lentz, J. W., Kansas City, Mo. Dressed poultry. 389,631; Aug. 12; Serial No. 441,706; published May 27, 1941. Class 46.

Lewin, John I., doing business as The Dento-Pharma Mfg. Co., New York, N. Y. Dental aluminum compound. 389,635; Aug. 12; Serial No. 441,916; published June 3, 1941. Class 44.

Lopez, Calixto, & Co., Jersey City, N. J. Cigars, cigarettes, and smoking tobacco. 389,610; Aug. 12; Serial No. 440,911; published June 3, 1941. Class 17.

Lopez, Calixto, & Co., Jersey City, N. J. Cigars. 389,611; Aug. 12; Serial No. 440,913; published June 3, 1941. Class 17.

Lopez, Calixto, & Co., Jersey City, N. J. Cigarettes. 389,612; Aug. 12; Serial No. 440,914; published June 3, 1941. Class 17.

Lopez, Calixto, & Co., Jersey City, N. J. Cigars. 389,613; Aug. 12; Serial No. 440,915; published June 3, 1941. Class 17.

Maddocks, John, Bradford, England, assignor, by mesne assignments, to Salts (Saltaire) Limited, Saltaire, England. Cotton, linen, hemp, and silk piece goods, woolen cloths and worsted stuffs. 19,763–4; re-renewed June 23, 1941.

Marshall Field & Company, Chicago, Ill. Ticking. 144,000; renewed June 21, 1941.

Marshall Field & Company, Chicago, Ill. Sheets and pillowcases. 144,004; renewed June 21, 1941.

Marshall Field & Company, Chicago, Ill. Knitting-needles for hand use. 144,199; renewed June 28, 1941.

McBee Company, The, Athens, Ohio. Card index filing cabinets. 389,559; Aug. 12; Serial No. 434,413; published June 3, 1941. Class 32.

Miller, Calla, Tacoma, Wash. Cakes. 389,607; Aug. 12; Serial No. 440,739; published May 27, 1941. Class 46.

Miller-Wohl Company, Inc., The, New York, N. Y. Women's and misses' wearing apparel. 389,667; Aug. 12. Class 39.

Miracle Putty Laboratory, Chicago, Ill. Filling putty. 389,624; Aug. 12; Serial No. 441,406; published June 3, 1941. Class 16.

Mohawk Brush Company, Albany, N. Y. Hair, military, clothes, etc., brushes. 389,617; Aug. 12; Serial No. 441,171; published June 3, 1941. Class 29.

Moore, Sam, Company, Cleveland, Ohio. Electric lighting units for public conveyances. 389,569; Aug. 12; Serial No. 438,489; published June 3, 1941. Class 21.

Morrell, John, & Company, to John Morrell & Co., Ottumwa, Iowa. Bacon. 150,016; renewed Dec. 27, 1941.

National Biscuit Company, New York, N. Y. Biscuit and crackers. 149,708; renewed Dec. 20, 1941.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Turkey poults, chicks, hatching eggs, etc. 389,580; Aug. 12; Serial No. 439,945; published May 27, 1941. Class 46.

Nepper, Peter J., Rapid City, S. Dak. Toilet soap. 389,594; Aug. 12; Serial No. 442,495; published June 3, 1941. Class 4.

New Process Company, Warren, Pa. Nylon hosiery. 389,648; Aug. 12. Class 39.

Noggle, S. W., doing business as the S. W. Noggle Company, Kansas City, Mo. Ice cream bar coating, sherbet stabilizer, food flavoring, extracts, etc. 389,605; Aug. 12; Serial No. 440,634; published May 27, 1941. Class 46.

Nomis Corporation, The, Lafayette, Ind., and Jacksonville, Fla. Fillers for sea-food sandwiches. 389,636; Aug. 12; Serial No. 441,920; published May 27, 1941. Class 46.

Nonotuck Silk Company, Northhampton, Mass., assignor, by mesne assignments, to Belding Hemingway Company, New York, N. Y. Piece goods of silk, cotton and silk, and silk and wool. 149,712; renewed Dec. 20, 1941.

Norton Company, Worchester, Mass. Safety-tread tiles and terrazzo of bonded abrasive grains. 145,426–7; renewed Aug. 2, 1941.

Norton Company, Worchester, Mass. Abrasive products. 148,188; renewed Nov. 8, 1941.

Ohio Steel Foundry Company, The, Lima, Ohio. Metal castings. 150,034; renewed Dec. 27, 1941.

Original Canning Company, Inc., Maspeth, N. Y. Pickles. 389,561; Aug. 12; Serial No. 435,254; published May 27, 1941. Class 46.

Pacific Trading Company, Inc., San Francisco, Calif. Rice. 389,627; Aug. 12; Serial No. 441,625; published June 3, 1941. Class 46.

Packwood, E. H., Manufacturing Co., St. Louis, Mo. Dispensers, particularly for finely divided materials. 389,614; Aug. 12; Serial No. 440,953; published June 3, 1941. Class 2.

Palmer, Salon, assignor to Salon Palmer, New York, N. Y. Perfumery and soap. 19,721; re-renewed June 16, 1941.

Patek Brothers, assignor to Patek Brothers, Inc., Milwaukee, Wis. Paint enamels. 150,044; renewed Dec. 27, 1941.

Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready mixed paints, paint enamels, stains, etc. 389,566; Aug. 12; Serial No. 437,178; published June 3, 1941. Class 16.

Pep Boys—Manny, Moe, & Jack, The, Philadelphia, Pa. Pneumatic rubber tires and inner tubes. 389,601; Aug. 12; Serial No. 442,851; published June 3, 1941. Class 35.

Perla Watch Co. Straub & Co., Bienne, assignor to Straub Co., Aktiengesellschaft, Alpina Uhrenfabrik, Biel, Switzerland. Watches, clocks, chronometers, watch cases, and movements. 143,428; renewed May 31, 1941.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 389,649; Aug. 12. Class 46.

Pilot Radio Corporation, Long Island City, N. Y. Radio receivers. 389,654; Aug. 12. Class 21.

Plant, Thomas G., Company, Boston, Mass., assignor, by mesne assignments, to International Shoe Company, St. Louis, Mo. Boots, shoes, and slippers. 150,055; renewed Dec. 27, 1941.

Proe, Bertha M., Northfield, Ohio. Dinner consisting of chicken, potato, etc. 389,616; Aug. 12; Serial No. 441,035; published June 3, 1941. Class 46.

Ready Foods Company, Inc., doing business as Hi-Life Packing Company, Chicago, Ill. Canned dog food. 389,548; Aug. 12; Serial No. 425,255; published Jan. 2, 1940. Class 46.

Redegeld, Joseph, & Co., Inc., New York, N. Y. Drawing tablets, filler paper, tablets, etc. 389,628; Aug. 12; Serial No. 441,642; published June 3, 1941. Class 37.

Reinmann, Paul, Inc., New York, N. Y. Foambuilding and foam stabilizing compound for beers and ales. 389,634; Aug. 12; Serial No. 441,877; published June 3, 1941. Class 48.

Rochester Ice & Cold Storage Utilities, Inc., Rochester, N. Y. Frozen vegetables. 389,568; Aug. 12; Serial No. 437,530; published June 3, 1941. Class 46.

Roddenberry, W. B., Company, Cairo, Ga. Table syrup, pickles, peanut butter, etc. 389,590; Aug. 12; Serial No. 442,213; published June 3, 1941. Class 46.

Rodin Laboratories, Philadelphia, Pa. Materials for repairing teeth. 389,576; Aug. 12; Serial No. 439,605; published June 3, 1941. Class 44.

Royal Bead Novelty Co., Inc., New York, N. Y. Necklaces and bracelets of simulated pearls. 389,656; Aug. 12. Class 28.

Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J. Baking enamel. 389,592; Aug. 12; Serial No. 442,338; published June 3, 1941. Class 16.

Salts (Saltaire) Limited. (See Maddocks, John, assignor.)

Sandgren, Steve, Los Angeles, Calif. Candy. 389,563; Aug. 12; Serial No. 435,812; published June 3, 1941. Class 46.

Schieren, Chas. A., Company, New York, N. Y. Leather packings. 149,498; renewed Dec. 13, 1941.

Seacoast Canning Co., Eastport, to Seaboard Packing Company, Lubec, Maine, successor. Canned sardines. 148,532; renewed Nov. 15, 1941.

Sears, Roebuck and Co., Chicago, Ill. Typewriters. 145,581; renewed Aug. 9, 1941.

Sells, Walter O., doing business as Walter De-Mar Company, Des Moines, Iowa. Polish for automobiles, furniture, pianos, etc. 389,623; Aug. 12; Serial No. 444,258; published June 3, 1941. Class 16.

Skinner, William, & Sons, New York, N. Y., and Holyoke, Mass. Satin and satin de chine in the piece. 146,876; renewed Sept. 20, 1941.

South Coast Fisheries, Inc., Terminal Island, Calif. Canned cat food. 389,620; Aug. 12; Serial No. 441,217; published June 3, 1941. Class 46.

Southern Central Company, Memphis, Tenn. Loose-leaf fillers, composition books, and pencil tables. 389,629; Aug. 12; Serial No. 441,646; published June 3, 1941. Class 37.

Spar, Jacob M., New York, N. Y. Rayon goods in the piece. 389,550; Aug. 12; Serial No. 429,872; published June 3, 1941. Class 42.

Spiegel, G. B., Corp., Chicago, Ill. Pump and fountain assemblies sold as a unit. 389,545; Aug. 12; Serial No. 414,413; published June 3, 1941. Class 23.

Staynew Filter Corporation, Rochester, N. Y. Filters. 389,603; Aug. 12; Serial No. 442,982; published June 3, 1941. Class 31.

Straub & Co., Atkiengesellschaft, Alpina Uhrenfabrik. (See Perla Watch Co. Straub & Co., assignor.)

Strauss, B. M. & J., Limited, London, England. Liebfraumilch wine. 389,632; Aug. 12; Serial No. 441,792; published June 3, 1941. Class 47.

Sun Company, Philadelphia, Pa., by change of name to Sun Oil Company. Lubricating-oils. 149,253; renewed Dec. 6, 1941.

Tasty Foods, Denver, Colo. Prepared popcorn and shoestring potatoes. 389,560; Aug. 12; Serial No. 434,732; published Jan. 28, 1941. Class 46.

Taylor-Freeman-Stanley Incorporated, New York, N. Y. Reeds for musical instruments and harmonicas. 389,643; Aug. 12; Serial No. 442,079; published June 3, 1941. Class 36.

Tetley, Joseph, & Co., Inc., New York, N. Y. Tea. 389,639; Aug. 12; Serial No. 442,015; published June 3, 1941. Class 46.

Thermo-Vac Corporation, Boston, Mass. Insulated containers for food products. 389,564; Aug. 12; Serial No. 436,452; published June 3, 1941. Class 2.

Tolbia Cheese Corporation, New York, N. Y. Cheese. 389,551; Aug. 12; Serial No. 430,158; published June 3, 1941. Class 46.

Twitchell-Champlin Company, The, Portland, Maine. Canned fruits, vegetables, fish, etc. 389,668; Aug. 12. Class 46.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 389,602; Aug. 12; Serial No. 442,924; published June 3, 1941. Class 22.

United States Stove Company, South Pittsburg, Tenn. Gas-operated water heaters and heating stoves. 389,575; Aug. 12; Serial No. 439,571; published June 3, 1941. Class 34.

Veronica Medicinal Springs Water Co., Santa Barbara, to Veronica Medicinal Springs Water Company, San Francisco, Calif., successor. Mineral waters. 144,291; renewed June 28, 1941.

Visible Index Corp., New York, N. Y. Posting trays, desks, file cabinets, etc. 389,598; Aug. 12; Serial No. 442,676; published June 3, 1941. Class 32.

Wallace, R., & Sons Mfg. Co., Wallingford, Conn. German-silver flatware. 150,161; renewed Dec. 27, 1941.

Walter De-Mar Company. (See Sells, Walter O.)

Ward-Stilson Company, The, to The Ward-Stilson Company, Anderson, Ind., successor. Aprons and house dresses. 145,588; renewed Aug. 9, 1941.

Warner Chemical Company, The, New York, N. Y. Dry cleaning solvents. 389,595; Aug. 12; Serial No. 442,505; published June 3, 1941. Class 4.

Washington Dental Company, Washington, D. C. Dental restorations. 389,579; Aug. 12; Serial No. 439,913; published June 3, 1941. Class 44.

Weichselbaum, Samuel, Springfield, Ill. Coats, suits, blouses, etc. 389,660; Aug. 12. Class 39.

West Bend Equipment Co., to West Bend Equipment Corporation, West Bend, Wis., successor. Platform-trucks. 146,910; renewed Sept. 20, 1941.

Western Canners, Inc., Newport Beach, Calif. Canned mackerel. 389,565; Aug. 12; Serial No. 436,682; published May 27, 1941. Class 46.

Western Electric Company, Incorporated, assignor to Graybar Electric Company, Inc., New York, N. Y. Friction-tape. 144,494; renewed July 5, 1941.

Western Electric Company, Incorporated, assignor to Graybar Electric Company, Inc., New York, N. Y. Friction-tape. 144,649; renewed July 12, 1941.

Westfeldt Brothers, New Orleans, La. Coffee. 389,618; Aug. 12; Serial No. 441,187; published June 3, 1941. Class 46.

Wilson-Imperial Company, Newark, N. J. Paint, varnish, enamel, etc. 389,640; Aug. 12; Serial No. 442,019; published June 3, 1941. Class 16.

Wolf & Dessauer Co., Fort Wayne, Ind. Bed sheets, pillow cases, kitchen and bathroom towels, etc. 389,641; Aug. 12; Serial No. 442,020; published June 3, 1941. Class 42.

Woodward, William, Nottingham, assignor to W. Woodward Limited, London, England. Remedies for diseases of the stomach and bowels. 19,979; renewed Aug. 4, 1941.

Wright & McGill, Denver, Colo. Fishing lines and fish lures, leaders, and flies. 389,596; Aug. 12; Serial No. 442,583; published June 3, 1941. Class 22.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Enterpise Coal Company. 143,944; renewed June 21, 1941.

Leather. A. F. Gallun & Sons Corporation. 389,658; Aug. 12.

CLASS 2

Boxes, Filing. Eastman Kodak Company. 389,600; Aug. 12; Serial No. 442,838; published June 3, 1941.

Containers for food products, Insulated. Thermo-Vac Corporation. 389,564; Aug. 12; Serial No. 436,452; published June 3, 1941.

Dispensers. G. H. Packwood Manufacturing Co. 389,614; Aug. 12. Serial No. 440,953; published June 3, 1941.

Envelops, Parcel-post mailing. Bemis Bros. Bag Co. 149,343; renewed Dec. 13, 1941.

CLASS 3

Bill folds, Ladies'. Enger-Kress Company. 389,597; Aug. 12; Serial No. 442,655; published June 3, 1941.

Suitcases, hand luggage cases, hat boxes, etc. Hartmann Trunk Company. 389,606; Aug. 12; Serial No. 440,688; published June 3, 1941.

CLASS 4

Abrasive products. Norton Company. 148,188; renewed Nov. 8, 1941.

Chemical composition for use as an all purpose cleaner. W. W. Ledbetter. 389,666; Aug. 12.

Cleaner and film remover. Bay West Paper Company. 389,638; Aug. 12; Serial No. 441,996; published June 3, 1941.

Composition for cleaning eyeglasses. J. D. Edinger. 389,593; Aug. 12; Serial No. 442,446; published June 3,1941.

Detergent materials. Fuld Bros. 389,633; Aug. 12; Serial No. 441,817; published June 3, 1941.

Soap. American Safety Razor Corporation. 149,633; renewed Dec. 20, 1941.

Soap, Toilet. P. J. Nepper. 389,594; Aug. 12; Serial No. 442,495; published June 3, 1941.

Solvents, Dry cleaning. Warner Chemical Company. 389,595; Aug. 12; Serial No. 442,505; published June 3, 1941.

Wax. B. B. Chemical Co. 389,577; Aug. 12; Serial No. 439,615; published June 3, 1941.

CLASSES 4 and 6

Perfumery and soap. S. Palmer. 19,721; re-renewed June 16, 1941.

CLASS 6

Fluid for preparing work for soldering, Metal-treating. American Chemical Paint Company. 146,158; renewed Sept. 6, 1941

Remedies for diseases of the stomach and bowels. W. Woodward. 19,979; re-renewed Aug. 4, 1941.

Talcum-powder. A. P. Babcock Company. 145,600; renewed Aug. 16, 1941.

CLASS 11

Writing-inks, typewriter-ribbons, and inking-pads. Buxton & Skinner Printing and Stationary Company. 149,647; renewed Dec. 20, 1941.

CLASS 12

Building materials. W. O. Chapman. 389,650; Aug. 12.

Tiles and terrazzo of bonded abrasive grains, Safety-tread. Norton Company. 145,426–7; renewed Aug. 2, 1941.

Trusses and joists. Expansible Steel Truss Corp. 389,645; Aug. 12.

CLASS 13

Tacks. Fleming & Sons, Inc. 389,626; Aug. 12; Serial No. 441,607; published June 3, 1941.
Toilet seats. Brunswick-Balke-Collender Company. 389,586; Aug. 12; Serial No. 442,105; published June 3, 1941.
Urns for heating and storing coffee, hot water, etc. S. Blickman, Inc. 389,630; Aug. 12; Serial No. 441,663; published June 3, 1941.

CLASS 14

Metal castings. Ohio Steel Foundry Company. 150,034; renewed Dec. 27, 1941.
Wire, wire mesh, sheet metal rods, etc. Austenal Laboratories, Inc. 389,621; Aug. 12; Serial No. 441,223; published June 3, 1941.

CLASS 15

Oils, Lubricating. Sun Company. 149,253; renewed Dec. 6, 1941.

CLASS 16

Paint enamels. Patek Brothers. 150,044; renewed Dec. 27, 1941.
Baking enamel. Roxalin Flexible Lacquer Company. 389,592; Aug. 12; Serial No. 442,338; published June 3, 1941.
Dry and ready mixed paints, paint enamels, stains, etc. Patterson-Sargent Company. 389,566; Aug. 12; Serial No. 437,178; published June 3, 1941.
Filling putty. Miracle Putty Laboratory. 389,624; Aug. 12; Serial No. 441,406; published June 3, 1941.
Paint, varnish, enamel, etc. Wilson-Imperial Company. 389,640; Aug. 12; Serial No. 442,019; published June 3, 1941.
Polish for automobiles, furniture, pianos, etc. W. O. Sells. 389,623; Aug. 12; Serial No. 441,258; published June 3, 1941.

CLASS 17

Cigars. Calixto Lopez & Co. 389,611; Aug. 12; Serial No. 440,913; published June 3, 1941.
Cigars, cigarettes, and smoking tobacco. Calixto Lopez & Co. 389,610; Aug. 12; Serial No. 440,911; published June 3, 1941.
Cigarettes. Calixto Lopez & Co. 389,612; Aug. 12; Serial No. 440,914; published June 3, 1941.
Cigars. Calixto Lopez & Co. 389,613; Aug. 12; Serial No. 440,915; published June 3, 1941.

CLASS 19

Trucks, Platform. West Bend Equipment Co. 146,910; renewed Sept. 20, 1941.

CLASS 21

Electric high speed flash lighting equipment, gas-filled electric discharge tubes, and electrical control devices, etc. Eastman Kodak Company. 389,571; Aug. 12; Serial No. 439,098; published June 3, 1941.
Electric lighting fixtures. Curtis Lighting, Inc. 389,556; Aug. 12; Serial No. 433,889; published June 3, 1941.
Electric lighting units. Sam Moore Company. 389,569; Aug. 12; Serial No. 438,489; published June 3, 1941.
Radio and television hardware. American Radio Hardware Co. Inc. 389,555; Aug. 12; Serial No. 433,371; published June 3, 1941.
Radio receivers. Pilot Radio Corporation. 389,654; Aug. 12.
Tape, Friction. Western Electric Company. 144,494; renewed July 5, 1941.
Tape, Friction. Western Electric Company. 144,649; renewed July 12, 1941.
Terminal and switch box for electric floodlights, flash lighting apparatus, etc. Eastman Kodak Company. 389,549; Aug. 12; Serial No. 429,013; published June 3, 1941.

CLASS 22

Fishing lines and fish lures, leaders, and flies. Wright & McGill. 389,596; Aug. 12; Serial No. 442,583; published June 3, 1941.
Playing cards. United States Playing Card Company. 389,602; Aug. 12; Serial No. 442,924; published June 3, 1941.
Toy airplanes and controls therefor. American Junior Aircraft Company. 389,581; Aug. 12; Serial No. 440,032; published June 3, 1941.

CLASS 23

Dispenser, Beverage and liquid. R. A. Hennings. 389,574; Aug. 12; Serial No. 439,464; published June 3, 1941.
Hammers and wrenches. Henry Cheney Hammer Corporation. 149,649; renewed Dec. 20, 1941.
Lubrication equipment. Cincinnati Ball Crank Co. 389,642; Aug. 12; Serial No. 442,060; published June 3, 1941.
Machinery and tools. Ingersoll-Rand Company. 149,117; renewed Dec. 6, 1941.
Machinery for producing corrugated sheets. Dangerfield and Lloyd. 389,547; Aug. 12; Serial No. 422,481; published June 3, 1941.
Pump and fountain assemblies. G. B. Spiegel Corp. 389,545; Aug. 12; Serial No. 414,413; published June 3, 1941.
Pumps and Stationary equipment for automatically spraying cows. Babson Bros. Co. 389,572; Aug. 12; Serial No. 439,189; published June 3, 1941.
Screw drivers, chisels, saws, etc. Fuller Bros. Ltd. 389,659; Aug. 12.
Typewriters. Sears, Roebuck and Co. 145,581; renewed Aug. 9, 1941.
Vertical and other mixers for doughlike and other materials, with accessories therefor, etc. American Machine and Foundry Company. 389,554; Aug. 12; Serial No. 432,572; published June 3, 1941.

CLASS 25

Locks, Sash. American Cabinet Hardware Corporation. 389,609; Aug. 12; Serial No. 440,845; published May 27, 1941.

CLASS 26

Chronographs. L. R. Klepper. 389,582; Aug. 12; Serial No. 440,250; published June 3, 1941.
Materials and supplies for the production and reproduction of prints, drawings, etc. Eugene Dietzgen Co. 389,544; Aug. 12; Serial No. 405,873; published June 3, 1941.
Ophthalmic mountings. Bay State Optical Company. 389,637; Aug. 12; Serial No. 441,993; published June 3, 1941.

CLASS 27

Watches and watches and attached bracelets. Benrus Watch Co. 389,570; Aug. 12; Serial No. 438,973; published June 3, 1941.
Watches, clocks, chronometers, watch cases and movements. Perla Watch Co. Straub & Co. 143,428; renewed May 31, 1941.

CLASS 28

Bracelets, brooch pins, lapel pins, etc. Hobé Cie. 389,665; Aug. 12.
Necklaces and bracelets of simulated pearls. Royal Bead Novelty Co. 389,656; Aug. 12.
Silver flat-ware, German. R. Wallace & Sons Mfg. Co. 150,161; renewed Dec. 27, 1941.

CLASS 29

Brushes, Hair, Military, clothes, etc. Mohawk Brush Company. 389,617; Aug. 12; Serial No. 441,171; published June 3, 1941.

CLASS 31

Filters. Staynew Filter Corporation. 389,603; Aug. 12; Serial No. 442,982; published June 3, 1941.

CLASS 32

Cabinets, Card Index filing. McBee Company. 389,559; Aug. 12; Serial No. 434,413; published June 3, 1941.
Trays, desks, file cabinets, etc., Posting. Visible Index Corp. 389,598; Aug. 12; Serial No. 442,676; published June 3, 1941.
Utility tables in which the top is adjustable. T. Baumritter Co. Inc. 389,591; Aug. 12; Serial No. 442,298; published June 3, 1941.

CLASS 33

Glass sheets, Thin. American Window Glass Company. 389,615; Aug. 12; Serial No. 441,009; published June 3, 1941.

CLASS 34

Heaters and heating stoves, Gas-operated water. United States Stove Company. 389,575; Aug. 12; Serial No. 439,571; published June 3, 1941.
Lenses, Non-breakable lamp. Insel Company. 149,412; renewed Dec. 13, 1941.
Stoves. Estate Stove Company. 149,378; renewed Dec. 13, 1941.

CLASS 35

Packings, Leather. Chas. A. Schieren Company. 149,498; renewed Dec. 13, 1941.
Tires and inner tubes, Pneumatic rubber. Pep Boys—Manny, Moe, & Jack. 389,601; Aug. 12; Serial No. 442,851; published June 3, 1941.

CLASS 36

Reeds for musical instruments and harmonicas. Taylor-Freeman Stanley Incorporated. 389,643; Aug. 12; Serial No. 442,079; published June 3, 1941.

CLASS 37

Containers with covers carrying memorandum or note pads. Bates Manufacturing Company. 389,567; Aug. 12; Serial No. 437,401; published June 3, 1941.
Drawing tablets, filler paper, tablets, etc. Joseph Redegeld & Co. 389,628; Aug. 12; Serial No. 441,642; published June 3, 1941.
Letter heads, envelopes, paper seals. International Association of Altrusa Clubs, Inc. 389,553; Aug. 12; Serial No. 432,538; published June 3, 1941.
Loose-leaf fillers, composition books, and pencil tablets Southern Central Company. 389,629; Aug. 12; Serial No. 441,646; published June 3, 1941.
Paper, Cover. Hempden Glased Paper and Card Company. 149,677; renewed Dec. 20, 1941.

Paper, Printing. Blunden-Lyon Company. 149,642; renewed Dec. 20, 1941.

CLASS 39

Aprons and house dresses. Ward-Stilson Company. 145,588; renewed Aug. 9, 1941.
Boots, shoes and slippers. Thomas G. Plant Company. 150,055; renewed Dec. 27, 1941.
Coats, suits, blouses, etc. S. Weichselbaum. 389,660; Aug. 12.
Dresses. Chicago Mail Order Company. 389,655; Aug. 12.
Hosiery. Interwoven Stocking Company. 389,657; Aug. 12.
Hosiery. Interwoven Stocking Company. 389,664; Aug. 12.
Hosiery, Nylon. New Process Company. 389,648; Aug. 12.
Jackets, skirts, slacks, etc. Jack Goldson, Inc. 389,652; Aug. 12.
Sweaters, knitted blouses, and jackets. Daniel Knitting Mill. 389,661; Aug. 12.
Wearing apparel, Women's and misses'. Miller-Wohl Company. 389,667; Aug. 12.

CLASS 40

Crochet hooks and knitting needles. H. C. Bates. 389,663; Aug. 12.
Knitting-needles. Marshall Field & Company. 144,199; renewed June 28, 1941.

CLASS 42

Blankets made of wool and cotton or combinations. Chatham Manufacturing Company. 149,010–12; renewed Dec. 6, 1941.
Goods in the piece, Rayon. J. M. Spar. 389,550; Aug. 12; Serial No. 429,872; published June 3, 1941.
Piece goods of silk, cotton and silk, and silk and wool. Nonotuck Silk Company. 149,712; renewed Dec. 20, 1941.
Piece goods, woolen cloths, and worsted stuffs, cotton, linen, hemp, and silk. J. Maddocks. 19,763–4; renewed June 23, 1941.
Satin and satin de chine in the piece. William Skinner & Sons. 146,876; renewed Sept. 20, 1941.
Sheets and pillowcases. Marshall Field & Company. 144,004; renewed June 21, 1941.
Sheets, pillow cases, kitchen and towels, etc., Bed. Wolf & Dessauer Co. 389,641; Aug. 12; Serial No. 442,020; published June 3, 1941.
Ticking. Marshall Field & Company. 144,000; renewed June 21, 1941.

CLASS 44

Dental aluminum compound. J. I. Lewin. 389,635; Aug. 12; Serial No. 441,916; published June 3, 1941.
Dental restorations. Washington Dental Company. 389,579; Aug. 12; Serial No. 439,913; published June 3, 1941.
Materials for repairing teeth. Rodin Laboratories. 389,576; Aug. 12; Serial No. 439,605; published June 3, 1941.
Teeth, dentures, and denture parts, Artificial. Austenal Laboratories, Inc. 389,622; Aug. 12; Serial No. 441,225; published June 3, 1941.
Thermometers, Clinical fever. Goldsmith Bros. 389,599; Aug. 12; Serial No. 442,704; published June 3, 1941.

CLASS 45

Canned citrus juices for beverage purposes. California Consumers Corporation. 389,651; Aug. 12.
Mineral waters. Veronica Medicinal Springs Water Co. 144,291; renewed June 28, 1941.

CLASS 46

Bacon. John Morrell & Company. 150,016; renewed Dec. 27, 1941.
Biscuit and crackers. National Biscuit Company. 149,708; renewed Dec. 20, 1941.
Bread. Gottfried Baking Company. 389,583; Aug. 12; Serial No. 440,331; published May 27, 1941.
Cakes. C. Miller. 389,607; Aug. 12; Serial No. 440,739; published May 27, 1941.
Candy. Fred W. Amend Co. 389,584; Aug. 12; Serial Nos. 442,091–2; published June 3, 1941.
Candy. S. Sandgren. 389,563; Aug. 12; Serial No. 435,812; published June 3, 1941.
Canned cat food. South Coast Fisheries, Inc. 389,620; Aug. 12; Serial No. 441,217; published June 3, 1941.
Canned dog food. Ready Foods Company. 389,548; Aug. 12; Serial No. 425,255; published Jan. 2, 1940.
Canned fruits, vegetables, fish, etc. Twitchell-Champlin Company. 389,668; Aug. 12.
Canned mackerel. Western Canners, Inc. 389,565; Aug. 12; Serial No. 436,682; published May 27, 1941.
Canned sardines. Seacoast Canning Co. 148,532; renewed Nov. 15, 1941.
Canned vegetables. Inderrieden Canning Co. 149,680; renewed Dec. 20, 1941.
Cheese. V. O. Jarvinen. 389,558; Aug. 12; Serial No. 434,327; published May 27, 1941.
Cheese. Tolibia Cheese Corporation. 389,551; Aug. 12; Serial No. 430,158; published June 3, 1941.
Citrus fruits and vegetables, Fresh. E. B. Evers. 389,552; Aug. 12; Serial No. 430,179; published May 27, 1941.
Coffee. J. A. Folger & Company. 389,573; Aug. 12; Serial No. 439,436; published June 3, 1941.
Coffee. Westfeldt Brothers. 389,618; Aug. 12; Serial No. 441,187; published June 3, 1941.
Dinner consisting of chicken, potatoes, etc. B. M. Proe. 389,616; Aug. 12; Serial No. 441,035; published June 3, 1941.
Fillers for sea-food sandwiches. Nomis Corporation. 389,636; Aug. 12; Serial No. 441,920; published May 27, 1941.
Flour, Self-rising wheat. City Mills Company. 149,651; renewed Dec. 20, 1941.
Flour, Wheat. City Mills Company. 147,962; renewed Nov. 8, 1941.
Flour, Wheat. Commander-Larabee Milling Company. 389,662; Aug. 12.
Flour, Wheat. Great West Mill & Elevator Co. 149,394–5; renewed Dec. 13, 1941.
Flour, Wheat. S. W. Hershey. 148,433; renewed Nov. 15, 1941.
Fruits, Fresh deciduous. Bear Creek Orchards. 144,343; renewed July 5, 1941.
Gum, Chewing. Gum Incorporated. 389,589; Aug. 12; Serial No. 442,170; published June 3, 1941.
Hams. Georgia Banner Hams Association. 389,546; Aug. 12; Serial No. 418,711; published June 3, 1941.
Honey. Finger Lakes Honey Producers Co-Operative, Incorporated. 389,578; Aug. 12; Serial No. 439,894; published May 27, 1941.
Ice cream bar coating, sherbet stabilizer, food flavoring extracts, etc. S. W. Noggle. 389,605; Aug. 12; Serial No. 440,634; published May 27, 1941.
Milk and vegetable oil, Combination of evaporated skimmed. Carolene Products Company. 389,608; Aug. 12; Serial No. 440,742; published June 3, 1941.
Milk ingredients in combination with cereal flour, Cultured and fermented. Bowman Dairy Company. 389,647; Aug. 12.
Mince meat, spices, split peas, etc. Andersen's. 389,619; Aug. 12; Serial No. 441,189; published May 27, 1941.
Flour, Wheat. Pillsbury Flour Mills Company. 389,649; Aug. 12.
Pickles. A. W. Fey. 389,653; Aug. 12.
Pickles. Original Canning Company. 389,561; Aug. 12; Serial No. 435,254; published May 27, 1941.
Popcorn and shoestring potatoes, Prepared. Tasty Foods. 389,560; Aug. 12; Serial No. 434,732; published Jan. 28, 1941.
Popcorn, Caramel coated. Confections, Inc. 389,562; Aug. 12; Serial No. 435,786; published Dec. 3, 1940.
Poultry, Dressed. J. W. Lentz. 389,631; Aug. 12; Serial No. 441,706; published May 27, 1941.
Rice. Pacific Trading Company. 389,627; Aug. 12; Serial No. 441,625; published June 3, 1941.
Seasoning. Lawry's Products Inc. 389,644; Aug. 12.
Soup mix. A. Goodman & Sons, Inc. 389,587–8; Aug. 12; Serial Nos. 442,125–6; published June 3, 1941.
Sugar. Godchaux Sugars, Inc. 389,604; Aug. 12; Serial No. 440,372; published June 3, 1941.
Syrup, pickles, peanut butter, Table. W. B. Roddenbery Company. 389,590; Aug. 12; Serial No. 442,213; published June 3, 1941.
Tea. Joseph Tetley & Co. 389,639; Aug. 12; Serial No. 442,015; published June 3, 1941.
Turkey poults, chicks, hatching eggs, etc. National Co-Operatives, Inc. 389,580; Aug. 12; Serial No. 439,945; published May 27, 1941.
Vegetables, Fresh. G. E. Dormann. 389,646; Aug. 12.
Vegetables, Frozen. Rochester Ice & Cold Storage Utilities, Inc. 389,568; Aug. 12; Serial No. 437,530; published June 3, 1941.

CLASS 47

Wine, Liebfraumilch. B. M. & J. Strauss, Limited. 389,632; Aug. 12; Serial No. 441,792; published June 3, 1941.

CLASS 48

Beer. La Crosse Breweries, Inc. 389,557; Aug. 12; Serial No. 434,179; published June 3, 1941.
Foam building and foam stabilizing compound for beers and ales. Paul Reinmann, Inc. 389,633; Aug. 12; Serial No. 441,877; published June 3, 1941.
Prepared malt. A. Gusmer Inc. 389,625; Aug. 12; Serial No. 441,575; published June 3, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Atwood Vacuum Machine Company. (See Tierney, William J., assignor.)

Eitzen, August D., Rockville Centre, ssignor to News Projection Corporation, New York, N. Y. Tape regulating device for stock quotation projectors. Re. 21,872; Aug. 12.

Hermann, Le Roy N., Chicago, Ill. Thermostatically controlled faucet unit. Re. 21,873; Aug. 12.

Martin, Joseph, Laurelton, assignor to United States Cabinet Bed Co., Brooklyn, N. Y. Couch bed. Re. 21,874; Aug. 12.

Newman, David F., Mountain Lakes, N. J., assignor to Trans-Lux Corporation. Projection apparatus. Re. 21,875; Aug. 12.

News Projection Corporation. (See Eitzen, August D., assignor.)

Tierney, William J., assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Hinge and making members therefor. Re. 21,876; Aug. 12.

Trans-Lux Corporation. (See Newman, David F., assignor.)

United States Cabinet Bed Co. (See Martin, Joseph, assignor.)

LIST OF PLANT PATENTEES

Byrum, Roy L., assignor to Jos. H. Hill Company, Richmond, Ind. Rose plant. 485; Aug. 12.

Gaujard, Jean, Feyzin, France, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 482; Aug. 12.

Hill, Jos. H., Company. (See Byrum, Roy L.)

Jackson & Perkins Company. (See Gaujard, Jean.)

Jackson & Perkins Company. (See Johnston, Walter I.)

Jackson & Perkins Company. (See Kordes, Wilhelm.)

Johnston, Walter I., Belfast, Northern Ireland, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 483; Aug. 12.

Kordes, Wilhelm, Sparrieshoop in Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 484; Aug. 12.

Overlook Nurseries. (See Sawada, Korsaku.)

Sawada, Kosaku, assignor to Overlook Nurseries, Crichton, Ala. Camellia plant. 481; Aug. 12.

LIST OF DESIGN PATENTEES

Advance Engineering Company. (See Huarisa, John, assignor.)

Albers, Fred H. (See Nelson, Bender M., assignor.)

American Iron & Machine Works Company. (See Owen, Frank M., assignor.)

Athas-Ometer Co. (See Jameson, Clarence W., assignor.)

Autorye Company, The. (See Sanford, Roy S., assignor.)

Birnbaum, George, Westport, Conn. Dress. 128,870; Aug. 12.

Boettger, George C., Los Angeles, Calif. Automobile exhaust shroud or similar article. 128,816; Aug. 12.

Bonnell, William L., Columbus, Ohio. Edging strip or similar article. 128,793; Aug. 12.

Cashin, Bonnie, New York, N. Y. Dress. 128,896; Aug. 12.

Cashin, Bonnie, New York, N. Y. Dress. 128,897; Aug. 12.

Cashin, Bonnie, New York, N. Y. Dress. 128,898; Aug. 12.

Cashin, Bonnie, New York, N. Y. Dress. 128,899; Aug. 12.

Cashin, Bonnie, New York, N. Y. Dress. 128,900; Aug. 12.

Cat's Paw Rubber Company. (See Esterson, Albert A., assignor.)

Clion, William, Brooklyn, N. Y. Dress. 128,871; Aug. 12.

Cohn & Rosenberger Inc. (See Katz, Adolph, assignor.)

Copeland, Jo, New York, N. Y. Dress ensemble. 128,840; Aug. 12.

Copeland, Jo, New York, N. Y. Dress. 128,841; Aug. 12.

Cushman, H. T., Mfg. Co. (See De Vries, Herman E., assignor.)

Cutler, Elizabeth, New York, N. Y. Dress. 128,851; Aug. 12.

Cutler, Elizabeth, New York, N. Y. Dress. 128,880; Aug. 12.

Cutler, Elizabeth, New York, N. Y. Dress. 128,881; Aug. 12.

D'Arcy Advertising Co. (See Loewy, Raymond, assignor.)

Davis, Dora, New York, N. Y. Dress. 128,882; Aug. 12.

Debus, Norman E., New York, N. Y. Dress. 128,861; Aug. 12.

Debus, Norman E., New York, N. Y. Dress. 128,872; Aug. 12.

Debus, Norman E., New York, N. Y. Dress. 128,873; Aug. 12.

De Vries, Herman E., New York, N. Y., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt. Drawer pull or similar article. 128,774; Aug. 12.

Drucke, William F., Grand Rapids, Mich. Chess men. 128,794; Aug. 12.

Duke, Anna, New York, N. Y. Dress. 128,862; Aug. 12.

Duke, Anna, New York, N. Y. Dress. 128,901; Aug. 12.

Engstrom, Everett, E., White Plains, assignor to National Can Corporation, New York, N. Y. Lithographed sheet metal for metal containers or the like. 128,795; Aug. 12.

Epstein, Jules, New York, N. Y. Coat. 128,845; Aug. 12.

Esterson, Albert A., assignor to Cat's Paw Rubber Company, Inc., Baltimore, Md. Rubber heel. 128,817; Aug. 12.

Fingerhut, Abraham, New York, N. Y. Pin or similar article. 128,818; Aug. 12.

Fitzgerald, James E., Sacramento, Calif. Toothbrush holder. 128,775; Aug. 12.

Frascino, Mario, New York, N. Y. Coat. 128,852; Aug. 12.

Gallagher, Louise B., New York, N. Y. Dress. 128,863; Aug. 12.

Gallagher, Louise B., New York, N. Y. Suit. 128,864; Aug. 12.

Gallagher, Louise B., New York, N. Y. Coat. 128,883; Aug. 12.

Gallagher, Louise B., New York, N. Y. Dress ensemble. 128,902; Aug. 12.

Gallagher, Louise B., New York, N. Y. Dress ensemble. 128,903; Aug. 12.

Gambs, George, Fresno, Calif. Hand truck. 128,819; Aug. 12.

Gans, Robert J., assignor to Pacific Plastic & Mfg. Co., Inc., Los Angeles, Calif. Drawer pull. 128,776; Aug. 12.

Gans, Robert J., assignor to Pacific Plastic & Mfg. Co., Inc., Los Angeles, Calif. Drawer pull. 128,777; Aug. 12.

General Electric Company. (See Petzold, William B., assignor.)

Gerber, John, Kearney, Nebr. Display stand. 128,778; Aug. 12.

Golden, Zelma, Larchmont, N. Y. Dress. 128,865; Aug. 12.

Golden, Zelma, Larchmont, N. Y. Dress ensemble. 128,866; Aug. 12.

Golden, Zelma, Larchmont, N. Y. Dress. 128,874; Aug. 12.

Golden, Zelma, Larchmont, N. Y. Dress ensemble. 128,884; Aug. 12.

Golden, Zelma, Larchmont, N. Y. Dress. 128,885; Aug. 12.

Golden, Zelma, Larchmont, N. Y. Dress ensemble. 128,886; Aug. 12.

Golden, Zelma, Larchmont, N. Y. Dress ensemble. 128,904; Aug. 12.

Golden, Zelma, Larchmont, N. Y. Dress ensemble. 128,905; Aug. 12.

Golden, Zelma, Larchmont, N. Y. Dress ensemble. 128,906; Aug. 12.
Golden, Zelma, Larchmont, N. Y. Dress ensemble. 128,907; Aug. 12.
Gray, Julia C., Washington, D. C. Doll. 128,796; Aug. 12.
Green, Henry, Far Rockaway, N. Y. Handbag. 128,853; Aug. 12.
Hagist, Emil T., Glenside, Pa. Service cable connection box. 128,842; Aug. 12.
Hallenscheid, Gustave A., Los Angeles, Calif. Recessed soap holder or similar article. 128,779; Aug. 12.
Hallenscheid, Gustave A., Los Angeles, Calif. Combination tumbler and tooth brush holder. 128,780; Aug. 12.
Hallenscheid, Gustave A., Los Angeles, Calif. Soap dish. 128,781; Aug. 12.
Hallenscheid, Gustave A., Los Angeles, Calif. Towel bar post. 128,782; Aug. 12.
Hallenscheid, Gustave A., Los Angeles, Calif. Combination soap holder and grab bar. 128,783; Aug. 12.
Halpern, Raymond, New York, N. Y. Negligee. 128,854; Aug. 12.
Hat Corporation of America. (See Stack, A. J., and Moran, assignors.)
Hat Corporation of America. (See Stack, A. J., and Olivan, assignors.)
Herman, Edward B., Minneapolis, Minn. Combination handle stick and confection. 128,797; Aug. 12.
Hirsch, Emanuel H., Weehawken, N. J. Appliqué emblem. 128,798; Aug. 12.
Huarisa, John, assignor to Advance Engineering Company, Chicago, Ill. Combined radio and phonograph cabinet. 128,829; Aug. 12.
Imperial Glass Corporation. (See Uhrmann, Carl J., assignor.)
International Silver Company. (See Stark, Frederick W., assignor.)
Jacobs, Vera, New York, N. Y. Dress. 128,908; Aug. 12.
Jacobs, Vera, New York, N. Y. Dress ensemble. 128,909; Aug. 12.
Jacobson, Rose, New York, N. Y. Hat or similar article. 128,910; Aug. 12.
Jameson, Clarence W., Lombard, assignor to Atlas-Ometer Co., Chicago, Ill. Instrument for determining the light-fastness of color. 128,821; Aug. 12.
Kalman, Louis, New York, N. Y. Textile fabric. 128,846; Aug. 12.
Katz, Adolph, assignor to Cohn & Rosenberger Inc., New York, N. Y. Pin clip. 128,822; Aug. 12.
Katz, Adolph, assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 128,823; Aug. 12.
Katz, Adolph, assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 128,824; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress ensemble. 128,855; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress ensemble. 128,856; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress. 128,857; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress ensemble. 128,867; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress. 128,875; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress. 128,887; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress. 128,911; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress. 128,912; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress. 128,913; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress ensemble. 128,914; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress. 128,915; Aug. 12.
Kaufman, Stella B., New York, N. Y. Dress. 128,916; Aug. 12.
Kessler, Betty, New York, N. Y. Dress. 128,868; Aug. 12.
Koenig, Robert, Hasbrouck Heights, N. J. Embroidered lace trimming or similar article. 128,917; Aug. 12.
Levy, Molly, New York, N. Y. Fur collar. 128,858; Aug. 12.
Lewis, Florence N., New York, N. Y. Combined lipstick holder and eye shadow case. 128,843; Aug. 12.
Linenfelser, Robert W., Monroe, Mich. Vegetable cutter. 128,784; Aug. 12.
Loewy, Raymond, New York, N. Y., assignor to D'Arcy Advertising Co., St. Louis, Mo. Container for bottled products. 128,785; Aug. 12.
Lull, Mary H., New York, N. Y. Gift package. 128,799; Aug. 12.
Magill, Ellen Willett, Chicago, Ill. Vehicle body. 128,825; Aug. 12.
Marley Tile Company Limited, The. (See Steinhard, Ernst, assignor.)
McCann, Clyde D., Des Moines, Iowa. Lighting fixture. 128,786; Aug. 12.
McClintock, Margot K., Solesbury, Pa. Dress ensemble. 128,924; Aug. 12.
McClintock, Margot K., Solesbury, Pa. Dress. 128,925; Aug. 12.
McCoy, Marion, St. Louis, Mo. Dress. 128,918; Aug. 12.
McCoy, Marion, St. Louis, Mo. Dress. 128,919; Aug. 12.
McCoy, Marion, St. Louis, Mo. Dress. 128,920; Aug. 12.
McCoy, Marion, St. Louis, Mo. Dress. 128,921; Aug. 12.
McCoy, Marion, St. Louis, Mo. Dress. 128,922; Aug. 12.
McCoy, Marion, St. Louis, Mo. Dress. 128,923; Aug. 12.
Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 128,800; Aug. 12.
Moran, Alys C. (See Stack, A. J., and Moran.)
Motor Wheel Corporation. (See Wilson, Lawrence H., assignor.)
National Can Corporation. (See Engstrom, Everett E., assignor.)
National Silver Company. (See Russell, John S., assignor.)
Nelson, Bender M., Orange County, assignor of one-half to F. H. Albers, Orange, Calif. Trap for snails, slugs and sow bugs or the like. 128,787; Aug. 12.
Neumann, R. & Company. (See Schiess, Justin, assignor.)
Ohio Fuel Gas Company, The. (See Ullery, Ohmer, assignor.)
Olivan, Simone. (See Stack, A. J., and Olivan.)
Owen, Frank M., Houston, Tex., assignor to American Iron & Machine Works Company, Oklahoma City, Okla. Automatic cathead. 128,826; Aug. 12.
Pacific Plastic & Mfg. Co. (See Gans, Robert J., assignor.)
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Lipstick container. 128,847; Aug. 12.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Lipstick container. 128,848; Aug. 12.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Lipstick container. 128,849; Aug. 12.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Lipstick container. 128,850; Aug. 12.
Pfeil, William Carl, Chicago, Ill. Cabinet for an ice cubing machine. 128,827; Aug. 12.
Porter, Leroy V., Altoona, Iowa. Combined flashlight and detachable reflector. 128,788; Aug. 12.
Price, David W., New York, N. Y. Dress. 128,869; Aug. 12.
Price, David W., New York, N. Y. Dress. 128,876; Aug. 12.
Price, David W., New York, N. Y. Dress. 128,877; Aug. 12.
Price, David W., New York, N. Y. Dress. 128,878; Aug. 12.
Raiffe, Harry, New York, N. Y. Fur collar. 128,859; Aug. 12.
Raiffe, Harry, New York, N. Y. Coat. 128,879; Aug. 12.
Rhodes, Gilbert J., New York, N. Y. Clothes hanger. 128,789; Aug. 12.
Rice, Newton J., Fairhaven, N. J., assignor to Wimelbacher & Rice, New York, N. Y. Mitten. 128,801; Aug. 12.
Richards, Julia, Brooklyn, N. Y. Dress. 128,926; Aug. 12.
Richards, Julia, Brooklyn, N. Y. Dress. 128,927; Aug. 12.
Russell, John S., assignor, by mesne assignments, to National Silver Company, New York, N. Y. Spoon or similar article. 128,828; Aug. 12.
Russell, John S., assignor, by mesne assignments, to National Silver Company, New York, N. Y. Spoon or similar article. 128,829; Aug. 12.
Saioff, Frieda B., New York, N. Y. Dress. 128,888; Aug. 12.
Saioff, Frieda B., New York, N. Y. Dress. 128,889; Aug. 12.
Saioff, Frieda B., New York, N. Y. Dress. 128,890; Aug. 12.
Saio, Frieda B., New York, N. Y. Dress ensemble. 128,891; Aug. 12.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Towel bar. 128,790; Aug. 12.
Sanford, Roy S., assignor to The Autoyre Company, Incorporated, Oakville, Conn. Towel bar. 128,830; Aug. 12.
Scheinfield, Robert R., Philadelphia, Pa. Chair. 128,802; Aug. 12.
Schiess, Justin, Englewood, assignor to R. Neumann & Company, Hoboken, N. J. Leather or similar article. 128,803; Aug. 12.
Schulze, Clarence G., Los Angeles, Calif. Truck. 128,844; Aug. 12.
Shapiro, Nat, New York, N. Y. Dress. 128,860; Aug. 12.
Shapiro, Nat, New York, N. Y. Dress. 128,892; Aug. 12.
Shapiro, Nat, New York, N. Y. Dress. 128,893; Aug. 12.
Silson, Victor, New York, N. Y. Combined brooch and locket. 128,831; Aug. 12.
Silverman, Charles, Providence, R. I. Front for a necktie holder or other similar article of jewelry. 128,804; Aug. 12.
Stack, Arthur J., Westport, Conn., and S. Olivan, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,805; Aug. 12.
Stack, Arthur J., Westport, Conn., and S. Olivan, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,806; Aug. 12.

Stack, Arthur J., Westport, Conn., and A. C. Moran, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,807; Aug. 12.
Stack, Arthur J., Westport, Conn., and A. C. Moran, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,808; Aug. 12.
Stack, Arthur J., Westport, Conn., and A. C. Moran, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,809; Aug. 12.
Stack, Arthur J., Westport, Conn., and A. C. Moran, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,810; Aug. 12.
Stark, Frederick W., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 128,832; Aug. 12.
Steinhard, Ernst, London, assignor to The Marley Tire Company Limited, Riverhead, Sevenoaks, England. Building block. 128,811; Aug. 12.
Steinman, Theodore C., New York, N. Y. Brooch or similar article. 128,833; Aug. 12.
Steinman, Theodore C., New York, N. Y. Brooch or similar article. 128,834; Aug. 12.
Uhrmann, Carl J., assignor to Imperial Glass Corporation, Bellaire, Ohio. Pastry tray or similar article. 128,812; Aug. 12.
Ullery, Ohmer, assignor to The Ohio Fuel Gas Company, Columbus, Ohio. Combined desk and counter or similar article. 128,791; Aug. 12.
Van Der Clute, William W., Elizabeth, N. J. Clothespin. 128,835; Aug. 12.
Van Der Clute, William W., Elizabeth, N. J. Clothespin. 128,836; Aug. 12.
Vernon, William F., Newton, Iowa. Broom rack. 128,837; Aug. 12.
Waltman, Chauncey E., Chicago, Ill. Ironing machine. 128,813; Aug. 12.
Weil, Lewis P., Cynwyd, Pa. Combination supporting bracket and flower holder. 128,838; Aug. 12.
Weinstein, Samuel, New York, N. Y. Dress. 128,894; Aug. 12.
Weinstein, Samuel, New York, N. Y. Dress. 128,895; Aug. 12.
Wells, Clara N., Evanston, Ill. Umbrella rack. 128,814; Aug. 12.
Weston, Alexander S., New York, N. Y. Display stand, for cigarette lighters, flashlights, or the like. 128,792; Aug. 12.
Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Heater. 128,815; Aug. 12.
Wimelbacher & Rice. (See Rice, Newton J., assignor.)
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 128,839; Aug. 12.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acco Products, Inc. (See Kern, Emil, assignor.)
Ackerman, J. Otto, Cleveland, Ohio. Shutter awning. 2,252,677; Aug. 12.
Ackerman, Otto J., Cleveland, Ohio, assignor, by mesne assignments, of one-half to Topeka Tent & Awning Co., Topeka, Kans. Awning arm adjustment. 2,252,109; Aug. 12.
Adamoli, Carlo, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del. Production of very pure magnesium from magnesium ores. 2,251,968; Aug. 12.
Adams, Floyd W., Metuchen, N. J., assignor to The Celotex Corporation, Chicago, Ill. Making corner members. 2,252,539; Aug. 12.
Aetna Standard Engineering Company, The. (See Fisher, Edward J. P., assignor.)
Air Reduction Company. (See Connell, Karl, assignor.)
Air Reduction Company. (See Hughey, Howard G., assignor.)
Aircooled Motors Corporation. (See Doman, Carl T., assignor.)
Airmaster Corporation. (See Hueglin, Herman C., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Kylén, Karl E., assignor.)
Alink, Roelof J. H. (See Holst, G., Alink, and Keuning.)
Alkan, Robert, Paris, France. Gyromagnetic compass. 2,252,338; Aug. 12.
Allegheny Ludlum Steel Corporation. (See Grunow, William R., assignor.)
Allen, Russell G. (See Benoit, J. P., Allen, and Wideman.)
Allerding, Alfred. (See Dallenbach, W., and Allerding.)
Altorfer Bros. Company. (See Castricone, John A., assignor.)
Aluminum Company of America. (See Riesmeyer, August H., assignor.)
Aluminum Company of America. (See Stroup, Philip T., assignor.)
American Bolt Anchor Company. (See Gelpcke, Alfred W., assignor.)
American Can Company. (See Erb, George C., assignor.)
American Can Company. (See Pechy, William, assignor.)
American Chemical Paint Company. (See Gravell, James H.)
American Cyanamid Company. (See Bradley, T. F., and Johnston, assignors.)
American Cyanamid Company. (See Caryl, Coleman R., assignor.)
American Cyanamid Company. (See Durant, Walter W., assignor.)
American Cyanamid Company. (See Hill, W. H., Swain, and Paden, assignors.)
American Cyanamid Company. (See Roblin, Richard O. Jr., assignor.)
American Cyanamid & Chemical Corporation. (See Jaeger, Alphons O.)
American Fork & Hoe Company, The. (See Welch, Arthur R., assignor.)
American Oil Tool Company. (See Miller, Leonidas C., assignor.)
American Rock Wool Corporation. (See Cullison, Walter V., assignor.)
American Smelting and Refining Company. (See Greenhow, M. E., and Jacobson, assignors.)
American Telephone and Telegraph Company. (See Bradford, R. C., and Clark, assignors.)
American Telephone and Telegraph Company. (See Fox, Francis H., assignor.)
American Telephone and Telegraph Company, et al. (See Hanley, F. H., Carter, Davidsmeyer, and Lamberson, assignors.)
American Telephone and Telegraph Company. (See Rougvie, James F., assignor.)
Amundson, Reinert, Jr., Minneapolis, Minn. Rotary reflector for vehicles. 2,252,056; Aug. 12.
Anderson, Charles A., New Rochelle, assignor to Gotham Pressed Steel Corporation, Bronx, N. Y. Game board. 2,252,451; Aug. 12.
Anderson, Harold N. (See Lamprecht, M. W., and Anderson.)
Anderson, Lloyd L., Grand Rapids, assignor to Winters & Crampton Corporation, Grandville, Mich. Refrigerator latch. 2,252,591; Aug. 12.
Anderson, Martin E. (See Reynolds, Frederick A., assignor.)
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Accounting machine. 2,251,969; Aug. 12.
Anemostat Corporation of America. (See Kurth, Franz J., assignor.)

Ansaldo Società Anonima. (See Cortese, Carradino, assignor.)
Anstice, Josiah, & Company. (See Anstice, M. R., and Clague, assignors.)
Anstice, Mortimer R., Rochester, and J. D. Clague, Livonia, assignors to Josiah Anstice & Company, Inc., Rochester, N. Y. Mixing machine. 2,251,903; Aug. 12.
Anthony, Leon P., assignor of one-half to M. A. Reynolds, Los Angeles, Calif. Internal combustion engine. 2,252,153; Aug. 12.
Archer, Erling B., Flushing, N. Y. Crack cutter. 2,252,540; Aug. 12.
Armstrong Paint & Varnish Works. (See Lust, Tracy H., assignor.)
Armendt, Bradshaw F., Baytown, Tex., assignor to Standard Oil Development Company. Method and agent for breaking water-in-oil emulsions. 2,252,110; Aug. 12.
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric steam generator. 2,252,541; Aug. 12.
Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Coating composition and the like. 2,252,486; Aug. 12.
Associated Electric Laboratories, Inc. (See Voss, John H., assignor.)
Atlas Mineral Products Company, The. (See Payne, C. R., and Severs, assignors.)
Audi Vision, Incorporated. (See Jones, Gerald C., assignor.)
Autogiro Company of America. (See Bennett, James A. J., assignor.)
Automatic Button Company. (See Hahn, Bernard, assignor.)
Automatic Canteen Company of America. (See Gallagher, W. P., and Thompson, assignors.)
Automatic Linker, Inc. (See Demarest, D. D., Berendt, and Karius, assignors.)
Automatic Turbine Drive Company. (See Popper, Isaac C., assignor.)
Automotive Economy Corporation. (See Schwarz, Alfred, assignor.)
Automotive Products Company Limited. (See Gates, Geoffrey R. G., assignor.)
Avery, Clarence W., and C. H. Widman, Detroit, and N. C. Clark, Pleasant Ridge, assignors to The Murray Corporation of America, Detroit, Mich. Vehicle body. 2,251,970; Aug. 12.
Baak, Albert E., and G. M. Brown, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel feeding control system. 2,252,154; Aug. 12.
Babcock & Wilcox Company, The. (See Cassidy, Perry R., assignor.)
Babcock & Wilcox Company, The. (See Fletcher, James, assignor.)
Babcock & Wilcox Company, The. (See Gay, Cecil H., assignor.)
Baddour, Joseph S., Los Angeles, Calif. Facial mask. 2,252,423; Aug. 12.
Bagshaw, Charles M., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Press. 2,251,971; Aug. 12.
Bailey, William C., assignor to United States Plywood Corporation, Seattle, Wash. Scarfing machine. 2,252,112; Aug. 12.
Baker, Edison H., New York, N. Y. Driving signal for vehicles. 2,252,339; Aug. 12.
Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)
Baker Perkins Company. (See Garus, Vaughn F., assignor.)
Baker Perkins Limited. (See Pointon, John E., assignor.)
Baker, Philip M., Memphis, Mo. Extension splint. 2,252,607; Aug. 12.
Baldwin, Leonard E., Denver, Colo., assignor to National Gypsum Company, Buffalo, N. Y. Metal wall tie. 2,252,155; Aug. 12.
Ballert, Otto, Berlin, Germany. Dust cart. 2,252,608; Aug. 12.
Balz, Otto, Ludwigshafen-on-the-Rhine, H. Hamacher, Frankenthal, and W. Wagner, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Decomposition of water-insoluble phosphates. 2,252,280; Aug. 12.
Balz, Otto, Ludwigshafen-on-the-Rhine, and H. Hamacher, Frankenthal, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Decomposing water-insoluble phosphates. 2,252,281; Aug. 12.
Banner, Otto A., Highland Park, N. J. Hydraulic transmission. 2,251,972; Aug. 12.
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Control system. 2,252,452; Aug. 12.

Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Automatic control equipment for synchronous frequency converters. 2,252,453; Aug. 12.
Barbieri, Cesare, New York, N. Y., assignor to Dixie-Vortex Company, Chicago, Ill. Container and making same. 2,252,360; Aug. 12.
Barmer Maschinenfabrik, Aktiengesellschaft. (See Bochmann, Otto, assignor.)
Barth, Gustav, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Method and a device for determining the magnitudes of magnetic fields. 2,252,059; Aug. 12.
Batchelder, Augustus H., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Manufacturing asphalts. 2,252,111; Aug. 12.
Bates, Harry. (See Sweeney, J. L., and Bates.)
Bauer, Wilhelm, Hamburg-Wilhelmsburg, Germany. Cultivating machine. 2,252,477; Aug. 12.
Baurdoux, Jan W. (See Skillman, T. S., Baurdoux, and van de Beek.)
Beale, Evelyn S. L., Chelsea, London, and R. Stansfield, Teddington, England, assignors to International Standard Electric Corporation, New York, N. Y. Circuits for integrating and differentiating electric variations. 2,251,973; Aug. 12.
Beary, Mary McC., Catasauqua, Pa. Educational game device. 2,252,678; Aug. 12.
Beck, Virgil R., Chicago, Ill., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Wide-band coupling circuits. 2,252,609; Aug. 12.
Becker, Helmut. (See Leitz, L., Becker, and Brosche.)
Becker, Ned M. (See Edmunds, P. S., and Becker.)
Beecher, Henry W., assignor to Gladding McBean & Company, Seattle, Wash. Furnace construction. 2,251,910; Aug. 12.
Beeh, Louis, Longmeadow, Mass. Adhesive dispenser. 2,252,542; Aug. 12.
Beeh, Louis, Longmeadow, Mass. Liquid dispenser. 2,252,543; Aug. 12.
Beekman, Everett W., and C. W. Jones, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Grid pasting and stacking machine. 2,252,478; Aug. 12.
Behl, Fred H., Milan, Minn. Pivoted power take-off unit. 2,252,610; Aug. 12.
Bell Aircraft Corporation. (See Trotter, John C., assignor.)
Bell, Harry L. (See Kennison, F., and Bell.)
Bell, Joseph D., San Francisco, Calif. Pressure drive mechanism. 2,252,156; Aug. 12.
Bell, Leroy V., Wakefield, R. I. Package, package opener, and stamp canceler. 2,252,611; Aug. 12.
Bell Telephone Laboratories, Incorporated. (See Calbick, C. J., and Cook, assignors.)
Bell Telephone Laboratories, Incorporated, et al. See Hanley, F. H., Carter, Howard, Davidsmeyer, and Lamberson, assignors.)
Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hawkins, Russell S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ohl, Russell S., assignor.)
Belmont Radio Corporation. (See Plensler, Alexander W., assignor.)
Beloit Iron Works. (See Berry, E. E., and Hornbostel, assignors.)
Benander, George B., Oaklawn, R. I., assignor to The Monowatt Electric Corporation. Plug receptacle. 2,252,454; Aug. 12.
Bendix Aviation Corporation. (See Martin, Thomas B., assignor.)
Bendix Aviation Corporation. (See Price, Harold W., assignor.)
Bendix Aviation Corporation. (See Rafferty, Christopher A., assignor.)
Bennet, Carl W. H. D., and A. J. E. Rylander, Stockholm, assignors to L. G. V. Bennet, Runeborg, Stocksund, Sweden. Liquid pump. 2,252,244; Aug. 12.
Bennet, Louise G. V. (See Bennet, C. W. H. D., and Rylander, assignors.)
Bennett, Claude C., South Bend., Ind., assignor to A. E. Feragen, Inc., Seattle, Wash. Power tester. 2,251,911; Aug. 12.
Bennett, James A. J., Esher, England, assignor, by mesne assignments, to Autogiro Company of America. Aircraft having rotative sustaining wings or blades. 2,252,544; Aug. 12.
Benoit, Joseph P., R. G. Allen, and L. H. Wideman, Alton, Ill., assignors to Owens-Illinois Glass Company. Glass blowing machine. 2,252,391; Aug. 12.
Benoit, Joseph P., R. G. Allen, and L. H. Wideman, Alton, Ill., assignors to Owens-Illinois Glass Company. Glass shearing mechanism. 2,252,392; Aug. 12.
Benson, Norman D., Iron Mountain, Mich. Vehicle direction signal switch. 2,252,245; Aug. 12.
Benz, Walter, Leverkusen-Schlebusch, assignor to Klöckner-Humboldt-Deutz Aktiengesellschaft, Cologne-Deutz, Germany. Synchronizer. 2,252,545; Aug. 12.
Berck, William F., Hayward, assignor to Ralph N. Brodie Company, Oakland, Calif. Predetermining counter for fluid meters. 2,251,974; Aug. 12.
Berendt, Carl. (See Demarest, D. D., Berendt, and Karius.)
Bergin, William M., Granville, and A. L. Simison, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation. Insulating bat. 2,252,157; Aug. 12.
Bergmans, Jan, and C. A. Lamberts, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Opical system. 2,252,246; Aug. 12.
Berry, Earl E., and L. Hornbostel, assignors to Beloit Iron Works, Beloit, Wis. Fourdrinier wire stringing carriage. 2,251,912; Aug. 12.
Bevill, William F., Huntington, W. Va. Time recorder and key holder. 2,252,487; Aug. 12.
Beyer, Anneliese, Berlin, assignor to Chemische Fabrik Joh. A. Benckiser, Ludwigshafen-on-the-Rhine, Germany. Obtaining esters of polymeric metaphosphoric acid. 2,252,479; Aug. 12.
Bierend, Alfred, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pressure-sealing fastening for vessel covers. 2,252,488; Aug. 12.
Bigelow, Julian H., assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,252,424; Aug. 12.
Bigelow, Maurice H., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Preparation of stearates and palmitates. 2,252,658; Aug. 12.
Bingley, Frank J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Direct and alternating current amplifier. 2,252,612; Aug. 12.
Bingley, Frank J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Signal transmission system. 2,252,613; Aug. 12.
Bishel, Robert W., McKees Rocks, Pa. Dustless grinder. 2,252,455; Aug. 12.
Bixby, Leo A., Kalamazoo, assignor to Clark Equipment Company, Buchanan, Mich. Gear shifting mechanism. 2,252,158; Aug. 12.
Bjorge, Oscar B., Portland, Oreg. Band brake. 2,252,247; Aug. 12.
Blaisdell, Harold L. (See Freeman, R. L., and Blaisdell.)
Blake, Edmund E., Saco, assignor, by mesne assignments, to Saco-Lowell Shops, Biddeford, Maine. Sliver drawing mechanism. 2,252,546; Aug. 12.
Blaney, Arthur C., Los Angeles, Calif., assignor to Radio Corporation of America. Sound film reproducing system. 2,252,282; Aug. 12.
Blank, Rudolph H., Walcott, Iowa. Corn picker. 2,252,159; Aug. 12.
Blessin, Siegfried E., Short Hills, N. J., assignor to Transportation Sash Co., Inc., Topton, Pa. Bus or car window construction. 2,252,547; Aug. 12.
Blessing, Gregory W., Moorestown, N. J., assignor to Radio Corporation of America. Heater circuit for radio apparatus. 2,252,057; Aug. 12.
Blood, Perley T., assignor of one-half to W. A. Bower, Hamilton, Mont. Sanding machine. 2,252,160; Aug. 12.
Bluemle, Arnold A., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Signal switch. 2,252,489; Aug. 12.
Blumenthal Sidney & Co. Inc. (See Koch, Fritz, assignor.)
Bochmann, Otto, Remscheid-Lennep, assignor to Barmer Maschinenfabrik, Aktiengesellschaft, Wuppertal-Oberbarmen, Germany. Arrangement for the production of winding bodies. 2,252,592; Aug. 12.
Bochow, Walter, Brooklyn, assignor to Equitable Paper Bag Co., Inc., Long Island City, N. Y. Rotary lip knife for bag machines. 2,251,975; Aug. 12.
Boeing Aircraft Company. (See Haberlin, John F., assignor.)
Bond, Donald S., Philadelphia, Pa., assignor to Radio Corporation of America. Testing resonant circuits. 2,252,058; Aug. 12.
Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company. Top bunker refrigerator car. 2,252,225; Aug. 12.
Boothroyd, Hubert. (See Pratt, J. W., and Boothroyd.)
Booba, Antone S., Oakland, Calif. Clear view structure for vehicles. 2,252,161; Aug. 12.
Borg-Warner Corporation. (See Hubacker, Earl F., assignor.)
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Parasiticidal composition. 2,252,548; Aug. 12.
Börkey, Walter, Hagen, Germany, assignor to Rendan Holdings Limited, Guernsey, Channel Islands. Apparatus for use in the manufacture of barricades. 2,252,490; Aug. 12.
Bostock, Raymond N., Upper Montclair, N. J. Deaerator for carbonating systems. 2,252,313; Aug. 12.
Bothmann, Hans, Aken, and W. Mannchen, Dessau, Anhalt, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Aluminum alloy rivet. 2,252,361; Aug. 12.
Boulet, Georges, Plessis-Robinson, France. High speed internal composition engine. 2,252,480; Aug. 12.
Bowen, Joel T., Waco, Tex. Coffee making device. 2,252,614; Aug. 12.
Bower, William A. (See Blood, Perley T., assignor.)
Bradford, Raymond C., Hamden, and G. C. Clark, West Haven, Conn., assignors to American Telephone and Telegraph Company. Intercommunicating circuit. 2,252,549; Aug. 12.
Bradley, Theodore F., and W. B. Johnston, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Complex esters and producing same. 2,252,393; Aug. 12.

Bragg, Leslie B., Scotch Plains, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Fractional distillation. 2,252,550; Aug. 12.
Branch, Thomas H. (See Clawson, C. D., and Branch.)
Brase, Arthur H., Orange, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Box squeeze. 2,252,283; Aug. 12.
Breed, Charles W. (See Burkhardt, G. R., and Breed.)
Breese, James L., Santa Fe, N. Mex., assignor, by mesne assignments, to The Estate Stove Company, Hamilton, Ohio. Burner for liquid fuels. 2,252,162; Aug. 12.
Brennan, Joseph B., Euclid, Ohio. Electrode for storage batteries. 2,251,913; Aug. 12.
Breth, Walter J., M. Engler, and H. T. Kraft, assignors to The General Tire & Rubber Company, Akron, Ohio. Tire building machine. 2,251,904; Aug. 12.
Breuer, Leo, Wuppertal-Barmen, Germany. File for form slips and the like. 2,252,615; Aug. 12.
Bridge, Edward W., Philadelphia, Pa. Candy shaping machine. 2,252,248; Aug. 12.
Brigham, E. F. P., et al. (See Hayden, George W., assignor.)
Brodie, Ralph N., Company. (See Berck, William F., assignor.)
Brodie, Ralph N., Company. (See Renfrew, Paul, assignor.)
Broeren, Frank L., Neenah, and A. S. Krueger, Green Bay, assignors to Marathon Paper Mills Company, Rothschild, Wis. Dispenser carton holder. 2,252,616; Aug. 12.
Brollier, Eleanor G. (See Brollier, John C. and E. G.)
Brollier, John C. and E. G., Los Angeles, assignors to A. O. Hanisch, Altadena, Calif. Mascara applicator. 2,252,551; Aug. 12.
Broschke, Heinrich. (See Leitz, L., Becker, and Broschke.)
Brown, Edward K., Winnetka, Ill., assignor to Brown-Shields, Inc. Lawn rake. 2,252,114; Aug. 12.
Brown, Gilman W., Danvers, assignor of one-half to C. H. Endee, Milton, Mass. Indicator for internal combustion engines. 2,251,976; Aug. 12.
Brown, Guy M. (See Baak, A. E., and Brown.)
Brown Instrument Company, The. (See Krogh, Anker E., assignor.)
Brown Instrument Company, The. (See Moore, Coleman B., assignor.)
Brown, Kenneth, Atlanta, Ga. Towel and washcloth bar. 2,252,249; Aug. 12.
Brown-Shields, Inc. (See Brown, Edward K., assignor.)
Brue, Walter D., Center Township, Winnebago County, Iowa. Filler for grease guns. 2,252,115; Aug. 12.
Bruene, Rudolph W., Cushing, Iowa. Soil conserving damming attachment for cultivators. 2,252,593; Aug. 12.
Bryant, Frank D., Stratford, and W. R. Young, Fairfield, Conn., assignors to General Electric Company. Lamp holder. 2,252,340; Aug. 12.
Buchman, Albert H., Swampscott, Mass., assignor to General Electric Company. Elastic fluid turbine arrangement. 2,252,456; Aug. 12.
Bucler-Smulders, Anton. (See Heer, Oskar, assignor.)
Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Wheel. 2,252,163; Aug. 12.
Burkhardt, George R., Chicago, and C. W. Breed, Western Springs, Ill. Adjustable switch rod. 2,252,617; Aug. 12.
Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Well cementing apparatus. 2,251,977; Aug. 12.
Bussey Pen Products Company. (See Mager, Alexander W., assignor.)
Byers, John R., Jr. (See Dickey, J. B., and Byers.)
Byrone, John A., Chicago, Ill. Pouring spout. 2,252,250; Aug. 12.
Cadwell, Charles A., and N. G. Carlson, Cleveland Heights, assignors to The Electric Railway Improvement Company, Cleveland, Ohio. Rail cleaning device. 2,251,978; Aug. 12.
Cahn, Frank J. (See Harris, B. R., and Cahn.)
Calbick, Chester J., Chatham, and J. C. Cook, Westwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Luminescent coating. 2,252,552; Aug. 12.
California Fruit Growers Exchange. (See Brase, Arthur H., assignor.)
Camomile, Ralph C. (See Kluse, P. G., and Camomile.)
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Safety valve. 2,251,979; Aug. 12.
Campbell, George E., assignor to The Wheland Company, Chattanooga, Tenn. Rotary machine. 2,252,618; Aug. 12.
Campbell, Joseph, Bergenfield, N. J. Safety grip electric plug. 2,252,553; Aug. 12.
Cantor, Jacob J., Los Angeles, Calif. Vacuum breaker. 2,252,164; Aug. 12.
Carbide and Carbon Chemicals Corporation. (See Chitwood, Henry C., assignor.)
Carborundum Company, The. (See Tone, F. J., and Martin, assignors.)
Card, Arthur V., assignor to The C. S. Card Iron Works Company, Denver, Colo. Spring mounting. 2,251,980; Aug. 12.
Card, Arthur V., assignor to The C. S. Card Iron Works Company, Denver, Colo. Dump car. 2,251,981; Aug. 12.
Card, Arthur V., assignor to The C. S. Card Iron Works Company, Denver, Colo. Railway car coupler. 2,251,982; Aug. 12.
Card, C. S. Iron Works Company, The. (See Card, Arthur V., assignor.)
Carlson, Gustave A., Detroit, Mich. Rotary work holding machine. 2,252,594; Aug. 12.
Carlson, Harold A. (See Gordon, D., and Carlson.)
Carlson, Noble G. (See Cadwell, C. A., and Carlson.)
Carothers, Wallace H., deceased, by the Wilmington Trust Company, executor, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric material. 2,252,554; Aug. 12.
Carothers, Wallace H., deceased, by the Wilmington Trust Co., executors, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Polymeric material. 2,252,555; Aug. 12.
Carrom Industries, Inc. (See Stearns, Freeman R., assignor.)
Carter Carburetor Corporation. (See Gordon, D., and Carlson, assignors.)
Carter, Frank J. (See Hanley, F. H., Carter, Davidsmeyer, and Lamberson.)
Carus, Vaughn F., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Cracker machine. 2,252,362; Aug. 12.
Carus, Vaughn F., assignor to Baker Perkins Company, Inc., Saginaw, Mich. Cracker machine. 2,252,363; Aug. 12.
Caryl, Coleman R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Curing surface covering materials. 2,252,394; Aug. 12.
Casco Products Corporation. (See Cohen, Joseph H., assignor.)
Case, W. A., and Son Manufacturing Company. (See Kohlmeyer, George W., assignor.)
Casper, Louis, Richmond Hill, assignor to The Western Union Telegraph Company, New York, N. Y. Signal storing device. 2,252,060; Aug. 12.
Cassel, Norman S., Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Printing textiles. 2,251,914; Aug. 12.
Cassidy, Perry R., Short Hills, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heater. 2,252,061; Aug. 12.
Castricone, John A., assignor to Altorfer Bros. Company, Peoria, Ill. Ironing machine structure. 2,252,165; Aug. 12.
Celanese Corporation of America. (See Scull, Frank R., assignor.)
Celanese Corporation of America. (See Wild, Harry, assignor.)
Celatex Corporation, The. (See Adams, Floyd W., assignor.)
Chemische Fanrik Joh. A. Benckiser. (See Beyer, Anneliese, assignor.)
Child, Edward R., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Control surface tab mechanism. 2,252,284; Aug. 12.
Chirelx, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Communication system using modulated waves. 2,252,062; Aug. 12.
Chitwood, Henry C., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Making vinyl esters and other esters of unsaturated alcohols. 2,251,983; Aug. 12.
Clack, Frances J., Albuquerque, N. Mex. Article holding stand. 2,252,619; Aug. 12.
Clague, James D. (See Anstice, M. R., and Clague.)
Clark Equipment Company. (See Burger, Frederick W., assignor.)
Clark Equipment Company. (See Mills, Burton L., assignor.)
Clark, George C. (See Bradford, R. C., and Clark.)
Clark, Gilbert R., Brooklyn, N. Y., assignor to Radio Corporation of America. Phase corrector for multiplex telegraph systems. 2,252,364; Aug. 12.
Clark, Noble C. (See Avery, C. W., Widman, and Clark.)
Clark Equipment Company. (See Lapsley, Robert, assignor.)
Clark Equipment Company. (See Bixby, Leo A., assignor.)
Clarkson, Ralph P., Milford, Conn. Two-way rail fastening. 2,252,116; Aug. 12.
Clawson, Chester D., Pine Lawn, and T. H. Branch, assignors to St. Louis Lift & Equipment Corporation, St. Louis, Mo. Vehicle lift. 2,252,166; Aug. 12.
Cleaver, Richard F., I. R. J. James, and C. F. A. Wagstaffe, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Oscillograph scale system. 2,251,984; Aug. 12.
Cloyd, Hance G., Toppenish, Wash. Sandless bender. 2,252,491; Aug. 12.
Coats, Clen D., assignor of one-half to S. Fields, Miami, Okla. Tape printing and dispensing machine. 2,251,985; Aug. 12.
Cockerell, Christopher S., Danbury, England, assignor to Radio Corporation of America. Radio direction finder. 2,252,063; Aug. 12.

Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Relay apparatus. 2,252,457; Aug. 12.
Cohen, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Radio antenna for automobiles. 2,252,395; Aug. 12.
Collings, Lewis D. (See Stewart, Howard R., assignor.)
Combustion Engineering Company. (See Rosencrants, Fay H., assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Chireix, Henri, assignor.)
Condon, Martha P. (See Zaken, Lester, assignor.)
Conklin, James W., Audubon, and S. Gubin, Erlton, N. J., assignors to Radio Corporation of America. Grounded plate amplifier. 2,252,458; Aug. 12.
Connell, Karl, Branch, N. Y., assignor to Air Reduction Company, Incorporated. Apparatus and method for the administration of gases. 2,251,986; Aug. 12.
Conover, Courtney, assignor to Monsanto Chemical Company, St. Louis, Mo. Benzoic acid purification. 2,252,117; Aug. 12.
Consolidated Aircraft Corporation. (See Laddon, I. M., and Ring, assignors.)
Conway, Carle C., Jr., Scarborough, assignor to Continental Can Company, Inc., New York, N. Y. Container. 2,251,987; Aug. 12.
Continental Can Company. (See Conway, Carle C., Jr., assignor.)
Cook, John C. (See Calbick, C. J., and Cook.)
Cooper, Frederick B., Moose Jaw, Saskatchewan, Canada. Rotary tooth cleaner. 2,252,251; Aug. 12.
Cornell, Edward S., Jr., Larchmont, N. Y. Heat exchange unit and system. 2,252,064; Aug. 12.
Cortese, Corradino, assignor to Ansaldo Società Anonima, Genoa Cornigliano, Italy. Automatic feed water regulator for steam boilers. 2,252,492; Aug. 12.
Cox, William J., Woodruff, Utah. Vehicle wheel. 2,252,481; Aug. 12.
Coy, Don W., assignor, by mesne assignments, to United Biscuit Company of America, Chicago, Ill. Printing plate locking. 2,252,167; Aug. 12.
Craftsman Line-Up Table Corporation. (See West, J., and Davis, assignors.)
Crede, Charles E., assignor to Standard Railway Refrigerator Company, Chicago, Ill. Refrigerator car. 2,252,226; Aug. 12.
Creighton, Thomas A., Long Beach, assignor of one-half to M. H. Wright, Los Angeles, Calif. Well bit. 2,252,168; Aug. 12.
Criley, William W., Cleveland, Ohio. Control valve for drop hammers. 2,252,314; Aug. 12.
Crooker, Clarence A., Mankato, Minn. Draft control device. 2,252,425; Aug. 12.
Crosby, Stephen A., New York, assignor to Speed Products Company, Long Island City, N. Y. Stapling pliers. 2,251,915; Aug. 12.
Crosby, Stephen A., Jackson Heights, assignor to Speed Products Company, Long Island City, N. Y. Stapling pliers. 2,251,917; Aug. 12.
Crosiar, Glenn F., Chicago, Ill. Oil burner. 2,252,556; Aug. 12.
Cross, Louis H., Rochester, England. Rowlock for rowing and sculling boats. 2,252,252; Aug. 12.
Cross, Roy, Kansas City, Mo. Water mining soluble materials. 2,251,916; Aug. 12.
Cross, Roy, and W. M. Cross, Jr., assignors to Kansas City Testing Laboratory, Kansas City, Mo. Drilling. 2,252,669; Aug. 12.
Cross, Walter M. Jr. (See Cross, Roy and W. M., Jr.)
Culligan, Emmett J., La Grange, assignor to Culligan Zeolite Co., Northbrook, Ill. Method and apparatus for treating water softeners. 2,252,065; Aug. 12.
Culligan Zeolite Co. (See Culligan, Emmett J., assignor.)
Cullison, Walter V., assignor to American Rock Wool Corporation, Wabash, Ind. Oil-treated mineral wool. 2,252,169; Aug. 12.
Cunningham, Harry G. (See Eglinton, W., and Cunningham.)
Curran, Alton F., Malden, Mass. Purging the internal parts of internal combustion engines. 2,251,988; Aug. 12.
Curtiss-Wright Corporation. (See Child, Edward R., assignor.)
Curtiss-Wright Corporation. (See Hathorn, Charles E., assignor.)
Cutler-Hammer, Inc. (See Rosing, Theodore F., assignor.)
Czerwin, Edward P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,252,557; Aug. 12.
Dallenbach, Walter, Berlin-Charlottenburg, and A. Allerding, Friedrichshagen, near Berlin, assignors to Julius Pintsch Kommanditgesellschaft, Berlin, Germany. Electron tube. 2,252,118; Aug. 12.
Dallos, George, assignor to United Incandescent Lamp & Electrical Company, Limited, Ujpest, Hungary. Interference responsive circuit. 2,252,066; Aug. 12.
Daniels, Claude H., Greenwich, Conn. Insole. 2,252,595; Aug. 12.
Davidsmeyer, Orville H. (See Hanley, F. H., Carter, Davidsmeyer, and Lamberson.)
Davis, George W. and W. C., assignors to G. W. Davis Corporation, Richmond, Ind. Lawn mower. 2,251,905; Aug. 12.
Davis, G. W., Corporation. (See Davis, George W. and W. C.)
Davis, Walter C. (See Davis, George W. and W. C.)
Davis, William M. (See West, J., and Davis.)
Dawson, Horace W., Fort Lewis, Wash. Antiaircraft projectile. 2,251,918; Aug. 12.
Dean, Marvin E., Collinsville, Ill. Flag support for motor vehicles. 2,251,989; Aug. 12.
De Boer, Jan H., and C. J. Dippel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Vibration record and making the same. 2,251,919; Aug. 12.
Decker, Clement. (See Taylor, R. S., and Decker.)
Defiance Spark Plugs, Inc. (See Dutterer, Rex J. L., assignor.)
Degener, John F., III. (See Slaughter, Philip H., assignor.)
Deicken, Louis A., San Francisco, Calif. Flashlight with interchangeable reflectors. 2,251,920; Aug. 12.
De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Liquid control valve. 2,252,459; Aug. 12.
DeLong, Raleigh, assignor of forty per cent to Fohs Oil Company, Houston, Tex. Coring device. 2,252,620; Aug. 12.
Demarest, Daniel D., Little Neck, N. Y., and C. Berendt, East Orange, and W. Karius, Irvington, assignors to Automatic Linker, Inc., Newark, N. J. Device for manually adjusting machines. 2,252,670; Aug. 12.
Dennis, Luther D., Comanche, Okla. Dispensing machine. 2,252,493; Aug. 12.
Derman, Harry, Laurelton, N. Y. Shoe cabinet. 2,252,067; Aug. 12.
De Young, Frank, Chicago, Ill. Material unloading system. 2,251,990; Aug. 12.
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dickey, Joseph B., and J. R. Byers, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and materials colored therewith. 2,251,921; Aug. 12.
Dickey, Joseph B., Rochester, N. Y., and J. B. Normington, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. N-nitroaryl tetrahydroquinoline compounds and material colored therewith. 2,251,922; Aug. 12.
Dippel, Cornelis J. (See De Boer, J. H., and Dippel.)
Dixie-Vortex Company. (See Barbieri, Cesare, assignor.)
Dixie-Vortex Company. (See Labombarde, Harold S., assignor.)
Dodson, Henry W., St. Louis, Mo. Traffic appliance. 2,252,558; Aug. 12.
Doering, Henry H., Chicago, Ill. Cheese plasticizing composition. 2,252,170; Aug. 12.
Doman, Carl T., Geddes, assignor to Aircooled Motors Corporation, Syracuse, N. Y. Lubricating rocker arm support for engine valve mechanism. 2,252,171; Aug. 12.
Donning, Henry B., New Rochelle, N. Y. Adjustable pattern. 2,252,068; Aug. 12.
Dorée, Silvia, New York, N. Y. Scuff. 2,252,315; Aug. 12.
Dougherty, Charles R. (See Greenleaf, R. L., and Dougherty.)
Dow Chemical Company, The. (See Hanawalt, Joseph D., assignor.)
Dow Chemical Company, The. (See Peterson, N. R., and Sherk, assignors.)
Dow Chemical Company, The. (See Sherk, J. L., and Peterson, assignors.)
Dow Chemical Company, The. (See Wiley, Ralph M., assignor.)
Drane, Phillips B., Tulsa, Okla. Hatch controlled valve for storage tanks. 2,251,924; Aug. 12.
Dreis, Henry N., Duluth, Minn. Cigarette package opener. 2,252,559; Aug. 12.
Driver, Wilbur B., et al. (See Van Sant, Victor H., assignor.)
Druyvesteyn, Marl J., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ionic discharge tube. 2,251,923; Aug. 12.
Duisberg, Walter H. (See Balz, O., and Hamacher.)
Duisberg, Walter H. (See Balz, O., Hamacher, and Wagner, assignors.)
Duisberg, Walther H. (See Bothmann, H., and Mannchen, assignors.)
Duisberg, Walther H. (See Zirngibl, H., and Zur Strassen.)
Dumur, Frank. (See Leitz, L., Becker, and Broschke.)
Dumur, Frank. (See Wagner, Adam, assignor.)
Duncan Electric Manufacturing Company. (See Green, Stanley S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carothers, Wallace H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Czerwin, Edward P., assignor.)
Du Pont, E. I., de Nemours & Company. (See Müller, P., and Herrmann, assignors.)
Du Pont, E. I., de Nemours & Company. (See Rothrock, Henry S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sommaripa, Alexis, assignor.)

Durant, Walter W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Surface covering material manufacture. 2,252,396; Aug. 12.

Durant, Walter W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Acceleration of the curing of surface covering materials. 2,252,397; Aug. 12.

Durant, Walter W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Curing surface covering materials. 2,252,398; Aug. 12.

Durant, Walter W., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Surface covering material. 2,252,399; Aug. 12.

Du Rostu, Georges L., Paris, assignor to Société Anonyme; Andre Citroën, Paris (Seine), France. Self-clamping jack. 2,252,494; Aug. 12.

Dusco, John J. (See Seidel, H. Y., and Dusco.)

Düsing, Werner, Berlin-Tempelhof, Germany, assignor to General Electric Company. Vitreous composition. 2,252,495; Aug. 12.

Dutterer, Rex J. L., assignor to Defiance Spark Plugs, Inc., Toledo, Ohio. Spark plug and making. 2,252,496; Aug. 12.

E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)

E Z. I. Needle Company. (See Rainville, Omer J., assignor.)

Eastman Kodak Company. (See Dickey, J. B., and Byers, assignors.)

Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)

Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)

Edmonds, Henry N., Anderson, S. C. Infant's or invalid's feeding spoon. 2,252,119; Aug. 12.

Edmunds, Phillip S., and N. M. Becker, Chicago, Ill. Toaster. 2,251,925; Aug. 12.

Edlinton, William, Reseda, and H. G. Cunningham, Los Angeles, Calif., assignors to Radio Corporation of America. Soundproof wall structure. 2,252,285; Aug. 12.

Eichler, Ulrich, Glashutte, Germany. Calculating machine. 2,252,621; Aug. 12.

Electric Household Utilities Corporation. (See Gerhardt, Andrew H., assignor.)

Electric Railway Improvement Company, The. (See Cadwell, C. A., and Carlson, assignors.)

Electrical Testing Laboratories. (See Little, William F., assignor.)

Elevator Safety Corporation. (See Spiro, Walter, assignor.)

Embree, Herbert, Hamilton, Ontario, Canada, assignor to Griplock, Inc., New York, N. Y. Wire strapping tool. 2,252,560; Aug. 12.

Emulsol Corporation, The. (See Harris, B. R., and Cahn, assignors.)

Emulsol Corporation, The. (See Katzman, Morris, assignor.)

Endee, Charles H. (See Brown, Gilman W., assignor.)

Engel, William C., Chicago, Ill. Theft alarm. 2,252,497; Aug. 12.

Engel, William T., Irvington, N. J., assignor to Radio Corporation of America. Wire feeder. 2,252,561; Aug. 12.

Engler, Max. (See Breth, W. J., Engler, and Kraft.)

Equitable Paper Bag Co. (See Bochow, Walter, assignor.)

Erasmus, Errol du P. (See Reid, O. W., and Erasmus.)

Erb, George C., Forest Hills, assignor to American Can Company, New York, N. Y. Container. 2,251,926; Aug. 12.

Ericson, George R., Kirkwood, Mo. Carburetor. 2,252,120; Aug. 12.

Ermel, Heinrich, Berlin, Germany, assignor to the firm Riddell Skislide Company of America, New York, N. Y. Slide for sport, amusement, and artistic purposes. 2,251,927; Aug. 12.

Estate Stove Company, The. (See Breese, James L., assignor.)

Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)

Everitt, Philip F., Ilford, assignor of two-thirds to A. J. Hughes, Chigwell Row, Essex, and Henry Hughes & Son, Limited, London, England. Sextant and similar instruments for angular measurement. 2,252,341; Aug. 12.

Ex-Cell-O-Corporation. (See Snader, Ira J., assignor.)

Fairey Aviation Company Limited, The. (See Youngman, Robert T., assignor.)

Falcon Bronze Company, The. (See Wick, James L., Jr., assignor.)

Falcon Bronze Company, The. (See Wick, J. L., Jr., and Nesselbush, assignors.)

Fedders Manufacturing Company. (See Schmidt, Harry, assignor.)

Felix, Otto. (See Ralston, H. D., and Felix.)

Fellner, Alphonse E., assignor to Porcelain Structures, Inc., Belleville, Ill. Supporting structure for porcelain enameled pans. 2,251,991; Aug. 12.

Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)

Ferguson, George M., Portland, Oreg. Parking meter. 2,252,253; Aug. 12.

Ferranti Electric Limited. (See Sweeny, R. L., and Richards, assignors.)

Fesenmaier, Hugo E., Minneapolis, Minn. Oil temperature regulator. 2,252,254; Aug. 12.

Field, William J., and N. J. Quam, assignors to Lectro Company, Minneapolis, Minn. Battery frame for a hearing aid. 2,251,928; Aug. 12.

Fields, Sam. (See Coats, Clen D., assignor.)

"Filature du Canal, Societe Anonyme." (See Liebaut, Joseph E., assignor.)

Finley, Thomas M., Irondale, Mo. Semidirigible flying machine. 2,252,342; Aug. 12.

Fischer-Schnutz, Adolf, Basel, Switzerland. Veneering press and the like. 2,252,040; Aug. 12.

Fisher, Edward J. P., North Jackson, assignor to The Aetna Standard Engineering Company, Youngstown, Ohio. Die holder. 2,252,365; Aug. 12.

Flaws, John, Jr., East Cleveland, Ohio, assignor to General Electric Company. Apparatus for feeding glass flares. 2,252,498; Aug. 12.

Flaws, John, Jr., East Cleveland, Ohio, assignor to General Electric Company. Control apparatus. 2,252,499; Aug. 12.

Fleming, Frank E. (See Fleming, Ivan R. and F. E.)

Fleming, Ivan R. and F. E., Liverpool, England. Life boat and launching tackle therefor. 2,252,343; Aug. 12.

Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Heat exchanger. 2,252,069; Aug. 12.

Fletcher Works, Incorporated. (See Schaum, Otto W., assignor.)

Flory, Leslie E., Oaklyn, and G. A. Morton, Audubon, N. J., assignors to Radio Corporation of America. Picture transmitter tubes. 2,251,992; Aug. 12.

Flowers, Henry F., Findlay, Ohio. Dump vehicle. 2,251,993; Aug. 12.

Fohs Oil Company. (See DeLong, Raleigh, assignor.)

Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Preparing fluorescent materials. 2,252,500; Aug. 12.

Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Material handling system. 2,252,501; Aug. 12.

Forged Carbides Incorporated. (See Kratky, Anton, assignor.)

Fox, Francis H., Detroit, Mich., assignor to American Telephone and Telegraph Company. Start-stop regenerative telegraph repeater. 2,252,622; Aug. 12.

Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Making electromagnetic cores. 2,252,461; Aug. 12.

Freeman, Robert L., and H. L. Blaisdell, Flushing, N. Y., assignors to Hazeltine Corporation. Television control system. 2,251,929; Aug. 12.

French, Roger, Manchester, England. Curtain and the like and suspending same. 2,252,070; Aug. 12.

Frese, Joseph F., as trustee. (See McCauley, John H., assignor.)

Frey, Delton R. (See Prutton, C. F., Smith, and Frey.)

Frick Company. (See Shenton, Francis, assignor.)

Frische, Kurt, Bensheim, Hessen, Germany. Device for removing the woody matter from fiber-containing stalks. 2,252,502; Aug. 12.

Frost, Walter, assignor to the firm Silesia Verein Chemischer Fabriken, Saarau, Kreis Schweidnitz, Germany. Condensation product containing sulphur. 2,252,366; Aug. 12.

Fuglie, Elmer A., Winona, Minn. Reboring machine. 2,252,121; Aug. 12.

Fulton, Frank, Whitesville, W. Va. Conveyor head shifting device. 2,252,255; Aug. 12.

Gair Company Canada Limited. (See Swanson, W. R., and Rintoul, assignors.)

Galeazi, Walter, San Francisco, Calif. Remote control door operator. 2,252,172; Aug. 12.

Gallagher, William P., Chicago, and E. H. Thompson, Winnetka, assignors to Automatic Canteen Company of America, Chicago, Ill. Selective gum vending machine. 2,251,994; Aug. 12.

Ganley, William, New York, N. Y. Apparatus for making of photographic contact copies of documents. 2,252,562; Aug. 12.

Gates, Geoffrey R. G., assignor of one-half to Automotive Products Company Limited, London, England. Servo brake mechanism. 2,252,482; Aug. 12.

Gay, Cecil H., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Steam generator. 2,252,071; Aug. 12.

Gellman, Israel C. (See Petskeyes, C. H., and Gellman.)

Gellman Manufacturing Company. (See Petskeyes, C. H., and Gellman, assignors.)

Gelpeke, Alfred W., Brooklyn, N. Y., assignor to American Bolt Anchor Company. Screw anchor. 2,252,316; Aug. 12.

General Electric Company. (See Bany, Herman, assignor.)

General Electric Company. (See Bryant, F. D., and Young, assignors.)

General Electric Company. (See Buchman, Albert H., assignor.)

General Electric Company. (See Cockrell, William D., assignor.)

General Electric Company. (See Düsing, Werner, assignor.)

General Electric Company. (See Flaws, John, Jr., assignor.)

General Electric Company. (See Fonda, Gorton R., assignor.)

General Electric Company. (See Hänlein, Walter, assignor.)

General Electric Company. (See Marshaus, Anthony J., assignor.)

General Electric Company. (See Niles, Everett, assignor.)

General Electric Company. (See Petersen, W., and Gumprecht, assignors.)

General Electric Company. (See Safford, Moyer M., assignor.)

General Electric Company. (See Spanner, Hans J., assignor.)

General Electric Company. (See Stimson, Allen G., assignor.)

General Electric Company. (See Stratton, Jerry L., assignor.)

General Electric Company. (See Teker, John W., assignor.)

General Electric Company. (See Wright, Daniel K.)

General Motors Corporation. (See Beckman, E. W., and Jones, assignors.)

General Motors Corporation. (See Bluemle, Arnold A., assignor.)

General Motors Corporation. (See Gibson J. Lowell, assignor.)

General Motors Corporation. (See Hartzell, Herman L., assignor.)

General Motors Corporation. (See Rataiczak, Francis I., assignor.)

General Motors Corporation. (See Smith, Harry F., assignor.)

General Tire & Rubber Company, The. (See Breth, W. J., Engler, and Kraft, assignors.)

General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)

General Tire & Rubber Company, The. (See McCoy, William C., assignor.)

Genin, Kalman. (See Valentine, P. W., and Genin.)

Gerhardt, Andrew H., assignor to Electric Household Utilities Corporation, Chicago, Ill. Fluid discharge apparatus for laundry machines. 2,252,072; Aug. 12.

Gerken, Conrad, West Point, Nebr. Livestock drinking device. 2,252,623; Aug. 12.

Germer, Wilhelm E., Berlin-Charlottenburg, Germany. Efficiency meter. 2,252,367; Aug. 12.

Germer, Wilhelm E., Berlin-Charlottenburg, Germany. Regulating apparatus and method. 2,252,368; Aug. 12.

Germer, Wilhelm E., Berlin-Charlottenburg, Germany. Efficiency indicating apparatus. 2,252,369; Aug. 12.

Germond, John W. (See Wilson, F. V., Jr., and Germond.)

Gevaert Photo-Producten. (See Verkinderen, Honoré.)

Giammaria, John J. (See Reiff, O. M., Giammaria, and Redman.)

Gibson, J. L., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,252,173; Aug. 12.

Gifford, Ben F., St. Joseph, Mo. Device for locating the occlusal plane. 2,252,426; Aug. 12.

Gilbert, William L., Clock Corporation. (See Martin, Angus A., assignor.)

Gilbert, William L., Clock Corporation. (See Williams, Othneil G., assignor.)

Gilmore, Thomas, and L. Junod, Brooklyn, N. Y. Embalming machine. 2,252,624; Aug. 12.

Gilron Products Co. (See Orozco, Gilbert H., assignor.)

Githens, Otto W., and G. Kende, New York, and E. M. Porter, Brooklyn, assignors, by mesne assignments, to Universal Camera Corporation, New York, N. Y. Motion picture camera. 2,252,563; Aug. 12.

Glab, William N., assignor to Morrison Brothers Company, Dubuque, Iowa. Vent valve. 2,252,174; Aug. 12.

Gladding McBean & Company. (See Beecher, Henry W., assignor.)

Glasbrook, Emile A., Valdese, N. C. Bobbin holder. 2,252,625; Aug. 12.

Gleason Works. (See Slayton, Ensign T., assignor.)

Gluhareff, Michael E. (See Sikorsky, I. I., Gluhareff, and Griswold.)

Godsey, Frank W., Jr., assignor to Sprague Specialties Company, North Adams, Mass. Electrical device. 2,251,995; Aug. 12.

Goldbeck, Caspar C., Camden, N. J. Safety attachment for punch presses. 2,252,626; Aug. 12.

Goldberg, Samuel D., Forest Hills, assignor to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y. Making anesthetic bases and intermediates. 2,251,996; Aug. 12.

Golden Gate Mfg. Co. (See Meyer, Ferd H., assignor.)

Goldmann, Joachim, Berlin-Wilmersdorf, Germany, assignor to International Telephone Development Co., Inc., New York, N. Y. Directional radio system. 2,251,997; Aug. 12.

Goldschmidt, Victor M., Holmenkollen per Oslo, Norway. Refractory building material. 2,252,317; Aug. 12.

Goldstine, Hallan E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultra high frequency oscillator. 2,252,370; Aug. 12.

Good, Walter. (See Grachan, Joseph, assignor.)

Goodale, Charles J., North Easton, Mass. Accounting machine. 2,251,998; Aug. 12.

Gordon, Donald, New York, N. Y. Smoking pipe cleaning device. 2,252,175; Aug. 12.

Gordon, Dwight, St. Louis County, and H. A. Carlson, University City, assignors to Carter Carburetor Corporation, St. Louis, Mo. Carburetor structure. 2,252,122; Aug. 12.

Gorse, William F. (See Scott. R. H., Gorse, and Hayward.)

Gorton, George, III, assignor, by mesne assignments, to George Gorton Machine Co., Racine, Wis. Machine tool of the sensitive table type. 2,252,627; Aug. 12.

Gorton, George, Machine Co. (See Gorton, George, III, assignor.)

Gotham Pressed Steel Corporation. (See Anderson, Charles A., assignor.)

Grachan, Joseph, assignor of one-half to W. Good, Johnstown, Pa. Hair trimmer. 2,252,628; Aug. 12.

Grant, Robert, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Knitting apparatus. 2,252,596; Aug. 12.

Gravell, James H., Elkins Park, Pa., deceased; E. H. Rishel, executor, assignor to American Chemical Paint Company. Rubber compounding and vulcanization and resulting vulcanizates. 2,252,318; Aug. 12.

Gray Envelope Manufacturing Company, The. (See Gray, Robert L., assignor.)

Gray, Harriet T., Greenwich, Conn. Bulb protector. 2,252,073; Aug. 12.

Gray, Robert L., assignor to The Gray Envelope Manufacturing Company, Inc., Brooklyn, N. Y. Making articles having transparencies and the resulting articles. 2,251,930; Aug. 12.

Graziano, Angelo, et al. (See Greco, John, assignor.)

Great States Corporation. (See Kersey, Robert S., assignor.)

Greco, John, assignor of forty-nine per cent to F. Savignano and A. Graziano, Brooklyn, N. Y. Vaporizer for automotive mechanisms. 2,251,999; Aug. 12.

Green, Isaac H. C., Central Falls, and E. St. Pierre, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Split-foot knitting machine. 2,252,564; Aug. 12.

Green, Stanley S., assignor to Duncan Electric Manufacturing Company, Lafayette, Ind. Damping unit for watt-hour meters. 2,252,483; Aug. 12.

Greenhow, Macon E., and R. N. Jacobson, San Francisco, Calif., assignors to American Smelting and Refining Company, New York, N. Y. Forming self-fluxing ingots. 2,252,371; Aug. 12.

Greenleaf, Rupert L., and C. R. Dougherty, Auburn, Maine; said Dougherty assignor to said Greenleaf. Die holder. 2,252,484; Aug. 12.

Griffin, Pauline T., Kinston, N. C. Evacuant receptacle. 2,252,503; Aug. 12.

Griplock, Inc. (See Embree, Herbert, assignor.)

Griswold, Roger W., II. (See Sikorsky, I. I., Gluhareff, and Griswold.)

Gross, Herman, Brooklyn, N. Y. Producing moiré patterns. 2,252,123; Aug. 12.

Grunow, William R., Harrison Township, Allegheny County, Pa., assignor to Allegheny Ludlum Steel Corporation. Making bubble caps. 2,252,000; Aug. 12.

Gubin, Samuel. (See Conklin, J. W., and Gubin.)

Guerke, Ralph M. (See Kearns, C. M., Jr., and Guerke.)

Gulesian, Willis H., Watertown, Mass. Indicator. 2,252,074; Aug. 12.

Gullberg, Carl E., Fredonia, N. Y. Supporting and hoisting device. 2,252,001; Aug. 12.

Gumprecht, Herbert. (See Petersen, W., and Gumprecht.)

Gundelfinger, Walter J., West Roxbury, Mass. Method of and apparatus for continuous processing of rayon threads. 2,251,931; Aug. 12.

Haberlin, John F., assignor, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash. Ammunition container. 2,252,227; Aug. 12.

Haeff, Andrew V., East Orange, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,252,565; Aug. 12.

Hahn, Bernard, assignor to Automatic Button Company, Muscatine, Iowa. Mounting lenses in illuminated signs, etc. 2,252,504; Aug. 12.

Halmagyi, John. (See Langer, Nicholas, assignor.)

Halsey, Reginald J., Radlett, England. Telephone and other electric wave transmission systems. 2,252,002; Aug. 12.

Hamacher, Heinrich. (See Balz, O., and Hamacher.)

Hamacher, Heinrich. (See Balz, O., Hamacher, and Wagner.)

Hanawalt, Joseph D., assignor to The Dow Chemical Company, Midland, Mich. Condensation of magnesium vapor. 2,251,906; Aug. 12.

Hand, Frederick E., Canton, Ill., assignor to International Harvester Company. Runner opener. 2,252,372; Aug. 12.

Hanisch, Arthur O. (See Brollier, John C. and E. G., assignor.)

Hänlein, Walter, Berlin-Haselhorst, Germany, assignor to General Electric Company. Glass of high softening point. 2,252,466; Aug. 12.

Hanley, Frank H., Butler, F. J. Carter, Millburn, N. J., O. H. Davidsmeyer, Downer's Grove, Ill., and O. M. Lamberson, Flushing, N. Y., assignors of two-thirds to American Telephone and Telegraph Company, and one-third to Bell Telephone Laboratories, Incorporated. Supervisory signal system. 2,252,629; Aug. 12.

Hanson, Hiram D., Oakland, Calif. Sign. 2,252,124; Aug. 12.
Harmon, Luther R., assignor to Patterson Manufacturing Company, Chicago, Ill. Flasher. 2,252,003; Aug. 12.
Harris, Benjamin R., and F. J. Cahn, assignors to The Emulsol Corporation, Chicago, Ill. Halogenated sulphoacetic acid esters. 2,251,932; Aug. 12.
Harris, Eliot H., New York, N. Y. Sound attenuator for air impellers. 2,252,256; Aug. 12.
Harris, Walter A., Elkhart, Ind. Window for trailers. 2,252,505; Aug. 12.
Harris, Warren B., Millbury, Mass. Dobby chain. 2,252,344; Aug. 12.
Harris, William H., Jr., assignor to Micromatic Hone Corporation, Detroit, Mich. Machine for grinding cylindrical surfaces. 2,252,176; Aug. 12.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching device. 2,251,933; Aug. 12.
Harstick, William H., Richmond, Ind., assignor to International Harvester Company. Clutch. 2,252,373; Aug. 12.
Hartford-Empire Company. (See Lyle, Aaron K., assignor.)
Hartford National Bank and Trust Company, as trustee. (See Bergmans, J., and Lamberts, assignors.)
Hartford National Bank and Trust Company, as trustee. (See De Boer, J. H., and Dippel, assignors.)
Hartford National Bank and Trust Company, as trustee. (See Druyvesteyn, Mari J., assignor.)
Hartford National Bank and Trust Company, as trustee. (See Holst, G., Alink, and Keuning, assignors.)
Hartford National Bank and Trust Company, as trustee. (See Skillman, T. S., Baurdoux, and van de Beek.)
Hartford National Bank and Trust Company, as trustee. (See van Embden, Hendrik J. M., assignor.)
Hartford National Bank and Trust Company, as trustee. (See van Liempt, Johannes A. M., assignor.)
Hartung, Walter H., Lansdowne, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Germicidal soap. 2,251,934; Aug. 12.
Hartung, Walter H., Lansdowne, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Germicidal soap. 2,251,935; Aug. 12.
Hartzell, Herman, L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,252,506; Aug. 12.
Harvey, William E., Malaga, Wash. Combination flank strap and cinch girth. 2,252,257; Aug. 12.
Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)
Hathorn, Charles E., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Cowl fastener. 2,252,286; Aug. 12.
Hauser, Fred, Culver City, Calif. Valve control system. 2,252,125; Aug. 12.
Hawkins, Russell S., Ozone Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Preventing singing in telephone repeaters. 2,252,679; Aug. 12.
Hayden, George W., assignor of thirty-seven and one-half per cent to M. A. Tibbetts, and twenty per cent to E. F. P. Brigham, Miami, and five per cent to S. A. Jones, Fort Lauderdale, Fla. Traction splint. 2,252,258; Aug. 12.
Hayward, Arthur S. (See Scott, R. H., Gorse, and Hayward.)
Hazeltine Corporation. (See Freeman, R. L., and Blaisdell, assignors.)
Hazeltine Corporation. (See Lewis, Harold M., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Heald Machine Company, The. (See Hintermeyer, Alfred E., assignor.)
Heberlien Patent Corporation. (See Schirm, Erik, assignor.)
Hecker, E. J., et al. (See Larsen, Albert, assignor.)
Heer, Oskar, Brunnen, assignor to Anton-Bueler-Smulders, Ybach-Schwyz, Switzerland. Infinitely variable speed gear. 2,252,630; Aug. 12.
Heftler, Paul, Chicago, Ill. Steering linkage. 2,251,936; Aug. 12.
Helfgott, Louis, Bronx, N. Y. Surface processing device. 2,252,287; Aug. 12.
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,252,004; Aug. 12.
Hemphill Company. (See Green, I. H., and St. Pierre, assignors.)
Hemphill Company. (See St. Pierre, Eugene, assignor.)
Henry, Ralph L. (See Tate, J. R., and Henry.)
Hercules Powder Company. (See Borglin, Joseph N., assignor.)
Hermann, Earnest T., El Segundo, Calif. Producing sized ceramic products. 2,252,427; Aug. 12.
Hermann, Eugene C. (See Lloyd, G. A., Jr., and Hermann.)
Herrmann, Otto. (See Müller, P., and Herrmann.)
Heyer, William C., Mount Holly, N. J. Wallet. 2,252,177; Aug. 12.
Hill Acme Company, The. (See Lamprecht, M. W., and Anderson, assignors.)
Hill, Henry C. (See Steiner, E. C., and Hill.)
Hill-Independent Manufacturing Company. (See Smallman, Harry, assignor.)
Hill, William H., Mount Lebanon, Pa., and R. C. Swain, Riverside, and J. H. Paden, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of guanidine nitrate. 2,252,400; Aug. 12.
Hilpert, Richard S. (See Unger, F., and Hilpert.)
Hilpman, John H., Springfield Gardens, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 2,252,507; Aug. 12.
Hintermeyer, Alfred E., assignor to The Heald Machine Company, Worcester, Mass. Cutting tool. 2,252,005; Aug. 12.
Hipple, James L., Canton, Ill., assignor to International Harvester Company. Lister planter. 2,252,374; Aug. 12.
Hirter, Ernest, Dundee, Oreg. Heat retaining drum for furnaces and the like. 2,252,631; Aug. 12.
Hobbs, John W., Corporation. (See Hobbs, John W., assignor.)
Hobbs, John W., assignor to John W. Hobbs Corporation, Springfield, Ill. Electric clock. 2,252,375; Aug. 12.
Hocher, Andrew A., Etna, Pa., assignor to Hubbard and Company. Open side clevis. 2,252,566; Aug. 12.
Hoesel, Anthony F., Chicago, Ill., assignor to Peerless of America, Incorporated, Marion, Ind. Forced air circulation cooling unit. 2,251,907; Aug. 12.
Hoff, Wilbur L., Hollywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for the spectroscopic analysis of materials. 2,252,508; Aug. 12.
Hoffman, Carl, assignor of one-half to S. McCurley, Allentown, Pa. Door lock. 2,251,937; Aug. 12.
Hoke, Harry A., Altoona, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Locomotive stoker. 2,252,509; Aug. 12.
Holden, Artemas F., Northford, Conn. Industrial furnace. 2,252,319; Aug. 12.
Hollister, Willoughby F., Cowen, W. Va. Well pump. 2,252,597; Aug. 12.
Holst, Gilles, R. J. H. Alink and K. J. Keuning, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Sound-picture film and printing the same. 2,252,006; Aug. 12.
Homasote Company. (See Wilson, F. V. Jr., and Germond, assignors.)
Hoover Ball & Bearing Company. (See Pew, Thomas C., assignor.)
Horn, Milton V. (See Livett, H. I., Horn, and Roy.)
Hornbostel, Lloyd. (See Berry, E. E., and Hornbostel.)
Horner, Carl L., Bellevue, assignor of one-half to R. D. Kreider, Manch Chunk, Pa. Film developing apparatus. 2,252,259; Aug. 12.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,252,510; Aug. 12.
Hovarter, Otto T., Ashley, Ind. Casket receiving device. 2,252,178; Aug. 12.
Howard Hosiery Company. (See Tait, Francis, Jr., assignor.)
Howard, Merton W., assignor to Pope Machinery Corporation, Haverhill, Mass. Heel grading machine. 2,251,908; Aug. 12.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package. 2,252,462; Aug. 12.
Hubacker, Earl F., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Refrigeration. 2,252,567; Aug. 12.
Hubbard and Company. (See Hocher, Andrew A., assignor.)
Hueglin, Herman C., assignor to Airmaster Corporation, Chicago, Ill. Ventilator. 2,252,179; Aug. 12.
Hughes, Arthur J. (See Everitt, Philip F., assignor.)
Hughes, Arthur J., et al. (See Sproule, Donald O., assignor.)
Hughes, Henry, & Son, Limited. (See Everitt, Philip F., assignor.)
Hughes, Henry, & Son, Limited. (See Sproule, Donald O., assignor.)
Hughey, Howard G., Bloomfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Multijet torch construction. 2,252,320; Aug. 12.
Hull, Carl M., assignor to Standard Oil Company, Chicago, Ill. Coating composition. 2,252,485; Aug. 12.
Huislander, Ross T., Birmingham, Ala. Prefabricated building structure. 2,252,568; Aug. 12.
Hume, Horace D., Garfield, Wash. Bat and tine construction for harvester reels. 2,252,180; Aug. 12.
Hunter, James D. and F. B. Morrill, assignors to The James Hunter Machine Company, North Adams, Mass. Rotary tenter drier. 2,252,181; Aug. 12.
Hunter, James, Machine Company, The. (See Hunter, J. D., and Morrill, assignors.)
Husting, B. J., et al. (See Kuenzi, Harold R., assignor.)
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Pickup attachment for harvester-threshers. 2,252,376; Aug. 12.
Hyman, Benjamin M., Moline, Ill., assignor to International Harvester Company. Picker construction. 2,252,377; Aug. 12.
Ideal Novelty & Toy Co. (See Katz, Abraham M., assignor.)
Ihagee Kamerawerk Steenbergen & Company. (See Koehl, Konrad, assignor.)

Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)
Ingersoll, Kenneth L. (See Kohout, E. J., and Ingersoll.)
Ingersoll Milling Machine Company, The. (See Oberhoffken, A., Kampmeier, and Johnson, assignors.)
Interchemical Corporation. (See Cassel, Norman S., assignor.)
Interlocking Metal Displays Company, The. (See Raucci, Anthony, assignor.)
International Harvester Company. (See Hand, Frederick E., assignor.)
International Harvester Company. (See Harstick, William H., assignor.)
International Harvester Company. (See Hipple, James L., assignor.)
International Harvester Company. (See Hyman, Benjamin M., assignor.)
International Harvester Company. (See Iven, Willy, assignor.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
International Harvester Company. (See Mott, Carl W., assignor.)
International Harvester Company. (See Raney, Clemma R., assignor.)
International Harvester Company. (See Scarratt, Albert W., assignor.)
International Hat Company. (See Rodgers, William M., assignor.)
International Standard Electric Corporation. (See Beale, E. S. L., and Stansfield, assignors.)
International Standard Electric Corporation. (See Cleaver, R. F., James, and Wagstaffe, assignors.)
International Standard Electric Corporation. (See Jacobsen, B. B., and Roche, assignors.)
International Standard Electric Corporation. (See Terman, Frederick E., assignor.)
International Telephone Development Co. (See Goldmann, Jachim, assignor.)
Iven, Willy, Neuss, Germany, assignor to International Harvester Company. Mower. 2,252,378; Aug. 12.
Jackley, Arthur R., Baltimore, Md. Pencil. 2,252,463; Aug. 12.
Jacobsen, Bent B., and A. H. Roche, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Thermionic amplifier. 2,252,007; Aug. 12.
Jacobson, Ralph N. (See Greenhow, M. E., and Jacobson.)
Jaeger, Alphons O., Mount Lebanon, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y. Amine derivatives of sulphodicarboxylic acids. 2,252,401; Aug. 12.
James, Ivor R. J. (See Cleaver, R. F., James, and Wagstaffe.)
Jeffrey Manufacturing Company. (See Jeffrey, Robert K., assignor.)
Jeffrey, Robert K., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Drilling mechanism. 2,252,598; Aug. 12.
Johns, George M., assignor to Smithjohns, Inc., Webster Groves, Mo. Guy anchor. 2,252,379; Aug. 12.
Johnson, Harry W. (See Oberhoffken, A., Kampmeier, and Johnson.)
Johnson, Lane, Houston, Tex. Ribbon rack. 2,252,075; Aug. 12.
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Replacement bracket jig. 2,252,511; Aug. 12.
Johnson, Stanley J., Portland, Maine, assignor to S. D. Warren Company, Boston, Mass. Coating sheet material. 2,252,345; Aug. 12.
Johnston, William B. (See Bradley, T. F., and Johnston.)
Joncas, Phillip A., Minneapolis, Minn. Seesaw. 2,252,008; Aug. 12.
Jones, Allison E. (See Morris, E., and Jones.)
Jones, Charles W. (See Beekman, E. W., and Jones.)
Jones, Gerald C., assignor to Audi Vision, Incorporated, New York, N. Y. Projecting film and related method. 2,252,632; Aug. 12.
Jones, Oron, and R. Ramage, Montrose, Colo. Battery and holder. 2,252,633; Aug. 12.
Jones, Sam P., Dallas, Tex. Vaporizing hydrocarbon liquids. 2,252,261; Aug. 12.
Jones, Sidney A., et al. (See Hayden, George W., assignor.)
Jones, Thomas D., Philadelphia, Pa. Milk bottle holder. 2,252,260; Aug. 12.
Jordan, Claude W., Paoli, Pa., assignor to The United Gas Improvement Company. Purification of unsaturated compounds. 2,251,938; Aug. 12.
Junod, Louis. (See Gilmore, T., and Junod.)
Justason, Cameron E., Miami, Fla. Window sash operator. 2,252,634; Aug. 12.
Juterbock, Edwin E., West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company. Fluid mixer. 2,252,076; Aug. 12.
Kahn, Alfred, Hollis, N. Y., assignor to Radio Corporation of America. Telegraph signal regenerator. 2,252,380; Aug. 12.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Heating device and burner therefor. 2,252,182; Aug. 12.
Kampmeier, Frederick J. (See Oberhoffken, A., Kampmeier, and Johnson.)
Kansas City Testing Laboratory. (See Cross, Roy and W. M., Jr., assignors.)
Karius, William. (See Demarest, D. D., Berendt, and Karius.)
Karr, Raymond, Johnstown, Pa. Ladle pouring nozzle. 2,252,635; Aug. 12.
Karreth, August. (See Waldschmidt-Leitz, E., and Neumann, assignors.)
Kathol, Josef, Berlin, Germany, assignor, by mesne assignments, to Schering Corporation, Bloomfield, N. J. Tertiary alcohols of the cyclopentano polyhydro phenanthrene series and producing the same. 2,251,939; Aug. 12.
Katz, Abraham M., Brooklyn, assignor to Ideal Novelty & Toy Co., Long Island City, N. Y. Doll and making the same. 2,252,077; Aug. 12.
Katzman, Morris, assignor to The Emulsol Corporation, Chicago, Ill. Sulphonic derivatives. 2,251,940; Aug. 12.
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle frame. 2,252,183; Aug. 12.
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,252,184; Aug. 12.
Kearns, Charles M., Jr., East Hartford, Conn., and R. M. Guerke, Somerville, Mass., assignors to United Aircraft Corporation, East Hartford, Conn. Stress measuring means. 2,252,464; Aug. 12.
Keays, Parke F., Broken Bow, Nebr. Decoy. 2,252,262; Aug. 12.
Keller, Edward L., Pittsburgh, Pa. Apparatus for compensating the operating time of electrical devices. 2,252,321; Aug. 12.
Keller, Vincent J., Davenport, Iowa. Internal combustion motor. 2,252,512; Aug. 12.
Kellogg, M. W., Co., The. (See Rossheim, D. B., and Markl, assignor.)
Kende, George. (See Githens, O. W., Kende, and Porter.)
Kennedy, Benjamin H. (See Kennedy, Dewey M. and B. H.)
Kennedy, Dewey M., Rochester, and B. H. Kennedy, Pittsford, N. Y. Infants' bathing device and filling hose and spray accessory therefor. 2,252,428; Aug. 12.
Kennedy Service Tools Company, The. (See Worthington, Raymond S., assignor.)
Kennison, Frank, and H. L. Bell, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Splitting machine. 2,251,941; Aug. 12.
Kennison, Rodney S., Los Angeles, Calif. Irrigating apparatus. 2,252,569; Aug. 12.
Kenny, Douglas H., assignor of forty-nine one hundredths to M. Nadell, Boston, Mass. Vehicle control system. 2,252,009; Aug. 12.
Kenyon, Fred, Bradford, R. I., assignor to B. F. Perkins & Son, Inc., Chicopee, Mass. Dye jig. 2,252,659; Aug. 12.
Kern, Emil, assignor to Acco Products, Inc., Long Island City, N. Y. Filing equipment. 2,252,402; Aug. 12.
Kersey, Robert S., Muncie, assignor to Great States Corporation, Shelbyville, Ind. Lawn mower handle. 2,252,126; Aug. 12.
Kershaw, Henry, et al. (See Van Sant, Victor H., assignor.)
Keuning, Klaas J. (See Holst, G., Alink, and Keuning.)
Kimball, A., Company. (See Marsh, Alonzo K., assignor.)
Kimball, Arthur E., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Apparatus for dispensing. 2,251,942; Aug. 12.
Kimball, Wallace D., Jackson Heights, assignor to Standard-Knapp Corporation, Long Island City, N. Y. Feeding mechanism for bottle packing machines. 2,252,127; Aug. 12.
Kind, Rudolf K. (See Konikoff, Robert H., assignor.)
Kind, Rudolf K., Garden City, N. Y. Magnetically operated switch. 2,252,288; Aug. 12.
Kind, Rudolf K., Garden City, and R. H. Konikoff, Jackson Heights, N. Y.; said Konikoff, assignor to said Kind. Container with music works. 2,252,289; Aug. 12.
Kirton, Joseph N., Yonkers, N. Y. Emergency tire chain. 2,252,429; Aug. 12.
Klammt, Arthur, New York, N. Y., assignor to W. M. Ritter Lumber Company. Composite flooring product. 2,252,430; Aug. 12.
Klammt, Arthur, New York, N. Y., assignor to W. M. Ritter Lumber Company. Producing and laying flooring products. 2,252,431; Aug. 12.
Klammt, Arthur, New York, N. Y., assignor to W. M. Ritter Lumber Company. Adhesive applying apparatus. 2,252,432; Aug. 12.
Kleen, Werner. (See Rothe, H., and Kleen.)
Kleineberg, Paul E., Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Signature gathering machine. 2,251,943; Aug. 12.
Klöckner-Humboldt-Deutz Aktiengesellschaft. (See Benz, Walter, assignor.)
Kluse, Peter G., Los Angeles, and R. C. Camomile, Santa Monica, Calif. Valve construction. 2,252,185; Aug. 12.
Knapp, Cecil L., Camas, Wash. Alternator for paper-folding machines. 2,252,322; Aug. 12.

Knox, Harry A., Washington, D. C. Bearing. 2,251,944; Aug. 12.
Knuth, Harvey G., Elgin, assignor to Modern Steel Equipment Company, Geneva, Ill. Cabinet shelf supporting means. 2,252,570; Aug. 12.
Koch, Fritz, Derby, Conn., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y. Pile fabric and producing the same. 2,252,433; Aug. 12.
Koch, Louis A., Jr., near Louisville, Ky. Automobile exhaust pipe extension. 2,252,228; Aug. 12.
Koehl, Konrad, assignor to Ihagee Kamerawerk Steenbergen & Company, Dresden, Germany. Rotatable projection assembly. 2,252,513; Aug. 12.
Kohlmeyer, George W., assignor to W. A. Case and Son Manufacturing Company, Buffalo, N. Y. Venting device for water closet valve mechanisms. 2,252,078; Aug. 12.
Kohn, Milton, Chicago, Ill. Easel. 2,252,571; Aug. 12.
Kohout, Emil, and K. L. Ingersoll, Jackson, Mich. Spark plug. 2,252,636; Aug. 12.
Konikoff, Robert H. (See Kind, R. K., and Konikoff.)
Konikoff, Robert H., Jackson Heights, assignor, by mesne assignments, to R. K. Kind, Garden City, N. Y. Toy. 2,252,290; Aug. 12.
Krackowizer, Hermann J., Chicago, Ill. Partition cooling unit. 2,252,010; Aug. 12.
Kraft, Anton, Olpe, Germany. Rope twisting and laying machine. 2,252,465; Aug. 12.
Kraft, Herman T. (See Breth, W. J., Engler, and Kraft.)
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Frictional torque transmitting device. 2,252,128; Aug. 12.
Kratky, Anton, Vienna, Germany, assignor to Forged Carbides Incorporated, New York, N. Y. Production of hard bodies, especially of cutting, drawing, and similar tools. 2,252,129; Aug. 12.
Krehbiel, Benjamen F., Wichita, Kans. Plastic concrete surfacing machine. 2,252,188; Aug. 12.
Kreider, Robert D. (See Horner, Carl L., assignor.)
Kremer, Pieter, Bilthoven, Netherlands. Method and arrangement for the transmission of images. 2,252,263; Aug. 12.
Krogh, Anker E., assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,252,323; Aug. 12.
Krueger, Archie S. (See Broeren, F. L., and Krueger.)
Kuenzi, Harold R., Horicon, assignor of one-fourth to B. J. Husting and one-fourth to R. P. Pike, Mayville, Wis. Hoist. 2,252,514; Aug. 12.
Kulikoff, Waldemar, Berlin-Grunewald, Germany. Hydraulic device for stabilizing and steering purposes. 2,252,660; Aug. 12.
Kurth, Franz J., New York, N. Y., assignor to Anemostat Corporation of America. Ventilating apparatus. 2,252,264; Aug. 12.
Kylén, Karl E., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Two-stroke internal combustion engine. 2,252,186; Aug. 12.
Kylén, Karl E., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Arrangement in combustion motor, compressor, or the like. 2,252,187; Aug. 12.
Labombarde, Harold S., Nashua, N. H., assignor to Dixie-Vortex Company, Chicago, Ill. Blank feeding mechanism. 2,251,945; Aug. 12.
Ladd, Lester L., Lockport, Ill. Container. 2,252,381; Aug. 12.
Laddon, Isaac M., and W. A. Ring, San Diego, Calif., assignors to Consolidated Aircraft Corporation. Retractable gun mount. 2,252,079; Aug. 12.
Lamberts, Clamor A. (See Bergmans, J., and Lamberts.)
Lamberson, Otha M. (See Hanley, F. H., Carter, Davidsmeyer, and Lamberson.)
Lamprecht, Merle W., and H. N. Anderson, Rocky River, assignors, by mesne assignments, to The Hill Acme Company, Cleveland, Ohio. Thread rolling head 2,252,130; Aug. 12.
Land, Edwin H., Boston, Mass., assignor to Polaroid Corporation, Dover, Del. Incandescent electric lamp coated with a light polarizing material. 2,252,324; Aug. 12.
Landis, Paul, Zurich, Switzerland. Rail fastening means. 2,252,515; Aug. 12.
Lang, Gregor L., Newark, N. J. Combined thixotrometer and viscosimeter. 2,252,572; Aug. 12.
Langer, Nicholas, assignor of sixty-six and two-thirds percent to J. Halmagyi, New York, N. Y. Frequency stabilized electrical musical instrument. 2,252,189; Aug. 12.
Lanning, Howard H., Topeka, Kans. Truck for Diesel locomotives. 2,252,382; Aug. 12.
Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Gear shifting mechanism. 2,252,080; Aug. 12.
Larsen, Albert, assignor of one-fourth to E. J. Hecker, and W. M. Vereks, Stetsonville, Wis. Potato cutting and sorting machine. 2,252,265; Aug. 12.
Lawson, John, Bristol Highlands, R. I., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,252,637; Aug. 12.
Lawson, Robert H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for use in the manufacture of shoes. 2,252,325; Aug. 12.
Leach, Jay M. (See MacIntyre, Aimwell G., assignor.)
Lectro Company. (See Field, W. J., and Quam, assignors.)
Leeds & Northrup Company. (See Machler, Raymond C., assignor.)
Leigh, John S., Pennsauken, N. J., assignor to Radio Corporation of America. Signal responsive relay system. 2,252,084; Aug. 12.
Lelter, Harry H. (See Longfellow, Earl E., assignor.)
Leitz, Ludwig, H. Becker, and H. Broschke, Wetzlar, Germany, assignors, by mesne assignments, to F. Dumur, Lausanne, Switzerland. Motion picture camera with exposure meter. 2,252,573; Aug. 12.
Leitz, Ludwig, Wetzlar, Germany. Photographic distance meter. 2,252,574; Aug. 12.
Le May, Alan B., Beverly Hills, Calif. Racing game apparatus. 2,252,516; Aug. 12.
Leonard, Ignace G., New Orleans, La. Trap for fur-bearing animals. 2,252,229; Aug. 12.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Insulated panel brace. 2,252,012; Aug. 12.
Leupold, Mathias, Jamaica, N. Y. Pedal control and spacer for power and brake systems or the like. 2,252,013; Aug. 12.
Lewers, George R., Brooklyn, assignor to Underpinning & Foundation Co., Inc., New York, N. Y. Incinerator. 2,252,326; Aug. 12.
Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Television receiver synchronizing system. 2,252,599; Aug. 12.
Liebaut, Joseph E., assignor to "Filature du Canal, Societe Anonyme," Alost, Belgium. Drafting arrangement for spinning frames and other similar machines. 2,252,011; Aug. 12.
Lieber, Eugene, Cranford, N. J., assignor to Standard Oil Development Company. Preparation of sulphonium compounds. 2,252,081; Aug. 12.
Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Basin-forming device. 2,252,383; Aug. 12.
Lindholm, George H., Minden, Nebr. Pressure indicator for tires. 2,252,680; Aug. 12.
Lindsay, William, assignor to Rotospray Manufacturing Company, Chicago, Ill. Separation of solid material from liquid material. 2,251,909; Aug. 12.
Linotype and Machinery Limited. (See Scott, R. H., Gorse, and Hayward, assignors.)
Little, William F., Yonkers, assignor to Electrical Testing Laboratories, New York, N. Y. Portable lamp. 2,252,434; Aug. 12.
Liuzzi, Earl, Gloversville, N. Y. Attachment for single or two thread chain over stitch producing machines. 2,252,266; Aug. 12.
Lloyd, George A., Jr., Elizabeth, and E. C. Hermann, Westfield, N. J., assignors to Standard Oil Development Company. Production of heating oils. 2,252,082; Aug. 12.
Loeser, Arnold, Freiburg in Breisgau, Germany, assignor to Schering Corporation, Bloomfield, N. J. Ethers of thyroxin and their esters and making the same. 2,252,230; Aug. 12.
Lofgren, Edwin G., Idaho Falls, Idaho. Illuminating attachment for lubricating guns. 2,252,267; Aug. 12.
Lofstrand, Albin P., Chicago, Ill. Grain shocker. 2,252,346; Aug. 12.
Logan, Frank G., North Pelham, N. Y., assignor to Ward Leonard Electric Company. Regulating apparatus for dynamoelectric machines. 2,252,296; Aug. 12.
Longfellow, Earl E., assignor to H. H. Leiter, Warsaw, Ind. Surgical tool for cutting plaster casts. 2,252,575; Aug. 12.
Lott, William A., East Orange, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Esters and amides of unsaturated acids. 2,251,946; Aug. 12.
Lovett, Herman L. M. V. Horn, and E. H. Roy, Buffalo, N. Y. Sound emitting apparatus. 2,252,327; Aug. 12.
Lubri-Zol Corporation, The. (See Prutton, Carl F., assignor.)
Lubri-Zol Corporation, The. (See Prutton, C. F., Smith, and Frey, assignors.)
Luck, David G. C., Haddon Heights, N. J., assignor to Radio Corporation of America. Radio traffic control. 2,252,083; Aug. 12.
Ludwig, Sidney, assignor to The Ward Products Corporation, Cleveland, Ohio. Concealed antenna mounting. 2,252,671; Aug. 12.
Luitpold-Werk, Chemisch-pharmazeutische Fabrik. (See Waldshmidt, Leitz, E., and Neumann, assignors.)
Lupfer, James A., Tulsa, Okla. Instrument for indicating and recording the weight and viscosity of slush used in rotary drilling of wells. 2,252,014; Aug. 12.
Lust, Tracy H., Oak Park, Ill., assignor to Armstrong Paint & Varnish Works. Carton sealing means. 2,252,435; Aug. 12.
Luthy, Joseph O., San Antonio, Tex. Apparatus for producing displays by rotating luminous bodies. 2,252,347; Aug. 12.
Luzzati, Tommaso R., Siena, Italy. Projector for stereoscopic images. 2,252,467; Aug. 12.
Lyle, Aaron K., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Fining glass and batch therefor. 2,252,131; Aug. 12.

MacGraham, Harry C., Wellesley Hills, Mass. Mop wringer and bucket unit. 2,252,436; Aug. 12.
Machler, Raymond C., assignor to Leeds & Northrup Company, Philadelphia, Pa. Optical pyrometry. 2,252,015; Aug. 12.
MacIntosh, John C., Douglas, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y. Flotation apparatus. 2,252,576; Aug. 12.
MacIntyre, Aimwell G., Franklin, assignor to J. M. Leach, Dayton, Ohio. Container for baked goods and the like. 2,252,297; Aug. 12.
MacIntyre, Aimwell G., Franklin, assignor to J. M. Leach, Dayton, Ohio. Food package. 2,252,298; Aug. 12.
Mager, Alexander W., assignor to Bussey Pen Products Company, Chicago, Ill. Pen construction. 2,252,348; Aug. 12.
Maunchen, Walter. (See Bothmann, H., and Mannchen.)
Mantle Lamp Company of America, The. (See Schwarz, Eugene, assignor.)
Marathon Paper Mills Company. (See Broeren, F. L., and Krueger, assignors.)
Marinsky, Davis. (See Morin, L. H., and Marinsky.)
Markl, Arthur R. C. (See Rossheim, D. B., and Markl.)
Markowski, Carl J., Lewiston, Idaho. Walking hobby-horse. 2,252,016; Aug. 12.
Marks, Wade E., Youngstown, Ohio. Small animal incubator. 2,252,191; Aug. 12.
Marsh, Alonzo K., Summit, N. J., assignor to A. Kimball Company, New York, N. Y. Price tag. 2,252,384; Aug. 12.
Marshaus, Anthony J., Cleveland, Ohio, assignor to General Electric Company. Basing machine. 2,252,517; Aug. 12.
Martin, Angus A., assignor to William L. Gilbert Clock Corporation, Winsted, Conn. Clock assembly means. 2,252,192; Aug. 12.
Martin, Erle, West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Power plant control means. 2,252,518; Aug. 12.
Martin, Harry C. (See Tone, F. J., and Martin.)
Martin, Thomas B., Dayton, Ohio, assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,252,328; Aug. 12.
Martin, Paul P., Chicago, Ill. Bending device. 2,252,329; Aug. 12.
Master Electric Company, The, et al. (See McCrery, Harold E., assignor.)
Master Vibrator Company, et al. (See McCrery, Harold E., assignor.)
Maussnest, Friedrich K., Woodside, Long Island, N. Y. Apparatus for flattening and leveling sheet, coil, and plate material. 2,252,085; Aug. 12.
Mauser, Max, Kansas City, Mo. Replaceable heel. 2,252,404; Aug. 12.
May, Ashton Le R., Detroit, Mich. Miniature motor. 2,252,600; Aug. 12.
Mazveskas, Frank G. and V. A., Cleveland, Ohio. Antifriction roller for skates and the like. 2,252,132; Aug. 12.
Mazveskas, Victor A. (See Mazveskas, Frank G. and V. A.)
McAdams, James F., assignor to Parker Wire Goods Company, Worcester, Mass. Sanding block. 2,252,190; Aug. 12.
McCarthy, Charles M., Minneapolis, Minn. Cutting and measuring apparatus for oilcloth or similar material. 2,252,086; Aug. 12.
McCauley, John H., Hillside, N. J., assignor to J. F. Frese, Baltimore, Md., as trustee. Animated electrical discharge device. 2,252,638; Aug. 12.
McCord Radiator & Mfg. Co. (See Schank, H. E., and Seemiller, assignors.)
McCord Radiator & Mfg. Co. (See Seemiller, Paul R., assignor.)
McCoy, William C., Shaker Heights, assignor to The General Tire & Rubber Company, Akron, Ohio. Making bushings. 2,252,299; Aug. 12.
McCrery, Harold E., assignor of one-half to Master Vibrator Company, and one-half to The Master Electric Company, Dayton, Ohio. Mechanical trip hammer. 2,252,017; Aug. 12.
McCurley, Samuel. (See Hoffman, Carl, assignor.)
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration system. 2,252,300; Aug. 12.
McHugh, Marion L., Kent, assignor to Seattle Tent & Awning Co., Seattle, Wash. Hatch tent. 2,252,018; Aug. 12.
McKee Glass Company. (See Poglein, Louis, assignor.)
McLaughlin, Lawrence, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Assembling apparatus. 2,252,437; Aug. 12.
McLeod, David F. (See McLeod, Sidney J., assignor.)
McLeod, Sidney J., assignor to D. F. McLeod, Worthington, Minn. Urinal. 2,252,672; Aug. 12.
McNab, John G., Roselle, and W. T. Watkins, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company. Lubricant. 2,252,087; Aug. 12.
McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compound and material colored therewith. 2,251,947; Aug. 12.
McQuinn, Carl, assignor to Williams Sealing Corporation, Decatur, Ill. Spout and cap. 2,252,468; Aug. 12.
McQuown, Curtis Y., Mattoon, Ill. Waxing machine. 2,252,269; Aug. 12.
Marsack, Max, assignor to Marsack Patents Corporation, Milwaukee, Wis. Triple cushion mattress. 2,252,268; Aug. 12.
Marsack Patents Corporation. (See Marsack, Max, assignor.)
Mathis, Clyde H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Product and process for plugging formations. 2,252,271; Aug. 12.
Maus, Frank J. (See Noxon, P. A., Rothermel, Maus, and Sortore.)
Meinecke, Ruth, and A. Mitchell, Ridgewood, N. J. Garment. 2,252,019; Aug. 12.
Mendlus, William, Munster, Ind., assignor to Sinclair Refining Company, New York, N. Y. Distillation of hydrocarbons. 2,252,020; Aug. 12.
Mendonca, Francisco P. dos S., and A. M. Pinto, Lisbon, Portugal. Automatic apparatus for filling cans by vacuum. 2,252,291; Aug. 12.
Mergenthaler Linotype Company. (See Hilpman, John H., assignor.)
Meyer, Ferd H., assignor to Golden Gate Mfg. Co., Oakland, Calif. Apparatus for making flower holders 2,252,193; Aug. 12.
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc. Brooklyn, N. Y. Lamp. 2,252,088; Aug. 12.
Micromatic Hones Corporation. (See Harris, William H., Jr., assignor.)
Midland Steel Products Company, The. (See Riemenschneider, Ernest, assignor.)
Miller, Charles T., Paramus, N. J. Painter's pot hanger. 2,252,639; Aug. 12.
Miller Company, The. (See De Lancey, Ralph W., assignor.)
Miller, Leonidas C., assignor to American Oil Tool Company, Dallas, Tex. Perforating device. 2,252,270; Aug. 12.
Miller, Pharis, Elizabeth, N. J., assignor to Standard Oil Development Company. Motor fuel. 2,252,089; Aug. 12.
Mills, Burton L., assignor to Clark Equipment Company. Buchanan, Mich. Wheel. 2,252,194; Aug. 12.
Minneapolis-Honeywell Regulator Company. (See Baak, A. E., and Brown, assignors.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Simon, Andrew B., assignor.)
Minnesota Mining & Manufacturing Company. (See Kimball, Arthur E., assignor.)
Mitchell, Antoinette. (See Meinecke, R., and Mitchell.)
Modern Steel Equipment Company. (See Knuth, Harvey G., assignor.)
Moes, Markus, Arnhem, Netherlands. Ironing board. 2,252,113; Aug. 12.
Monowatt Electric Corporation, The. (See Benander, George B., assignor.)
Monsanto Chemical Company. (See Conover, Courtney, assignor.)
Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Control switch means. 2,252,301; Aug. 12.
Morehouse, John T., Methuen, Mass. Display basket. 2,252,021; Aug. 12.
Morin, Louis H., and D. Marinsky, assignors to Whitehall Patents Corporation, Bronx, N. Y. Forming separable fastener stringers. 2,252,090; Aug. 12.
Morith, Franklin J., Batavia, N. Y. Knitting needle. 2,252,302; Aug. 12.
Morrill, Frank B. (See Hunter, J. D., and Morrill.)
Morris, Edward, and A. E. Jones, San Jose, Calif. Highway lighting system. 2,252,022; Aug. 12.
Morrison Brothers Company. (See Glab, William N., assignor.)
Morton, George A. (See Flory, L. E., and Morton.)
Morway, Arnold J., Roselle, and J. C. Zimmer, Hillside, N. J., assignors to Standard Oil Development Company. Metal fabricating compound. 2,252,133; Aug. 12.
Moser, Archie J., Central City, Iowa. Making cigarettes. 2,252,231; Aug. 12.
Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Agricultural implement. 2,252,349; Aug. 12.
Mueller, Ervin H., Grosse Pointe Park, Mich. Gas cock. 2,252,134; Aug. 12.
Müller, Philipp, Wiesbaden-Sonnenberg, and O. Herrmann, Wiesbaden, Germany, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof sheet. 2,252,091; Aug. 12.
Mulnix, Ersel C., Chicago, Ill. Box. 2,252,023; Aug. 12.
Mumford, Theodore W., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Blower for heat treating furnace. 2,252,673; Aug. 12.
Murphy, John W., Concord, Mass. Apparatus for cutting vegetation. 2,252,601; Aug. 12.
Murphy, John W., Concord, Mass. Tire hanger. 2,252,602; Aug. 12.
Murray Corporation of America, The. (See Avery, C. W., Widman, and Clark, assignors.)
N. V. Phillips' Gloeilampenfabrieken. (See Strutt, Maximiliaan J. O., assignor.)
Nadell, Morris. (See Kenny, Douglas H., assignor.)
National Gypsum Company. (See Baldwin, Leonard E., assignor.)

National Park-O-Graf Corporation. (See Rockoln, David C., assignor.)
National Stamping Company. (See Thoma, Willard F., assignor.)
National Standard Company. (See Pierce, Robert C., assignor.)
Navin, Leo F., Hartland, Wis. Animal trapping device. 2,252,405; Aug. 12.
Naylor Pipe Company. (See Van Cleave, E. E., and Sale, assignors.)
Nelson, Eugene R. (See Simpkins, I. W., and Nelson.)
Nesselbush, L. M. (See Wick, J. L., Jr., and Nesselbuch.)
Neumann, Ottomar. (See Waldschmidt-Leitz, E., and Neumann.)
Newcombe, Frank A. (See Whitmore, J. B., and Newcombe.)
Newman, David F., Rockville Centre, assignor to Trans-Lux Corporation, New York, N. Y. Printer-projection system. 2,252,577; Aug. 12.
Newman, William E., Moorestown, N. J., assignor to Radio Corporation of America. Radio tuning means. 2,252,092; Aug. 12.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Niles, Everett, Willoughby, Ohio, assignor to General Electric Company. Stem making machine. 2,252,195; Aug. 12.
Normington, James B. (See Dickey, J. B., and Normington.)
Nöthe, Erich, Berlin-Spandau, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany. Indicating counter for firearms. 2,252,330; Aug. 12.
Novocol Chemical Mfg. Co. Inc. (See Goldberg, Samuel D., assignor.)
Noxon, Paul A., Tenafly, N. J., S. W. Rothermel, Lynbrook, N. Y., and F. J. Maus, Paterson, and E. J. Sortore, Westfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph selector mechanism. 2,252,232; Aug. 12.
Nüchterlein, Karl, Dresden, Germany. Reflex camera. 2,252,640; Aug. 12.
Nyberg, Ernst V., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Letter-stamping machine. 2,252,469; Aug. 12.
O'Brien, James D., Brooklyn, N. Y. Drum opening tool. 2,252,406; Aug. 12.
O'Brien, William V., Fortuna, N. Dak. Can opener attachment. 2,252,024; Aug. 12.
Oberhoffken, Alexander, F. J. Kampmeier, and H. W. Johnson, assignors to The Ingersoll Milling Machine Company, Rockford, Ill. Apparatus for machining workpieces. 2,251,948; Aug. 12.
Oettinger, Emil, Chicago, Ill. Automatic battery liquid filler. 2,252,026; Aug. 12.
Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulation system. 2,252,293; Aug. 12.
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Air pump. 2,252,661; Aug. 12.
Oliver, Edd C., Adrian, Mich. Drill grinder. 2,252,303; Aug. 12.
Olson, Chris, Muskegon, Mich. Shelf attachment for ladders. 2,252,025; Aug. 12.
Ormond, Joseph, Newark, N. J., assignor to Schick Incorporated. Shearing head for dry shavers. 2,252,294; Aug. 12.
Orozco, Gilbert H., East Cleveland, assignor to Gilron Products Co., Cleveland, Ohio. Machining articles and solution therefor. 2,252,385; Aug. 12.
Oswego Falls Corporation. (See Price, John F., assignor.)
Otto, Ferdinand P. (See Reiff, O. M., and Otto.)
Otto, Homer N., Rialto, Calif. Ice cream can holder. 2,252,272; Aug. 12.
Ottusch, Fred, Ozone Park, N. Y. Waistband for garments. 2,252,519; Aug. 12.
Overstrom, Conrad. (See Overstrom, Gustave A., G., and C.)
Overstrom, George. (See Overstrom, Gustave A., G., and C.)
Overstrom, Gustave A. and G., Eagle Rock, and C. Overstrom, Pasadena, Calif. Vibrating screen. 2,252,304; Aug. 12.
Owens-Corning Fiberglas Corporation. (See Bergin, W. M., and Simison, assignors.)
Owens-Illinois Glass Company. (See Benoit, J. P., Allen, and Wideman, assignors.)
Oyler, Otto I., Canton, Ohio. Wheel vehicle train, unit, and connection. 2,252,135; Aug. 12.
Paden, Joseph H. (See Hill, W. H., Swain, and Paden.)
Page, Louis J., Hollis, N. Y. Adjustable ophthalmic bridge. 2,252,093; Aug. 12.
Palmer, Charles G., Newark, N. J. Device for peeling potatoes and the like. 2,252,094; Aug. 12.
Parker Wire Goods Company. (See McAdams, James F., assignor.)
Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Hinge. 2,252,196; Aug. 12.
Pasquarella, Clement, Jr., Ridgefield, Conn. Clamp for nonskid devices. 2,252,027; Aug. 12.
Passer, William C., Wauwatosa, Wis. Windowpane fastener. 2,252,197; Aug. 12.
Patent Development Company Limited. (See Work, Ernest W., assignor.)
Patterson Manufacturing Company. (See Harmon, Luther R., assignor.)
Paulus, William, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner construction. 2,252,350; Aug. 12.
Paulus, William, assignor to Trico Products Corporation, Buffalo, N. Y. Producing power transmitting units. 2,252,351; Aug. 12.
Pavek, William J., Minneapolis, Minn. String for musical instruments. 2,252,095; Aug. 12.
Payne, Claron R., Allentown, and E. T. Severs, assignors to The Atlas Mineral Products Company, Mertztown, Pa. Bonding material and making the same. 2,252,331; Aug. 12.
Pechy, William, Elizabeth, N. J., assignor to American Can Company, New York, N. Y. Can tester elevator. 2,251,949; Aug. 12.
Peerless of America, Incorporated. (See Hoesel, Anthony F., assignor.)
Pelcé, Henri, Flixecourt, assignor to Société dite; Saint Freres, Société Anonyme, Paris, France. Weaving loom. 2,252,470; Aug. 12.
Pennsylvania Railroad Company, The. (See Hoke, Harry A., assignor.)
Perkins, B. F., & Son, Inc. (See Kenyon, Fred, assignor.)
Perosa Corporation. (See Adamoli, Carlo, assignor.)
Petersen, Kai, Soborg, near Copenhagen, Denmark. Method and apparatus for treating garbage and the like waste materials. 2,252,520; Aug. 12.
Petersen, Waldemar, Berlin, and H. Gumprecht, Berlin-Schoneberg, assignors to General Electric Company. Mechanical current rectifier and converter. 2,252,438; Aug. 12.
Peterson, Carl D., Toledo, Ohio. Transmission gearing with synchronizing clutches. 2,252,198; Aug. 12.
Peterson, Norman R. (See Sherk, J. L., and Peterson.)
Peterson, Norman R., and J. L. Sherk, assignors to The Dow Chemical Company, Midland, Mich. Cellulose ether varnish and making it. 2,252,521; Aug. 12.
Peterson, Norman R., and J. L. Sherk, assignors to The Dow Chemical Company, Midland, Mich. Making cellulose ether varnishes. 2,252,522; Aug. 12.
Petskeyes, Charles H., Davenport, Iowa, and I. C. Gellman, assignors to Gellman Manufacturing Company, Rock Island, Ill. Paper feed. 2,252,028; Aug. 12.
Pew, Thomas C., assignor to Hoover Ball & Bearing Company, Ann Arbor, Mich. Method and apparatus for finishing ball raceways or the like. 2,252,096; Aug. 12.
Phelps Dodge Corporation. (See MacIntosh, John C., assignor.)
Philco Radio and Television Corporation. (See Beck, Virgil R., assignor.)
Philco Radio and Television Corporation. (See Bingley, Frank J., assignor.)
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,252,199; Aug. 12.
Phillips Petroleum Company. (See Mathis, Clyde H., assignor.)
Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Wiredrawing machine. 2,252,352; Aug. 12.
Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Reel mounting. 2,252,353; Aug. 12.
Pieper, Oliver T., Wilmington, Del. Sealed motion transmitting device. 2,252,029; Aug. 12.
Pike, Robert P., et al. (See Kuenzi, Harold R., assignor.)
Pinto, Antonio M. (See Mendonca, F. P. dos S., and Pinto.)
Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Cantilever type truck. 2,251,950; Aug. 12.
Plaskon Company. (See Bigelow, Maurice H., assignor.)
Plensler, Alexander W., Chicago, Ill., assignor to Belmont Radio Corporation. Indicating mechanism. 2,252,295; Plotkin, Milton, Chicago, Ill. Windmill. 2,252,523; Aug. 12.
Plummer, James K., Atlanta, Ga., assignor to Tennessee Corporation, New York, N. Y. Making ferric sulphate. 2,252,332; Aug. 12.
Plummer, Orla R., Napoleon, Ohio. Spray device. 2,252,200; Aug. 12.
Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)
Poglein, Louis, assignor to McKee Glass Company, Jeannette, Pa. Mold ring and plunger. 2,252,292; Aug. 12.
Pointon, John E., assignor to Baker Perkins Limited, Peterborough, England. Synchronizing means for ironing or like roller machines. 2,252,471; Aug. 12.
Polaroid Corporation. (See Land, Edwin H., assignor.)
Poliakoff, Joseph, and O. R. Sneath, London, England. Method of and apparatus for the transmission of speech and other sounds. 2,252,641; Aug. 12.
Pope Machinery Corporation. (See Howard, Merton W., assignor.)
Popper, Isaac C., New York, N. Y., assignor to Automatic Turbine Drive Company, Inc., Providence, R. I. Hydraulic coupling. 2,252,642; Aug. 12.

Porcelain Structures, Inc. (See Fellner, Alphonse F., assignor.)
Porter, Everett M. (See Githens, O. W., Kende, and Porter.)
Powell, Harry D., Findlay, Ohio. Insulation of buildings. 2,252,578; Aug. 12.
Powell, Henry M. (See Rummer, James E., assignor.)
Power Brake Company. (See Simpkins, I. W., and Nelson, assignors.)
Pratt, John W., and H. Boothroyd, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Apparatus for activating thermoplastic cement. 2,252,030; Aug. 12.
Pratt, John W., and H. Boothroyd, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Apparatus for activating cement on shoe soles. 2,252,031; Aug. 12.
Pray, George E., and S. Riccobono, Washington, D. C. Vacuum tube for high frequencies. 2,251,951; Aug. 12.
Preisser, Frederick, Plainville, Conn. Dry mop. 2,252,407; Aug. 12.
Price, Earl R. (See Price, Harold W. and E. R.)
Price, Harold W., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission control. 2,251,952; Aug. 12.
Price, Harold W. and E. R., South Bend, Ind. Transmission control mechanism. 2,252,273; Aug. 12.
Price, Harold W., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch operating mechanism. 2,252,136; Aug. 12.
Price, John F., assignor to Oswego Falls Corporation, Fulton, N. Y. Machine for automatically applying slip covers to containers. 2,252,201; Aug. 12.
Prutton, Carl F., Cleveland Heights, A. K. Smith, Shaker Heights, and D. R. Frey, East Cleveland, assignors to The Lubri-Zol Corporation, Wickliffe, Ohio. Stabilized hydrocarbon composition. 2,251,953; Aug. 12.
Prutton, Carl F., Cleveland Heights, assignor to The Lubri-Zol Corporation, Cleveland, Ohio. Lubrication. 2,252,674; Aug. 12.
Prutton, Carl F., Cleveland Heights, A. K. Smith, Shaker Heights, and D. R. Frey, East Cleveland, assignors to The Lubri-Zol Corporation, Wickliffe, Ohio. Stabilized hydrocarbon composition and stabilizing agent therefor. 2,252,675; Aug. 12.
Püschner, Josef. (See Püschner, Julius and J.)
Püschner, Julius, and J., Tyssa, near Bodenbach, Germany. Separable fastener. 2,252,305; Aug. 12.
Quam, Norman J. (See Field, W. J., and Quam.)
Quillery, Henri P. M., La Garenne-Colombes, France. Steering wheel. 2,252,524; Aug. 12.
Radin, Alexander J., Brooklyn, N. Y. Orthoptic instrument. 2,252,408; Aug. 12.
Radioaktiengesellschaft D. S. Loewe. (See Schlesinger, Kurt, assignor.)
Radio Corporation of America. (See Blaney, Arthur C., assignor.)
Radio Corporation of America. (See Blessing, Gregory W., assignor.)
Radio Corporation of America. (See Bond, Donald S., assignor.)
Radio Corporation of America. (See Clark, Gilbert R., assignor.)
Radio Corporation of America. (See Cockerell, Christopher S., assignor.)
Radio Corporation of America. (See Conklin, J. W., and Gubin, assignors.)
Radio Corporation of America. (See Eglinton, W., and Cunningham, assignors.)
Radio Corporation of America. (See Engel, William T., assignor.)
Radio Corporation of America. (See Flory, L. E., and Morton, assignors.)
Radio Corporation of America. (See Goldstine, Hallan E., assignor.)
Radio Corporation of America. (See Haeff, Andrew V., assignor.)
Radio Corporation of America. (See Kahn, Alfred, assignor.)
Radio Corporation of America. (See Leigh, John S., assignor.)
Radio Corporation of America. (See Luck, David G. C., assignor.)
Radio Corporation of America. (See Newman, William E., assignor.)
Radio Corporation of America. (See Spoor, Theodorus A., assignor.)
Radio Corporation of America. (See Vivie, Wilhelmus L. L., assignor.)
Rafferty, Christopher A., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J. Temperature compensation for pressure actuated indicators. 2,251,954; Aug. 12.
Rafferty, Christopher A., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J. Temperature compensator for pressure, actuated indicators. 2,251,955; Aug. 12.
Rainville, Omer J., South Attleboro, Mass., assignor to E. Z. I. Needle Company, Incorporated, Providence, R. I. Needle welding machine. 2,251,957; Aug. 12.
Ralston, Hurley D., and O. Felix, assignors to Sears, Roebuck and Co., Chicago, Ill. Providing loose-leaf catalogue or file leaves with hinges. 2,252,202; Aug. 12.
Ramage, Roy. (See Jones, O., and Ramage.)
Raney, Clemma R., Riverside, Ill., assignor to International Harvester Company. Pickup baler. 2,252,354; Aug. 12.
Rasha, Leo F., Taberg, N. Y. Milk strainer. 2,252,643; Aug. 12.
Ratalczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Mechanism for boring compressor chambers for refrigerators. 2,252,203; Aug. 12.
Rauceel, Anthony, assignor to The Interlocking Metal Displays Company, Pittsburg, Calif. Bookrack. 2,252,306; Aug. 12.
Rauen, Carl F., Grosse Pointe, Mich. Spray. 2,251,956; Aug. 12.
Ray, Hugh P., Mount Royal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Spool holder. 2,252,439; Aug. 12.
Redd, William R., Western Springs, assignor to Wm. Wrigley Jr. Company, Chicago, Ill. Releasable driving means for connecting driving and driven members. 2,252,032; Aug. 12.
Redler, Arnold, Stroud, England, assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 2,252,033; Aug. 12.
Redler Conveyor Company. (See Redler, Arnold, assignor.)
Redler Conveyor Company. (See Sinden, Alfred De L., assignor.)
Redman, Horace E. (See Reiff, O. M., Giammaria, and Redman.)
Reid, Oliver W., and E. du P. Erasmus, Delville, Germiston, Transvaal, Union of South Africa. Railway train control system. 2,252,525; Aug. 12.
Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Metal salts of alkyl substituted hydroxy aromatic carboxylic acids. 2,252,662; Aug. 12.
Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkyl substituted aryl metal hydroxylate and making it. 2,252,663; Aug. 12.
Reiff, Orland M., Woodbury, J. J. Giammaria, Riverside, and H. E. Redman, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alkyl substituted metal aryl hydroxylate-metal carboxylate salts and making them. 2,252,664; Aug. 12.
Reiff, Orland M., Woodbury, N. J., and F. P. Otto, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Metal salts of alkyl substituted aryl ether acids and making them. 2,252,665; Aug. 12.
Reiff, Orland M., Woodbury, N. J., and F. P. Otto, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax-substituted aryl ether acids and making same. 2,252,666; Aug. 12.
Reilly, Arthur, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Method and apparatus for coating paper. 2,252,204; Aug. 12.
Rendan Holdings Limited. (See Börkey, Walter, assignor.)
Renfrew, Paul, Berkeley, assignor to Ralph N. Brodie Company, Oakland, Calif. Variable ratio transmission mechanism. 2,252,034; Aug. 12.
Research Corporation. (See Trump, John G., assignor.)
Reynolds, Frederick A., assignor to M. E. Anderson, Denver, Colo. Gearless differential. 2,252,205; Aug. 12.
Reynolds, Mary A. (See Anthony, Leon P., assignor.)
Riccobono, Sebastian. (See Pray, G. E., and Riccobono.)
Rice, Milo E., Kansas City, Mo. Universal ankle joint. 2,252,206; Aug. 12.
Richards, George A. (See Sweeny, R. L., and Richards.)
Riddell Skislide Company of America. (See Ermel, Heinrich, assignor.)
Riemenschneider, Ernest, Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio. Welding machine. 2,252,603; Aug. 12.
Riesmeyer, August H., Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Solder. 2,252,409; Aug. 12.
Riesmeyer, August H., Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Solder. 2,252,410; Aug. 12.
Riesmeyer, August H., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Solder. 2,252,411; Aug. 12.
Riesmeyer, August H., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Solder. 2,252,412; Aug. 12.
Riesmeyer, August H., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Solder. 2,252,413; Aug. 12.
Riesmeyer, August H., Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Solder. 2,252,414; Aug. 12.
Ring, William A. (See Laddon, I. M., and Ring.)
Rintoul, Peter. (See Swanson, W. R., and Rintoul.)
Rishel, E. Hoy, executor. (See Gravell, James H., assignor.)
Ritter, W. M., Lumber Company. (See Klammt, Arthur, assignor.)
Robin, Leo, and M. van Roggen, Sprimont, Belgium. Speed controlling device. 2,252,644; Aug. 12.

Roblin, Richard O., Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Manufacture of surface covering materials. 2,252,386; Aug. 12.
Roche, Alleman H. (See Jacobsen, B. B., and Roche.)
Rockenfield, William A., Sturgis, Mich. Adjustable chair. 2,252,097; Aug. 12.
Rockola, David C., assignor to National Park-O-Graf Corporation, Chicago, Ill. Parking meter. 2,252,035; Aug. 12.
Rodgers, William M., Brentwood, assignor to International Hat Company, St. Louis, Mo. Hat. 2,252,207; Aug. 12.
Röhm & Haas Company. (See Whitesell, Robert J., assignor.)
Röhr, Walter, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Push-button tuning with band-width control. 2,252,098; Aug. 12.
Rosen, Abraham W., New York, N. Y. Thermometer support for automobiles. 2,252,579; Aug. 12.
Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Manufacture of aromatic nitrogen compounds. 2,252,099; Aug. 12.
Rosencrants, Fay H., Scarsdale, assignor to Combustion Engineering Company, Inc., New York, N. Y. Dust recovery apparatus for chemical and waste heat recovery installations. 2,252,307; Aug. 12.
Rosing, Theodore F., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical coil and making the same. 2,252,208; Aug. 12.
Rossheim, David B., and A. R. C. Mark, Teaneck, N. J., assignors to The M. W. Kellogg Co., New York, N. Y. Tube connecting device and method. 2,252,274; Aug. 12.
Rothe, Horst, and W. Kleen, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Electron discharge device. 2,252,580; Aug. 12.
Rothermel, Samuel W. (See Noxon, P. A., Rothermel, Maus, and Sortore.)
Rothrock, Henry S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of synthetic drying oils. 2,252,333; Aug. 12.
Rotospray Manufacturing Company. (See Lindsay, William, assignor.)
Rongvie, James F., Belmont, Mass., assignor to American Telephone and Telegraph Company. Apparatus for producing constant current. 2,252,643; Aug. 12.
Roy, Earnest H. (See Lovett, H. L., Horn, and Roy.)
Rummer, James E., assignor of forty-five per cent to H. M. Powell, Wichita, Kans. Hydraulic pulling and pressing tool. 2,252,036; Aug. 12.
Rummerfield, Perry, Alameda, Calif. Barber chair auxiliary seat. 2,252,137; Aug. 12.
Russell, Harlow M. (See Sidebotham, Melvin H., assignor.)
Rutherford, John T., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Production of thioethers. 2,252,138; Aug. 12.
Rylander, Anders J. E. (See Bennet, C. W. H. D., and Rylander.)
Saco-Lowell Shops. (See Blake, Edmund E., assignor.)
Saco-Lowell Shops. (See Tarr, Roderic D., assignor.)
Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,252,440; Aug. 12.
Saint-Jacques, Eugène C., Paris, France. Selector. 2,252,581; Aug. 12.
St. Louis Lift & Equipment Corporation. (See Clawson, C. D., and Branch, assignors.)
St. Pierre, Eugene. (See Green, I. H. C., and St. Pierre.)
St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Feeding means for knitting machines. 2,252,214; Aug. 12.
Sale, William H. (See Van Cleave, E. E., and Sale.)
Savignano, Fredinand, et al. (See Greco, John, assignor.)
Scaratt, Albert W., Kenilworth, Ill., assignor to International Harvester Company. Brake. 2,252,355; Aug. 12.
Schaak, Harry E., and P. R. Scemiller, assignors to McCord Radiator & Mfg. Co., Detroit, Mich. Making heat-exchange elements. 2,252,209; Aug. 12.
Schaum, Otto W., assignor to Fletcher Works, Incorporated, Philadelphia, Pa. Swing bracket for twister and winder spindles. 2,252,037; Aug. 12.
Schering Corporation. (See Kathol, Josef, assignor.)
Schering Corporation. (See Loeser, Arnold, assignor.)
Scheuer, Sidney H., New York, N. Y. Woven fabric. 2,252,646; Aug. 12.
Schick Incorporated. (See Ormond, Joseph, assignor.)
Schirm, Erik, Dessau, Anhalt, Germany, assignor, by mesne assignments, to Heberlein Patent Corporation, New York, N. Y. Rendering textiles water repellent. 2,252,039; Aug. 12.
Schlacter, Viola K., Rock Springs, Wyo. Oven. 2,252,139; Aug. 12.
Schlesinger, Kurt, assignor to Radio Aktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Sharp-edge deflection. 2,252,441; Aug. 12.
Schlesinger, Kurt, Berlin, Germany, assignor to Radio-Aktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Dividing frequency. 2,252,442; Aug. 12.
Schlesman, Carleton, H., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Catalytic apparatus. 2,252,667; Aug. 12.
Schmidt, Harry, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigeration thermometer. 2,252,387; Aug. 12.
Schmitz, Werner, Grenchen, Switzerland. Watch. 2,252,647; Aug. 12.
Schwarz, Alfred, Ridgewood, assignor to Automotive Economy Corporation, Jersey City, N. J. Process and apparatus for providing internal combustion engines with explosive charges. 2,252,415; Aug. 12.
Schwarz, Alfred, Ridgewood, assignor to Automotive Economy Corporation, Jersey City, N. J. Torque controlled mechanism. 2,252,416; Aug. 12.
Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Reinforcing means for lamp shades. 2,252,582; Aug. 12.
Schwimmer, Oscar, Los Angeles, Calif. Ice-cutting apparatus. 2,252,334; Aug. 12.
Scobie, Frank G., Duluth, Minn. Device for clamping cranes and the like. 2,252,648; Aug. 12.
Scott, Richard H., Enfield, and W. F. Gorse, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical composing and distributing machine. 2,252,472; Aug. 12.
Scott, Richard H., Enfield, W. F. Gorse, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical slug casting machine. 2,252,473; Aug. 12.
Scott & Williams, Incorporated. (See Lawson, John, assignor.)
Scull, Frank R., Searsdale, N. Y., assignor, by mesne assignments, to Celanese Corporation of America. Production of hairy yarn. 2,252,038; Aug. 12.
Seaman, Charles, Jamaica Estates, N. Y. Sewing machine. 2,252,356; Aug. 12.
Seamons, Joseph P., Hollywood, assignor to Solar Aircraft Company, San Diego, Calif. Boiler. 2,252,140; Aug. 12.
Sears, Roebuck and Co. (See Ralston, H. D., and Felix, assignors.)
Seattle Tent & Awning Co. (See McHugh, Marion L., assignor.)
Seeley, Lauren E., New Haven, Conn., assignor to The H. B. Smith Company, Incorporated, Westfield, Mass. Firebox. 2,252,041; Aug. 12.
Scemiller, Paul R. (See Schank, H. E., and Scemiller.)
Scemiller, Paul R., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Making heat-exchange cores. 2,252,210; Aug. 12.
Scemiller, Paul R., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Heat exchange core. 2,252,211; Aug. 12.
Seidel, Horace Y., and J. J. Dusco, Pottstown, Pa. Valve. 2,252,141; Aug. 12.
Sellers, William, & Company. (See Young, H. R., and Stocking, assignors.)
Servel, Inc. (See Taylor, R. S., and Decker, assignors.)
Severs, Edward T. (See Payne, C. R., and Severs.)
Sewall, Arthur C., Auburn, Maine. Shoe. 2,252,417; Aug. 12.
Sharp & Dohme, Incorporated. (See Hartung, Walter H., assignor.)
Shaw, Winifred A., Chicago, Ill. Baby strap. 2,253,357; Aug. 12.
Shell Development Company. (See Steenbergh, Alexander W., assignor.)
Shell Development Company. (See Thompson, Nelson W., assignor.)
Shelley, Clinton K., Bonners Ferry, Idaho. Release valve mechanism. 2,252,418; Aug. 12.
Shenton, Francis, assignor to Frick Company, Waynesboro, Pa. Outside type seal. 2,252,526; Aug. 12.
Sheridan, T. W., & C. B., Company. (See Kleinberg, Paul E., assignor.)
Sherk, Joseph L. (See Peterson, N. R., and Sherk.)
Sherk, Joseph L., and N. R. Peterson, assignors to The Dow Chemical Company, Midland, Mich. Bodying drying oils with cellulose ethers. 2,252,527; Aug. 12.
Sherrick, Joss C., Canton, Ohio. Recoiling toy cannon. 2,252,308; Aug. 12.
Shipley, Wallace W., Baltimore, Md., assignor to Western Electric Company, Incorporated. Silver solder coating for soldering irons. 2,252,443; Aug. 12.
Sibley, Edward W., Kenmore, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,252,233; Aug. 12.
Sidebotham, Melvin H., West Newton, assignor of one-half to H. M. Russell, Chelsea, Mass. Tabbing, gluing, and folding machine. 2,252,388; Aug. 12.
Siegel, Louis A., Mount Vernon, N. Y. Garment. 2,252,234; Aug. 12.
Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Barth, Gustav, assignor.)
Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Nöthe, Erich, assignor.)
Sikorsky, Igor I., Trumbull, M. E. Gluhareff, Stratford, and R. W. Griswold, II, Old Lyme, assignors to United Aircraft Corporation, East Hartford, Conn. Aircraft. 2,252,528; Aug. 12.
Silesia Verein Chemischer Fabriken. (See Frost, Walter, assignor.)
Silver, Max, Bronx, N. Y. Device for inserting pessaries. 2,252,212; Aug. 12.
Simison, Allen L. (See Bergin, W. M., and Simison.)

Simko, Charles J., and F. Szolinger, Chicago, Ill. Device to increase depth-sharpness and clearness of photographs. 2,252,583; Aug. 12.
Simon, Andrew B., Cleveland, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,252,142; Aug. 12.
Simpkins, Isaac W., and E. R. Nelson, assignors to Power Brake Company, Charlotte, N. C. Vehicular signal. 2,252,529; Aug. 12.
Sinclair, Harold, Kensington, London, England. Reversing mechanism. 2,252,042; Aug. 12.
Sinclair Refining Company. (See Mendius, William, assignor.)
Sinden, Alfred D., Aurora, Ill., assignor to Redier Conveyor Company, Quincy, Mass. Conveyer. 2,252,460; Aug. 12.
Sissel, John H., Rock Island, Ill. Dry ice counter freezer and hardener. 2,252,043; Aug. 12.
Skillman, Thomas S., J. W. Baurdoux, and M. van de Beek, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Telephony. 2,251,958; Aug. 12.
Skolnik, Max, Chicago, Ill. Dialyzing apparatus. 2,252,213; Aug. 12.
Slaughter, Philip H., Davidson, assignor of forty-nine per cent to J. F. Degener, III, Charlotte, N. C. Automatic tension control. 2,252,419; Aug. 12.
Slayton, Ensign T., Irondequoit, assignor to Gleason Works, Rochester, N. Y. Cutter for cutting gears. 2,252,044; Aug. 12.
Smallman, Harry, Philadelphia, assignor to Hill-Independent Manufacturing Company, Germantown, Philadelphia, Pa. Self-Inker. 2,252,649; Aug. 12.
Smith, Albert K. (See Prutton, C. F., Smith, and Frey.)
Smith, D. B., & Company Inc. (See Smith, Myron H., assignor.)
Smith, Edward W., Melrose, assignor to Submarine Signal Company, Boston, Mass. Apparatus for the production of finely divided substances. 2,251,959; Aug. 12.
Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,251,960; Aug. 12.
Smith, H. B., Company. (See Seeley, Lauren E., assignor.)
Smith, Myron H., New Hartford, assignor to D. B. Smith & Company Inc., Utica, N. Y. Pump. 2,252,143; Aug. 12.
Smithjohns, Inc. (See Johns, George M., assignor.)
Snader, Ira J., assignor to Ex-Cell-O Corporation, Detroit, Mich. Machine tool. 2,251,961; Aug. 12.
Snap-On Tools Corporation. (See Walraven, George M., assignor.)
Sneath, Oswald B. (See Poliakoff, J., and Sneath.)
Snelling, Nicholas, Jackson Heights, Long Island, assignor, by mesne assignments, to Zimba Beverage Co., Inc., New York, N. Y. Bottle carrier. 2,252,235; Aug. 12.
Société Anonyme: Andre Citroen. (See du Rostu, Georges L., assignor.)
Société dite: Saint Freres, Société Anonyme. (See Pelcé, Henri, assignor.)
Socony-Vacuum Oil Company. (See Reiff, Orland M., assignor.)
Socony-Vacuum Oil Company. (See Reiff, O. M., and Otto, assignors.)
Socony-Vacuum Oil Company. (See Reiff, O. M., Glammaria, and Redman, assignors.)
Socony-Vacuum Oil Company. (See Schlesman, Carleton H., assignor.)
Solar Aircraft Company. (See Seamons, Joseph P., assignor.)
Sommaripa, Alexis, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial thread and preparing same. 2,251,962; Aug. 12.
Sotore, Emerson J. (See Noxon, P. A., Rothermel, Maus, and Sortore.)
Spanner, Edward F., Blackheath, London, England. Tubular heat exchange apparatus. 2,252,045; Aug. 12.
Spanner, Hans J., Berlin, Germany, assignor to General Electric Company. Discharge device. 2,252,474; Aug. 12.
Speed Products Company. (See Crosby, Stephen A., assignor.)
Sperry, Elmer A., Jr., assignor to Sperry Products, Inc., Brooklyn, N. Y. Float. 2,252,420; Aug. 12.
Sperry Products, Inc. (See Bigelow, Julian H., assignor.)
Sperry Products, Inc. (See Sperry, Elmer A., Jr., assignor.)
Spoor, Theodorus A., Eindhoven, Netherlands, assignor to Radio Corporation of America, New York, N. Y. Short-wave radio receiver with band-spreading. 2,252,100; Aug. 12.
Sprague Specialties Company. (See Godsey, Frank W., Jr., assignor.)
Spiro, Walter, assignor, by mesne assignments, to Elevator Safety Corporation, New York, N. Y. Roller guide for elevator cars. 2,251,963; Aug. 12.
Sproule, Donald O., London, assignor of one-third to A. J. Hughes, Essex, and one-third to Henry Hughes & Son Limited, London, England. Echo sounding installation. 2,252,275; Aug. 12.
Squibb, E. R., & Sons. (See Lott, William A., assignor.)
Stackhouse, Wilton E., Lansdowne, Pa., assignor to The United Gas Improvement Company. Apparatus for filtering gas. 2,251,964; Aug. 12.
Stafford, Acel R., Wilmington, Calif. Showcase. 2,252,238; Aug. 12.
Standard Car Truck Company. (See Webb, Edwin W., assignor.)
Standard-Knapp Corporation. (See Kimball, Wallace D., assignor.)
Standard Oil Company. (See Arveson, Maurice H., assignor.)
Standard Oil Company. (See Hull, Carl M., assignor.)
Standard Oil Company of California. (See Batcheider, Augustus H., assignor.)
Standard Oil Company of California. (See Rutherford, John T., assignor.)
Standard Oil Development Company. (See Armendt, Bradshaw F., assignor.)
Standard Oil Development Company. (See Juterbock, Edwin E., assignor.)
Standard Oil Development Company. (See Lieber, Eugene, assignor.)
Standard Oil Development Company. (See Lloyd, G. A. Jr., and Hermann, assignors.)
Standard Oil Development Company. (See McNab, J. G., and Watkins, assignors.)
Standard Oil Development Company. (See Miller, Pharis, assignor.)
Standard Oil Development Company. (See Morway, A. J., and Zimmer, assignors.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Standard Railway Refrigerator Company. (See Bonsall, Charles D., assignor.)
Standard Railway Refrigerator Company. (See Crede, Charles E., assignor.)
Stanley Works, The. (See Parsons, Stuart W., assignor.)
Stansfield, Richard. (See Beale, E. S. L., and Stansfield.)
Stearns, Freeman R., assignor to Carrom Industries, Inc., Ludington, Mich. Invalid or overbed table and the like. 2,252,215; Aug. 12.
Steel Heddie Manufacturing Company. (See Kaufmann, John J., assignor.)
Steele, Walter R., Lemon Grove, Calif. Harmonica. 2,252,236; Aug. 12.
Steele, William L., Seattle, Wash. Furnace. 2,252,046; Aug. 12.
Steenbergh, Alexander W., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Well pumping system and apparatus. 2,252,047; Aug. 12.
Steiner, Edward C., Hawthorne, and H. C. Hill, Montclair, N. J., assignors to Wright Aeronautical Corporation. Air-cooled cylinder head. 2,252,276; Aug. 12.
Sterzik, Adolf, St. Louis, Mo. Wooden sole shoe. 2,252,216; Aug. 12.
Steward, Douglas P., Johnstown, Pa. Resilient car wheel. 2,252,335; Aug. 12.
Stewart, Howard R., Glendale, assignor of one-third to L. D. Collings, Los Angeles, Calif. Sealing nonresealable glass containers. 2,252,217; Aug. 12.
Stiles, Edward M., Burlington, Iowa. Food storage and display device. 2,252,237; Aug. 12.
Stimson, Allen G., Schenectady, N. Y., assignor to General Electric Company. Thermal relay. 2,252,444; Aug. 12.
Stocking, Roderick P. (See Young, H. R., and Stocking.)
Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electric control system. 2,252,445; Aug. 12.
Straus, Harry H. (See Vincke, Gerhard, assignor.)
Strobridge, William, Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment pressing machine. 2,252,650; Aug. 12.
Strobridge, William, Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment press. 2,252,651; Aug. 12.
Stroup, Philip T., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Alloy. 2,252,421; Aug. 12.
Structural Patents Corporation. (See Tench, Frederick, assignor.)
Strutt, Maximiliaan J. O., assignor to N. V. Phillips' Gloeilampenfabrieken, Eindhoven, Netherlands. Mixing circuit in superheterodyne receivers. 2,252,584; Aug. 12.
Sturtz, Jonathan W., Cumberland, Md. Hardening copper. 2,252,604; Aug. 12.
Submarine Signal Company. (See Smith, Edward W., assignor.)
Surface Combustion Corporation. (See Munford, Theodore W., assignor.)
Swain, Robert C. (See Hill, W. H., Swain, and Paden.)
Swanson, Nels H., Chicago, Ill. Coin purse. 2,252,586; Aug. 12.
Swanson, William R., Toronto, Ontario, and P. Rintoul, Fairbank, Ontario, assignors to Gair Company Canada Limited, Toronto, Ontario, Canada. Drying corrugated board. 2,252,585; Aug. 12.
Sweeney, Joseph L., and H. Bates, assignors to Bates Laboratories, Inc., New York, N. Y. Typewriter. 2,252,652; Aug. 12.

Sweeny, Raymond L., Forest Hill Village, Toronto, Ontario, and G. A. Richards, assignors to Ferranti Electric Limited, Toronto, Ontario, Canada. X-ray timing apparatus. 2,252,530; Aug. 12.
Szolinger, Ferdinand. (See Simko, C. J., and Szolinger.)
Tait, Francis, Jr., Philadelphia, assignor to Howard Hosiery Company, Sinking Springs, Pa. Nonsnag footer hookup bar. 2,252,048; Aug. 12.
Tarr, Roderic D., Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spinning frame. 2,252,531; Aug. 12.
Tate, James R., Toronto, Ontario, Canada, and R. L. Henry, Detroit, Mich. Molded porous electrical brush and the like. 2,252,277; Aug. 12.
Taylor, Robert S., and C. Decker, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Refrigerator door latch. 2,252,144; Aug. 12.
Teker, John W., Wesleyville, Pa., assignor to General Electric Company. Bearing construction. 2,252,446; Aug. 12.
Telefonaktiebolaget L. M. Ericsson. (See Nyberg, Ernst V., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Röhr, Walter, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rothe, H., and Kleen, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Ulbricht, Günther, assignor.)
Temple, George W., New York, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Collapsible tube making machine. 2,252,532; Aug. 12.
Tench, Frederick, White Plains, assignor, by mesne assignments, to Structural Patents Corporation, New York, N. Y. Metallic structure. 2,252,533; Aug. 12.
Tennessee Corporation. (See Plummer, James K., assignor.)
Terman, Frederick E., Stanford University, Calif., assignor to International Standard Electric Corporation, New York, N. Y. Linear amplifying system. 2,252,049; Aug. 12.
Thoma, Willard F., assignor to National Stamping Company, Detroit, Mich. Seat slide structure. 2,252,218; Aug. 12.
Thomas, Charles E., Comanche, Okla. Grain binder. 2,252,336; Aug. 12.
Thomas, Marvin L., Norfolk, Va. Latching means. 2,252,653; Aug. 12.
Thompson, Ernest H. (See Gallagher, W. P., and Thompson.)
Thompson, Nelson W., Oakland, assignor to Shell Development Company, San Francisco, Calif. Apparatus for circulating drilling fluids. 2,252,050; Aug. 12.
Tibbets, M. A., et al. (See Hayden, George W., assignor.)
Tokheim, John J., Cedar Rapids, Iowa. Fluid sampling device. 2,252,239; Aug. 12.
Tone, Frank J., and H. C. Martin, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Manufacture of granular coated products. 2,252,587; Aug. 12.
Topeka Tent & Awning Co. (See Ackerman, Otto J., assignor.)
Tosi, John, Palisades Park, N. J. Signaling float. 2,252,358; Aug. 12.
Towle, Ellingwood H., Larchmont, N. Y. Engine. 2,252,051; Aug. 12.
Transit Research Corporation. (See Piron, Emil H., assignor.)
Trans-Lux Corporation. (See Newman, David F., assignor.)
Transportation Sash Co. Inc. (See Blessin, Siegfried E., assignor.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Oishei, John R., assignor.)
Trico Products Corporation. (See Paulus, William, assignor.)
Trico Products Corporation. (See Sibley, Edward W., assignor.)
Trost, John, Detroit, Mich. Ingot casting apparatus. 2,252,220; Aug. 12.
Trotter, John C., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Movable supporting device. 2,252,534; Aug. 12.
Trotzke, Frank, South Gate, Calif. Centrifugal tube casting machine. 2,252,219; Aug. 12.
Trump, John G., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Electrostatic apparatus. 2,252,668; Aug. 12.
Tschappat, Sheridan P., Tulsa, Okla. Packing device. 2,252,240; Aug. 12.
Tveter, Elmar, Chicago, Ill. Popcorn vending machine. 2,252,101; Aug. 12.
Ulbricht, Günther, Blankenfelde Mahlow, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Impulse direction-finding method. 2,252,447; Aug. 12.
Underpinning & Foundation Co. (See Lewers, George R., assignor.)
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Unger, Franz, and R. S. Hilpert, Brunswick-Gliesmarode, Germany. Testing vessel for holding ferromagnetic suspensions. 2,252,475; Aug. 12.
Unger, Paul O., Elmhurst, assignor to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,252,422; Aug. 12.
United Aircraft Corporation. (See Kearns, C. M., Jr., and Guerke, assignors.)
United Aircraft Corporation. (See Martin, Erle, assignor.)
United Aircraft Corporation. (See Sikorsky, I. I., Gluhareff, and Griswold, assignors.)
United Biscuit Company of America. (See Coy, Don W., assignor.)
United Gas Improvement Company, The. (See Jordan, Claude W., assignor.)
United Gas Improvement Company, The. (See Stackhouse, Wilton E., assignor.)
United Incandescent Lamp & Electrical Company. (See Dallos, George, assignor.)
United Shoe Machinery Corporation. (See Bagshaw, Charles M., assignor.)
United Shoe Machinery Corporation. (See Kennison, F., and Bell, assignors.)
United Shoe Machinery Corporation. (See Lawson, Robert H., assignor.)
United Shoe Machinery Corporation. (See Pratt, J. W., and Boothroyd, assignors.)
United States Hoffman Machinery Corporation. (See Strobridge, William, assignor.)
United States Plywood Corporation. (See Bailey, William C., assignor.)
Universal Camera Corporation. (See Githens, O. W., Kende, and Porter, assignors.)
Valentine, Percy W., Brooklyn, and K. Genin, Long Island City, N. Y. Multiple nail fastener. 2,252,102; Aug. 12.
Van Cleave, Edwin E., Chicago, Ill., and W. H. Sale, Richmond, Va., assignors to Naylor Pipe Company, Chicago, Ill. Brake beam tie. 2,252,221; Aug. 12.
Van de Beek, Mathias. (See Skillman, T. S., Baurdoux, and van de Beek.)
Van Embden, Hendrik J. M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Sublimating apparatus. 2,252,052; Aug. 12.
Van Liempt, Johannes A. M., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Flash lamp. 2,252,241; Aug. 12.
Van Nest, Arden L., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire connector. 2,252,448; Aug. 12.
Van Os, Willem D., Bad Hoevedorp, Netherlands. Device for detecting loose metal parts in the oiling systems of power plants. 2,252,222; Aug. 12.
Van Roggen, Mathieu. (See Robin, L., and van Roggen.)
Van Sant, Victor H., Westfield, assignor of one-third to W. B. Driver, Newark, and one-third to H. Kershaw, Belleville, N. J. Bolt and nut lock. 2,252,145; Aug. 12.
Vercks, W. M., et al. (See Larsen, Albert, assignor.)
Verkinderen, Honoré Mortsel, near Antwerp, assignor to Gevaert Photo-Producten, N. V., Oude-God, near Antwerp, Belgium. Color photography and color photograph. 2,251,965; Aug. 12.
Vickers-Armstrong Limited. (See Watson, John P., assignor.)
Victor Metal Products Corporation. (See Temple, George W., assignor.)
Vlucke, Gerhard, assignor to H. H. Straus, New York, N. Y. Method of and machine for making rubber thread. 2,252,389; Aug. 12.
Vivie, Wilhelmus L. L., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Adjustable gang condenser. 2,252,103; Aug. 12.
Voss, John H., Downers Grove, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,252,309; Aug. 12.
Wade, William, Chicago, Ill. Window shade ring pull. 2,252,359; Aug. 12.
Wagner, Adam, Wetzlar, Germany, assignor, by mesne assignments, to F. Dumur, Lausanne, Switzerland. Rapid shutter winding device for cameras. 2,252,449; Aug. 12.
Wagner, Wilhelm. (See Balz, O., Hamacher, and Wagner.)
Wagstaffe, Charles F. A. (See Cleaver, R. F., James, and Wagstaffe.)
Walde, Albert H., Philadelphia, Pa. Noncorrosive alloy. 2,252,104; Aug. 12.
Waldman, Isador, Chicago, Ill. Combination chair and bed. 2,252,310; Aug. 12.
Waldschmidt-Leitz, Ernst, and O. Neumann, Prague, Czechoslovakia, assignors to A. Karreth, acting under the firm Luitpold-Werke Chemisch-pharmazeutische Fabrik, Munich, Germany. Producing phytolipases poor in toxic albumins. 2,252,403; Aug. 12.
Walraven, George M., assignor to Snap-On Tools Corporation, Kenosha, Wis. Valve seat grinder stone carrier assembly. 2,252,223; Aug. 12.
Walsh, Joseph F., Newport, R. I. Measuring instrument. 2,252,146; Aug. 12.
Ward, Leonard, Electric Company. (See Logan, Frank G., assignor.)

Ward Products Corporation, The. (See Ludwig, Sidney, assignor.)
Ware, Charles M., Salt Lake City, Utah. Scale and ruler. 2,252,311; Aug. 12.
Warren, Harold R., Milton, Mass. Display closure for boxes. 2,252,147; Aug. 12.
Warren, S. D., Company. (See Johnson, Stanley J., assignor.)
Warren, S. D., Company. (See Reilly, Arthur, assignor.)
Waters, Harry F., New York, N. Y. Thermal sealing machine. 2,252,105; Aug. 12.
Waters, Harry F., New York, N. Y. Packaging method. 2,252,106; Aug. 12.
Watkins, Walter T., Jr. (See McNab, J. G., and Watkins.)
Watson, John P., Sidcup, assignor to Vickers-Armstrong Limited, London, England. Electric transmission system. 2,252,053; Aug. 12.
Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Making and assembling side bearings. 2,252,390; Aug. 12.
Webber, Minor D., assignor of one-half to F. C. Wiley, Jr., Salem, Va. Packaged goods dispenser. 2,252,654; Aug. 12.
Weida, Millard F., near Louisville, Ohio. Extrusion molding machine. 2,252,107; Aug. 12.
Welch, Arthur R., Dover, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Fishing rod handle. 2,252,054; Aug. 12.
Welsh, Albert D., Laque Village, Mo. Baby swing. 2,252,224; Aug. 12.
West, James, Newton, and W. M. Davis, Cambridge, assignors to Craftsman Line-Up Table Corporation, Waltham, Mass. Line-up and registering table for printers. 2,252,535; Aug. 12.
Western Electric Company. (See Franz, Erwin E., assignor.)
Western Electric Company. (See Grant, Robert, assignor.)
Western Electric Company. (See Hoff, Wilbur L., assignor.)
Western Electric Company. (See McLaughlin., Lawrence, assignor.)
Western Electric Company. (See Ray, Hugh P., assignor.)
Western Electric Company. (See Shipley, Wallace W., assignor.)
Western Electric Company. (See Van Nest, Arden L., assignor.)
Western Electric Company. (See Wolfson, Henry, assignor.)
Western Union Telegraph Company, The. (See Casper, Louis, assignor.)
Western Union Telegraph Company, The. (See Noxon, P. A., Rothermel, Maus, and Sortore, assignors.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bierend, Alfred, assignor.)
Westinghouse Electric & Manufacturing Company. (See Foresman, Robert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Whitmore, J. B., and Newcombe, assignors.)
Wheeler, Foster, Corporation. (See Bragg, Leslie B., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Television synchronizing system. 2,251,966; Aug. 12.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Television carrier signal receiver. 2,252,148; Aug. 12.
Wheland Company, The. (See Campbell, George E., assignor.)
Wherry, Dale J., St. Louis, Mo. Piston stabilizer and ream. 2,252,149; Aug. 12.
Whitehall Patents Corporation. (See Morin, L. H., and Marinsky, assignors.)
Whitesell, Robert J., assignor to Röhm & Haas Company, Philadelphia, Pa. Vitreous enamel opacifier. 2,252,588; Aug. 12.
Whitfield, Albert, Dearborn, Mich. Dispenser. 2,252,150; Aug. 12.
Whitmore, James B., Bloomfield, and F. A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Glass making. 2,252,589; Aug. 12.
Wick, James L., Jr., and L. M. Nesselbush, assignors to The Falcon Bronze Company, Youngstown, Ohio. Cooling plate for blast furnace inwalls and mantles. 2,252,605; Aug. 12.
Wick, James L., Jr., assignor to The Falcon Bronze Company, Youngstown, Ohio. Cooling plate for blast furnace inwalls and mantles. 2,252,606; Aug. 12.
Wideman, Luther H. (See Benoit, J. P., Allen, and Wideman.)
Widman, Charles H. (See Avery, C. W., Widman, and Clark.)
Wild, Harry, London, England, assignor to Celanese Corporation of America. Staple fiber yarn. 2,252,055; Aug. 12.
Wiley, Frank C., Jr. (See Webber, Minor D., assignor.)
Wiley, Ralph M., assignor to The Dow Chemical Company, Midland, Mich. Purifying pyrolysates of halohydrocarbons. 2,252,536; Aug. 12.
Williams, Othneil G., assignor to W. L. Gilbert Clock Corporation, Winsted, Conn. Indicating mechanism for clocks. 2,252,151; Aug. 12.
Williams Sealing Corporation. (See McQuinn, Carl, assignor.)
Wilmington Trust Company, executor. (See Carothers, Wallace H.)
Wilson, Francis V., Jr., Morrisville, Pa., and J. W. Germond, Trenton, assignors to Homasote Company, Incorporated, Fernwood, N. J. Ceiling construction. 2,252,278; Aug. 12.
Wilson, George H., Kurting, Victoria, Australia. Splash guard for motor vehicles. 2,252,537; Aug. 12.
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Winter, August P., St. Vital, Manitoba, Canada. Locking device for grain dump piston columns. 2,252,312; Aug. 12.
Winters & Crampton Corporation. (See Anderson, Lloyd L., assignor.)
Wolfson, Henry, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Fluorescent screen. 2,252,590; Aug. 12.
Wood, Everett N., Minneapolis, Minn. Gas and vapor cleaning apparatus. 2,252,242; Aug. 12.
Work, Ernest W., New Britain, Conn., assignor to Patent Development Company Limited, Toronto, Ontario, Canada. Pressure control valve. 2,252,152; Aug. 12.
Worthen, Sidney L., Garnett, Kans. Orifice disk. 2,252,337; Aug. 12.
Worthington, Raymond S., Akron, assignor to The Kennedy Service Tools Company, Mogadore, Ohio. Tire tool. 2,252,108; Aug. 12.
Wright Aeronautical Corporation. (See Steiner, E. C., and Hill, assignors.)
Wright, Daniel K., Cleveland Heights, Ohio, assignor to General Electric Company. Base for electric lamps. 2,252,476; Aug. 12.
Wright, Martha H. (See Creighton, Thomas A., assignor.)
Wrigley, Wm., Jr., Company. (See Redd, William R., assignor.)
Yoder, Carl M., Lakewood, Ohio. Machine for and process of forming structural members. 2,251,967; Aug. 12.
Young, George R., Onehunga, Auckland, New Zealand. Soldering iron. 2,252,538; Aug. 12.
Young, Harry R., Lower Merion, and R. P. Stocking, Drexel Hill, assignors to William Sellers & Company, Incorporated, Philadelphia, Pa. Rotatable tool holder. 2,252,655; Aug. 12.
Young, William R. (See Bryant, F. D., and Young.)
Youngman, Robert T., Church Crookham, Aldershot, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England. Flap for airfoils. 2,252,656; Aug. 12.
Zap, Edward F., Westwood Village, Calif. Airfoil slot. 2,252,657; Aug. 12.
Zaken, Lester, Brooklyn, assignor to M. P. Condon, New York, N. Y. Cigarette lighter. 2,252,676; Aug. 12.
Zimba Beverage Co. (See Snelling, Nicholas, assignor.)
Zimmer, John C. (See Morway, A. J., and Zimmer.)
Zimmer, Joseph, Brooklyn, N. Y. Swimming shoe. 2,252,450; Aug. 12.
Zirngibl, Hans, and H. Zur Strassen, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Manufacture of sulphur dioxide and Portland cement from calcium sulphate and the usual additions containing aluminum silicate. 2,252,279; Aug. 12.
Zoppelt, Samuel, Berea, Ohio. Rope tie hook. 2,252,243; Aug. 12.
Zur Strassen, Heinrich. (See Zirngibl, H., and Zur Strassen.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Couch bed. J. Martin. Re. 21,874; Aug. 12.
Faucet unit, Thermostatically controlled. L. N. Hermann. Re. 21,873; Aug. 12.
Hinge and making members therefor. W. J. Tierney. Re. 21,876; Aug. 12.
Projection apparatus. D. F. Newman. Re. 21,875; Aug. 12.
Regulating device for stock quotation projectors, Tape. A. D. Eitzen. Re. 21,872; Aug. 12.

LIST OF PLANT INVENTIONS

Camellia plant. K. Sawada. 481; Aug. 12.
Rose plant. R. L. Byrum. 485; Aug. 12.
Rose plant. J. Gaujard. 482; Aug. 12.
Rose plant. W. I. Johnston. 483; Aug. 12.
Rose plant. W. Kordes. 484; Aug. 12.

LIST OF DESIGN INVENTIONS

Box, Service cable connection. E. T. Hagist. 128,842; Aug. 12.
Bracket and flower holder, Combination supporting. L. P. Weil. 128,838; Aug. 12.
Brooch and locket, Combined. V. Silson. 128,831; Aug. 12.
Brooch or similar article. A. Katz. 128,823–4; Aug. 12.
Brooch or similar article. T. C. Steinman. 128,833–4; Aug. 12.
Building block. E. Steinhard. 128,811; Aug. 12.
Cabinet, Combined radio and phonograph. J. Huarisa. 128,820; Aug. 12.
Cabinet for an ice cubing machine. W. C. Pfeil. 128,827; Aug. 12.
Cathead, Automatic. F. M. Owen. 128,826; Aug. 12.
Chair. R. R. Scheinfield. 128,802; Aug. 12.
Chess men. W. F. Drucke. 128,794; Aug. 12.
Clip, Pin. A. Katz. 128,822; Aug. 12.
Clothespin. W. W. Van Der Clute. 128,835–6; Aug. 12.
Coat. J. Epstein. 128,845; Aug. 12.
Coat. M. Frascino. 128,852; Aug. 12.
Coat. L. B. Gallagher. 128,883; Aug. 12.
Coat. H. Raiffe. 128,879; Aug. 12.
Collar, Fur. M. Levy. 128,858; Aug. 12.
Collar, Fur. H. Raiffe. 128,859; Aug. 12.
Container for bottled products. R. Loewy. 128,785; Aug. 12.
Container, Lipstick. W. B. Petzold. 128,847–50; Aug. 12.
Cutter, Vegetable. R. W. Linenfelser. 128,784; Aug. 12.
Desk and counter or similar article, Combined. O. Ullery. 128,791; Aug. 12.
Dish, Soap. G. A. Hallenscheid. 128,781; Aug. 12.
Doll. J. C. Gray. 128,796; Aug. 12.
Drawer pull. R. J. Gans. 128,776–7; Aug. 12.
Drawer pull or similar article. H. E. De Vries. 128,774; Aug. 12.
Dress. G. Birnbaum. 128,870; Aug. 12.
Dress. B. Cashin. 128,896–900; Aug. 12.
Dress. W. Clion. 128,871; Aug. 12.
Dress. J. Copeland. 128,841; Aug. 12.
Dress. E. Cutler. 128,851; Aug. 12.
Dress. E. Cutler. 128,880–1; Aug. 12.
Dress. D. Davis. 128,882; Aug. 12.
Dress. N. E. Debus. 128,861; Aug. 12.
Dress. N. E. Debus. 128,872–3; Aug. 12.
Dress. A. Duke. 128,862; Aug. 12.
Dress. A. Duke. 128,901; Aug. 12.
Dress. L. B. Gallagher. 128,863; Aug. 12.
Dress. Z. Golden. 128,865; Aug. 12.
Dress. Z. Golden. 128,874; Aug. 12.
Dress. V. Jacobs. 128,908; Aug. 12.
Dress. S. B. Kaufmann. 128,857; Aug. 12.
Dress. S. B. Kaufman. 128,875; Aug. 12.
Dress. S. B. Kaufman. 128,887; Aug. 12.
Dress. S. B. Kaufman. 128,911–13; Aug. 12.
Dress. S. B. Kaufman. 128,915–16; Aug. 12.
Dress. B. Kessler. 128,868; Aug. 12.
Dress. M. K. McClintock. 128,925; Aug. 12.
Dress. M. McCoy. 128,918–23; Aug. 12.
Dress. D. W. Price. 128,869; Aug. 12.
Dress. D. W. Price. 128,876–8; Aug. 12.
Dress. J. Richards. 128,926–7; Aug. 12.
Dress. F. B. Saloff. 128,888–90; Aug. 12.
Dress. N. Shapiro. 128,860; Aug. 12.
Dress. N. Shapiro. 128,892–3; Aug. 12.
Dress. S. Weinstein. 128,894–5; Aug. 12.
Dress ensemble. J. Copeland. 128,840; Aug. 12.
Dress ensemble. L. B. Gallagher. 128,902–3; Aug. 12.
Dress ensemble. Z. Golden. 128,866; Aug. 12.
Dress ensemble. Zelma Golden. 128,884–6; Aug. 12.
Dress ensemble. Z. Golden. 128,904–7; Aug. 12.
Dress ensemble. V. Jacobs. 128,909; Aug. 12.
Dress ensemble. S. B. Kaufman. 128,855–6; Aug. 12.
Dress ensemble. S. B. Kaufman. 128,867; Aug. 12.
Dress ensemble. S. B. Kaufman. 128,914; Aug. 12.
Dress ensemble. M. K. McClintock. 128,924; Aug. 12.
Dress ensemble. F. B. Saloff. 128,891; Aug. 12.
Edging strip or similar article. W. L. Bonnell. 128,793; Aug. 12.
Emblem, Appliqué. E. H. Hirsch. 128,798; Aug. 12.
Exhaust shroud or similar article, Automobile. G. C. Boettger. 128,816; Aug. 12.
Fabric, Textile. L. Kalman. 128,846; Aug. 12.
Flashlight and detachable reflector, Combined. L. V. Porter. 128,788; Aug. 12.
Front for a necktie holder or other similar article of jewelry. C. Silvernian. 128,804; Aug. 12.
Handbag. H. Green. 128,853; Aug. 12.
Handle stick and confection, Combination. E. B. Herman. 128,797; Aug. 12.
Hanger, Clothes. G. J. Rhodes. 128,789; Aug. 12.
Hat. A. J. Stack and A. C. Moran. 128,807–10; Aug. 12.
Hat. A. J. Stack and S. Olivan. 128,805–6; Aug. 12.
Hat or similar article. R. Jacobson. 128,910; Aug. 12.
Heater. L. H. Wilson. 128,815; Aug. 12.
Heel, Rubber. A. A. Esterson. 128,817; Aug. 12.
Instrument for determining the light-fastness of color. C. W. Jameson. 128,821; Aug. 12.
Ironing machine. C. E. Waltman. 128,813; Aug. 12.
Leather or similar article. J. Schiess. 128,803; Aug. 12.
Lighting fixture. C. D. McCann. 128,786; Aug. 12.
Lipstick holder and eye shadow case, Combined. F. N. Lewis. 128,843; Aug. 12.
Mitten. N. J. Rice. 128,801; Aug. 12.
Negligee. R. Halpern. 128,854; Aug. 12.
Package, Gift. M. H. Lull. 128,799; Aug. 12.
Pin or similar article. A. Fingerhut. 128,818; Aug. 12.
Rack, Broom. W. F. Vernon. 128,837; Aug. 12.
Rack, Umbrella. C. N. Wells. 128,814; Aug. 12.
Sheet metal for metal containers or the like, Lithographed. E. E. Engstrom. 128,795; Aug. 12.
Shoe or similar article. S. A. Wood. 128,839; Aug. 12.
Soap holder and grab bar, Combination. G. A. Hallenscheid. 128,783; Aug. 12.
Soap holder or similar article, Recessed. G. A. Hallenscheid. 128,779; Aug. 12.
Spoon or other article of flatware. F. W. Stark. 128,832; Aug. 12.
Spoon or similar article. J. S. Russell. 128,828–9; Aug. 12.
Stand, Display. J. Gerber. 128,778; Aug. 12.
Stand, Display. M. C. Meyer. 128,800; Aug. 12.
Stand, for cigarette lighters, flashlights, or the like, Display. A. S. Weston. 128,792; Aug. 12.
Suit. L. B. Gallagher. 128,864; Aug. 12.
Toothbrush holder. J. E. Fitzgerald. 128,775; Aug. 12.
Towel bar. R. S. Sanford. 128,790; Aug. 12.
Towel bar. R. S. Sanford. 128,830; Aug. 12.
Towel bar post. G. A. Hallenscheid. 128,782; Aug. 12.
Trap for snails, slugs and sow bugs or the like. B. M. Nelson. 128,787; Aug. 12.
Tray or similar article, Pastry. C. J. Uhrmann. 128,812; Aug. 12.
Trimming or similar article, Embroidered lace. R. Koenig. 128,917; Aug. 12.
Truck. C. G. Schulze. 128,844; Aug. 12.
Truck, Hand. G. Gambs. 128,819; Aug. 12.
Tumbler and tooth brush holder, Combination. G. A. Hallenscheid. 128,780; Aug. 12.
Vehicle body. E. W. Magill. 128,825; Aug. 12.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. W. A. Anderson. 2,251,969; Aug. 12.
Accounting machine. C. J. Goodale. 2,251,998; Aug. 12.
Acid purification, Benzoic. C. Conover. 2,252,117; Aug. 12.
Acids, Amine derivatives of sulphodicarboxylic. A. O. Jaeger. 2,252,401; Aug. 12.
Acids and making same, Wax-substituted aryl ethers. O. M. Reiff and F. P. Otto. 2,252,666; Aug. 12.
Adhesive applying apparatus. A. Klammt. 2,252,432; Aug. 12.
Adhesive dispenser. L. Beeh. 2,252,542; Aug. 12.
Adjustable chair. W. A. Rockenfield. 2,252,097; Aug. 12.
Adjustable gang condenser. W. L. L. Vivie. 2,252,103; Aug. 12.
Air conditioning system. A. B. Simon. 2,252,142; Aug. 12.
Air pump. J. R. Oishei. 2,252,661; Aug. 12.
Aircraft. I. I. Sikorsky, M. E. Gluhareff, and R. W. Griswold. 2,252,528; Aug. 12.
Aircraft having rotative sustaining wings or blades. J. A. Bennett. 2,252,544; Aug. 12.
Airfoil slot. E. F. Zap. 2,252,657; Aug. 12.
Alarm, Theft. W. C. Engel. 2,252,497; Aug. 12.
Alcohols of the cyclopentano polyhydro phenanthrene series and producing the same, Tertiary. J. Kathol. 2,251,939; Aug. 12.
Alloy: *See*—
Noncorrosive alloy.
Alloy. P. T. Stroup. 2,252,421; Aug. 12.
Alternator for paper-folding machines. C. I. Knapp. 2,252,322; Aug. 12.
Ammunition container. J. F. Haberlin. 2,252,227; Aug. 12.
Amplifier, Direct and alternating current. F. J. Bingley. 2,252,612; Aug. 12.
Amplifier, Grounded plate. J. W. Conklin and S. Gubin. 2,252,458; Aug. 12.
Amplifier, Thermionic. B. B. Jacobsen and A. H. Roche. 2,252,007; Aug. 12.
Amplifying system, Linear. F. E. Terman. 2,252,049; Aug. 12.
Anchor, Guy. G. McD. Johns. 2,252,379; Aug. 12.
Anchor, Screw. A. W. Gelpcke. 2,252,316; Aug. 12.
Anesthetic bases and intermediates, Making. S. D. Goldberg. 2,251,996; Aug. 12.
Animal trapping device. L. F. Navin. 2,252,405; Aug. 12.
Antenna mounting, Concealed. S. Ludwig. 2,252,671; Aug. 12.
Antiaircraft projectile. H. W. Dawson. 2,251,918; Aug. 12.
Apparatus and method for the administration of gases. K. Connell. 2,251,986; Aug. 12.
Apparatus for activating cement on shoe soles. J. W. Pratt and H. Boothroyd. 2,252,031; Aug. 12.
Apparatus for activating thermoplastic cement. J. W. Pratt and H. Boothroyd. 2,252,030; Aug. 12.
Apparatus for circulating drilling fluids. N. W. Thompson. 2,252,050; Aug. 12.
Apparatus for compensating the operating time of electrical devices. E. L. Keller. 2,252,321; Aug. 12.
Apparatus for cutting vegetation. J. W. Murphy. 2,252,601; Aug. 12.
Apparatus for dispensing. A. E. Kimball. 2,251,942; Aug. 12.
Apparatus for feeding glass flares. J. Flaws, Jr. 2,252,498; Aug. 12.
Apparatus for filtering gas. W. E. Stackhouse. 2,251,964; Aug. 12.
Apparatus for flattening and leveling sheet, coil, and plate material. F. K. Maussnest. 2,252,085; Aug. 12.
Apparatus for machining workpieces. A. Oberhoffken, F. J. Kampmeier, and H. W. Johnson. 2,251,948; Aug. 12.
Apparatus for making flower holders. F. H. Meyer. 2,252,193; Aug. 12.
Apparatus for making of photographic contact copies of documents. W. Ganley. 2,252,562; Aug. 12.
Apparatus for producing constant current. J. F. Rougvie. 2,252,645; Aug. 12.
Apparatus for producing displays by rotating luminous bodies. J. O. Luthy. 2,252,347; Aug. 12.
Apparatus for the production of finely divided substances. E. W. Smith. 2,251,959; Aug. 12.
Apparatus for the spectroscopic analysis of materials. W. L. Hoff. 2,252,508; Aug. 12.
Apparatus for use in the manufacture of barricades. W. Börkey. 2,252,490; Aug. 12.
Applicator, Mascara. J. C. and E. G. Brollier. 2,252,551; Aug. 12.
Articles having transparencies and the resulting articles, Making. R. L. Gray. 2,251,930; Aug. 12.
Asphalts, Manufacturing. A. H. Batchelder. 2,252,111; Aug. 12.
Assembling apparatus. L. McLaughlin. 2,252,437; Aug. 12.
Attachment for harvester-threshers, Pickup. B. M. Hyman. 2,252,376; Aug. 12.
Attachment for single or two thread chain over stitch producing machines. E. Liuzzi. 2,252,266; Aug. 12.
Automatic apparatus for filling cans by vacuum. F. P. dos S. Mendonca and A. M. Pinto. 2,252,291; Aug. 12.
Awning arm adjustment. O. J. Ackerman. 2,252,109; Aug. 12.
Awning, Shutter. J. O. Ackerman. 2,252,677; Aug. 12.
Azo compound and material colored therewith. J. G. McNally and J. B. Dickey. 2,251,947; Aug. 12.
Azo compounds and materials colored therewith. J. B. Dickey and J. R. Byers, Jr. 2,251,921; Aug. 12.
Baler, Pickup. C. R. Raney. 2,252,354; Aug. 12.
Band brake. O. B. Bjorge. 2,252,247; Aug. 12.
Bar: *See*—
Hookup bar.
Towel and washcloth bar.
Barber chair auxiliary seat. P. Rummerfield. 2,252,137; Aug. 12.
Base for electric lamps. D. K. Wright. 2,252,476; Aug. 12.
Basin-forming device. A. C. Lindgren. 2,252,383; Aug. 12.
Basing machine. A. J. Marshaus. 2,252,517; Aug. 12.
Basket, Display. J. T. Morehouse. 2,252,021; Aug. 12.
Bat and tine construction for harvester reels. H. D. Hume. 2,252,180; Aug. 12.
Bathing device and filling hose and spray accessory therefor, Infant's. D. M. and B. H. Kennedy. 2,252,428; Aug. 12.
Battery and holder. O. Jones and R. Ranage. 2,252,633; Aug. 12.
Battery frame for a hearing aid. W. J. Field and N. J. Quam. 2,251,928; Aug. 12.
Battery liquid filler, Automatic. E. Oettinger. 2,252,026; Aug. 12.
Bearing. H. A. Knox. 2,251,944; Aug. 12.
Bearing construction. J. W. Teker. 2,252,446; Aug. 12.
Bearings, Making and assembling side. E. W. Webb. 2,252,390; Aug. 12.
Bending device. P. P. Martin. 2,252,329; Aug. 12.
Binder, Grain. C. E. Thomas. 2,252,336; Aug. 12.
Binder, Loose-leaf. P. O. Unger. 2,252,422; Aug. 12.
Bit: *See*—
Well bit.
Block: *See*—
Sanding block.
Blower for heat treating furnace. T. W. Munford. 2,252,673; Aug. 12.
Board: *See*—
Corrugated board.
Ironing board.
Game board.
Boat and launching tackle therefor, Life. I. R. and F. E. Fleming. 2,252,343; Aug. 12.
Bobbin holder. E. A. Glasbrook. 2,252,625; Aug. 12.
Boiler. J. P. Seamons. 2,252,140; Aug. 12.
Bolt and nut lock. V. H. Van Sant. 2,252,145; Aug. 12.
Bonding material and making the same. C. R. Payne and E. T. Severs. 2,252,331; Aug. 12.
Bookrack. A. Raucci. 2,252,306; Aug. 12.
Bottle carrier. M. Snelling. 2,252,235; Aug. 12.
Box. E. C. Mulnix. 2,252,023; Aug. 12.
Box squeeze. A. H. Brase. 2,252,283; Aug. 12.
Brace, Insulated panel. R. G. le Tourneau. 2,252,012; Aug. 12.
Bracket jig, Replacement. M. S. Johnson. 2,252,511; Aug. 12.
Brake: *See*—
Band brake.
Brake. A. W. Scarratt. 2,252,355; Aug. 12.
Brake beam tie. E. E. Van Cleave and W. H. Sale. 2,252,221; Aug. 12.
Brake mechanism, Servo. G. R. G. Gates. 2,252,482; Aug. 12.
Brush and the like, Molded porous electrical. J. R. Tate and R. L. Henry. 2,252,277; Aug. 12.
Bubble caps, Making. W. R. Grunow. 2,252,000; Aug. 12.
Building material, Refractory. V. M. Goldschmidt. 2,252,317; Aug. 12.
Building structure, Prefabricated. R. T. Hulsander. 2,252,568; Aug. 12.
Bulb protector. H. T. Gray. 2,252,073; Aug. 12.
Burner: *See*—
Oil burner.
Burner for liquid fuels. J. L. Breese. 2,252,162; Aug. 12.

Bushings, Making. W. C. McCoy. 2,252,299; Aug. 12.
Cabinet: *See*—
Shoe cabinet.
Calculating machine. U. Eichler. 2,252,621; Aug. 12.
Camera, Motion picture. O. W. Githens, G. Kende, and E. M. Porter. 2,252,563; Aug. 12.
Camera, Reflex. K. Nüchterlein. 2,252,040; Aug. 12.
Camera with exposure meter, Motion picture. L. Leitz, H. Becker, and H. Broschke. 2,252,575; Aug. 12.
Can opener attachment. W. V. O'Brien. 2,252,024; Aug. 12.
Candy shaping machine. E. W. Bridge. 2,252,248; Aug. 12.
Car: *See*—
Dump car. Refrigerator car.
Carburetor. G. R. Ericson. 2,252,120; Aug. 12.
Carburetor structure. D. Gordon and H. A. Carlson. 2,252,122; Aug. 12.
Carrier: *See*—
Bottle carrier.
Carrier assembly, Valve seat grinder stone. G. M. Walraven. 2,252,223; Aug. 12.
Carton sealing means. T. H. Lust. 2,252,435; Aug. 12.
Casket receiving device. O. T. Hovarter. 2,252,178; Aug. 12.
Casting apparatus, Ingot. J. Trost. 2,252,220; Aug. 12.
Casting machine, Centrifugal tube. F. Trotzke. 2,252,219; Aug. 12.
Casting machine, Typographical slug. R. H. Scott, W. F. Gorse, and A. S. Hayward. 2,252,473; Aug. 12.
Catalogue or file leaves with hinges, Providing loose-leaf. H. D. Ralston and O. Felix. 2,252,202; Aug. 12.
Catalytic apparatus. C. H. Schlesman. 2,252,667; Aug. 12.
Ceiling construction. F. V. Wilson, Jr. and J. W. Germond. 2,252,278; Aug. 12.
Cementing apparatus, Well. C. E. Burt. 2,251,977; Aug. 12.
Ceramic products, Producing sized. E. T. Hermann. 2,252,427; Aug. 12.
Chain: *See*—
Dobby chain. Tire chain.
Chair: *See*—
Adjustable chair.
Chair and bed, Combination. I. Waldman. 2,252,310; Aug. 12.
Cigarettes, Making. A. J. Moser. 2,252,231; Aug. 12.
Circuit: *See*—
Intercommunicating cir- Interference responsive circcuit. cuit.
Circuit in superheterodyne receivers, Mixing. M. J. O. Strutt. 2,252,584; Aug. 12.
Circuits for integrating and differentiating electric variations. E. S. L. Beale and R. Stansfield. 2,251, 973; Aug. 12.
Circuits, Wide-band coupling. V. R. Beck. 2,252,609; Aug. 12.
Clamp for nonskid devices. C. Pasquarella, Jr. 2,252,027; Aug. 12.
Cleaner: *See*—
Rotary tooth cleaner. Windshield cleaner.
Cleaner construction, Windshield. W. Paulus. 2,252,350; Aug. 12.
Cleaning apparatus, Gas and vapor. E. N. Wood. 2,252,242; Aug. 12.
Cleaning device, Rail. C. A. Cadwell and N. G. Carlson. 2,251,978; Aug. 12.
Cleaning device, Smoking pipe. D. Gordon. 2,252,175; Aug. 12.
Clevis, Open side. A. A. Hocher. 2,252,566; Aug. 12.
Clock assembly means. A. A. Martin. 2,252,192; Aug. 12.
Clock, Electric. J. W. Hobbs. 2,252,375; Aug. 12.
Clutch. W. H. Harstick. 2,252,373; Aug. 12.
Clutch operating mechanism. H. W. Price. 2,252,136; Aug. 12.
Coating composition. C. M. Hull. 2,252,485; Aug. 12.
Coating composition and the like. M. H. Arveson. 2,252,486; Aug. 12.
Coating for soldering irons, Silver solder. W. W. Shipley. 2,252,443; Aug. 12.
Coffee making device. J. T. Bowen. 2,252,614; Aug. 12.
Coil and making the same, Electrical. T. F. Rosing. 2,252,208; Aug. 12.
Combustion motor, compressor, or the like, Arrangement in. K. E. Kylen. 2,252,187; Aug. 12.
Communication system using modulated waves. H. Chireix. 2,252,062; Aug. 12.
Compass, Gyromagnetic. R. Alkan. 2,252,338; Aug. 12.
Composing and distribnting machine, Typographical. R. H. Scott, W. F. Gorse, and A. S. Hayward. 2,252,472; Aug. 12.
Condensation product containing sulphur. W. Frost. 2,252,366; Aug. 12.
Condenser: *See*—
Adjustable gang condenser
Connector: *See*—
Wire connector.
Container: *See*—
Ammunition container.
Container. C. C. Conway Jr. 2,251,987; Aug. 12.
Container. G. C. Erb. 2,251,926; Aug. 12.
Container. L. L. Ladd. 2,252,381; Aug. 12.
Container and making same. C. Barbieri. 2,252,360; Aug. 12.
Container for baked goods and the like. A. G. MacIntyre. 2,252,297; Aug. 12.
Container with music works. R. K. Kind and R. H. Konikoff. 2,252,289; Aug. 12.
Control apparatus. J. Flaws, Jr. 2,252,499; Aug. 12.
Control device, Draft. C. A. Crooker. 2,252,425; Aug. 12.
Control equipment for synchronous frequency converters, Automatic. H. Bany. 2,252,453; Aug. 12.
Control means, Power plant. E. Martin. 2,252,518; Aug. 12.
Control switch means. C. B. Moore. 2,252,301; Aug. 12.
Control system. H. Bany. 2,252,452; Aug. 12.
Control system. A. F. Krogh. 2,252,323; Aug. 12.
Control system, Fuel feeding. A. E. Baak and G. M. Brown. 2,252,154; Aug. 12.
Control system, Railway train. O. W. Reid and E. du P. Erasmus. 2,252,525; Aug. 12.
Control system, Vehicle. D. H. Kenny. 2,252,009; Aug. 12.
Control valve for drop hammers. W. W. Criley. 2,252,314; Aug. 12.
Conveyer. A. Redler. 2,252,033; Aug. 12.
Conveyer. A. D. Sinden. 2,252,460; Aug. 12.
Cooling plate for blast furnace inwalls and mantles. J. L. Wick, Jr. 2,252,606; Aug. 12.
Cooling plate for blast furnace inwalls and mantles. J. L. Wick, Jr. and L. M. Nesselbush. 2,252,605; Aug. 12.
Cooling unit, Forced air circulation. A. F. Hoesel. 2,251,907; Aug. 12.
Cooling unit, Partition. H. J. Krackowizer. 2,252,010; Aug. 12.
Copper, Hardening. J. W. Sturtz. 2,252,604; Aug. 12.
Coring device. R. DeLong. 2,252,620; Aug. 12.
Corn picker. R. H. Blank. 2,252,159; Aug. 12.
Corner members, Making. F. W. Adams. 2,252,539; Aug. 12.
Corrugated Board, Drying. W. R. Swanson and P. Rintoul. 2,252,585; Aug. 12.
Coupler, Railway car. A. V. Card. 2,251,982; Aug. 12.
Coupling: *See*—
Hydraulic coupling.
Cowl fastener. C. E. Hathorn. 2,252,286; Aug. 12.
Crack cutter. E. B. Archer. 2,252,540; Aug. 12.
Cracker machine. V. F. Carus. 2,252,362–3; Aug. 12.
Cultivating machine. W. Bauer. 2,252,477; Aug. 12.
Curing surface covering materials. C. R. Caryl. 2,252,394; Aug. 12.
Curing of surface covering materials, Acceleration of the. W. W. Durant. 2,252,397; Aug. 12.
Curing surface covering materials. W. W. Durant. 2,252,398; Aug. 12.
Curtain and the like and a means for suspending same. R. French. 2,252,070; Aug. 12.
Cutter: *See*—
Crack cutter.
Cutter for cutting gears. E. T. Slayton. 2,252,044; Aug. 12.
Cutting and measuring apparatus for oil-cloth or similar material. C. M. McCarthy. 2,252,086; Aug. 12.
Cutting and sorting machine, Potato. A. Larsen. 2,252,265; Aug. 12.
Cutting tool. A. E. Hintermeyer. 2,252,005; Aug. 12.
Cylinder head, Air-cooled. E. C. Steiner and H. C. Hill. 2,252,276; Aug. 12.
Damping unit for watt-hour meters. S. S. Green. 2,252,483; Aug. 12.
Deaerator for carbonating systems. R. N. Bostock. 2,252,313; Aug. 12.
Decoy. P. F. Keays. 2,252,262; Aug. 12.
Device for clamping cranes and the like. F. G. Scobie. 2,252,648; Aug. 12.
Device for detecting loose metal parts in the oiling systems of power plants. W. D. van Os. 2,252,222; Aug. 12.
Device for inserting pessaries. M. Silver. 2,252,212; Aug. 12.
Device for locating the occlusal plane. B. F. Gifford. 2,252,426; Aug. 12.
Device for manually adjusting machine. D. D. Demarest, C. Berendt, and W. Karius. 2,252,670; Aug. 12.
Device for peeling potatoes and the like. C. G. Palmer. 2,252,094; Aug. 12.
Device for removing the woody matter from fiber-containing stalks. K. Frische. 2,252,502; Aug. 12.
Device to increase depth-sharpness and clearness of photographs. C. J. Simko and F. Szolinger. 2,252,583; Aug. 12.
Dialyzing apparatus. M. Skolnik. 2,252,213; Aug. 12.
Die holder. E. J. P. Fisher. 2,252,365; Aug. 12.
Die holder. R. L. Greenleaf and C. R. Dougherty. 2,252,484; Aug. 12.
Differential, Gearless. F. A. Reynolds. 2,252,205; Aug. 12.
Direction-finding method, Impulse. G. Ulbricht. 2,252,447; Aug. 12.
Discharge device. H. J. Spanner. 2,252,474; Aug. 12.
Discharge device, Animated electrical. J. H. McCauley. 2,252,638; Aug. 12.
Disk, Orifice. S. L. Worthen. 2,252,337; Aug. 12.
Dispenser: *See*—
Adhesive dispenser. Packaged goods dispenser.
Liquid dispenser.
Dispenser. A. Whitfield. 2,252,150; Aug. 12.
Dispenser carton holder. F. L. Broeren and A. S. Krueger. 2,252,616; Aug. 12.
Dispensing machine. L. D. Dennis. 2,252,493; Aug. 12.

Display closure for boxes. H. R. Warren. 2,252,147; Aug. 12.
Distillation, Fractional. L. B. Bragg. 2,252,550; Aug. 12.
Distributing machine, Typographical. J. H. Hilpman. 2,252,507; Aug. 12.
Dobby chain. W. B. Harris. 2,252,344; Aug. 12.
Doll and making the same. A. M. Katz. 2,252,077; Aug. 12.
Door lock. C. Hoffman. 2,251,937; Aug. 12.
Door operator, Remote control. W. Galeazi. 2,252,172; Aug. 12.
Drafting arrangement for spinning frames and other similar machines. J. E. Liebaut. 2,252,011; Aug. 12.
Drier: *See*—
Rotary tenter drier.
Drilling mechanism. R. K. Jeffrey. 2,252,598; Aug. 12.
Drilling, Method of. R. and W. M. Cross, Jr. 2,252,669; Aug. 12.
Drinking device, Livestock. C. Gerken. 2,252,623; Aug. 12.
Drive mechanism, Pressure. J. D. Bell. 2,252,156; Aug. 12.
Driving means for connecting driving and driven members, Releasable. W. R. Redd. 2,252,032; Aug. 12.
Drum for furnaces and the like, Heat retaining. E. Hirter. 2,252,631; Aug. 12.
Drum opening tool. J. D. O'Brien. 2,252,406; Aug. 12.
Dump car. A. V. Card. 2,251,981; Aug. 12.
Dump vehicle. H. F. Flowers. 2,251,993; Aug. 12.
Dust cart. O. Ballert. 2,252,608; Aug. 12.
Dust recovery apparatus for chemical and waste heat recovery installations. F. H. Rosencrants. 2,252,307; Aug. 12.
Dye jig. F. Kenyon. 2,252,659; Aug. 12.
Dynamoelectric machine. M. M. Safford. 2,252,440; Aug. 12.
Easel. M. Kohn. 2,252,571; Aug. 12.
Echo sounding installation. D. O. Sproule. 2,252,275; Aug. 12.
Efficiency meter. W. E. Germer. 2,252,367; Aug. 12.
Electrical device. F. W. Godsey, Jr. 2,251,995; Aug. 12.
Electrode for storage batteries. J. B. Brennan. 2,251,913; Aug. 12.
Electromagnetic cores, Making. E. E. Franz. 2,252,461; Aug. 12.
Electron discharge device. A. V. Haeff. 2,252,565; Aug. 12.
Electron discharge device. H. Rothe and W. Kleen. 2,252,580; Aug. 12.
Electron tube. W. Dallenbach and A. Allerding. 2,252,118; Aug. 12.
Electrostatic apparatus. J. G. Trump. 2,252,668; Aug. 12.
Elevator, Can tester. W. Pechy. 2,251,949; Aug. 12.
Embalming machine. T. Gilmore and L. Junod. 2,252,624; Aug. 12.
Engine: *See*—
Internal combustion engine.
Engine. E. H. Towle. 2,252,051; Aug. 12.
Esters and amides of unsaturated acids. W. A. Lott. 2,251,946; Aug. 12.
Esters and other esters of unsaturated alcohols, Making vinyl. H. C. Chitwood. 2,251,983; Aug. 12.
Esters and producing same, Complex. T. F. Bradley and W. B. Johnston. 2,252,393; Aug. 12.
Esters, Halogenated sulpho-acetic acid. B. R. Harris and F. J. Cahn. 2,251,932; Aug. 12.
Esters of polymeric metaphosphoric acid, Obtaining. A. Beyer. 2,252,479; Aug. 12.
Ethers of thyroxin and their esters and making the same. A. Loeser. 2,252,230; Aug. 12.
Evacuant receptacle. P. T. Griffin. 2,252,503; Aug. 12.
Fabric: *See*—
Woven fabric.
Fabric and producing the same, Pile. F. Koch. 2,252,433; Aug. 12.
Fastener: *See*—
Cowl fastener. Separable fastener.
Multiple nail fastener. Windowpane fastener.
Fastening for vessel covers, Pressure-sealing. A. Bierend. 2,252,488; Aug. 12.
Fastening means, Rail. P. Landis. 2,252,515; Aug. 12.
Feeder: *See*—
Wire feeder.
Feeding means for knitting machines. E. St. Pierre. 2,252,214; Aug. 12.
Feeding mechanism, Blank. H. S. Labombarde. 2,251,945; Aug. 12.
Feeding mechanism for bottle packing machines. W. D. Kimball. 2,252,127; Aug. 12.
Ferric sulphate, Making. J. K. Plummer. 2,252,332; Aug. 12.
File for form slips and the like. L. Breuer. 2,252,615; Aug. 12.
Filing equipment. E. Kern. 2,252,402; Aug. 12.
Filler for grease guns. W. D. Brue. 2,252,115; Aug. 12.
Film and printing the same, Sound-picture. G. Holst, R. J. H. Alink, and K. J. Keuning. 2,252,006; Aug. 12.
Film developing apparatus. C. L. Horner. 2,252,259; Aug. 12.
Film reproducing system, Sound. A. C. Blaney. 2,252,282; Aug. 12.
Firebox. L. E. Seeley. 2,252,041; Aug. 12.
Fishing rod handle. A. R. Welch. 2,252,054; Aug. 12.
Flag support for motor vehicles. M. E. Dean. 2,251,989; Aug. 12.
Flap for airfoils. R. T. Youngman. 2,252,656; Aug. 12.
Flash lamp. J. A. M. van Liempt. 2,252,241; Aug. 12.
Flashlight with interchangeable reflectors. L. A. Delcken. 2,251,920; Aug. 12.
Flasher. L. R. Harmon. 2,252,003; Aug. 12.
Flaw detector mechanism, Rail. J. H. Bigelow. 2,252,424; Aug. 12.
Float. E. A. Sperry, Jr. 2,252,420; Aug. 12.
Flooring product, Composite. A. Klammt. 2,252,430; Aug. 12.
Flooring products, Producing and laying. A. Klammt. 2,252,431; Aug. 12.
Flotation apparatus. J. C. MacIntosh. 2,252,576; Aug. 12.
Fluid discharge apparatus for laundry machines. A. H. Gerhardt. 2,252,072; Aug. 12.
Fluid heater. P. R. Cassidy. 2,252,061; Aug. 12.
Fluid mixer. E. E. Juterbock. 2,252,076; Aug. 12.
Fluorescent materials, Preparing. G. R. Fonda 2,252,500; Aug. 12.
Fluorescent screen. H. Wolfson. 2,252,590; Aug. 12.
Flying machine, Semidirigible. T. M. Finley. 2,252,342; Aug. 12.
Frame: *See*—
Heddle frame. Spinning frame.
Freezer and hardener, Dry ice counter. J. H. Sissel. 2,252,043; Aug. 12.
Frequency, Dividing. K. Schlesinger. 2,252,442; Aug. 12.
Fuel, Motor. P. Miller. 2,252,089; Aug. 12.
Furnace: *See*—
Industrial furnace.
Furnace. W. L. Steele. 2,252,046; Aug. 12.
Furnace construction. H. W. Beecher. 2,251,910; Aug. 12.
Game apparatus, Racing. A. B. Le May. 2,252,516; Aug. 12.
Game board. C. A. Anderson. 2,252,451; Aug. 12.
Game device, Educational. M. M. Beary. 2,252,678; Aug. 12.
Garment. R. Meinecke and A. Mitchell. 2,252,019; Aug. 12.
Garment. L. A. Siegel. 2,252,234; Aug. 12.
Garment press. W. Strobridge. 2,252,651; Aug. 12.
Gas cock. E. H. Mueller. 2,252,134; Aug. 12.
Gear: *See*—
Variable speed gear.
Gear shifting mechanism. L. A. Bixby. 2,252,158; Aug. 12.
Gear shifting mechanism. R. Lapsley. 2,252,080; Aug. 12.
Gearing, Engine starter. T. B. Martin. 2,252,328; Aug. 12.
Gearing with synchronizing clutches, Transmission. C. D. Peterson. 2,252,198; Aug. 12.
Generator: *See*—
Steam generator.
Glass and batch therefor, Fining. A. K. Lyle. 2,252,131; Aug. 12.
Glass blowing machine. J. P. Benoit, R. G. Allen, and L. H. Wideman. 2,252,391; Aug. 12.
Glass making. J. B. Whitmore and F. A. Newcombe. 2,252,589; Aug. 12.
Glass of high softening point. W. Hanlein. 2,252,466; Aug. 12.
Glass shearing mechanism. J. P. Benoit, R. G. Allen, and L. H. Wideman. 2,252,392; Aug. 12.
Grading machine, Heel. M. W. Howard. 2,251,908; Aug. 12.
Granular coated products, Manufacture of. F. J. Tone and H. C. Martin. 2,252,587; Aug. 12.
Grinder, Drill. E. C. Oliver. 2,252,303; Aug. 12.
Grinder, Dustless. R. W. Bishel. 2,252,455; Aug. 12.
Guide for elevator cars, Roller. W. Spiro. 2,251,963; Aug. 12.
Gun mount, Retractable. I. M. Laddon and W. A. Ring. 2,252,079; Aug. 12.
Hair trimmer. J. Grachan. 2,252,628; Aug. 12.
Hammer, Mechanical trip. H. E. McCrery. 2,252,017; Aug. 12.
Handle: *See*—
Fishing rod handle. Lawn mower handle.
Hanger: *See*—
Pot hanger. Tire hanger.
Hard bodies, especially of cutting, drawing, and similar tools, Production of. A. Kratky. 2,252,129; Aug. 12.
Harmonica. W. R. Steele. 2,252,236; Aug. 12.
Harness, Loom. J. J. Kaufmann. 2,252,184; Aug. 12.
Hat. W. M. Rodgers. 2,252,207; Aug. 12.
Heat exchange apparatus, Tubular. E. F. Spanner. 2,252,045; Aug. 12.
Heat exchange core. P. R. Seemiller. 2,252,211; Aug. 12.
Heat-exchange cores, Making. P. R. Seemiller. 2,252,210; Aug. 12.
Heat-exchange elements, Making. H. E. Schank and P. R. Seemiller. 2,252,209; Aug. 12.
Heat exchange unit and system. E. S. Cornell, Jr. 2,252,064; Aug. 12.
Heat exchanger. J. Fletcher. 2,252,069; Aug. 12.
Heater: *See*—
Fluid heater.
Heater circuit for radio apparatus. G. W. Blessing. 2,252,057; Aug. 12.
Heating device and burner therefor. B. B. Kahn. 2,252,182; Aug. 12.
Heddle frame. J. J. Kaufmann. 2,252,183; Aug. 12.

Heel, Replaceable. M. Mauser. 2,252,404; Aug. 12.
Hinge. S. W. Parsons. 2,252,196; Aug. 12.
Hobbyhorse, Walking. C. J. Markowski. 2,252,016; Aug. 12.
Hoist. H. R. Kuenzi. 2,252,514; Aug. 12.
Holder; *See*—
Bobbin holder. Lamp holder.
Die holder. Milk bottle holder.
Dispenser carton holder. Rotatable tool holder.
Ice cream can holder. Spool holder.
Holding machine, Rotary work. G. A. Carlson. 2,252,594; Aug. 12.
Holding stand, Article. F. J. Clack. 2,252,619; Aug. 12.
Hook; *See*—
Rope tie hook.
Hookup bar, Nonsnag footer. F. Taft, Jr. 2,252,048; Aug. 12.
Hydraulic coupling. I. C. Popper. 2,252,642; Aug. 12.
Hydraulic device for stabilizing and steering purposes. W. Kulikoff. 2,252,660; Aug. 12.
Hydraulic pulling and pressing tool. J. E. Rummer. 2,252,036; Aug. 12.
Hydraulic transmission. O. A. Banner. 2,251,972; Aug. 12.
Hydrocarbon composition and stabilizing agent therefor, Stabilized. C. F. Prutton, A. K. Smith, and D. R. Frey. 2,252,675; Aug. 12.
Hydrocarbon composition, Stabilized. C. F. Prutton, A. K. Smith, and D. R. Frey. 2,251,953; Aug. 12.
Hydrocarbon liquids, Vaporizing. S. P. Jones. 2,252,261; Aug. 12.
Hydrocarbons, Distillation of. W. Mendius. 2,252,020; Aug. 12.
Hydroxylate and making it, Alkyl substituted aryl metal. O. M. Reiff. 2,252,663; Aug. 12.
Ice cream can holder. H. N. Otto. 2,252,272; Aug. 12.
Ice-cutting apparatus. O. Schwimmer. 2,252,334; Aug. 12.
Ignition system. H. L. Hartzell. 2,252,506; Aug. 12.
Illuminating attachment for lubricating guns. E. G. Lofgren. 2,252,267; Aug. 12.
Implement, Agricultural. C. W. Mott. 2,252,349; Aug. 12.
Incinerator. G. R. Lewers. 2,252,326; Aug. 12.
Incubator, Small animal. W. E. Marks. 2,252,191; Aug. 12.
Indicating apparatus, Efficiency. W. E. Germer. 2,252,369; Aug. 12.
Indicating counter for firearms. E. Nöthe. 2,252,330; Aug. 12.
Indicating mechanism. A. W. Plensler. 2,252,295; Aug. 12.
Indicating mechanism for clocks. O. G. Williams. 2,252,151; Aug. 12.
Indicator. W. H. Gulesian. 2,252,074; Aug. 12.
Indicator for internal combustion engines. G. W. Brown. 2,251,976; Aug. 12.
Industrial furnace. A. F. Holden. 2,252,319; Aug. 12.
Ingots, Forming self-fluxing. M. E. Greenhow and R. N. Jacobson. 2,252,371; Aug. 12.
Insole. C. H. Daniels. 2,252,595; Aug. 12.
Instrument for indicating and recording the weight and viscosity of slush used in rotary drilling of wells. J. A. Lupfer. 2,252,014; Aug. 12.
Insulating bat. W. M. Bergin and A. L. Simison. 2,252,157; Aug. 12.
Insulation of buildings. H. D. Powell. 2,252,578; Aug. 12.
Intercommunicating circuit. R. C. Bradford and G. C. Clark. 2,252,549; Aug. 12.
Interference responsive circuit. G. Dallos. 2,252,066; Aug. 12.
Internal combustion engine. L. P. Anthony. 2,252,153; Aug. 12.
Internal combustion motor. V. J. Keller. 2,252,512; Aug. 12.
Internal combustion engine, High speed. G. Boulet. 2,252,480; Aug. 12.
Internal combustion engine, Two-stroke. K. E. Kylen. 2,252,186; Aug. 12.
Internal combustion engines, Purging the internal parts of. A. F. Curran. 2,251,988; Aug. 12.
Ionic discharge tube. M. J. Druyvesteyn. 2,251,923; Aug. 12.
Iron; *See*—
Soldering iron.
Ironing board. M. Moes. 2,252,113; Aug. 12.
Ironing machine structure. J. A. Castricone. 2,252,165; Aug. 12.
Irrigating apparatus. R. S. Kennison. 2,252,569; Aug. 12.
Jack; *See*—
Self-clamping jack.
Joint; *See*—
Universal ankle joint.
Knife for bag machines, Rotary flp. W. Bochow. 2,251,975; Aug. 12.
Knitting apparatus. R. Grant. 2,252,596; Aug. 12.
Knitting machine. J. Lawson. 2,252,637; Aug. 12.
Knitting machine, Split-foot. I. H. C. Green and E. St. Pierre. 2,252,564; Aug. 12.
Lamp; *See*—
Flash lamp. Portable lamp.
Lamp. C. E. Meyerhoefer. 2,252,088; Aug. 12.
Lamp coated with a light polarizing material, Incandescent electric. E. H. Land. 2,252,324; Aug. 12.
Lamp holder. F. D. Bryant and W. R. Young. 2,252,340; Aug. 12.
Latch; *See*—
Refrigerator door latch. Refrigerator latch.
Latching means. M. L. Thomas. 2,252,653; Aug. 12.
Lawn mower handle. R. S. Kersey. 2,252,126; Aug. 12.
Lenses in illuminated signs, etc., Mounting. B. Hahn. 2,252,504; Aug. 12.
Lift, Vehicle. C. D. Clawson and T. H. Branch. 2,252,166; Aug. 12.
Lighter, Cigarette. L. Zaken. 2,252,676; Aug. 12.
Lighting system, Highway. E. Morris and A. E. Jones. 2,252,022; Aug. 12.
Line-up and registering table for printers. J. West and W. M. Davis. 2,252,535; Aug. 12.
Liquid control valve. R. W. De Lancey. 2,252,459; Aug. 12.
Liquid dispenser. L. Beeh. 2,252,543; Aug. 12.
Liquid pump. C. W. H. D. Bennet and A. J. E. Rylander. 2,252,244; Aug. 12.
Lock; *See*—
Bolt and nut lock. Door lock.
Locking device for grain dump piston columns. A. P. Winter. 2,252,312; Aug. 12.
Loom; *See*—
Weaving loom.
Lubricant. J. G. McNab and W. T. Watkins, Jr. 2,252,087; Aug. 12.
Lubrication. C. F. Prutton. 2,252,674; Aug. 12.
Luminescent coating. C. J. Calbick and J. C. Cook. 2,252,552; Aug. 12.
Machine for and process of forming structural members. C. M. Yoder. 2,251,967; Aug. 12.
Machine for automatically applying slip covers to containers. J. F. Price. 2,252,201; Aug. 12.
Machine tor grinding cylindrical surfaces. W. H. Harris, Jr. 2,252,176; Aug. 12.
Machine for use in the manufacture of shoes. R. H. Lawson. 2,252,325; Aug. 12.
Machine tool. I. J. Snader. 2,251,961; Aug. 12.
Machine tool of the sensitive table type. G. Gorton. 2,252,627; Aug. 12.
Machining articles and solution therefor, Method of. G. H. Orozco. 2,252,385; Aug. 12.
Magnesium from magnesium ores, Production of very pure. U. Adamoli. 2,251,968; Aug. 12.
Magnetically operated switch. R. K. Kind. 2,252,288; Aug. 12.
Mask, Facial. J. S. Baddour. 2,252,423; Aug. 12.
Material handling system. R. A. Foresman. 2,252,501; Aug. 12.
Mattress, Triple cushion. M. Marsack. 2,252,268; Aug. 12.
Means and method of forming separable fastener stringers. L. H. Morin and D. Marinsky. 2,252,090; Aug. 12.
Measuring instrument. J. F. Walsh. 2,252,146; Aug. 12.
Measuring means, Stress. C. M. Kearns, Jr., and R. M. Guerke. 2,252,464; Aug. 12.
Mechanism for boring compressor chambers for refrigerators. F. I. Rataiczak. 2,252,203; Aug. 12.
Metal fabricating compound. A. J. Morway and J. C. Zimmer. 2,252,133; Aug. 12.
Metallic structure. F. Tench. 2,252,533; Aug. 12.
Meter; *See*—
Efficiency meter. Photographic distance meter.
Parking meter.
Method and agent for breaking water-in-oil emulsions. B. F. Armendt. 2,252,110; Aug. 12.
Method and apparatus for coating paper. A. Reilly. 2,252,204; Aug. 12.
Method and apparatus for finishing ball raceways or the like. T. C. Pew. 2,252,096; Aug. 12.
Method and apparatus for treating garbage and the like waste materials. K. Petersen. 2,252,520; Aug. 12.
Method and arrangement for the transmission of images. P. Kremer. 2,252,263; Aug. 12.
Method and a device for determining the magnitudes of magnetic fields. G. Barth. 2,252,059; Aug. 12.
Method and apparatus for treating water softeners. E. J. Culligan. 2,252,065; Aug. 12.
Method of and apparatus for continuous processing of rayon threads. W. J. Gundelfinger. 2,251,931; Aug. 12.
Method of and apparatus for the transmission of speech and other sounds. J. Poliakoff and O. B. Sneath. 2,252,641; Aug. 12.
Milk bottle holder. T. D. Jones. 2,252,260; Aug. 12.
Miniature motor. A. L. May. 2,252,600; Aug. 12.
Mixer; *See*—
Fluid mixer.
Mixing machine. M. R. Anstice and J. D. Clague. 2,251,903; Aug. 12.
Modulation system. R. S. Ohl. 2,252,293; Aug. 12.
Molding machine, Extrusion. M. F. Welda. 2,252,107; Aug. 12.
Mop, Dry. F. Preisser. 2,252,407; Aug. 12.
Motor; *See*—
Internal combustion motor. Miniature motor.
Mounting; *See*—
Antenna mounting. Spring mounting.
Reel mounting.
Mower. W. Iven. 2,252,378; Aug. 12.
Mower, Lawn. G. W. and W. C. Davis. 2,251,905; Aug. 12.
Multiple nail fastener. P. W. Valentine and K. Genin. 2,252,102; Aug. 12.

Musical instrument, Frequency stabilized electrical. N. Langer. 2,252,189; Aug. 12.
N-nitroaryl tetrahydroquinoline compounds and material colored therewith. J. B. Dickey and J. B. Normington. 2,251,922; Aug. 12.
Needle, Knitting. F. J. Morith. 2,252,302; Aug. 12.
Needle welding machine. O. J. Rainville. 2,251,957; Aug. 12.
Nitrate, Production of guanidine. W. H. Hill, R. C. Swain, and J. H. Paden. 2,252,400; Aug. 12.
Nitrogen compounds, Manufacture of aromatic. R. Rosen. 2,252,099; Aug. 12.
Noncorrosive alloy. A. H. Walde. 2,252,104; Aug. 12.
Nozzle, Ladle pouring. R. Karr. 2,252,635; Aug. 12.
Oil burner. G. F. Crosiar. 2,252,556; Aug. 12.
Oil temperature regulator. H. P. Fesenmaier. 2,252,254; Aug. 12.
Oils, Preparation of synthetic drying. H. S. Rothrock. 2,252,333; Aug. 12.
Oils, Production of heating. G. A. Lloyd, Jr., and E. C. Hermann. 2,252,082; Aug. 12.
Oils with cellulose ethers, Bodying drying. J. L. Sherk and N. R. Peterson. 2,252,527; Aug. 12.
Opener, Runner. F. E. Hand. 2,252,372; Aug. 12.
Ophthalmic bridge, Adjustable. L. J. Page. 2,252,093; Aug. 12.
Optical system. J. Bergmans and C. A. Lamberts. 2,252,246; Aug. 12.
Orthoptic instrument. A. J. Radin. 2,252,408; Aug. 12.
Oscillator, Ultra high frequency. H. E. Goldstine. 2,252,370; Aug. 12.
Oven. V. K. Schlacter. 2,252,139; Aug. 12.
Package. S. R. Howard. 2,252,462; Aug. 12.
Package, Food. A. G. MacIntyre. 2,252,298; Aug. 12.
Package opener, Cigarette. H. N. Dreis. 2,252,559; Aug. 12.
Package, package opener, and stamp canceler. L. V. Bell. 2,252,611; Aug. 12.
Packaged goods dispenser. M. D. Webber. 2,252,654; Aug. 12.
Packaging method. H. F. Waters. 2,252,106; Aug. 12.
Packing device. S. P. Tschappat. 2,252,240; Aug. 12.
Paper feed. C. H. Petskeyes and I. C. Gellman. 2,252,028; Aug. 12.
Parasiticidal composition. J. N. Borglin. 2,252,548; Aug. 12.
Parking meter. G. M. Ferguson. 2,252,253; Aug. 12.
Parking meter. D. C. Rockola. 2,252,035; Aug. 12.
Pasting and stacking machine, Grid. E. W. Beekman and C. W. Jones. 2,252,478; Aug. 12.
Pattern, Adjustable. H. B. Donning. 2,252,068; Aug. 12.
Patterns, Producing moiré. H. Gross. 2,252,123; Aug. 12.
Pedal control and spacer for power and brake systems or the like. M. Leupold. 2,252,013; Aug. 12.
Pen construction. A. W. Mager. 2,252,348; Aug. 12.
Pencil. A. R. Jackley. 2,252,463; Aug. 12.
Perforating device. L. C. Miller. 2,252,270; Aug. 12.
Phase corrector for multiplex telegraph systems. G. R. Clark. 2,252,364; Aug. 12.
Phosphates, Decomposing water-insoluble. O. Balz and H. Hamacher. 2,252,281; Aug. 12
Phosphates, Decomposition of water-insoluble. O. Balz, H. Hamacher, and W. Wagner. 2,252,280; Aug. 12.
Photographic distance meter. L. Leitz. 2,252,574; Aug. 12.
Photography and color photograph, Color. H. Verkinderen. 2,251,965; Aug. 12.
Phytolipases poor in toxic albumins, Producing. E. Waldschmidt and O. Neumann. 2,252,403; Aug. 12.
Picker construction. B. Hyman. 2,252,377; Aug. 12.
Picture transmitter tube. L. E. Flory and G. A. Morton. 2,251,992; Aug. 12.
Pipe extension, Automobile exhaust. L. A. Koch, Jr. 2,252,228; Aug. 12.
Piston ring. H. P. Phillips. 2,252,199; Aug. 12.
Planter, Lister. J. L. Hipple. 2,252,374; Aug. 12.
Plasticizing composition. Cheese. H. H. Doering. 2,252,170; Aug. 12.
Pliers, Stapling. S. A. Crosby. 2,251,915; Aug. 12.
Pliers, Stapling. S. A. Crosby. 2,251,917; Aug. 12.
Plug; *See*—
Safety grip electric plug. Spark plug.
Plug and making, Spark. R. J. L. Dutterer. 2,252,496; Aug. 12.
Plug receptacle. G. B. Benander. 2,252,454; Aug. 12.
Polymeric material. W. H. Carothers. 2,252,554-5; Aug. 12.
Polymeric materials. E. P. Czerwin. 2,252,557; Aug. 12.
Portable lamp. W. F. Little. 2,252,434; Aug. 12.
Pot hanger, Painter's. C. T. Miller. 2,252 639; Aug. 12.
Power take-off unit, Pivoted. F. H. Behl. 2,252,610; Aug. 12.
Power tester. C. C. Bennett. 2,251,911; Aug. 12.
Power transmitting units, Producing. W. Paulus. 2,252,351; Aug. 12.
Predetermining counter for fluid meters. W. F. Berck. 2,251,974; Aug. 12.
Press; *See*—
Garment press.
Press. C. M. Bagshaw. 2,251,971; Aug. 12.
Pressing machine, Garment. W. Strobridge. 2,252,650; Aug. 12.
Pressure control valve. E. W. Work. 2,252,152; Aug. 12.
Pressure indicator for tires. G. P. Lindholm. 2,252,680; Aug. 12.
Price tag. A. K. Marsh. 2,252,384; Aug. 12.
Printer-projection system. D. F. Newman. 2,252,577; Aug. 12.
Printing and dispensing machine, Tape. C. D. Coats. 2,251,985; Aug. 12.
Printing plate locking. D. W. Coy. 2,252,167; Aug. 12.
Process and apparatus for providing internal combustion engines with explosive charges. A. Schwarz. 2,252,415; Aug. 12.
Product and process for plugging formations. C. H. Mathis. 2,252,271; Aug. 12.
Projecting film and related method. G. C. Jones. 2,252,632; Aug. 12.
Projection assembly, Rotatable. K. Koehl. 2,252,513; Aug. 12.
Projector for stereoscopic images. T. R. Luzzati. 2,252,467; Aug. 12.
Protector; *See*—
Bulb protector.
Pump; *See*—
Air pump. Well pump.
Liquid pump.
Pump. M. H. Smith. 2,252,143; Aug. 12.
Purification of unsaturated compounds. C. W. Jordan. 2,251,938; Aug. 12.
Purse, Coin. N. H. Swanson. 2,252,586; Aug. 12.
Push-button tuning with band-width control. W. Röhr. 2,252,098; Aug. 12.
Pyrolysates of halo-hydrocarbons, Purifying. R. M. Wiley. 2,252,536; Aug. 12.
Pyrometry, Optical. R. C. Machler. 2,252,015; Aug. 12.
Rack; *See*—
Ribbon rack.
Radio antenna for automobiles. J. H. Cohen. 2,252,395; Aug. 12.
Radio direction finder. C. S. Cockerell. 2,252,063; Aug. 12.
Radio receiver with band-spreading, Short-wave. T. A. Spoor. 2,252,100; Aug. 12.
Radio system, Directional. J. Goldmann. 2,251,997; Aug. 12.
Radio tuning means. W. E. Newman. 2,252,092; Aug. 12.
Rail fastening, Two-way. R. P. Clarkson. 2,252,116; Aug. 12.
Rake, Lawn. E. K. Brown. 2,252,114; Aug. 12.
Reboring machine. E. A. Fuglie. 2,252,121; Aug. 12.
Receiver, Television carrier signal. H. A. Wheeler. 2,252,148; Aug. 12.
Receptacle; *See*—
Evacuant receptacle. Plug receptacle.
Record and making the same, Vibration. J. H. de Boer and C. J. Dippel. 2,251,919; Aug. 12.
Rectifier and converter, Mechanical current. W. Petersen and H. Gumprecht. 2,252,438; Aug. 12.
Reel mounting. R. C. Pierce. 2,252,353; Aug. 12.
Reflector for vehicles, Rotary. R. Amundson, Jr. 2,252,056; Aug. 12.
Refrigerating apparatus. J. L. Gibson. 2,252,173; Aug. 12.
Refrigerating apparatus. H. F. Smith. 2,251,960; Aug. 12.
Refrigeration. E. F. Hubacker. 2,252,567; Aug. 12.
Refrigeration system. W. L. McGrath. 2,252,300; Aug. 12.
Refrigerator car. C. E. Crede. 2,252,226; Aug. 12.
Refrigerator car, Top bunker. C. D. Bonsall. 2,252,225; Aug. 12.
Refrigerator door latch. R. S. Taylor and C. Decker. 2,252,144; Aug. 12.
Refrigerator latch. L. L. Anderson. 2,252,591; Aug. 12.
Regulating apparatus and method. W. E. Germer. 2,252,368; Aug. 12.
Regulating apparatus for dynamoelectric machines. F. G. Logan. 2,252,296; Aug. 12.
Regulator; *See*—
Oil temperature regulator.
Reinforcing means for lamp shades. E. Schwarz. 2,252,582; Aug. 12.
Relay apparatus. W. D. Cockrell. 2,252,457; Aug. 12.
Relay system, Signal responsive. J. S. Leigh. 2,252,084; Aug. 12.
Relay, Thermal. A. G. Stimson. 2,252,444; Aug. 12.
Release valve mechanism. C. K. Shelley. 2,252,418; Aug. 12.
Rendering textiles water repellent. E. Schirm. 2,252,039; Aug. 12.
Resilient car wheel. D. P. Steward. 2,252,335; Aug. 12.
Resonant circuits, Testing. D. S. Bond. 2,252,058; Aug. 12.
Reversing mechanism. H. Sinclair. 2,252,042; Aug. 12.
Ribbon rack. L. Johnson. 2,252,075; Aug. 12.
Ring; *See*—
Piston ring.
Ring and plunger, Mold. L. Poglein. 2,252,292; Aug. 12.
Ring pull, Window shade. W. Wade. 2,252,359; Aug. 12
Rivet, Aluminum alloy. H. Bothmann and W. Mannchen. 2,252,361; Aug. 12.

Rod: *See*—
Switch rod.
Roller for skates and the like, Antifriction. F. G. and V. A. Mazveskas. 2,252,132; Aug. 12.
Rolling head, Thread. M. W. Lamprecht and H. N. Anderson. 2,252,130; Aug. 12.
Rope tie hook. S. Zoppelt. 2,252,243; Aug. 12.
Rotary machine. G. E. Campbell. 2,252,618; Aug. 12.
Rotary tenter drier. J. D. Hunter and F. B. Morrill. 2,252,181; Aug. 12.
Rotary tooth cleaner. F. B. Cooper. 2,252,251; Aug. 12.
Rotatable tool holder. H. R. Young and R. P. Stocking. 2,252,655; Aug. 12.
Rowlock for rowing and sculling boats. L. H. Cross. 2,252,252; Aug. 12.
Rubber compounding and vulcanization and resulting vulcanizates. J. H. Gravell. 2,252,318; Aug. 12.
Rubber thread, Method of and machine for making. G. Vincke. 2,252,389; Aug. 12.
Safety attachment for punch presses. C. C. Goldbeck. 2,252,626; Aug. 12.
Safety grip electric plug. J. Campbell. 2,252,553; Aug. 12.
Safety valve. C. A. Campbell. 2,251,979; Aug. 12.
Salts and making them, Alkyl substituted metal aryl hydroxylate-metal carboxylate. O. M. Reiff, J. J. Glammaria, and H. E. Redman. 2,252,664; Aug. 12.
Salts of alkyl substituted aryl ether acids and making them, Metal. O. M. Reiff and F. P. Otto. 2,252,665; Aug. 12.
Salts of alkyl substituted hydroxy aromatic carboxylic acids, Metal. O. M. Reiff. 2,252,662; Aug. 12.
Sampling device, Fluid. J. J. Tokheim. 2,252,239; Aug. 12.
Sanding block. J. F. McAdams. 2,252,190; Aug. 12.
Sanding machine. P. T. Blood. 2,252,160; Aug. 12.
Sandless bender. H. G. Cloyd. 2,252,491; Aug. 12.
Scale and ruler. C. M. Ware. 2,252,311; Aug. 12.
Scale system, Oscillograph. R. F. Cleaver, I. R. J. James, and C. F. A. Wagstaffe. 2,251,984; Aug. 12.
Scarfing machine. W. C. Bailey. 2,252,112; Aug. 12.
Screen: *See*—
Fluorescent screen. Vibrating screen.
Scuff. S. Dorée. 2,252,315; Aug. 12.
Sealing machine, Thermal. H. F. Waters. 2,252,105; Aug. 12.
Sealing nonresealable glass containers. H. R. Stewart. 2,252,217; Aug. 12.
Seat: *See*—
Barber chair auxiliary seat.
Seesaw. P. A. Joneas. 2,252,008; Aug. 12.
Selector. E. C. Saint-Jacques. 2,252,581; Aug. 12.
Selector mechanism, Telegraph. P. A. Noxon, S. W. Rothermel, F. J. Maus, and E. J. Sortore. 2,252,232; Aug. 12.
Self-clamping jack. G. L. du Rostu. 2,252,494; Aug. 12.
Self-inker. H. Smallman. 2,252,649; Aug. 12.
Separable fastener. J. and J. Pilschner. 2,252,305; Aug. 12.
Sewing machine. C. Seaman. 2,252,356; Aug. 12.
Sextant and similar instruments for angular measurement. P. F. Everitt. 2,252,341; Aug. 12.
Sharp-edge deflection. K. Schlesinger. 2,252,441; Aug. 12.
Shearing head for dry shavers. J. Ornsond. 2,252,294; Aug. 12.
Sheet material, Coating. S. J. Johnson. 2,252,345; Aug. 12.
Sheet, Moistureproof. P. Müller and O. Herrmann. 2,252,091; Aug. 12.
Shelf attachment for ladders. C. Olson. 2,252,025; Aug. 12.
Shifting device, Conveyer head. F. Fulton. 2,252,255; Aug. 12.
Shocker, Grain. A. P. Lofstrand. 2,252,346; Aug. 12.
Shoe. A. C. Sewall. 2,252,417; Aug. 12.
Shoe cabinet. H. Derman. 2,252,067; Aug. 12.
Shoe, Swimming. J. Zimmer. 2,252,450; Aug. 12.
Shoe, Wooden sole. A. Sterzik. 2,252,216; Aug. 12.
Showcase. A. R. Stafford. 2,252,238; Aug. 12.
Sign. H. D. Hanson. 2,252,124; Aug. 12.
Signal: *See*—
Vehicular signal.
Signal for vehicles, Driving. E. H. Baker. 2,252,339; Aug. 12.
Signal storing device. L. Casper. 2,252,060; Aug. 12.
Signal switch. A. A. Bluemle. 2,252,489; Aug. 12.
Signal switch, Vehicle direction. N. D. Benson. 2,252,245; Aug. 12.
Signal system, Supervisory. F. H. Hanley, F. J. Carter, O. H. Davidsmeyer, and O. M. Lamberson. 2,252,629; Aug. 12.
Signaling float. J. Tosi. 2,252,358; Aug. 12.
Signature gathering machine. P. E. Kleineberg. 2,251,943; Aug. 12.
Singing in telephone repeaters, Preventing. R. S. Hawkins. 2,252,679; Aug. 12.
Slide for sport, amusement, and artistic purposes. H. Ermel. 2,251,927; Aug. 12.
Slide structure, Seat. W. F. Thoma. 2,252,218; Aug. 12.
Sliver drawing mechanism. E. E. Blake. 2,252,546; Aug. 12.
Soap, Germicidal. W. H. Hartung. 2,251,934–5; Aug. 12.
Soil-conserving damming attachment for cultivators. R. W. Bruene. 2,252,593; Aug. 12.
Solder. A. H. Riesmeyer. 2,252,409–14; Aug. 12.
Soldering iron. G. R. Young. 2,252,538; Aug. 12.
Solid material from liquid material, Separation of. W. Lindsay. 2,251,909; Aug. 12.
Sound attenuator for air impellers. E. H. Harris. 2,252,256; Aug. 12.
Sound emitting apparatus. H. I. Lovett, M. V. Horn, and E. H. Roy. 2,252,327; Aug. 12.
Spark plug. E. J. Kohout and K. L. Ingersoll. 2,252,636; Aug. 12.
Speed controlling device. L. Robin and M. van Roggen. 2,252,644; Aug. 12.
Speed gear, Infinitely variable. O. Heer. 2,252,630; Aug. 12.
Spinning frame. R. D. Tarr. 2,252,531; Aug. 12.
Splash guard for motor vehicles. G. H. Wilson. 2,252,537; Aug. 12.
Splint, Extension. P. M. Baker. 2,252,607; Aug. 12.
Splint, Traction. G. W. Hayden. 2,252,258; Aug. 12.
Splitting machine. F. Kennison and H. L. Bell. 2,251,941; Aug. 12.
Spool holder. H. P. Ray. 2,252,439; Aug. 12.
Spoon, Infant's or invalid's feeding. H. N. Edmonds. 2,252,119; Aug. 12.
Spout and cap. C. McQuinn. 2,252,468; Aug. 12.
Spout, Pouring. J. A. Byrone. 2,252,250; Aug. 12.
Sprag. C. F. Rauen. 2,251,956; Aug. 12.
Spray device. O. R. Plummer. 2,252,200; Aug. 12.
Spring mounting. A. V. Card. 2,251,980; Aug. 12.
Stabilizer and recam, Piston. D. J. Wherry. 2,252,149; Aug. 12.
Stamping machine, Letter. E. V. Nyberg. 2,252,469; Aug. 12.
Stand: *See*—
Holding stand.
Steam generator. C. H. Gay. 2,252,071; Aug. 12.
Steam generator, Electric. E. E. Arnold. 2,252,541; Aug. 12.
Stearates and palmitates, Preparation of. M. H. Bigelow. 2,252,658; Aug. 12.
Steering linkage. P. Heftler. 2,251,936; Aug. 12.
Steering wheel. H. P. M. Quillery. 2,252,524; Aug. 12.
Stem making machine. E. Niles. 2,252,195; Aug. 12.
Stoker, Locomotive. H. A. Hoke. 2,252,509; Aug. 12.
Storage and display device, Food. E. M. Stiles. 2,252,237; Aug. 12.
Strainer, Milk. L. F. Rasha. 2,252,643; Aug. 12.
Strap and cinch girth, Combination flank. W. E. Harvey. 2,252,257; Aug. 12.
Strap, Baby. W. A. Shaw. 2,253,357; Aug. 12.
String for musical instruments. W. J. Pavek. 2,252,095; Aug. 12.
Sublimating apparatus. H. J. M. van Embden. 2,252,052; Aug. 12.
Sulphonic derivatives. M. Katzman. 2,251,940; Aug. 12.
Sulphonium compounds, Preparation of. E. Lieber. 2,252,081; Aug. 12.
Sulphur dioxide and Portland cement from calcium sulphate and the usual additions containing aluminum silicate. H. Zirngibl and H. Zur Strassen. 2,252,279; Aug. 12.
Support for engine valve mechanism, Lubricating rocker arm. C. T. Doman. 2,252,171; Aug. 12.
Supporting and hoisting device. C. E. Gullberg. 2,252,001; Aug. 12.
Supporting device, Movable. J. C. Trotter. 2,252,534; Aug. 12.
Supporting means, Cabinet shelf. H. G. Knuth. 2,252,570; Aug. 12.
Supporting structure for porcelain enameled pans. A. E. Fellner. 2,251,991; Aug. 12.
Surface covering material. W. W. Durant. 2,252,399; Aug. 12.
Surface covering material manufacture. W. W. Durant. 2,252,396; Aug. 12.
Surface covering materials, Manufacture of. R. O. Roblin, Jr. 2,252,386; Aug. 12.
Surface processing device. L. Helfgott. 2,252,287; Aug. 12.
Surfacing machine, Plastic concrete. B. F. Krehbiel. 2,252,188; Aug. 12.
Surgical tool for cutting plaster casts. E. E. Longfellow. 2,252,575; Aug. 12.
Swing, Baby. A. D. Welsh. 2,252,224; Aug. 12.
Swing bracket for twister and winder spindles. O. W. Schaum. 2,252,037; Aug. 12.
Switch: *See*—
Magnetically operated Signal switch.
switch.
Switch rod, Adjustable. G. R. Burkhardt and C. W. Breed. 2,252,617; Aug. 12.
Switching device. H. C. Harrison. 2,251,933; Aug. 12.
Synchronizer. W. Benz. 2,252,545; Aug. 12.
Synchronizing means for ironing or like roller machines. J. E. Pointon. 2,252,471; Aug. 12.
Synchronizing system, Television. H. A. Wheeler. 2,251,966; Aug. 12.
Tab mechanism, Control surface. E. R. Child. 2,252,284; Aug. 12.
Tabbing, glueing, and folding machine. M. H. Sidebotham. 2,252,388; Aug. 12.
Table and the like, Invalid or overbed. F. R. Stearns. 2,252,215; Aug. 12.

Telegraph repeater, Start-stop regenerative. F. H. Fox. 2,252,622; Aug. 12.
Telegraph signal regenerator. A. Kahn. 2,252,380; Aug. 12.
Telephone and other electric wave transmission systems. R. J. Halsey. 2,252,002; Aug. 12.
Telephone system. J. H. Voss. 2,252,309; Aug. 12.
Telephony. T. S. Skillman, J. W. Baurdoux, and M. van de Beek. 2,251,958; Aug. 12.
Television control system. R. L. Freeman and H. L. Blaisdell. 2,251,929; Aug. 12.
Television receiver synchronizing system. H. M. Lewis. 2,252,599; Aug. 12.
Temperature compensation for pressure actuated indicators. C. A. Rafferty. 2,251,954; Aug. 12.
Temperature compensator for pressure actuated indicators. C. A. Rafferty. 2,251,955; Aug. 12.
Tension control, Automatic. P. H. Slaughter. 2,252,419; Aug. 12.
Tent, Hatch. M. L. McHugh. 2,252,018; Aug. 12.
Textiles, Printing. N. S. Cassel. 2,251,914; Aug. 14.
Thermometer, Refrigeration. H. Schmidt. 2,252,387; Aug. 12.
Thermometer support for automobiles. A. W. Rosen. 2,252,579; Aug. 12.
Thioethers, Production of. J. T. Rutherford. 2,252,138; Aug. 12.
Thixotrometer and viscosimeter, Combined. G. L. Lang. 2,252,572; Aug. 12.
Thread and preparing same, Artificial. A. Sommaripa. 2,251,962; Aug. 12.
Time recorder and key holder. W. F. Bevill. 2,252,487; Aug. 12.
Tire building machine. W. J. Breth, M. Engler, and H. T. Kraft. 2,251,904; Aug. 12.
Tire chain, Emergency. J. N. Kirton. 2,252,429; Aug. 12.
Tire hanger. J. W. Murphy. 2,252,602; Aug. 12.
Tire tool. R. S. Worthington. 2,252,108; Aug. 12.
Toaster. P. S. Edmunds and N. M. Becker. 2,251,925; Aug. 12.
Tool: *See*—
Cutting tool. Machine tool.
Drum opening tool. Tire tool.
Hydraulic pulling and pressing tool. Wire strapping tool.
Torch construction, Multijet. H. G. Hughey. 2,252,320; Aug. 12.
Torque controlled mechanism. A. Schwarz. 2,252,416; Aug. 12.
Towel and washcloth bar. K. Brown. 2,252,249; Aug. 12.
Toy. R. H. Konikoff. 2,252,290; Aug. 12.
Toy cannon, Recoiling. J. C. Sherrick. 2,252,308; Aug. 12.
Traffic appliance. H. W. Dodson. 2,252,558; Aug. 12.
Traffic control, Radio. D. G. C. Luck. 2,252,083; Aug. 12.
Transmission control. H. W. Price. 2,251,952; Aug. 12.
Transmission control mechanism. H. W. and E. R. Price. 2,252,273; Aug. 12.
Transmission mechanism, Variable ratio. P. Renfrew 2,252,034; Aug. 12.
Transmission system, Electric. J. P. Watson. 2,252,053; Aug. 12.
Transmission system, Signal. F. J. Bingley. 2,252,613; Aug. 12.
Transmitting device, Frictional torque. H. T. Kraft. 2,252,128; Aug. 12.
Transmitting device, Sealed motion. O. T. Pieper. 2,252,029; Aug. 12.
Trap for fur-bearing animals. I. G. Leonard. 2,252,229; Aug. 12.
Truck, Cantilever type. E. H. Piron. 2,251,950; Aug. 12.
Truck for Diesel locomotives. H. H. Lanning. 2,252,382; Aug. 12.
Tube: *See*—
Electron tube. Picture transmitter tube.
Ionic discharge tube.
Tube connecting device and method. D. B. Rossheim and A. R. C. Markl. 2,252,274; Aug. 12.
Tube making machine, Collapsible. G. W. Temple. 2,252,532; Aug. 12.
Turbine arrangement, Elastic fluid. A. H. Buchman. 2,252,456; Aug. 12.
Twisting and laying machine, Rope. A. Kraft. 2,252,465; Aug. 12.
Type seal, Outside. F. Shenton. 2,252,526; Aug. 12.
Typewriter. J. L. Sweeney and H. Bates. 2,252,652; Aug. 12.
Typewriting machine. W. F. Helmond. 2,252,004; Aug. 12.
Universal ankle joint. M. E. Rice. 2,252,206; Aug. 12.
Unloading system, Material. F. De Young. 2,251,990; Aug. 12.
Urinal. S. J. McLeod. 2,252,672; Aug. 12.
Vacuum breaker. J. J. Cantor. 2,252,164; Aug. 12.
Vacuum tube for high frequencies. G. E. Pray and S. Riccobono. 2,251,951; Aug. 12.
Valve: *See*—
Liquid control valve. Safety valve.
Pressure control valve. Vent valve.
Valve. H. Y. Seidel and J. J. Dusco. 2,252,141; Aug. 12.
Valve construction. P. G. Kluse and R. C. Camomile. 2,252,185; Aug. 12.
Valve control system. F. Hauser. 2,252,125; Aug. 12.
Valve for storage tanks, Hatch controlled. P. B. Drane. 2,251,924; Aug 12.
Vapor, Condensation of magnesium. J. D. Hanawalt. 2,251,906; Aug. 12.
Vaporizer for automotive mechanisms. J. Greco. 2,251,999; Aug. 12.
Varnish and making it, Cellulose ether. N. R. Peterson and J. L. Sherk. 2,252,521; Aug. 12.
Varnishes, Making cellulose ether. N. R. Peterson and J. L. Sherk. 2,252,522; Aug. 12.
Vehicle: *See*—
Dump vehicle.
Vehicle body. C. W. Avery, C. H. Widman, and N. C. Clark. 2,251,970; Aug. 12.
Vehicle wheel. W. J. Cox. 2,252,481; Aug. 12.
Vehicular signal. I. W. Simpkins and E. R. Nelson. 2,252,529; Aug. 12.
Vending machine, Popcorn. E. Tveter. 2,252,101; Aug. 12.
Vending machine, Selective gum. W. P. Gallagher and E. H. Thompson. 2,251,994; Aug. 12.
Veneering press and the like. A. Fischer-Schmutz. 2,252,040; Aug. 12.
Vent valve. W. N. Glab. 2,252,174; Aug. 12.
Ventilating apparatus. F. J. Kurth. 2,252,264; Aug. 12.
Ventilator. H. C. Hueglin. 2,252,179; Aug. 12.
Venting device for water closet valve mechanisms. G. W. Kohlmeyer. 2,252,078; Aug. 12.
Vessel for holding ferromagnetic suspensions, Testing. F. Unger and R. S. Hilpert. 2,252,475; Aug. 12.
Vibrating screen. G. A., G., and C. Overstrom. 2,252,304; Aug. 12.
View structure for vehicles, Clear. A. S. Borba. 2,252,161; Aug. 12.
Vitreous composition. W. Düsing. 2,252,495; Aug. 12.
Vitreous enamel opacifier. R. J. Whitesell. 2,252,588; Aug. 12.
Waistband for garments. F. Ottusch. 2,252,519; Aug. 12.
Wall structure, Soundproof. W. Eglinton and H. G. Cunningham. 2,252,285; Aug. 12.
Wall tie, Metal. L. E. Baldwin. 2,252,155; Aug. 12.
Wallet. W. C. Heyer. 2,252,177; Aug. 12.
Watch. W. Schmitz. 2,252,647; Aug. 12.
Water mining soluble materials. R. Cross. 2,251,916; Aug. 12.
Water regulator for steam boilers, Automatic feed. C. Cortese. 2,252,492; Aug. 12.
Waxing machine. C. Y. McQuown. 2,252,269; Aug. 12.
Weaving loom. H. Pelcé. 2,252,470; Aug. 12.
Welding machine. E. Riemenschneider. 2,252,603; Aug. 12.
Well bit. T. A. Creighton. 2,252,168; Aug. 12.
Well pump. W. F. Hollister. 2,252,597; Aug. 12.
Well pumping system and apparatus. A. W. Steenbergh. 2,252,047; Aug. 12.
Wheel: *See*—
Resilient car wheel. Vehicle wheel.
Steering wheel.
Wheel. F. W. Burger. 2,252,163; Aug. 12.
Wheel. B. L. Mills. 2,252,194; Aug. 12.
Wheel vehicle train, unit, and connection. O. I. Oyler. 2,252,135; Aug. 12.
Winding bodies, Arrangement for the production of. O. Bochmann. 2,252,592; Aug. 12.
Winding device for cameras, Rapid shutter. A. Wagner. 2,252,449; Aug. 12.
Windmill. M. Plotkin. 2,252,523; Aug. 12.
Window construction, Bus or car. S. E. Blessin. 2,252,547; Aug. 12.
Window for trailers. W. A. Harris. 2,252,505; Aug. 12.
Window sash operator. C. E. Justason. 2,252,634; Aug. 12.
Windowpane fastener. W. C. Passer. 2,252,197; Aug. 12.
Windshield cleaner. E. C. Horton. 2,252,510; Aug. 12.
Windshield cleaner. E. W. Sibley. 2,252,233; Aug. 12.
Wire connector. A. L. Van Nest. 2,252,448; Aug. 12.
Wire feeder. W. T. Engel. 2,252,561; Aug. 12
Wire strapping tool. H. Embree. 2,252,560; Aug. 12.
Wire stringing carriage, Fourdrinier. E. E. Berry and L. Hornbostel. 2,251,912; Aug. 12.
Wiredrawing machine. R. C. Pierce. 2,252,352; Aug. 12.
Wool, Oil-treated mineral. W. V. Cullison. 2,252,169; Aug. 12.
Woven fabric. S. H. Scheuer. 2,252,646; Aug. 12.
Wringer and bucket unit, Mop. H. C. MacGraham. 2,252,436; Aug. 12.
X-ray timing apparatus. R. L. Sweeny and G. A. Richards. 2,252,530; Aug. 12.
Yarn, Production of hairy. F. R. Seull. 2,252,038; Aug. 12.
Yarn, Staple fiber. H. Wild. 2,252,055; Aug. 12.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 12, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 2: 2,252,202
49: 2,251,915
2,251,917
2— 93: 2,252,234
182: 2,252,207
237: 2,252,519
4— 177: 2,252,428
236: 2,252,196
5— 2: 2,252,310
38: Re.21,874
351: 2,252,268
8— 62: 2,251,914
115.5: 2,252,039
9— 21: 2,252,450
23: 2,252,343
26: 2,252,252
12— 1: 2,252,031
4: 2,252,325
17: 2,251,941
42: 2,251,908
146: 2,252,417
13— 8: 2,252,052
15— 147: 2,252,407
250: 2,252,233
2,252,510
255: 2,252,350
262: 2,252,436
48— 8: 2,251,931
2,252,389
30: 2,252,107
42: 2,252,090
55: 2,252,277
59: 2,252,504
19— 10: 2,252,502
130: 2,252,531
131: 2,252,011
133: 2,252,546
20— 1: 2,252,568
4: 2,252,278
2,252,578
7: 2,252,431
8: 2,252,430
20: 2,252,139
56.4: 2,252,197
22— 57: 2,252,220
58: 2,252,193
65: 2,252,219
85: 2,252,635
202: 2,252,371
23— 102: 2,252,280
2,252,281
126: 2,252,332
177: 2,252,279
262: 2,252,307
288: 2,252,667
24— 70: 2,252,027
115: 2,252,566
130: 2,252,243
205: 2,252,305
221: 2,252,286
25— 156: 2,252,427
26— 60: 2,252,123
27— 24: 2,252,624
26: 2,252,178
29— 14: Re.21,876
38: 2,251,948
2,252,532
81: 2,251,978
84: 2,252,437
86: 2,252,036
88.2: 2,252,299
95: 2,252,005
105: 2,252,044
148.4: 2,252,390
149.5: 2,252,351
155.5: 2,252,461
157.5: 2,252,274
30— 2: 2,252,559
8: 2,252,024
14: 2,252,406
30: 2,252,628
43: 2,252,294
91: 2,252,575
125: 2,252,119
171: 2,252,540
211: 2,252,601
279: 2,252,094
32— 19: 2,252,426
33— 12: 2,252,068
70: 2,252,341
111: 2,252,311
126.4: 2,252,239
170: 2,252,146
184.5: 2,252,535
223: 2,252,338
2,252,420
34— 122: 2,252,181
160: 2,252,585
35— 28: 2,252,678
36— 9: 2,252,315
13: 2,252,216
22: 2,252,595
36: 2,252,404
37— 96: 2,252,477
38— 4: 2,252,471
36: 2,252,650
2,252,651
61: 2,252,165
40— 25: 2,252,384
34: 2,252,347
70: 2,252,487
124.1: 2,252,571
133: 2,252,124
43— 3: 2,252,262
17: 2,252,358
23: 2,252,054
90: 2,252,229
96: 2,252,405
44— 9: 2,252,089
46— 156: 2,252,077
175: 2,252,290
47— 37: 2,252,073
60: Pl.Pt.481
61: Pl.Pt.482
Pl.Pt.483
Pl.Pt.484
Pl.Pt.485
49— 2: 2,252,195
5: 2,252,391
14: 2,252,392
72: 2,252,292
50— 23: 2,252,152
51— 3: 2,252,594
34: 2,252,176
55: 2,252,303
58: 2,252,086
95: 2,251,961
124: 2,252,287
170: 2,252,160
187: 2,252,190
241: 2,252,223
273: 2,252,455
298: 2,252,587
52— 24: 2,252,241
53— 3: 2,252,614
54— 1: 2,252,257
56— 25: 2,252,378
104: 2,252,159
119: 2,252,377
226: 2,252,180
249: 2,252,126
294: 2,251,905
364: 2,252,376
400.17: 2,252,114
419: 2,252,346
57— 58: 2,252,465
89: 2,252,037
140: 2,251,962
2,252,055
157: 2,252,038
58— 2: 2,252,151
3: 2,252,074
52: 2,252,192
88: 2,252,647
60— 1: 2,252,456
54: 2,251,972
2,252,642
97: 2,252,518
2,252,545
62— 1: 2,252,261
4: 2,252,300
2,252,567
17: 2,252,225
2,252,226
89.6: 2,252,237
102: 2,252,010
112: 2,252,334
114: 2,252,043
140: 2,251,907
2,251,960
141: 2,252,173
64— 30: 2,252,598
66— 9: 2,252,596
41: 2,252,564
117: 2,252,302
132: 2,252,637
134: 2,252,214
149: 2,252,048
67— 7.1: 2,252,676
68— 180: 2,252,659
72— 101: 2,251,910
103: 2,252,155
73— 179: 2,251,954
2,251,955
196: 2,252,367
2,252,369
374: 2,252,387
74— 7: 2,252,328
89: 2,252,251
99: 2,252,156
112: 2,252,032
189.5: 2,252,042
191: 2,252,630
325: 2,252,034
407: 2,252,373
472: 2,252,644
473: 2,252,080
2,252,158
2,252,273
512: 2,252,013
552: 2,252,524
595: 2,252,480
75— 10: 2,252,129
67: 2,251,906
2,251,968
76: 2,252,604
138: 2,252,421
142: 2,252,361
166: 2,252,104
175: 2,252,409
2,252,410
2,252,411
2,252,412
2,252,413
2,252,414
77— 3: 2,252,121
2,252,203
78— 29: 2,252,314
80— 10: 2,252,130
83— 9: 2,252,520
84— 94: 2,252,288
2,252,289
199: 2,252,095
377: 2,252,236
85— 2.4: 2,252,316
10: 2,252,102
88— 2.6: 2,252,574
16.6: 2,252,467
2,252,583
17: 2,252,563
22.5: 2,252,015
24: Re.21,872
Re.21,875
2,251,998
2,252,246
2,252,513
2,252,577
26: 2,252,632
49: 2,252,093
78: 2,252,558
81: 2,252,056
86: 2,252,161
89— 37.5: 2,252,079
2,252,227
90— 11: 2,252,276
19: 2,252,627
52: 2,252,655
91— 18: 2,252,204
33: 2,252,345
39: 2,252,269
43: 2,252,542
67.4: 2,252,543
68: 2,252,091
70.2: 2,252,443
93— 2: 2,252,028
3: 2,252,106
6: 2,252,435
8: 2,252,105
19: 2,251,975
36: 2,252,388
39.1: 2,252,360
61: 2,251,930
94— 45: 2,252,188
95— 2: 2,251,965
10: 2,252,573
42: 2,252,640
57: 2,252,449
73: 2,252,562
75: 2,252,006
90: 2,252,259
97— 50: 2,252,349
55: 2,252,383
2,252,593
98— 40: 2,252,264
116: 2,252,179
99— 117: 2,252,170
100— 25: 2,252,354
101— 28: 2,252,484
333: 2,252,649
385: 2,252,167
102— 29: 2,251,918
103— 5: 2,252,047
149: 2,252,244
156: 2,252,597
165: 2,252,050
105— 182: 2,251,950
196: 2,252,382
224: 2,251,960
272: 2,251,993
274: 2,251,981
369: 2,252,283
106— 48: 2,252,588
52: 2,252,131
2,252,466
2,252,495
59: 2,252,317
171: 2,252,527
172: 2,252,521
2,252,522
243: 2,252,169
264: 2,252,386
2,252,394
106— 264: 2,252,396
2,252,397
2,252,398
2,252,399
107— 27: 2,252,248
110— 12: 2,252,326
105.6: 2,252,509
111— 51: 2,252,374
86: 2,252,372
112— 20: 2,252,266
207: 2,252,356
113— 99: 2,252,511
116: 2,252,000
118: 2,252,209
2,252,210
116— 33: 2,252,497
39: 2,252,529
124.1: 2,252,295
119— 15: 2,252,191
17: 2,252,348
73: 2,252,623
120— 38: 2,252,463
121— 40: 2,252,312
41: 2,251,952
122— 6: 2,252,605
2,252,606
169: 2,252,140
230: 2,252,041
235: 2,252,061
365: 2,252,069
451.1: 2,252,492
478: 2,252,071
123— 59: 2,252,512
65: 2,252,186
73: 2,252,187
78: 2,252,153
119: 2,252,120
127: 2,252,415
2,252,416
141: 2,251,999
169: 2,252,496
2,252,636
195: 2,252,600
198: 2,251,988
124— 29: 2,252,308
125— 33: 2,252,017
126— 94: 2,252,046
106: 2,252,631
128— 76.5: 2,252,408
85: 2,252,258
2,252,607
127: 2,252,212
191: 2,251,986
227: 2,252,569
275: 2,252,563
291: 2,252,019
295: 2,252,672
129— 16: 2,252,615
17: 2,252,422
131— 58: 2,252,231
232: 2,252,175
132— 78.5: 2,252,551
135— 6: 2,252,018
136— 19: 2,251,913
162: 2,252,026
171: 2,251,928
2,252,633
137— 53: 2,251,979
2,252,174
68: 2,252,459
69: 2,252,078
2,252,164
138— 25: 2,252,228
38: 2,252,045
139— 13: 2,252,470
91: 2,252,184
92: 2,252,183
333: 2,252,344
139— 397: 2,252,433
426: 2,252,646
140— 62: 2,252,490
81: 2,252,560
93: 2,252,560
132: 2,252,561
144— 117: 2,252,112
280: 2,252,432
281: 2,252,040
146— 129: 2,252,362
2,252,363
169: 2,252,265
150— 35: 2,252,586
38: 2,252,177
151— 21: 2,252,145
152— 237: 2,252,429
409: 2,252,194
153— 28: 2,251,967
38: 2,252,329
46: 2,252,491
54: 2,252,085
154— 2: 2,252,539
10: 2,251,904
44: 2,252,157
45.9: 2,252,285
155— 14: 2,252,218
61: 2,252,224
81: 2,252,137
161: 2,252,097
156— 10: 2,252,070
17: 2,252,677
40: 2,252,359
42: 2,252,109
157— 6: 2,252,108
158— 27.4: 2,252,320
36: 2,252,556
91: 2,252,162
2,252,182
161— 7: 2,252,125
15: 2,252,035
16: 2,251,925
164— 0.5: 2,252,270
77: 2,252,086
166— 1: 2,251,977
21: 2,252,271
167— 24: 2,252,548
170— 15: 2,252,523
171— 34: 2,252,483
118: 2,252,453
119: 2,252,296
2,252,452
242: 2,252,092
252: 2,252,440
312: 2,252,445
2,252,645
329: 2,252,668
172— 239: 2,252,053
173— 330: 2,252,454
356: 2,252,340
359: 2,252,553
175— 21: 2,252,208
41.5: 2,251,995
2,252,103
183: 2,252,059
2,252,424
2,252,475
294: 2,252,444
335: 2,252,321
365: 2,252,438
176— 3: 2,252,517
32: 2,252,476
34: 2,252,324
121: 2,252,508
122: 2,252,474
2,252,638
177— 329: 2,251,984
2,252,339
351: 2,251,973
380: 2,252,464

177— 386: 2,252,275
178— 5.2: 2,252,263
6 8: 2,251,966
7.5: 2,251,929
2,252,148
2,252,599
17.5: 2,252,060
27: 2,252,232
44: 2,252,002
2,252,613
53: 2,252,364
69.5: 2,252,380
71: 2,252,622
75: 2,252,629
179— 1: 2,252,549
17: 2,252,309
27.54: 2,251,933
82: 2,252,641
84: 2,251,958
100.3: 2,252,282
100.4: 2,252,057
100.11: 2,252,327
170: 2,252,679
171: 2,252,007
2,252,049
2,252,084
2,252,458
2,252,612
171.5: 2,252,293
180— 14: 2,252,610
22: 2,252,205
79.2: 2,252,660
181— 48: 2,252,256
183— 24: 2,252,242
49: 2,251,964
184— 6: 2,252,051
2,252,171
104: 2,252,254
185— 40: 2,252,375
187— 95: 2,251,963
188— 33: 2,252,648
71: 2,252,355
77: 2,252,247
152: 2,252,128
2,252,482
216: 2,252,221
189— 34: 2,252,012
69: 2,252,505
73: 2,252,547
82: 2,252,533
88: 2,251,991
192— .01: 2,252,009
2,252,136
4: 2,251,956
192— 53: 2,252,198
67: 2,252,670
127: 2,252,626
134: 2,251,971
194— 1: 2,252,253
72: 2,251,937
195— 65: 2,252,403
196— 40: 2,252,082
74: 2,252,111
94: 2,252,020
2,252,550
197— 17: 2,252,004
45: 2,252,652
159: 2,252,075
198— 21: 2,252,499
30: 2,252,498
166: 2,252,460
170: 2,252,033
203: 2,252,336
199— 16: 2,252,472
45: 2,252,507
48: 2,252,473
200— 52: 2,252,222
58: 2,252,680
87: 2,252,245
113: 2,252,003
167: 2,252,489
202— 46: 2,252,117
204— 193: 2,251,959
205— 14: 2,252,352
25: 2,252,365
206— 44: 2,252,147
2,252,297
2,252,298
209— 88: 2,251,949
144: 2,252,581
168: 2,252,576
255: 2,252,304
210— 8.5: 2,252,213
24: 2,252,065
149: 2,251,909
156: 2,252,643
211— 23: 2,252,602
42: 2,252,306
45: 2,252,402
49: 2,252,654
86: 2,252,025
123: 2,252,249
183: 2,252,570
213— 12: 2,251,982
214— 46: 2,251,990
67: 2,252,608
216— 60: 2,252,653
219— 4: 2,251,957
219— 4: 2,252,603
26: 2,252,538
39: 2,252,337
2,252,541
46: 2,252,423
220— 27: 2,251,987
61: 2,252,488
77: 2,251,926
85: 2,251,924
97: 2,252,272
221— 3: 2,252,468
111: 2,252,250
47.5: 2,252,115
102: 2,252,143
2,252,150
112: 2,252,101
223— 37: 2,252,113
224— 45: 2,252,235
48: 2,252,021
226— 14: 2,252,127
39.6: 2,252,478
80: 2,252,201
81: 2,252,217
116: 2,252,291
227— 49: 2,252,357
229— 41: 2,252,023
51: 2,252,611
87: 2,252,462
230— 141: 2,252,661
234— 21: 2,251,976
235— 60: 2,251,969
63: 2,252,621
124: 2,252,330
132: 2,251,974
236— 1: 2,252,301
12: Re.21,873
14: 2,252,308
15: 2,252,323
37: 2,252,142
45: 2,252,425
46: 2,252,154
237— 40: 2,252,064
238— 283: 2,252,515
315: 2,252,116
240— 2: 2,252,267
7.55: 2,252,088
10.6: 2,251,920
25: 2,252,022
81: 2,252,434
108: 2,252,582
242— 18: 2,252,592
242— 90: 2,251,912
130: 2,252,625
134: 2,252,439
244— 5: 2,252,342
18: 2,252,544
40: 2,252,528
42: 2,252,656
2,252,657
82: 2,252,284
246— 29: 2,252,525
451: 2,252,617
248— 40: 2,251,989
79: 2,252,072
159: 2,252,619
211: 2,252,630
230: 2,252,579
311: 2,252,260
250— 11: 2,251,997
2,252,063
2,252,083
2,252,447
17: 2,252,092
20: 2,252,058
2,252,066
2,252,098
2,252,584
2,252,669
27: 2,252,441
27.5: 2,251,923
2,251,951
2,252,118
2,252,580
33: 2,252,395
2,252,671
36: 2,252,189
2,252,370
2,252,442
40: 2,252,100
41.5: 2,252,457
80: 2,252,590
81: 2,252,500
2,252,552
95: 2,252,530
150: 2,252,565
153: 2,251,992
251— 73: 2,252,141
92: 2,252,185
109: 2,252,131
252— 37: 2,252,087
42: 2,252,385
48: 2,252,133
53: 2,251,953
2,252,675
58: 2,252,674
252— 107: 2,251,934
2,251,935
333: 2,252,110
254— 2: 2,252,594
88: 2,252,255
92: 2,252,166
112: 2,252,404
139: 2,252,001
2,252,514
255— 1.4: 2,252,620
1.8: 2,252,669
23: 2,252,618
61: 2,252,168
257— 130: 2,252,211
259— 3: 2,252,589
4: 2,252,076
108: 2,251,903
260— 4: 2,252,486
22: 2,252,303
28: 2,252,485
38: 2,252,331
78: 2,252,551
2,252,555
2,252,557
79: 2,252,306
92: 2,252,333
155: 2,251,947
193: 2,251,921
283: 2,251,922
326: 2,252,401
397.5: 2,251,939
401: 2,251,940
414: 2,252,658
429: 2,252,662
2,252,663
2,252,664
2,252,665
461: 2,252,479
471: 2,252,230
472: 2,251,996
481: 2,251,932
486: 2,251,946
491: 2,251,983
520: 2,252,666
561: 2,252,400
580: 2,252,099
607: 2,252,081
609: 2,252,138
654: 2,252,536
669: 2,251,938
779: 2,252,318
261— 11: 2,252,313
31: 2,252,122
262— 3: 2,251,916
263— 9: 2,252,030
14: 2,252,319
265— 2: 2,252,014
11: 2,252,572
24: 2,251,911
268— 21: 2,252,634
61: 2,252,172
270— 54: 2,251,943
271— 2.5: 2,251,985
12: 2,251,945
62: 2,252,469
64: 2,252,322
272— 53: 2,252,016
54: 2,252,008
56.5: 2,251,927
273— 108: 2,252,451
138: 2,252,516
274— 46: 2,251,919
277— 45: 2,252,418
280— 33.2: 2,252,135
96.2: 2,251,936
286— 7: 2,252,526
29: 2,252,029
287— 1: 2,252,206
20: 2,252,379
78: 2,252,448
288— 5: 2,252,240
290— 38: 2,252,506
292— 1: 2,252,144
63: 2,252,591
293— 55: 2,252,537
295— 11: 2,252,335
296— 28: 2,251,970
299—140.1: 2,252,200
301— 11: 2,252,163
63: 2,252,481
108: 2,252,132
302— 14: 2,252,501
308— 77: 2,252,673
210: 2,251,944
237: 2,252,446
309— 5: 2,252,149
45: 2,252,199
313— 38: 2,252,215
312— 48: 2,252,493
62: 2,252,616
68: 2,251,994
73: 2,252,381
135: 2,252,238
144: 2,252,067

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,251,907: 62— 140
2,251,937: 194— 72
2,251,938: 260— 669
2,251,946: 260— 486
2,251,964: 183— 49
2,251,966: 178— 6.8
2,251,987: 220— 27
2,251,989: 248— 40
2,251,990: 214— 46
2,251,994: 312— 68
2,251,998: 88— 24
2,252,006: 95— 75
2,252,014: 265— 2
2,252,021: 224— 48
2,252,024: 30— 8
2,252,025: 211— 86
2,252,039: 8—115.5
2,252,046: 126— 94
2,252,047: 103— 5
2,252,075: 197— 159
2,252,129: 75— 10
2,252,172: 268— 64
2,252,180: 50— 226
2,252,187: 123— 73
2,252,203: 77— 3
2,252,235: 224— 45
2,252,239: 33—126.4
2,252,260: 248— 311
2,252,271: 166— 21
2,252,300: 62— 4
2,252,310: 5— 2
2,252,313: 261— 11
2,252,322: 271— 64
2,252,337: 219— 39
2,252,343: 9— 23
2,252,374: 111— 51
2,252,379: 287— 20
2,252,381: 312— 73
2,252,387: 73— 374
2,252,402: 211— 45
2,252,406: 30— 14
2,252,479: 260— 461
2,252,485: 260— 28
2,252,486: 260— 4
2,252,488: 220— 61
2,252,528: 244— 40
2,252,550: 196— 94
2,252,551: 132— 78.5
2,252,553: 173— 359
2,252,567: 62— 4
2,252,575: 30— 91
2,252,620: 255— 1.4
2,252,624: 27— 24
2,252,637: 66— 132
2,252,653: 217— 60
2,252,660: 180— 79.2
2,252,666: 260— 520
2,252,669: 255— 1.8
2,252,674: 252— 58
2,252,678: 35— 28

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Injectable solution of vitamin B complex components. Serial No. 445,188; Aug. 19. Class 6.

Abbott Laboratories, North Chicago, Ill. Ointment base. Serial No. 445,190; Aug. 19. Class 6.

American Lead Pencil Company, Hoboken, N. J. Lead pencils. Serial No. 444,132; Aug. 19. Class 37.

American Window Glass Company, Pittsburgh, Pa. Laminated glass. Serial No. 440,307; Aug. 19. Class 33.

Amp Corporation, St. Louis, Mo. Unitary combination of container, cooler, and dispenser for handling soft drinks and their ingredients. Serial No. 442,771; Aug. 19. Class 23.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfumes and toilet waters. Serial No. 444,319; Aug. 19. Class 6.

Armstrong Cork Company, Lancaster, Pa. Cork roll covers for textile mill usage. Serial No. 444,247; Aug. 19. Class 23.

Associated Merchandising Corporation, New York, N. Y. Men's and boys' suits, coats, outer and under shirts, etc. Serial No. 442,093; Aug. 19. Class 39.

Associated Merchandising Corporation, New York, N. Y. Candy and cookies. Serial No. 442,094; Aug. 19. Class 46.

Atlas Powder Company, Wilmington, Del. Coated fabrics. Serial No. 443,623; Aug. 19. Class 50.

Audrey, Gilda, Products, Inc., New York, N. Y. Hair lotions. Serial No. 445,092; Aug. 19. Class 6.

Bartmann & Bixer Inc., New York, N. Y. Window curtains. Serial No. 444,248; Aug. 19. Class 42.

Bauer Type Foundry, Inc., The, New York, N. Y. Printing type fonts. Serial No. 426,117; Aug. 19. Class 14.

Benjamin Electric Mfg. Company, Des Plaines, Ill. Electric lighting fixtures. Serial No. 443,872; Aug. 19. Class 21.

Bloomingdale Bros. Inc., New York, N. Y. Men's and boys' wearing apparel. Serial No. 443,833; Aug. 19. Class 39.

Bonnie Maid Hats, Inc., Dallas, Tex. Children's and ladies' hats and children's coats. Serial No. 444,563; Aug. 19. Class 39.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial No. 445,168; Aug. 19. Class 22.

Brunswig Drug Co., Los Angeles, Calif. Fruit acid, vanilla and fruit flavored bases. Serial No. 444,790; Aug. 19. Class 45.

Byer-Rolnick Company, Garland, Tex. Men's hats. Serial No. 444,663; Aug. 19. Class 39.

Campbell Soup Company, Camden, N. J. Spaghetti in hermetically closed containers. Serial No. 444,522; Aug. 19. Class 46.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 444,857; Aug. 19. Class 42.

Central Paper Company, Incorporated, Muskegon, Mich. Paper and paper products. Serial No. 443,283; Aug. 19. Class 37.

Chicago Mail Order Company, Chicago, Ill. Men's, women's, and children's leather shoes. Serial No. 440,367; Aug. 19. Class 39.

Chicago Mail Order Company, Chicago, Ill. Women's and misses' shoes. Serial No. 443,183; Aug. 19. Class 39.

Chicago Mail Order Company, Chicago, Ill. Sheets, sheeting, pillow cases, etc. Serial No. 444,893; Aug. 19. Class 42.

Clearfield Taxidermy Company, Clearfield, Pa. Wearing apparel. Serial No. 442,444; Aug. 19. Class 39.

Club Aluminum Products Co., Chicago, Ill. Soap impregnated metallic wool pads. Serial No. 444,896; Aug. 19. Class 4.

Cochran, Jacqueline, Roselle, N. J. Cosmetics and beauty preparations. Serial No. 443,116; Aug. 19. Class 6.

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate and/or silk piece goods. Serial No. 444,897; Aug. 19. Class 42.

Cohoes Envelope Co. Inc., Cohoes and New York, N. Y. Envelopes. Serial No. 444,298; Aug. 19. Class 37.

Cole Chemical Company, Wilmington, Del., and St. Louis, Mo. Pharmaceutical preparation for occasional constipation. Serial No. 445,084; Aug. 19. Class 6.

Columbian Carbon Company, New York, N. Y. Particulate carbon used in the industrial arts. Serial No. 444,820; Aug. 19. Class 6.

Cooper & Cooper Inc., Brooklyn, N. Y. Razor blades. Serial No. 439,223; Aug. 19. Class 23.

Cornell Seed Company, St. Louis, Mo. Sweet corn seed. Serial No. 442,691; Aug. 19. Class 1.

Cosby Brush & Import Co. Inc., New York, N. Y. Brushes. Serial No. 443,557; Aug. 19. Class 29.

Cottle-Wilson Laboratories. (See Wilson, Caliste V.)

Crown Zellerbach Corporation, doing business as Crown Willamette Paper Co., San Francisco, Calif. Wrapping paper. Serial No. 443,479; Aug. 19. Class 37.

Dash, Incorporated, New York, N. Y. Printing machines. Serial No. 444,791; Aug. 19. Class 23.

De Paris, Gaston, Inc., New York, N. Y. Perfumes and toilet water. Serial No. 444,446; Aug. 19. Class 6.

Dermatics, Inc., Seattle, Wash. Lipstick, lip rouge, face powder, etc. Serial No. 439,773; Aug. 19. Class 6.

E-Z Professional Squeegee Co., Chicago, Ill. Window squeegee. Serial No. 444,401; Aug. 19. Class 29.

Etchison Hat Company, Inc., Richmond, Va. Men's felt and straw hats. Serial No. 444,042; Aug. 19. Class 39.

Feustel, Ernest A., Incorporated, Hasbrouck Heights, N. J. Yarn carriers and yarn carrier tubes and fingers for knitting machines. Serial No. 444,734; Aug. 19. Class 23.

Galveston-Houston Breweries, Inc., Galveston, Tex. Soft drinks and flavoring syrups. Serial No. 444,904; Aug. 19. Class 45.

General Mills, Inc., Minneapolis, Minn. Fortified wheat germ oil. Serial Nos. 444,335–6; Aug. 19. Class 6.

General Motors Corporation, Detroit, Mich. Automobiles and structural parts thereof. Serial No. 441,242; Aug. 19. Class 19.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. Serial No. 443,930; Aug. 19. Class 23.

Glasgo Limited, Philadelphia, Pa. Bathing suits and sweaters Serial No. 444,337; Aug. 19. Class 39.

Grand Bahama Packing Company, Limited, Nassau, N. P., Bahama Islands. Canned lobster. Serial No. 443,290; Aug. 19. Class 46.

Grant, Gerald M. M., Los Angeles, Calif. Piston rings. Serial No. 445,153; Aug. 19. Class 35.

Greenholtz, Benjamin, New York, N. Y. Women's coats. Serial No. 444,534; Aug. 19. Class 39.

Hackman, Jack, doing business as National Cleaning Products Company, Columbus, Ohio. Powder for use as a washing preparation. Serial No. 444,220; Aug. 19. Class 4.

Hanna Furnace Corporation, The, Buffalo, N. Y. Pig iron. Serial No. 444,498; Aug. 19. Class 14.

Herman, Louis, & Company, New York, N. Y. Rayon and silk underwear. Serial No. 443,191; Aug. 19. Class 39.

Heyden Chemical Corporation, New York, N. Y. Dipentaerythritol. Serial No. 444,183; Aug. 19. Class 6.

Heyden Chemical Corporation, New York, N. Y. Pentaerythritol. Serial No. 444,184; Aug. 19. Class 6.

Huber, J. M., Inc., New York, N. Y. China clay. Serial Nos. 443,292–3; Aug. 19. Class 1.

Jackson & Church Company, Saginaw, Mich. Heating furnaces using solid, liquid, or gaseous fuels. Serial No. 442,789; Aug. 19. Class 34.

Jarvinen, Vilho O., New York, N. Y. Cheese. Serial No. 434,330; Aug. 19. Class 46.

Jo-Mor Hats, Incorporated, Chicago, Ill. Ladies' hats. Serial No. 444,122; Aug. 19. Class 39.

Joseph & Feiss Company, The, Cleveland, Ohio. Men's and youths' suits. Serial No. 444,150; Aug. 19. Class 39.

Katzinger, Edward, Company, The, Chicago, Ill. Stamped sheet metal pastry molds. Serial No. 432,768; Aug. 19. Class 13.

Keystone Varnish Company, New York, N. Y. Paste paints and ready-mixed paints and paint enamels. Serial No. 444,047; Aug. 19. Class 16.

Klauer Manufacturing Company, Dubuque, Iowa. Gravity roof ventilators. Serial No. 443,364; Aug. 19. Class 34.

Lewis & Locke, Inc., New York, N. Y. Fabric gloves. Serial No. 440,865; Aug. 19. Class 39.

Lichtenstein, Gerson, Philadelphia, Pa. Rodeo attire. Serial No. 441,546; Aug. 19. Class 39.

Liebenthal Brothers Company, The, doing business as Marlo Products Co., Cleveland, Ohio. Preparation for the treatment of gastric or duodenal ulcers. Serial No. 443,197; Aug. 19. Class 6.

Linton Pencil Company, Lewisburg, Tenn. Mechanical pencils, leads, wood case pencils, etc. Serial No. 444,154; Aug. 19. Class 37.

Lish, Philip, New York, N. Y. Women's and children's hats, berets, and tam-o-shanters. Serial Nos. 442,868–9; Aug. 19. Class 39.

Lish, Samuel, New York, N. Y. Women's and children's hats, berets, and tam-o-shanters. Serial No. 442,044; Aug. 19. Class 39.

Marlo Products Co. (See Liebenthal Brothers Company.)

Martin, J. E., Equipment Corporation, Niagara Falls, N. Y. Dry cleaning fluid. Serial No. 439,393; Aug. 19. Class 4.

Maryland Baking Company, Inc., Baltimore, Md. Ice cream cones. Serial No. 438,441; Aug. 19. Class 46.

McCloughlin Manufacturing Company, New York, N. Y. Sports caps, tennis caps, and sports visors. Serial No. 443,613; Aug. 19. Class 39.
McLott, William C., doing business as Resisto-Loy Company, Grand Rapids, Mich. Hard facing alloy metal. Serial Nos. 443,946–8; Aug. 19. Class 14.
McNulty, William J., Montclair, N. J. Preparation for treating the nose and throat. Serial No. 443,574; Aug. 19. Class 6.
Merit Clothing Company, Inc., Mayfield, Ky. Men's overcoats of wool and mohair. Serial No. 443,663; Aug. 19. Class 39.
Mid-West Oil Company, Kansas City, Kans. Lubricating oils. Serial No. 444,411; Aug. 19. Class 15.
National Biscuit Company, New York, N. Y. Ice cream cones. Serial No. 444,385; Aug. 19. Class 46.
National Cleaning Products Company. (See Hackman, Jack.)
National Union Radio Corporation. (See Philco Corporation, assignor.)
Natra-Lyn Manufacturing Company, Philadelphia, Pa. Cream for permanent waving, shampoo, hair oil, etc. Serial No. 443,890; Aug. 19. Class 6.
Nu-Dent Porcelain Studio, Inc., New York, N. Y. Tooth facings and dental crowns. Serial No. 444,911; Aug. 19. Class 44.
Oak Mfg. Co., Chicago, Ill. Electric switches, vibrators, condensers, etc. Serial No. 444,738; Aug. 19. Class 21.
Orefraction Incorporated, Pittsburgh, Pa. Mineral abrasive powders. Serial No. 443,202; Aug. 19. Class 4.
Packard Dresses Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. Serial No. 444,413; Aug. 19. Class 39.
Park East Publishing Co., Inc., New York, N. Y. Periodical. Serial No. 439,359; Aug. 19. Class 38.
Patented Appliances, Incorporated, Simsbury and Saybrook, Conn. Food patty forming machines. Serial No. 444,051; Aug. 19. Class 23.
Penslar Company, The, Detroit, Mich. Vitamin product. Serial No. 444,579; Aug. 19. Class 6.
Perry Knitting Company, The, Perry, N. Y. Men's, boys', and children's cotton knit underwear. Serial No. 437,179; Aug. 19. Class 39.
Petersen Oven Company, The, Chicago, Ill. Baking ovens and hot air agitating apparatus therefor. Serial No. 442,427; Aug. 19. Class 34.
Philco Corporation, Philadelphia, Pa., assignor to National Union Radio Corporation, Newark, N. J. Radio and television tubes. Serial No. 432,867; Aug. 19. Class 21.
Piedmont Cotton Mills, Egan (Greater Atlanta), Ga. Cotton twine. Serial No. 444,740; Aug. 19. Class 7.
Podhouser & Hollinger Fur Corp., New York, N. Y. Muskrat coats for women. Serial No. 443,780; Aug. 19. Class 39.
Pollak, Henry, Inc., New York, N. Y. Millinery braids. Serial No. 441,328; Aug. 19. Class 40.
Pollock, Leo, Corporation, New York, N. Y. Decorative lighting devices. Serial Nos. 444,678–9; Aug. 19. Class 21.
Premo Pharmaceutical Laboratories, Inc., New York, N. Y. Pharmaceutical preparation of vitamins and minerals, capsules, etc. Serial No. 444,658; Aug. 19. Class 6.
Producers' Crop Improvement Association, Piper City, Ill. Field seeds and hybrid seed corn. Serial No. 442,497; Aug. 19. Class 1.
Resisto-Loy Company. (See McLott, William C.)
Rockwood & Co., Brooklyn, N. Y. Sweetened cocoa preparation. Serial No. 441,925; Aug. 19. Class 46.
Rose, William, New York, N. Y. Textile fabrics in the piece. Serial No. 444,356; Aug. 19. Class 42.
Ross, Howard L., Corporation, New York, N. Y. Combined spear and fork made of plastic material for use in handling pickles, olives, etc. Serial No. 444,582; Aug. 19. Class 23.
Rotobowling Corporation, Miami, Fla. Power bowling machines, bowling pins, balls, and alleys. Serial No. 443,704; Aug. 19. Class 22.
Ryan, Edwin J., doing business as Vegejuice Publishing Company, not incorporated, Chicago, Ill. Magazine of general circulation. Serial No. 441,551; Aug. 19. Class 38.
Sears, Roebuck and Co., Chicago, Ill. Body deodorants. Serial No. 442,143; Aug. 19. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Wire fencing. Serial Nos. 444,159–60; Aug. 19. Class 13.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Container or vial, ampoule or ampoule-vial holding a biological or pharmaceutical medicament, etc. Serial No. 444,549; Aug. 19. Class 6.
Siegfried, H., & Sons, Inc., St. Louis, Mo. Men's and boys' trousers. Serial No. 444,392; Aug. 19. Class 39.
Simkins, A., & Co., New York, N. Y. Curved wood and plastic accessories. Serial No. 444,358; Aug. 19. Class 32.
Sleepmaster Products Company, Newark, N. J. Mattresses, box springs, studio couches and pillows. Serial No. 444,717; Aug. 19. Class 32.
Solvay Process Company, The, New York, N. Y. Dehumidifiers. Serial No. 443,862; Aug. 19. Class 34.
Spicene Co. of America, Long Island City, N. Y. Sausage seasoning. Serial No. 444,057; Aug. 19. Class 46.
Staedtler, J. S., Nuremberg, Germany. Pencils, crayons, pencils, etc. Serial No. 433,835; Aug. 19. Class 37.
Standard Foods, Incorporated, Louisville, Ky. Frozen meats. Serial No. 443,270; Aug. 19. Class 46.
Standard Milling Company, New York, N. Y. Wheat flour, rye flour, cake flour, etc. Serial No. 417,477; Aug. 19. Class 46.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps for men, women, and children. Serial No. 443,307; Aug. 19. Class 39.
Stix, Baer and Fuller Company, St. Louis, Mo. Handbags and purses. Serial No. 445,304; Aug. 19. Class 3.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Paper having a smooth glossy thermoplastic coating thereon. Serial No. 443,349; Aug. 19. Class 37.
Syndicate Store Merchandiser, Inc., New York, N. Y. Periodical. Serial No. 441,455; Aug. 19, 1941. Class 38.
Taylor, William H., Birmingham, Ala. Cleaning compound for cleaning rubber articles. Serial No. 444,422; Aug. 19. Class 4.
Teddy Pharmaceutical Co. (See Voss, Peter.)
Texas Tanning & Manufacturing Company, Yoakum, Tex. Billfolds, keycases, brief cases, etc. Serial No. 445,279; Aug. 19. Class 3.
Thormac Chemical Company, Inc., New York, N. Y. Coatings in the nature of paint and enamel coatings. Serial Nos. 441,334–5; Aug. 19. Class 16.
Tioga Mills, Inc., Waverly, N. Y. Poultry grain, dry-wash chick feed and stock feed. Serial No. 442,054; Aug. 19. Class 46.
Tuco Work Shops, Incorporated, The, Lockport, N. Y. Picture puzzle games. Serial No. 435,926; Aug. 19. Class 22.
Union Distillers Products Co., The, Baltimore, Md. Wines. Serial No. 442,294; Aug. 19. Class 47.
U. S. Electrical Motors, Inc., Los Angeles, Calif. Electric motors. Serial No. 444,922; Aug. 19. Class 21.
U. S. Neckwear Corporation, New York, N. Y. Neckties and scarfs. Serial No. 444,553; Aug. 19. Class 39.
United States Rubber Company, New York, N. Y. Electrical conductor wires and cables. Serial Nos. 444,920–1; Aug. 19. Class 21.
Vegejuice Publishing Company, not incorporated. (See Ryan, Edwin J.)
Vermarco Lime Company. (See Vermont Marble Company.)
Vermont Marble Company, Proctor, and doing business as Vermarco Lime Company, West Rutland, Vt. Lime for building purposes. Serial No. 441,716; Aug. 19. Class 12.
Voss, Peter, doing business as Teddy Pharmaceutical Co., Washington, D. C. Laxatives, skin and rectal ointments, and healing salves. Serial No. 443,588; Aug. 19. Class 6.
Vy Lactos Laboratories, Inc., Des Moines, Iowa. Livestock and poultry feeds. Serial No. 430,886; Aug. 19. Class 46.
Waggoner, Norman L., Inc., San Francisco, Calif. Canned fruits and canned vegetables. Serial No. 443,965; Aug. 19. Class 46.
Waks Fur Company, New York, N. Y. Fur coats and jackets. Serial No. 444,745; Aug. 19. Class 39.
Walnut Grove Products Company, Atlantic, Iowa. Vermifuges, insecticides, germicides, and disinfectants. Serial No. 438,226; Aug. 19. Class 6.
Weber and Heilbroner, Inc., New York, N. Y. Men's suits, slacks, outer and under shirts, etc. Serial No. 444,622; Aug. 19. Class 39.
Wellco Shoe Corporation, Waynesville, N. C. Slippers, shoes, and beach shoes. Serial No. 444,026; Aug. 19. Class 39.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Mouth wash. Serial No. 444,292; Aug. 19. Class 6.
Williams, R. C., & Company, Inc., New York, N. Y. Food colorings. Serial No. 443,826; Aug. 19. Class 6.
Williams, R. C., & Company, Inc., New York, N. Y. Fountain syrups. Serial No. 443,902; Aug. 19. Class 45.
Wilson Brothers, Chicago, Ill. Men's and boys' underwear. Serial No. 442,679; Aug. 19. Class 39.
Wilson, Caliste V., doing business at Cottie-Wilson Laboratories, North Hollywood, Calif. Colloidal sulphur solution for internal consumption, baths, enema, etc. Serial No. 440,446; Aug. 19. Class 6.
Wilson Sporting Goods Co., Chicago, Ill. Sateen duck piece goods. Serial No. 444,368; Aug. 19. Class 42.
Winston, Sidney, Washington, D. C. Women's, misses', and children's dresses. Serial No. 444,661; Aug. 19. Class 39.
Wolff, Conrad, Irvington, N. J. Metal polish. Serial No. 444,851; Aug. 19. Class 4.
Zimray, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 445,077; Aug. 19. Class 42.
Zonite Products Corporation, New York, N. Y. Mothproofing composition. Serial Nos. 444,846–7; Aug. 19. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Abell, Henry C., Asbury Park, N. J. Lock nuts. 389,671; Aug. 19; Serial No. 417,195; published June 10, 1941. Class 13.
Adams, H. A., & Co., Inc., New York, N. Y. Ladies' and misses' handbags and pocketbooks. 389,824; Aug. 19; Serial No. 443,063; published June 10, 1941. Class 3.
Allen A Company, The, Bennington, Vt. Knitted and woven underwear and hosiery. 389,826; Aug. 19; Serial No. 443,103; published June 3, 1941. Class 39.
Alvey-Ferguson Company, The, Cincinnati, Ohio. Conveyers and conveying machinery and parts thereof. 149,336; renewed Dec. 13, 1941.
American Air Filter Company, Inc., Louisville, Ky. Filters for compressed air pipe lines. 389,686; Aug. 19; Serial No. 436,830; published June 10, 1941. Class 31.
American-LaFrance-Foamite Corporation. (See Foamite Firefoam Company, assignor.)
American Steel Wool Mfg. Co. Inc., Long Island City, N. Y. Steel wool. 389,787–8; Aug. 19; Serial Nos. 442,439–40; published June 10, 1941. Class 4.
Amfre Drug Co. Inc., New York, N. Y. Pharmaceutical preparation. 389,784; Aug. 19; Serial No. 442,405; published June 10, 1941. Class 6.
Amsterdam Textiles, Amsterdam, N. Y. Rugs. 389,811–12; Aug. 19; Serial Nos. 442,819–20; published June 10, 1941. Class 42.
Anderson Box Company, Indianapolis, Ind. Electric brooders. 389,713; Aug. 19; Serial No. 441,150; published June 10, 1941. Class 50.
Anderson, Clayton & Co., Houston, Tex. Field and garden seeds. 389,767; Aug. 19; Serial No. 442,183; published June 10, 1941. Class 1.
Arcy Mfg. Co. (See Windsor, William R. C.)
Associated Box Corporation, Newcastle, Pa. Containers. 389,829; Aug. 19. Class 2.
Associated Products Company. (See Christman, Lowell A.)
Associated Retail Millinery, Inc., Dallas, Tex. Hats for women. 389,724; Aug. 19; Serial No. 441,561; published June 3, 1941. Class 39.
Atkins, William O., doing business as Atkins Poultry Products, Pomeroy, Ohio. Medicinal compound used in the treatment of poultry. 389,697; Aug. 19; Serial No. 439,614; published Feb. 25, 1941. Class 6.
Atlantic Rubber Manufacturing Corporation, New York, N. Y. Dental rubber, dental dam, bulbs for dental use, and plaster-bowls. 148,783; renewed Nov. 29, 1941.
Autographic Register Company, Hoboken, N. J. Continuous writing sheets interleaved with carbon sheets. 389,781; Aug. 19; Serial No. 442,385; published June 10, 1941. Class 37.
Avery, B. F., & Sons Company, Louisville, Ky. Binders, cultivators, fertilizer distributors, etc. 389,785; Aug. 19; Serial No. 442,406; published June 10, 1941. Class 23.
Babs Creations, Inc., New York, N. Y. Rouge, lipstick, sachet, etc. 389,751; Aug. 19; Serial No. 441,991; published June 10, 1941. Class 6.
Babson Bros. Co., Chicago, Ill. Apparatus and equipment for energizing a fence wire electrically. 389,803; Aug. 19; Serial No. 442,684; published June 10, 1941. Class 21.
Bamberger, L., & Co., Newark, N. J. Sun lotion. 389,818; Aug. 19; Serial No. 442,889; published June 3, 1941. Class 6.
Bassick Manufacturing Co., The, assignor to Stewart-Warner Corporation, Chicago, Ill. Certain lubricating apparatus. 148,635; renewed Nov. 22, 1941.
Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings. 389,795; Aug. 19; Serial No. 442,545; published June 10, 1941. Class 26.
Beaver Varnish Co., Inc., The, Buffalo, assignor, by mesne assignments, to Certain-Teed Products Corporation, New York, N. Y. Mixed paints in oil, enamels, varnishes, waterproof coatings, Japana, etc. 146,686; renewed Sept. 20, 1941.
Bellin's Wonderstoen Co., Inc., New York, N. Y. Foot bubble bath preparation. 389,768; Aug. 19; Serial No. 442,185; published June 3, 1941. Class 6.
Belmar Fashions, Inc., New York, N. Y. Ladies' and misses' dresses. 389,761; Aug. 19; Serial No. 442,097; published June 10, 1941. Class 39.
Benaris-Syropac. (See Bernardi, Giacomo.)
Bendix, Jacob, New York, N. Y. Compound used in the finishing of textile fabrics, etc. 389,822; Aug. 19; Serial No. 442,984; published June 3, 1941. Class 6.
Bernardi, Giacomo, doing business as Benaris-Syropac, Cleveland, Ohio. Preparations used in the treatment of coughs, etc. 389,735; Aug. 19; Serial No. 441,757; published June 3, 1941. Class 6.
Betner, Benj C., Co., Devon, Pa. Paper bags. 389,688; Aug. 19; Serial No. 437,402; published June 10, 1941. Class 2.
Black and Decker Manufacturing Company, The, Towson, Md. Electric vacuum cleaners. 389,782; Aug. 19; Serial No. 442,386; published June 10, 1941. Class 21.
Blechman, S. & Sons, Inc., New York, N. Y. Hair-nets. 149,846; renewed Dec. 27, 1941.
Blue Moon Foods, Inc. (See Dilling & Company, assignor.)
Bordo Products Co., Chicago, Ill. Candy bars. 389,693; Aug. 19; Serial No. 438,645; published June 10, 1941. Class 46.
Boston Knitting Mills, Inc., Newton, Mass. All types of pajamas. 389,745; Aug. 19; Serial No. 441,942; published June 10, 1941. Class 39.
Boston Leather Specialties Inc., Everett, Mass. Crib sheets. 389,684; Aug. 19; Serial No. 436,540; published June 10, 1941. Class 42.
Botany Worsted Mills, Passaic, N. J. Machine woolen and worsted knitting yarn. 389,757; Aug. 19; Serial No. 442,056; published June 3, 1941. Class 43.
Bradley, Milton, Company, Springfield, Mass. Board game. 389,796–7; Aug. 19; Serial Nos. 442,547–8; published June 10, 1941. Class 22.
Bryden Horse Shoe Co., Catasauqua, Pa., assignor to Phoenix Manufacturing Company, Joliet, Ill. Horseshoes and horseshoe-calks. 149,645; renewed Dec. 20, 1941.
California Cotton Mills Company, Oakland, Calif. Stemming wads adapted to stemming and sealing in the powder charge in a blast hole. 389,709; Aug. 19; Serial No. 440,576; published June 10, 1941. Class 9.
California Machinery & Supply Co., Ltd., Anderson, Ind. Automatic decelerating control devices for attachment to carbureters of internal combustion engines. 389,832; Aug. 19. Class 23.
Campbell Hosiery Shops. (See Hefter, Henry.)
Capewell Manufacturing Company, The, Hartford, Conn. Hack saw blades. 389,715; Aug. 19; Serial No. 441,230; published June 10, 1941. Class 23.
Capewell Manufacturing Company, The. (See Fowler & Union Horse Nail Company.)
Capewell Manufacturing Company, The, Hartford, Conn. Hack saw blades. 389,739; Aug. 19; Serial No. 441,807; published June 10, 1941. Class 23.
Capitol Medicine Company, Montgomery, Ala. Decoction of willow and cherry for the treatment of dysentery, etc. 389,783; Aug. 19; Serial No. 442,387; published June 10, 1941. Class 6.
Carey, Emerson, Fibre Products Company, The, assignor to Central Fibre Products Company, Inc., Hutchinson, Kans. Wall-board and building-paper. 145,090; renewed July 26, 1941.
Cell-U-Base Corporation, as assignee, by mesne assignments, of Leland Veranus Slaight, assignor, by mesne assignments, to Cell-U-Base Corporation, New York, N. Y. A non-abrasive absorbent cleansing and polishing base. 143,069; renewed May 24, 1941.
Central Fibre Products Company. (See Emerson Carey Fibre Products Company, The, assignor.)
Certain-Teed Products Corporation. (See Beaver Varnish Co., The, assignor.)
Certain-Teed Products Corporation. (See Vulcanite Roofing Company, assignor.)
Champion Milling & Grain Company, Clinton, Iowa. Dairy, stock, and poultry mixed feeds. 147,761; renewed Nov. 1, 1941.
Chee, Yee D. (See Yim, Yee B.)
Chemische Fabrik Vormals Sandoz Basel, Switzerland, assignor to Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparation. 149,877; renewed Dec. 27, 1941.
Chipman's, Chas., Sons Co., Inc., New York, N. Y. Hosiery. 389,702; Aug. 19; Serial No. 439,887; published June 3, 1941. Class 39.
Christman, Lowell A., doing business as The Associated Products Company, Columbus, Ohio. Insecticide. 389,689; Aug. 19; Serial No. 437,502; published May 27, 1941. Class 6.
Citrus Products Company, Chicago, Ill. Nonalcoholic, noncereal, maltless, beverages and syrups and concentrates from which such soft drinks are made. 389,676; Aug. 19; Serial No. 426,974; published Feb. 27, 1940. Class 45.
Conway, Isaiah, doing business as Conway's Arrowhead Herb Company, Sacramento, Calif. Preparations for the treatment of dysentery, bronchial affections, heart ailments, etc. 389,731; Aug. 19; Serial No. 441,727; published June 10, 1941. Class 6.
Cosmopolitan Watch Material Importing Co. (See Schafran, Herman.)
Craddock-Terry Shoe Corporation, Lynchburg, Va. Women's leather and fabric shoes. 389,762; Aug. 19; Serial No. 442,110; published June 3, 1941. Class 39.
Crysler Products Corp., New York, N. Y. Ladies', misses', and children's hoods, hats, collars, etc. 389,710; Aug. 19; Serial No. 440,805; published June 3, 1941. Class 39.
Deutche Gold- und Silver-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Cutting elements for machine tools, and drawing blocks, thread guides and nozzles. 389,675; Aug. 19; Serial No. 426,881; published June 10, 1941. Class 23.
Di Frances, Anthony, Milwaukee, Wis. Hair tonic. 389,819; Aug. 19; Serial No. 442,933; published June 3, 1941. Class 6.

Dilling & Company, Indianapolis, Ind., assignor to Blue Moon Foods, Inc., Thorp, Wis. Chocolate candy. 144,742; renewed July 19, 1941.

Dix, Thomas M., Everett, Mass. Live foxes and fox pelts. 389,769; Aug. 19; Serial No. 442,190; published June 10, 1941. Class 1.

Dixie Bedding Company, Inc., Greensboro, N. C. Mattresses, studio couches, and upholstered furniture. 389,708; Aug. 19; Serial No. 440,499; published June 10, 1941. Class 32.

Doggett-Pfeil Company, Springfield, N. J. Garden insecticides. 389,670; Aug. 19; Serial No. 413,437; published Apr. 30, 1940. Class 6.

Dressaver Company, Inc., Brooklyn, N. Y. Men's, women's, and children's coats, jackets, and vests, ski suits, etc. 389,711; Aug. 19; Serial No. 441,087; published June 10, 1941. Class 39.

Drug Products Co., Inc., The, Long Island City, N. Y. Medicinal skin ointment. 389,721; Aug. 19; Serial No. 441,505; published June 10, 1941. Class 6.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Filing boxes. 389,813; Aug. 19; Serial No. 442,830; published June 10, 1941. Class 2.

Edison General Electric Appliance Company, Inc., Chicago, Ill. Laundry washing machines, ironing machines, and dryers. 389,775; Aug. 19; Serial No. 442,313; published June 10, 1941. Class 24.

Edison General Electric Appliance Company, Inc., Chicago, Ill. Electric dishwashers. 389,776; Aug. 19; Serial No. 442,314; published June 10, 1941. Class 21.

Edzone Chemical Co. (See O'Reilly, Edward J.)

Endo Products Inc., New York, N. Y. Preparation consisting of a suspension of magnesium trisilicate and aluminum hydroxide. 389,770; Aug. 19; Serial No. 442,254; published June 3, 1941. Class 6.

Endo Products Inc., New York, N. Y. Preparation consisting of water soluble dehydrochloric acid compound. 389,771; Aug. 19; Serial No. 442,255; published June 3, 1941. Class 6.

Endo Products Inc., New York, N. Y. Preparation consisting of a combination of bile acids, etc. 389,772; Aug. 19; Serial No. 442,256; published June 3, 1941. Class 6.

Esmond, Gundlach and Company. (See Kerr Ice Cream Company.)

Ever-Dry Corporation, doing business as Tipstik Cosmetics, Los Angeles, Calif. Lipsticks and lip rouge. 389,838; Aug. 19. Class 6.

Everson, Franklin E., doing business as F. E. Everson, New York, N. Y. Brushless shaving cream. 389,740; Aug. 19; Serial No. 441,862; published June 10, 1941. Class 4.

Factor, Max, & Co. (See Rodriguez, Justo J., assignor.)

Famous Foods, Inc., Detroit, Mich. Potato chips. 389,694; Aug. 19; Serial No. 439,158; published June 10, 1941. Class 46.

Feinstein, P., & Sons, Inc., New York, N. Y. Men's and young men's coats, vests, trousers, etc. 389,732; Aug. 19; Serial No. 441,729; published June 3, 1941. Class 39.

Flinders Manufacturing Co., Chicago, Ill. Electric table broilers and grills. 389,692; Aug. 19; Serial No. 438,535; published June 10, 1941. Class 21.

Finger Lakes Chemical Company, Inc., Ithaca, N. Y. Detergents (cleaning, water softening, etc.). 389,843; Aug. 19. Class 4.

Foamite Firefoam Company, New York, assignor, by mesne assignments, to American-LaFrance-Foamite Corporation, Elmira, N. Y. Hand-operated, portable, or stationary fire-extinguishers. 148,027; renewed Nov. 8, 1941.

Foamite Firefoam Company, New York, assignor, by mesne assignments, to American-LaFrance-Foamite Corporation, Elmira, N. Y. Fire-extinguishing compounds. 148,650; renewed Nov. 22, 1941.

Forstmann & Huffmann Company, assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 144,767; renewed July 19, 1941.

Forstmann & Huffmann Company, assignor, by mesne assignments, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 146,093; renewed Aug. 30, 1941.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 146,097; renewed Aug. 30, 1941.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 389,820; Aug. 19; Serial No. 442,953; published June 10, 1941. Class 42.

Fosgate Chester C., Orlando, Fla. Fresh citrus fruits. 148,030; renewed Nov. 8, 1941.

Fowler & Union Horse Nail Company, The, assignee of The Fowler Nail Co., Seymour, assignor to The Capewell Manufacturing Company, Hartford, Conn. Cold-rolled horseshoe-nails. 149,062–3; renewed Dec. 6, 1941.

Freers Chemical Works, Ltd., London, England. Compositions for preventing incrustation, etc. 389,816; Aug. 19; Serial No. 442,866; published June 3, 1941. Class 6.

Friedman, David, Inc., New York, N. Y. Housecoats, pajamas, and negligees. 389,793; Aug. 19; Serial No. 442,525; published June 10, 1941. Class 39.

Galveston-Houston Breweries, Inc. (See Southern Beverage Company, assignor.)

Gaston Canning Co., Inc., Gaston, Ind. Canned vegetables. 389,746; Aug. 19; Serial No. 441,957; published June 10, 1941. Class 46.

Geigy Company, Inc., New York, N. Y. Dyestuffs. 149,067; renewed Dec. 6, 1941.

General Mills, Inc. (See Great West Mill & Elevator Co., assignor.)

General Mills, Inc. (See Red Star Milling Company, assignor.)

General Paint Corporation. (See Seattle Paint Company.)

Gillenwaters, Theodore R., Los Angeles, Calif. Phonographs. 389,777; Aug. 19; Serial No. 442,318; published June 10, 1941. Class 36.

Goheen Corporation, The, Wilmington, Del., and Warren, Ohio, assignor to Vita-Var Corporation, Newark, N. J. Hardening liquid for treating concrete floors. 144,400; renewed July 5, 1941.

Goheen Corporation, The, Wilmington, Del., and Warren, Ohio, assignor to Vita-Var Corporation, Newark, N. J. Dry, paste, and ready-mixed paints. 144,777; renewed July 19, 1941.

Goheen Corporation, The, Wilmington, Del., and New York, N. Y., assignor to Vita-Var Corporation, Newark, N. J. Ready-mixed paint for hot surfaces. 148,053; renewed Nov. 8, 1941.

Goldberg, S., & Co. Inc., Hackensack, N. J. Boots and shoes. 389,747; Aug. 19; Serial No. 441,958; published June 10, 1941. Class 39.

Golden Wax Cleanser Company, Clarksville, Tenn. Liquid metal polish. 389,742; Aug. 19; Serial No. 441,906; published June 10, 1941. Class 4.

Golden Wax Cleanser Company, Clarksville, Tenn. General household cleaning compound. 389,743; Aug. 19; Serial No. 441,907; published June 10, 1941. Class 4.

Golden Wax Cleanser Company, Clarksville, Tenn. Cleaner for rugs and textile fabrics. 389,744; Aug. 19; Serial No. 441,908; published June 10, 1941. Class 4.

Goldsmith Bros., New York, N. Y. Merchandise tags. 389,764; Aug. 19; Serial No. 442,166; published June 10, 1941. Class 37.

Goldsmith Bros., New York, N. Y. Shipping tags. 389,765; Aug. 19; Serial No. 442,168; published June 10, 1941. Class 37.

Goodall Rubber Company, Inc., Philadelphia, Pa. Boots. 389,712; Aug. 19; Serial No. 441,090; published June 3, 1941. Class 39.

Goodrich, B. F., Company, The, New York, N. Y. Valves, belting, hose, packings, etc. 144,401; renewed July 5, 1941.

Goodrich, B. F., Company, The, New York, N. Y. Pump-valves made wholly or partly of rubber. 144,402; renewed July 5, 1941.

Goodrich, B. F., Company, The, New York, N. Y. Battery-jars. 144,575; renewed July 12, 1941.

Goodrich, B. F., Company, The, New York, N. Y. Hose made of rubber reinforced with fabric. 144,781; renewed July 19, 1941.

Goodrich, B. F., Company, The, New York, N. Y. Tires, tubes, patches, etc. 144,782; renewed July 19, 1941.

Goodrich, B. F., Company, The, New York, N. Y. Stationers' bands made of rubber. 145,102; renewed July 26, 1941.

Gordon, C. J., Company, Chicago, Ill. Coats, capes, boleros, etc. 389,736; Aug. 19; Serial No. 441,708; published June 3, 1941. Class 39.

Grady, M. J., Company, Incorporated, The, assignor to The Grady-Travers Company, Incorporated, New York, N. Y. Twine and cordage. 147,103; renewed Oct. 4, 1941.

Great West Mill & Elevator Co., Amarillo, Tex., assignor to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 149,393; renewed Dec. 13, 1941.

Gruenfeld, Alois, Philadelphia, Pa. Chemical for preservation of eggs. 389,814; Aug. 19; Serial No. 442,845; published June 3, 1941. Class 6.

Guardswell Paint Mfg. Co., Des Moines, Iowa. Paint in paste form. 389,758; Aug. 19; Serial No. 442,064; published June 10, 1941. Class 16.

Gundlach, George P. (See Kerr Ice Cream Company, assignor.)

Gunn Furniture Company, The, assignor to The Gunn Furniture Company, Grand Rapids, Mich. Desks. 149,936; renewed Dec. 27, 1941.

Haag Laboratories, Inc., The, Chicago, Ill. Chemically treated polishing cloths. 389,714; Aug. 19; Serial No. 441,162; published June 10, 1941. Class 4.

Harkins, Robert H., doing business as Nott Manufacturing Company, New York, N. Y. Mice exterminator. 389,779; Aug. 19; Serial No. 442,358; published June 10, 1941. Class 6.

Hayes-Donahue Manufacturing Co., Inc., The, Milford, Conn. Non-electrical hair curlers. 389,691; Aug. 19; Serial No. 437,821; published Jan. 21, 1941. Class 40.

Healy, Romeyn J., Milwaukee, Wis. Tooth cleaner and polisher. 389,830; Aug. 19. Class 44.

Hearst Magazines Inc. (See International Magazine Company.)

Heath, L. S., & Sons, Robinson, Ill. Dairy products. 389,755; Aug. 19; Serial No. 442,038; published June 10, 1941. Class 46.

Hefter, Henry, doing business as Campbell Hosiery Shops, Chicago, Ill. Socks. 389,836; Aug. 19. Class 39.

Hillerich & Bradsby Company, Inc., Louisville, Ky. Baseball-bats. 146,767; renewed Sept. 20, 1941.

Hurdus, Acker and Hirsch, New York, N. Y. Ladies' pocket handkerchiefs. 389,706; Aug. 19; Serial No. 440,249; published June 10, 1941. Class 39.

Huyck, F. C., & Sons, Albany, to F. C. Huyck & Sons, Rensselaer and Albany, N. Y. Rugs, blankets, couch- and bed covers, etc. 149,409; renewed Dec. 13, 1941.

Huyck, F. C., & Sons, Albany, to F. C. Huyck & Sons, Rensselaer and Albany, N. Y. Woolen piece goods, suitings, and overcoating. 149,954; renewed Dec. 27, 1941.

International Cigar Machinery Company. (See Universal Tobacco Machine Co., assignor.)

International Magazine Company, by merger to Hearst Magazines Inc., New York, N. Y. Monthly magazine. 149,119; renewed Dec. 6, 1941.

Invicta-Seeland, Incorporated, New York, N. Y. Watches, watch cases, watch parts, etc. 389,766; Aug. 19; Serial No. 442,172; June 10, 1941. Class 27.

Johnson, Mead, & Company, Evansville, Ind. Preparation of the casein of milk used to increase the protein of diets. 149,683; renewed Dec. 20, 1941.

Kansas Milling Company, The, Wichita, Kans. Wheat germ and wheat flour. 389,704; Aug. 19; Serial No. 440,096; published May 27, 1941. Class 46.

Kaplan Furniture Company, Cambridge, Mass. Bedroom furniture, dining room, living room furniture, etc. 389,679; Aug. 19; Serial No. 430,428; published June 10, 1941. Class 32.

Katzinger, Edward, Company, The, Chicago, Ill. Stirring, mixing, and beating apparatus for kitchen and table use. 389,833; Aug. 19. Class 23.

Keasbey & Mattison Company, Ambler, Pa. Asbestos cement conduit and duct and asbestos cement couplings and fittings. 389,672; Aug. 19; Serial No. 420,865; published Aug. 22, 1939. Class 21.

Kelley, Joseph J., doing business as Kelly Sales Company, Minneapolis, Minn. Herb medicine. 389,730; Aug. 19; Serial No. 441,704; published June 10, 1941. Class 6.

Kerr Ice Cream Company, The, assignor to George P. Gundlach, doing business as Esmond, Gundlach and Company, Cincinnati, Ohio. Ice cream. 389,798; Aug. 19; Serial No. 442,558; published June 10, 1941. Class 46.

Larus & Brother Company, Inc., Richmond, Va. Smoking and chewing tobacco and cigarettes. 389,828; Aug. 19. Class 17.

Lawrence, Charles P., Wethersfield, Conn. Writing instruction devices. 389,680; Aug. 19. Serial No. 431,311; published June 10, 1941. Class 37.

Levin & Co., New York, N. Y. Ladies' and girls' aprons, smocks, housecoats, etc. 389,802; Aug. 19; Serial No. 442,664; published June 10, 1941. Class 39.

Liss, Jack, Corporation, The, New York, N. Y. Sportswear. 389,722; Aug. 19. Serial No. 441,515; published June 10, 1941. Class 39.

Lonsdale Company, Providence, R. I. Cotton goods in the piece. 145,403; renewed Aug. 2, 1941.

Lonsdale Company, Providence, R. I. Cotton goods in the piece. 148,144; renewed Nov. 8, 1941.

Lorraine Mfg. Co., New York, N. Y. Infants' wear. 389,729; Aug. 19; Serial No. 441,676; published June 10, 1941. Class 39.

Loumac Mfg. Co. Inc., New York, N. Y. Electric light fixtures. 389,696; Aug. 19; Serial No. 439,601; published June 10, 1941. Class 21.

Lowenstein, B., & Bros., Inc., Memphis, Tenn. Ladies' sportswear. 389,719; Aug. 19. Serial No. 441,438; published June 3, 1941. Class 39.

Maccaferri, Mario, New York, N. Y. Reeds and mouthpieces for musical instruments. 389,804; Aug. 19; Serial No. 442,715; published June 10, 1941. Class 36.

Macy, R. H., & Co., Inc., New York, N. Y. Women's and misses' dresses. 389,752; Aug. 19; Serial No. 442,011; published June 10, 1941. Class 39.

Madelaine, Inc., Newark, N. J. Under arm and body liquid spray deodorant. 389,695; Aug. 19; Serial No. 439,234; published Apr. 1, 1941. Class 6.

Madieu, Gérard, Monaco, Monaco. Games of skill and games played with movable pieces. 389,669; Aug. 19; Serial No. 396,643; published June 10, 1941. Class 22.

Mallard, Karl, doing business as A. E. Mallard, Detroit, Mich. Medicinal preparation. 389,677–8; Aug. 19; Serial Nos. 429,120–1; published May 21, 1940. Class 6.

Mayflower Mills, Fort Wayne, Ind. Wheat-flour and self-rising wheat-flour. 149,451; renewed Dec. 13, 1941.

McCurrach Organization Incorporated, New York, N. Y. Men's neckties and mufflers. 389,773; Aug. 19. Serial No. 442,269; published June 10, 1941. Class 39.

McMullen-Leavens Company, Inc., New York, N. Y. Belts. 389,753; Aug. 19. Serial No. 442,012; published June 3, 1941. Class 39.

Meat Industries Laboratory, Inc., New York, N. Y. Pork sausage seasoning made of spices and other ingredients. 389,842; Aug. 19. Class 46.

Meletio Sea Food Co., St. Louis, Mo. Food preparation. 389,794; Aug. 19; Serial No. 442,535; published June 10, 1941. Class 46.

Modern Products, Inc., New York, N. Y. Automatic electric refrigerator defroster. 389,701; Aug. 19; Serial No. 439,824; published June 10, 1941. Class 31.

Nachman Springfilled Corporation, Chicago, Ill. Springfilled units for mattresses and upholstery units. 389,825; Aug. 19; Serial No. 443,089; published June 10, 1941. Class 32.

Nashua Baking Co., Inc., Nashua, N. H. Bread, cake, doughnuts. 389,673; Aug. 19; Serial No. 421,810; published June 10, 1941. Class 46.

National Biscuit Company, New York, N. Y. Biscuit, crackers, and cake. 149,707; renewed Dec. 20, 1941.

National Fire Door and Copper Store Front Company, Boston, Mass. Electric lighting fixtures, and component parts thereof. 389,840; Aug. 19. Class 21.

Neville & Everett, Scotland Neck, N. C. Powdered compound for use in exterminating lice. 389,748; Aug. 19; Serial No. 441,977; published June 10, 1941. Class 6.

New Hudson Limited, Birmingham, England. Brakes and parts thereof for motor vehicles. 389,754; Aug. 19; Serial No. 442,013; published June 10, 1941. Class 19.

New York Extract Co., Inc., Philadelphia, Pa. Non-alcoholic maltless beverage. 389,837; Aug. 19. Class 45.

Nion Corporation, Los Angeles, Calif. Liver extract used in the treatment of arthritis. 389,726; Aug. 19; Serial No. 441,623; published June 3, 1941. Class 6.

Nott Manufacturing Company. (See Harkins, Robert H.)

Ohio Ferro-Alloys Corporation, Philo, Ohio. Ferro-aluminum manganese alloys. 389,799; Aug. 19; Serial No. 442,600; published June 10, 1941. Class 14.

Oneida Paper Products, Inc., New York, N. Y. Cellulose film, glassine, or paper bags. 389,817; Aug. 19; Serial No. 442,874; published June 10, 1941. Class 2.

O'Reilly, Edward J., doing business as Edzone Chemical Co., Robbinsdale, Minn. Saponaceous admixture of hydrocarbons. 389,807; Aug. 19; Serial No. 442,797; published June 3, 1941. Class 6.

Parker Pen Company, The, Janesville, Wis. Writing ink. 389,786; Aug. 19; Serial No. 442,426; published June 17, 1941. Class 11.

Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready mixed paints, paint enamels, and lacquers. 389,845; Aug. 19. Class 16.

Ped-O-Sav Co. (See Ross, Alan W.)

Penslar Company, The, Detroit, Mich. Vitamin product. 389,763; Aug. 19; Serial No. 442,139; published June 3, 1941. Class 6.

Petrolite Corporation, Ltd., St. Louis, Mo. Chemical agent for removing deposits of asphalt, wax, etc. 389,823; Aug. 19; Serial No. 443,013; published June 3, 1941. Class 6.

Phelps-Terkel, Inc., Los Angeles, Calif. Outer shirts, and caps. 389,737; Aug. 19; Serial No. 441,782; published June 3, 1941. Class 39.

Phoenix Manufacturing Company. (See Bryden Horse Shoe Co., assignor.)

Pitt, C. M., & Sons Co., The, Baltimore, Md. Chocolate flavored fudge powder for use in making ice cream. 389,831; Aug. 19. Class 46.

Price Flavoring Extract Co., Chicago, Ill. Laxative preparation. 389,808; Aug. 19; Serial No. 442,800 published June 3, 1941. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. 389,815; Aug. 19; Serial No. 442,852; published June 10, 1941. Class 6.

Protozyme Laboratories, Inc., Detroit, Mich. Preparation for intravenous injection. 389,698; Aug. 19; Serial No. 439,630; published June 10, 1941. Class 6.

Rain-O-Shine Chemical Company. (See Wojnowski, S.)

Rare Chemicals, Inc., Flemington, N. J. Salicylic-acid ester of salicylic acid. 389,705; Aug. 19; Serial No. 440,174; published June 10, 1941. Class 6.

Red Star Milling Company, The, Wichita, Kans., assignor to General Mills, Inc., Minneapolis, Minn. Wheat-flour. 149,210; renewed Dec. 6, 1941.

Reno, H. O., Company, The, to The H. O. Reno Company, successor, Chicago, Ill. Monthly periodical. 144,043; renewed June 21, 1941.

Reserve Research Company, The, Cleveland, Ohio. Medicinal preparation. 389,778; Aug. 19; Serial No. 442,334; published June 10, 1941. Class 6.

Revlon Products Corporation, New York, N. Y. Chemical adhesive composition for mending broken nails. 389,835; Aug. 19. Class 6.

Rodriguez, Justo J., Scranton, Pa., assignor by mesne assignments, to Factor, Max, & Co., Los Angeles, Calif. Face-powders, face-creams, face-powder compacts, and perfumes. 147,022; renewed Sept. 27, 1941.

Rogers Peet Company, New York, N. Y. Men's and boys' collars. 389,723; Aug. 19; Serial No. 441,521; published June 3, 1941. Class 39.

Rosenbaum, Daniel, Wilmington, Del. Cardboard, fiberboard, plywood, and/or metal rug containers. 389,805; Aug. 19; Serial No. 442,725; published June 10, 1941. Class 2.

Ross, Alan W., doing business as Ped-O-Sav Co., Montclair, N. J. Preparation for the treatment of athlete's foot or other infections. 389,716; Aug. 19; Serial No. 441,375; published June 10, 1941. Class 6.

Rubinstein, Helena, Inc., New York, N. Y. Perfumes. 389,809; Aug. 19; Serial No. 442,803; published Aug. 19, 1941. Class 6.

Ruby Chemical Company, The, Columbus, Ohio. Soldering and tinning flux. 389,733; Aug. 19; Serial No. 441,747; published June 3, 1941. Class 6.

Ryser Bros., Chicago, Ill. Cheese. 389,734; Aug. 19; Serial No. 441,749; published June 10, 1941. Class 46.

San Fernando Citrus Association, San Fernando, Calif. Fresh citrus fruit. 389,749; Aug. 19; Serial No. 441,979; published June 10, 1941. Class 46.

Sandoz Chemical Works, Inc. (See Chemische Fabrik Vormals Sandoz, assignor.)
Santiam Mfg. Company, Salem, Oreg. Waffle lifter. 389,789; Aug. 19; Serial No. 442,465; published June 10, 1941. Class 23.
Sayour, Elias, Co. Inc., New York, N. Y. Ladies' and misses' housecoats. 389,699; Aug. 19; Serial No. 439,667; published June 10, 1941. Class 39.
Schafram, Hermnn, doing business as Cosmopolitan Watch Material Importing Co., New York, N. Y. Jewelers' instruments—namely, tweezers. 389,800; Aug. 19; Serial No. 442,605; published June 10, 1941. Class 23.
Schiaparelli, Elsa, Inc., New York, N. Y. Women's and misses' dresses, gowns, dressing gowns, etc. 389,717; Aug. 19; Serial No. 441,376; published June 10, 1941. Class 39.
Schlitz, Thomas R., Newark, N. J. Cigar holder. 389,780; Aug. 19; Serial No. 442,370; published June 10, 1941. Class 8.
Schneierson, I., & Sons, Inc., New York, N. Y. Nurses', beauticians', waitresses' uniforms, and for princess slips, chemises, bloomers, and step-ins. 389,688; Aug. 19; Serial No. 435,954; published June 10, 1941. Class 39.
Schwartz, Charles, & Co., Chicago, Ill. Towels. 389,821; Aug. 19; Serial No. 442,980; published June 10, 1941. Class 42.
Sealco Inc., New York, N. Y. Dressed fur skins and dyed fur skins. 389,756; Aug. 19; Serial No. 442,052; published June 10, 1941. Class 2.
Seattle Paint Company, Seattle, Wash., to General Paint Corporation, San Francisco, Calif., successor. Ready-mixed paints. 145,810; renewed Aug. 16, 1941.
Seminole Flavor Company, Chattanooga, Tenn. Carbonated, non-alcoholic, noncereal, maltless beverages. 389,682; Aug. 19; Serial No. 433,993; published June 10, 1941. Class 45.
Simonds Machine Company, Inc., Southbridge, Mass. Ophthalmic machinery comprising lens grinding machines, etc. 389,718; Aug. 19; Serial No. 441,417; published June 10, 1941. Class 23.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Linings for clothing of silk, artificial silk, silk and wool, etc. 389,720; Aug. 19; Serial No. 441,489; published May 20, 1941. Class 42.
Slaight, Leland V. (See Cell-U-Base Corporation.)
Smith, Kline & French Laboratories, Philadelphia, Pa. General tonic. 389,750; Aug. 19; Serial No. 441,980; published June 10, 1941. Class 6.
Snug-Fit Foundations Inc., New York, N. Y. Brassières, bandeaux, and foundation garments. 389,674; Aug. 19; Serial No. 425,031; published June 10, 1941. Class 39.
Southern Beverage Company, assignor, by mesne assignments, to Galveston-Houston Breweries, Inc., Galveston, Tex. Root-beer. 148,715; renewed Nov. 22, 1941.
Southland Wine Corporation, Richmond, Va. Wines. 389,700; Aug. 19; Serial No. 439,782; published June 10, 1941. Class 47.
Spira, Andrew, doing business as Spira & Co., New York, N. Y. Canned fruits, vegetables, fish, vinegar, raisins, etc. 389,685; Aug. 19; Serial No. 436,633; published Apr. 1, 1941. Class 46.
Squibb, E. R., & Sons, New York, N. Y. Estrogenic preparations. 389,738; Aug. 19; Serial No. 441,791; published May 6, 1941. Class 6.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 389,759; Aug. 19; Serial No. 442,078; published June 10, 1941. Class 39.
Stewart Hog Ring Company, Paris, Ill. Nose-rings for animals. 144,479; renewed July 5, 1941.
Stewart-Warner Corporation. (See Bassick Manufacturing Co., assignor.)
Strauch, Ella M., Denver, Colo. Salad dressing. 389,774; Aug. 19; Serial No. 442,290; published June 10, 1941. Class 46.
Sun Import Co., Inc., New York, N. Y. Slide fasteners. 389,741; Aug. 19; Serial No. 441,884; published June 10, 1941. Class 13.
3 Beall Brothers 3, Jacksonville, Tex. Sheets, sheeting, and pillow cases. 389,681; Aug. 19; Serial No. 433,037; published June 10, 1941. Class 42.
Tipstik Cosmetics. (See Ever-Dry Corporation.)
Titan Co. A/S., Christiania, to Titan Co. A/S., Fredrikstad, Norway. Paint-pigments and paints containing titanium or a compound thereof. 144,954; renewed July 19, 1941.
Treinis Brothers, Inc., Brooklyn, N. Y. Knitted bags. 389,806; Aug. 19; Serial No. 442,739; published June 10, 1941. Class 2.
Triple "E" Products Co., St. Louis, Mo. Pencil sharpener. 389,834; Aug. 19. Class 23.
Trommer, John F., Inc., Brooklyn, N. Y. Beer. 389,827; Aug. 19. Class 48.
United Music Company, Inc., New York, N. Y. Musical instruments, supplies, and accessories, etc. 389,703; Aug. 19; Serial No. 440,076; published June 10, 1941. Class 36.
U. S. Industrial Chemical Co., Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Fertilizers. 149,532; renewed Dec. 13, 1941.
U. S. Industrial Alcohol Co., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Ethyl alcohol. 150,148; renewed Dec. 27, 1941.
Universal Tobacco Machine Co., New York, N. Y., assignor, by mesne assignments, to International Cigar Machinery Company, Jersey City, N. J. Tobacco-working machinery. 148,954; renewed Nov. 29, 1941.
Ventura Coastal Lemon Company, Ventura, Calif. Lemons. 389,727–8; Aug. 19; Serial Nos. 441,651–2; published June 10, 1941. Class 46.
Vita-Var Corporation. (See Goheen Corporation, assignor.)
Vulcanite Roofing Company, The, Wilmington, Del., and Buffalo, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y. Shingles, roofing-tile, roofing-slabs, etc. 145,851; renewed Aug. 16, 1941.
Warren, S. D., Company, Boston, Mass. Printing-paper. 148,305; renewed Nov. 8, 1941.
Western Auto Supply Company, Kansas City, Mo. Filtering unit or cartridge for automobiles, or other internal combustion engines. 389,801; Aug. 19; Serial No. 442,616; published June 10, 1941. Class 23.
Westinghouse X-ray Company, Inc., Long Island City, N. Y., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Apparatus employed for the purpose of making radiographic and fluoroscopic diagnostic examinations. 389,687; Aug. 19; Serial No. 437,393; published June 10, 1941. Class 44.
Whiting Paper Company, Holyoke, Mass. Index and bristol boards. 150,173; renewed Dec. 27, 1941.
Wildroot Co. Inc., Buffalo, N. Y. Shampoo. 150,178; renewed Dec. 27, 1941.
Williams Radiator Co., Los Angeles, Calif. Gas space heaters. 389,841; Aug. 19. Class 34.
Williams-Richardson Company, Ltd., New Orleans, La. Cotton piece goods. 149,293; renewed Dec. 6, 1941.
Windsor, William R. C., doing business as Arcy Mfg. Co., New York, N. Y. Asbestos packing for stuffing boxes. 389,810; Aug. 19; Serial No. 442,815; published June 10, 1941. Class 35.
Winslow Engineering Co., Oakland, Calif. Oil purifiers, air purifiers, oil conditioners, oil filters and parts thereof. 389,844; Aug. 19. Class 31.
Wojnowski, Stephen, doing business as Rain-O-Shine Chemical Company, Highland Park, Mich. Oil paint. 389,707; Aug. 19; Serial No. 440,300; published June 10, 1941. Class 16.
Woodworth, Claudius C., Lodi, Calif. Fresh deciduous fruits. 144,499; renewed July 5, 1941.
Yim, Yee B., doing business as Yee Dai Chee, San Francisco, Calif. Liniment for relief of pain from rheumatism. 389,725; Aug. 19; Serial No. 441,596; published June 10, 1941. Class 6.
Zastrow, Albert H., Grants Pass, Oreg. Liquid preparation for dandruff, scalp scale and itchy scalp. 389,760; Aug. 19; Serial No. 442,082; published May 6, 1941. Class 6.
Zenith Radio Corporation, Chicago, Ill. Sound record making and playing and talking machines, etc. 389,790; Aug. 19; Serial No. 442,473; published June 10, 1941. Class 36.
Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 389,791; Aug. 19; Serial No. 442,472; published June 10, 1941. Class 21.
Zenith Radio Corporation, Chicago, Ill. Sound record making and playing talking machines, and sound records and blanks therefor. 389,792; Aug. 19; Serial No. 442,475; published June 10, 1941. Class 36.
Ziff-Davis Publishing Company, Chicago, Ill. Periodical. 389,839; Aug. 19.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Live foxes and fox pelts. T. M. Dix. 389,769; Aug. 19; Serial No. 442,190; published June 10, 1941.

CLASS 2

Bags, Cellulose film, glassine, or paper. Oneida Paper Products, Inc. 389,817; Aug. 19; Serial No. 442,874; published June 10, 1941.
Bags, Knitted. Treinis Brothers, Inc. 389,806; Aug. 19; Serial No. 442,739; published June 10, 1941.
Bags, Paper. Benj. C. Betner. 389,688; Aug. 19. Serial No. 437,402; published June 10, 1941.
Containers. Associated Box Corporation. 389,829; Aug. 19.
Filing boxes. Eastman Kodak Company. 389,813; Aug. 19; Serial No. 442,830; published June 10, 1941.

Fur skins and dyed fur skins, Dressed. Sealco Inc. 389,756; Aug. 19; Serial No. 442,052; published June 10, 1941.
Rug containers, Cardboard, fiberboard, plywood, etc. D. Rosenbaum. 389,805; Aug. 19; Serial No. 442,725; published June 10, 1941.
Seeds, Field and garden. Clayton Anderson & Co. 389,767; Aug. 19; Serial No. 442,183; published June 10, 1941.

CLASS 3

Handbags and pocketbooks. H. A. Adams & Co. 389,824; Aug. 19; Serial No. 443,063; published June 10, 1941.
Horse shoes and horseshoe calks. Bryden Horse Shoe Co. 149,645; renewed Dec. 20, 1941.

CLASS 4

Cleaner. Golden Wax Cleanser Company. 389,744; Aug. 19; Serial No. 441,908; published June 10, 1941.
Cleaning compound. Golden Wax Cleanser Company. 389,743; Aug. 19; Serial No. 441,907; published June 10, 1941.
Detergents. Finger Lakes Chemical Company. 389,843; Aug. 19.
Metal polish, Liquid. Golden Wax Cleanser Company. 389,742; Aug. 19; Serial No. 441,906; published June 10, 1941.
Polishing cloths. Haag Laboratories, Inc. 389,714; Aug. 19; Serial No. 441,162; published June 10, 1941.
Shaving cream, Brushless. F. E. Everson. 389,740; Aug. 19; Serial No. 441,862; published June 10, 1941.
Steel wool. American Steel Wool Mfg. Co. Inc. 389,787–8; Aug. 19; Serial Nos. 442,439–40; published June 10, 1941.

CLASS 6

Bubble bath preparation, Foot. Bellin's Wonderstoen Co. 389,768; Aug. 19; Serial No. 442,185; published June 3, 1941.
Chemical adhesive composition for mending broken nails. Revlon Products Corporation. 389,835; Aug. 19.
Chemical agent for removing deposits of asphalt, wax, etc. Petrolite Corporation, Ltd. 389,823; Aug. 19; Serial No. 443,013; published June 3, 1941.
Chemical for preservation of eggs. A. Gruenfeld. 389,814; Aug. 19; Serial No. 442,845; published June 3, 1941.
Cleansing and polishing base, Non-abrasive absorbent. Cell-U-Base Corporation. 143,069; renewed May 24, 1941.
Composition for preventing incrustation, etc. Freers Chemical Works, Ltd. 389,816; Aug. 19; Serial No. 442,866; published June 3, 1941.
Compound used in the finishing of textile fabrics, etc. J. Bendix. 389,822; Aug. 19; Serial No. 442,984; published June 3, 1941.
Deodorant, Under arm and body liquid spray. Madelaine, Inc. 389,695; Aug. 19; Serial No. 439,234; published Apr. 1, 1941.
Decoction of willow and cherry for the treatment of dysentery, etc. Capitol Medicine Company. 389,783; Aug. 19; Serial No. 442,387; published June 10, 1941.
Dyestuffs. Geigy Company. 149,067; renewed Dec. 6, 1941.
Estrogenic preparations. E. R. Squibb & Sons. 389,738; Aug. 19; Serial No. 441,791; published May 6, 1941.
Face-powders, face-creams, face-powder compacts, and perfumes. J. J. Rodriguez. 147,022; renewed Sept. 27, 1941.
Fire-extinguishing compounds. Foamite Firefoam Company. 148,650; renewed Nov. 22, 1941.
Hair tonic. A. Di Frances. 389,819; Aug. 19; Serial No. 442,933; published June 3, 1941.
Herb medicine. J. J. Kelley. 389,730; Aug. 19; Serial No. 441,704; published June 10, 1941.
Insecticide. L. A. Christman. 389,689; Aug. 19; Serial No. 437,502; published May 27, 1941.
Insecticides, Garden. Doggett-Pfeil Company. 389,670; Aug. 19; Serial No. 413,437; published Apr. 30, 1941.
Laxative preparation. Price Flavoring Extract Co. 389,808; Aug. 19; Serial No. 442,800; published June 3, 1941.
Liniment for the relief of pain from rheumatism. Y. W. Yim. 389,725; Aug. 19; Serial No. 441,596; published June 10, 1941.
Lipsticks and lip rouge. Ever-Dry Corporation. 389,838; Aug. 19.
Liver extract. Nion Corporation. 389,726; Aug. 19; Serial No. 441,623; published June 3, 1941.
Medicinal compound used in the treatment of poultry. W. O. Atkins. 389,697; Aug. 19; Serial No. 439,614; published Feb. 25, 1941.
Medicinal preparation. Chemische Fabrik Vormals Sandoz. 149,877; renewed Dec. 27, 1941.
Medicinal preparation. Reserve Research Company. 389,778; Aug. 19; Serial No. 442,334; published June 10, 1941.
Medicinal skin ointment. Drug Products Co., Inc. 389,721; Aug. 19; Serial No. 441,505; published June 10, 1941.
Medicinal preparation. K. Mallard. 389,677–8; Aug. 19; Serial Nos. 429,120–1; published May 21, 1940.
Mice exterminator. R. H. Harkins. 389,779; Aug. 19; Serial No. 442,358; published June 10, 1941.
Perfumes. Helena Rubinstein, Inc. 389,809; Aug. 19; Serial No. 442,803; published Aug. 19, 1941.
Pharmaceutical preparation. Amfre Drug Co. Inc. 389,784; Aug. 19; Serial No. 442,405; published June 10, 1941.
Powdered compound for use in exterminating lice. Neville & Everett. 389,748; Aug. 19; Serial No. 441,977; published June 10, 1941.
Preparation consisting of a combination of bile acids, etc. Endo Products Inc. 389,772; Aug. 19; Serial No. 442,256; published June 3, 1941.
Preparation consisting of a subspension of magnesium trisilicate, and aluminum hydroxide. Endo Products Inc. 389,770; Aug. 19; Serial No. 442,254; published June 3, 1941.
Preparation consisting of water soluble dehydrochloric acid compound. Endo Products Inc. 389,771; Aug. 19; Serial No. 442,255; published June 3, 1941.
Preparation for dandruff, scalp scale and itchy scalp, Liquid. A. H. Zastrow. 389,760; Aug. 19; Serial No. 442,082; published May 6, 1941.
Preparation for intravenous injection. Protozyme Laboratories, Inc. 389,698; Aug. 19; Serial No. 439,630; published June 10, 1941.
Preparation for the treatment of athlete's foot or other infections. A. W. Ross. 389,716; Aug. 19; Serial No. 441,375; published June 10, 1941.
Preparation for the treatment of dysentery, bronchial affection, heart ailments, etc. I. Conway. 389,731; Aug. 19; Serial No. 441,727; published June 10, 1941.
Preparation used in the treatment of coughs, etc. G. Bernardi. 389,735; Aug. 19; Serial No. 441,757; published June 3, 1941.
Rouge, lipstick, sachet, etc. Babs Creations, Inc. 389,751; Aug. 19; Serial No. 441,991; published June 10, 1941.
Salicylic-acid ester of salicylic acid. Rare Chemicals, Inc. 389,705; Aug. 19; Serial No. 440,174; published June 10, 1941.
Saponaceous admixture of hydrocarbons. E. J. O'Reilly. 389,807; Aug. 19; Serial No. 442,797; published June 3, 1941.
Shampoo. Procter & Gamble Company. 389,815; Aug. 19; Serial No. 442,852; published June 10, 1941.
Shampoo. Wildroot Co. Inc. 150,178; renewed Dec. 27, 1941.
Soldering and tinning flux. Ruby Chemical Company. 389,733; Aug. 19; Serial No. 441,747; published June 3, 1941.
Sun lotion. L. Bamberger & Co. 389,818; Aug. 19; Serial No. 442,889; published June 3, 1941.
Tonic. Smith, Kline & French Laboratories. 389,750; Aug. 19; Serial No. 441,980; published June 10, 1941.
Vitamin product. Penslar Company. 389,763; Aug. 19. Serial No. 442,139; published June 3, 1941.

CLASS 7

Twine and cordage. M. J. Grady Company. 147,103; renewed Oct. 4, 1941.

CLASS 8

Cigar holder. T. R. Schlitz. 389,780; Aug. 19; Serial No. 442,370; published June 10, 1941.

CLASS 9

Stemming wads adapted to stemming and sealing in the powder charge in a blast hole. California Cotton Mills Company. 389,709; Aug. 19; Serial No. 440,576; published June 10, 1941.

CLASS 10

Fertilizers. U. S. Industrial Chemical Co. 149,532; renewed Dec. 13, 1941.

CLASS 11

Writing ink. Parker Pen Company. 389,786; Aug. 19; Serial No. 442,426; published June 17, 1941.

CLASS 12

Hardening liquid for treating concrete floors. Goheen Corporation. 144,400; renewed July 5, 1941.
Shingles, roofing-tile, roofing-slabs, etc. Vulcanite Roofing Company. 145,851; renewed Aug. 16, 1941.
Wall-board and building-paper.. Emerson Carey Fibre Products Company. 145,090; renewed July 26, 1941.

CLASS 13

Horseshoe-nails, Cold-rolled. Fowler & Union Horse Nail Company. 149,062–3; renewed Dec. 6, 1941.
Lock nuts. H. C. Abell. 389,671; Aug. 19; Serial No. 417,195; published June 10, 1941.
Nose-rings for animals. Stewart Hog Ring Company. 144,479; renewed July 5, 1941.
Slide fasteners. Sun Import Co. 389,741; Aug. 19; Serial No. 441,884; published June 10, 1941.

CLASS 14

Ferro-aluminum manganese alloys. Ohio Ferro-Alloys Corporation. 389,799; Aug. 19; Serial No. 442,600; published June 10, 1941.

CLASS 16

Oil paint. S. Wojnowski. 389,707; Aug. 19; Serial No. 440,300; published June 10, 1941.

Paint for hot surfaces, Ready-mixed. Goheen Corporation. 148,053; renewed Nov. 8, 1941.
Paint in paste form. Guardswell Paint Mfg. Co. 389,758; Aug. 19; Serial No. 442,064; published June 10, 1941.
Paint-pigments and paints containing titanium or a compound thereof. Titan Co. A/S. 144,954; renewed July 19, 1941.
Paints, Dry, paste, and ready-mixed. Goheen Corporation. 144,777; renewed July 19, 1941.
Paints in oil, enamels, varnishes, waterproof coatings, etc., Mixed. Beaver Varnish Co. 146,686; renewed Sept. 20, 1941.
Paints, paint enamels, and lacquers, Dry and ready mixed. Patterson-Sargent Company. 389,845; Aug. 19.
Paints, Ready-mixed. Seattle Paint Company. 145,810; renewed Aug. 16, 1941.

CLASS 17

Smoking and chewing tobacco, and cigarettes. Larus & Brother Company. 389,828; Aug. 19.

CLASS 19

Brakes and parts thereof. New Hudson Limited. 389,754; Aug. 19; Serial No. 442,013; published June 10, 1941.

CLASS 21

Apparatus and equipment for energizing a fence wire electrically. Babson Bros. Co. 389,803; Aug. 19; Serial No. 442,684; published June 10, 1941.
Battery-jars. B. F. Goodrich Company. 144,575; renewed July 12, 1941.
Conduit and duct and asbestos cement couplings and fittings, Asbestos cement. Keasbey & Mattison Company. 389,672; Aug. 19; Serial No. 420,865; published Aug. 22, 1939.
Electric dishwashers. Edison General Electric Appliance Company. 389,776; Aug. 19; Serial No. 442,314; published June 10, 1941.
Electric light fixtures. Loumac Mfg. Co. Inc. 389,696; Aug. 19; Serial No. 439,601; published June 10, 1941.
Electric lighting fixtures, and component parts thereof. National Fire Door and Copper Store Front Company. 389,840; Aug. 19.
Electric table broilers and grills. Finders Manufacturing Co. 389,692; Aug. 19; Serial No. 438,535; published June 10, 1941.
Electric vacuum cleaners. Black and Decker Manufacturing Company. 389,782; Aug. 19; Serial No. 442,386; published June 10, 1941.
Radio and television receiving sets and parts therefor. Zenith Radio Corporation. 389,791; Aug. 19; Serial No. 442,472; published June 10, 1941.

CLASS 22

Baseball-bats. Hillerich & Bradsby Company. 146,767; renewed Sept. 20, 1941.
Game board. Milton Bradley Company. 389,796–7; Aug. 19; Serial Nos. 442,547–8; published June 10, 1941.
Games of skill and games played with movable pieces. G. Madieu. 389,669; Aug. 19; Serial No. 396,643; published June 10, 1941.

CLASS 23

Binders, cultivators, fertilizer distributers, etc. B. F. Avery & Sons Company. 389,785; Aug. 19; Serial No. 442,406; published June 10, 1941.
Control devices for attachment to carburetters of internal combustion engines, Automatic decelerating. California Machinery & Supply Co. 389,822; Aug. 19.
Conveyers and conveying machinery and parts thereof. Alvey-Ferguson Company. 149,336; renewed Dec. 13, 1941.
Cutting elements for machine tools, and drawing blocks, thread guides and nozzles. Deutche Gold-und Silber-Scheideanstalt vormals Roessler. 389,675; Aug. 19; Serial No. 426,881; published June 10, 1941.
Filtering unit or cartridge. Western Auto Supply Company. 389,801; Aug. 19; Serial No. 442,616; published June 10, 1941.
Fire-extinguishers, Hand-operated, portable, or stationary. Foamite Firefoam Company. 148,027; renewed Nov. 8, 1941.
Hack saw blades. Capewell Manufacturing Company. 389,715; Aug. 19; Serial No. 441,230; published June 10, 1941.
Hack saw blades. Capewell Manufacturing Company. 389,739; Aug. 19; Serial No. 441,807; published June 10, 1941.
Jewelers' instruments. H. Schafran. 389,800; Aug. 19; Serial No. 442,605; published June 10, 1941.
Lubricating apparatus, Certain. Bassick Manufacturing Co. 148,635; renewed Nov. 22, 1941.
Ophthalmic machinery comprising lens grinding machines, etc. Simonds Machine Company. 389,718; Aug. 19; Serial No. 441,417; published June 10, 1941.
Pencil sharpener. Triple "E" Products Co. 389,834; Aug. 19.
Stirring, mixing, and beating apparatus. Edward Katzinger Company. 389,833; Aug. 19.
Tobacco-working machinery. Universal Tobacco Machine Co. 148,954; renewed Nov. 29, 1941.
Waffle lifter. Santiam Mfg. Company. 389,789; Aug. 19; Serial No. 442,465; published June 10, 1941.

CLASS 24

Laundry washing machines, ironing machines, and dryers. Edison General Electric Appliance Company. 389,775; Aug. 19; Serial No. 442,313; published June 10, 1941.

CLASS 26

Ophthalmic mountings. Bausch & Lomb Optical Company. 389,795; Aug. 19; Serial No. 442,545; published June 10, 1941.

CLASS 27

Watches, watch cases, watch parts, etc. Invicta-Seeland, Incorporated. 389,766; Aug. 19; Serial No. 442,172; published June 10, 1941.

CLASS 31

Automatic electric refrigerator defroster. Modern Products, Inc. 389,701; Aug. 19; Serial No. 439,824; published June 10, 1941.
Filters. American Air Filter Company, Inc. 389,686; Aug. 19; Serial No. 436,830; published June 10, 1941.
Oil purifiers, air purifiers, oil conditioners, etc. Winslow Engineering Co. 389,844; Aug. 19.

CLASS 32

Desks. Gunn Furniture Company. 149,936; renewed Dec. 27, 1941.
Furniture, Bedroom, dining room, living room, etc. Kaplan Furniture Company. 389,679; Aug. 19; Serial No. 430,428; published June 10, 1941.
Mattresses, studio couches, and upholstered furniture. Dixie Bedding Company, Inc. 389,708; Aug. 19; Serial No. 440,499; published June 10, 1941.
Spring filled units for mattresses and upholstery units. Nachman Springfilled Corporation. 389,825; Aug. 19; Serial No. 443,089; published June 10, 1941.

CLASS 34

Heaters, Gas space. Williams Radiator Co. 389,841; Aug. 19.

CLASS 35

Asbestos packing. W. R. C. Windsor. 389,810; Aug. 19; Serial No. 442,815; published June 10, 1941.
Hose made of rubber reinforced with fabric. B. F. Goodrich Company. 144,781; renewed July 19, 1941.
Pump-valves. B. F. Goodrich Company. 144,402; renewed July 5, 1941.
Tires, tubes, patches, etc. B. F. Goodrich Company. 144,782; renewed July 19, 1941.
Valves, belting, hose, packings, tires, etc. B. F. Goodrich Company. 144,401; renewed July 5, 1941.

CLASS 36

Musical instruments, supplies, and accessories, etc. United Music Company, Inc. 389,703; Aug. 19; Serial No. 440,076; published June 10, 1941.
Phonographs. T. R. Gillenwaters. 389,777; Aug. 19; Serial No. 442,318; published June 10, 1941.
Reeds and mouthpieces for musical instruments. M. Maccaferri. 389,804; Aug. 19; Serial No. 442,715; published June 10, 1941.
Sound record making and playing and talking machines, etc. Zenith Radio Corporation. 389,790; Aug. 19; Serial No. 442,473; published June 10, 1941.
Sound record making and playing talking machines, and sound records and blanks therefor. Zenith Radio Corporation. 389,792; Aug. 19; Serial No. 442,475; published June 10, 1941.

CLASS 37

Bands made of rubber, Stationers'. B. F. Goodrich Company. 145,102; renewed July 26, 1941.
Index and bristol boards. Whiting Paper Company. 150,173; renewed Dec. 27, 1941.
Merchandise tags. Goldsmith Bros. 389,764; Aug. 19; Serial No. 442,166; published June 10, 1941.
Printing-paper. S. D. Warren Company. 148,305; renewed Nov. 8, 1941.
Shipping tags. Goldsmith Bros. 389,765; Aug. 19; Serial No. 442,168; published June 10, 1941.
Writing instruction devices. C. P. Lawrence. 389,680; Aug. 19; Serial No. 431,311; published June 10, 1941.
Writing sheets interleaved with carbon sheets. Autographic Register Company. 389,781; Aug. 19; Serial No. 442,385; published June 10, 1941.

CLASS 38

Magazine, Monthly. International Magazine Company. 149,119; renewed Dec. 6, 1941.
Monthly periodical. H. O. Reno Company. 144,043; renewed June 21, 1941.
Periodical. Ziff-Davis Publishing Company. 389,839; Aug. 19.

CLASS 39

Aprons, smocks, housecoats, etc. Levin & Co. 389,802; Aug. 19; Serial No. 442,664; published June 10, 1941.
Belts. McMullen-Leavens Company. 389,753; Aug. 19; Serial No. 442,012; published June 3, 1941.
Boots. Goodall Rubber Company. 389,712; Aug. 19; Serial No. 441,090; published June 3, 1941.
Boots and shoes. S. Goldberg & Co. Inc. 389,747; Aug. 19; Serial No. 441,958; published June 10, 1941.

Brassières, bandeaux, and foundation garments. Snug-Fit Foundations Inc. 389,674; Aug. 19; Serial No. 425,031; published June 10, 1941.
Coats, capes, boleros, etc. C. J. Gordon Company. 389,736; Aug. 19; Serial No. 441,768; published June 3, 1941.
Coats, jackets, and vests, ski suits, etc. Dressaver Company. 389,711; Aug. 19; Serial No. 441,087; published June 10, 1941.
Coats, vests, trousers, etc. P. Feinstein & Sons. 389,732; Aug. 19; Serial No. 441,729; published June 3, 1941.
Collars. Rogers Peet Company. 389,723; Aug. 19; Serial No. 441,521; published June 3, 1941.
Dresses. Belmar Fashions, Inc. 389,761; Aug. 19; Serial No. 442,097; published June 10, 1941.
Dresses. R. H. Macy & Co. 389,752; Aug. 19; Serial No. 442,011; published June 10, 1941.
Dresses, gowns, dressing gowns, etc. Elsa Schiaparelli Inc. 389,717; Aug. 19; Serial No. 441,376; published June 10, 1941.
Hair-nets. S. Blechman & Sons, Inc. 149,846; renewed Dec. 27, 1941.
Hats. Associated Retail Millinery, Inc. 389,724; Aug. 19; Serial No. 441,561; published June 3, 1941.
Hats and caps. John B. Stetson Company. 389,759; Aug. 19; Serial No. 442,078; published June 10, 1941.
Hoods, hats, collars, etc., Ladies', misses', and children's. Crysler Products Corp. 389,710; Aug. 19; Serial No. 440,805; published June 3, 1941.
Housecoats, Ladies' and misses'. Elias Sayour Co. Inc. 389,699; Aug. 19; Serial No. 439,667; published June 10, 1941.
Housecoats, pajamas, and negligees. David Friedman, Inc. 389,793; Aug. 19; Serial No. 442,525; published June 10, 1941.
Hosiery. Chas. Chipman's Sons Co. 389,702; Aug. 19; Serial No. 439,887; published June 3, 1941.
Infants' wear. Lorraine Mfg. Co. 389,729; Aug. 19; Serial No. 441,676; published June 10, 1941.
Ladies' pocket handkerchiefs. Hurdus, Acker and Hirsch. 389,706; Aug. 19; Serial No. 440,249; published June 10, 1941.
Neckties and mufflers. McCurrach Organization Incorporated. 389,773; Aug. 19; Serial No. 442,269; published June 10, 1941.
Nurses', beauticians', waitresses' uniforms, and for princess slips, chemise, bloomers, and step-ins. I. Schneierson & Sons, Inc. 389,683; Aug. 19; Serial No. 435,954; published June 10, 1941.
Pajamas. Boston Knitting Mills, Inc. 389,745; Aug. 19; Serial No. 441,942; published June 10, 1941.
Shirts and caps, Outer. Phelps-Terkel, Inc. 389,737; Aug. 19; Serial No. 441,782; published June 3, 1941.
Shoes. Craddock-Terry Shoe Corporation. 389,762; Aug. 19; Serial No. 442,110; published June 3, 1941.
Socks. H. Hefter. 389,836; Aug. 19.
Sportswear. Jack Liss Corporation. 389,722; Aug. 19; Serial No. 441,515; published June 10, 1941.
Sportswear. B. Lowenstein & Bros., Inc. 389,719; Aug. 19; Serial No. 441,438; published June 3, 1941.
Underwear and hosiery. Allen A Company. 389,826; Aug. 19; Serial No. 443,103; published June 3, 1941.

CLASS 40

Curlers, Mechanical non-electrical hair. Hayes-Donahe Manufacturing Co. 389,691; Aug. 19; Serial No. 437,821; published Jan. 21, 1941.

CLASS 42

Cotton goods in the piece. Lonsdale Company. 145,403; renewed Aug. 2, 1941.
Cotton goods in the piece. Lonsdale Company. 148,144; renewed Nov. 8, 1941.
Crib sheets. Boston Leather Specialties Inc. 389,684; Aug. 19; Serial No. 436,540; published June 10, 1941.
Linings for clothing. William Skinner & Sons. 389,720; Aug. 19; Serial No. 441,489; published May 20, 1941.
Piece goods, Cotton. Williams-Richardson Company. 149,293; renewed Dec. 6, 1941.
Piece goods, suitings, and overcoating, Woolen. F. C. Huyck & Sons. 149,954; renewed Dec. 27, 1941.
Piece goods, Woolen. Forstmann & Huffmann. 144,767; renewed July 19, 1941.
Piece goods, Woolen. Forstmann & Huffmann Company. 146,093; renewed Aug. 30, 1941.
Piece goods, Woolen. Forstmann & Huffmann. 146,097; renewed Aug. 30, 1941.
Piece goods, Woolen. Forstmann Woolen Co. 389,820; Aug. 19; Serial No. 442,953; published June 10, 1941.
Rugs. Amsterdam Textiles. 389,811–12; Aug. 19; Serial Nos. 442,819–20; published June 10, 1941.
Rugs, blankets, couch-and bed covers, etc. F. C. Huyck & Sons. 149,409; renewed Dec. 13, 1941.
Sheets, sheeting, and pillow cases. 3 Beall Brothers 3. 389,681; Aug. 19; Serial No. 433,037; published June 10, 1941.
Towels. Charles Schwartz & Co. 389,821; Aug. 19; Serial No. 442,980; published June 10, 1941.

CLASS 43

Yarn, Machine woolen and worsted knitting. Botany Worsted Mills. 389,757; Aug. 19; Serial No. 442,056; published June 3, 1941.

CLASS 44

Apparatus employed for the purpose of making radiographic and fluoroscopic diagnostic examinations. Westinghouse X-ray Company, Inc. 389,687; Aug. 19; Serial No. 437,393; published June 10, 1941.
Dental rubber, dental dam, bulbs for dental use, and plaster-bowls. Atlantic Rubber Manufacturing Corporation. 148,783; renewed Nov. 29, 1941.
Tooth cleaner and polisher. R. J. Healy. 389,830; Aug. 19.

CLASS 45

Beverages and syrups and concentrates from which such soft drinks are made, Nonalcoholic, noncereal, maltless. Citrus Products Company. 389,676; Aug. 19; Serial No. 426,974; published Feb. 27, 1940.
Carbonated, non-alcoholic, noncereal, maltless beverages. Seminole Flavor Company. 389,682; Aug. 19; Serial No. 433,993; published June 10, 1941.
Maltless beverage, Nonalcoholic. New York Extract Co. 389,837; Aug. 19.
Root-beer. Southern Beverage Company. 148,715; renewed Nov. 22, 1941.

CLASS 46

Biscuit, crackers, and cake. National Biscuit Company. 149,707; renewed Dec. 20, 1941.
Bread, cake, doughnuts. Nashua Baking Co. 389,673; Aug. 19; Serial No. 421,810; published June 10, 1941.
Candy bars. Bordo Products. 389,693; Aug. 19; Serial No. 438,645; published June 10, 1941.
Canned fruits, vegetables, fish, vinegar, raisins, etc. A. Spira. 389,685; Aug. 19; Serial No. 436,633; published Apr. 1, 1941.
Canned vegetables. Gaston Canning Co. 389,746; Aug. 19; Serial No. 441,957; published June 10, 1941.
Cheese. Ryser Bros. 389,734; Aug. 19; Serial No. 441,749; published June 10, 1941.
Chocolate candy. Dilling & Company. 144,742; renewed July 19, 1941.
Chocolate flavored fudge powder for use in making ice cream. C. M. Pitt & Sons Co. 389,831; Aug. 19.
Citrus fruits, Fresh. Chester C. Fosgate Co. 148,030; renewed Nov. 8, 1941.
Dairy products. L. S. Heath & Sons. 389,755; Aug. 19; Serial No. 442,038; published June 10, 1941.
Dairy, stock, and poultry mixed feeds. Champion Milling & Grain Company. 147,761; renewed Nov. 1, 1941.
Flour, Wheat. Red Star Milling Company. 149,210; renewed Dec. 6, 1941.
Flour, Wheat. Great West Mill & Elevator Co. 149,393; renewed Dec. 13, 1941.
Flour, Wheat. Mayflower Mills. 149,451; renewed Dec. 13, 1941.
Food preparation. Meletio Sea Food Co. 389,794; Aug. 19; Serial No. 442,535; published June 10, 1941.
Fresh citrus fruit. San Fernando Citrus Association. 389,749; Aug. 19; Serial No. 441,979; published June 10, 1941.
Fruits, Fresh deciduous. C. C. Woodworth. 144,499; renewed July 5, 1941.
Ice cream. Kerr Ice Cream Company. 389,798; Aug. 19; Serial No. 442,558; published June 10, 1941.
Lemons. Ventura Coastal Lemon Company. 389,727–8; Aug. 19; Serial Nos. 441,651–2; published June 10, 1941.
Pork sausage seasoning made of spices and other ingredients. Meat Industries Laboratory, Inc. 389,842; Aug. 19.
Potato chips. Famous Foods, Inc. 389,694; Aug. 19; Serial No. 439,158; published June 10, 1941.
Preparation of the casein of milk used to increase the protein of diets. Mead Johnson & Company. 149,683; renewed Dec. 20, 1941.
Salad dressing. E. M. Stranch. 389,774; Aug. 19; Serial No. 442,290; published June 10, 1941.
Wheat germ and wheat flour. Kansas Milling Company. 389,704; Aug. 19; Serial No. 440,096; published May 27, 1941.

CLASS 47

Wines. Southland Wine Corporation. 389,700; Aug. 19; Serial No. 439,782; published June 10, 1941.

CLASS 48

Beer. John F. Trommer, Inc. 389,827; Aug. 19.

CLASS 49

Ethyl alcohol. U. S. Industrial Alcohol Co. 150,148; renewed Dec. 27, 1941.

CLASS 50

Brooders, Electric. Anderson Box Company. 389,713; Aug. 19; Serial No. 441,150; published June 10, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF AUGUST, 1941

NOTE.---Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anthony, David S., San Antonio, Tex. Tool holder. Re. 21,877; Aug. 19.

Benoit, Leon. (See Sherman, Francis H., assignor.)

Bradshaw, Robert S., Jr., et al. (See Jacobson, James H., assignor.)

Chambers, Cal C., et al. (See Jacobson, James H., assignor.)

Foster Wheeler Corporation. (See Frisch, Martin, assignor.)

Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Method and apparatus for combustion. Re. 21,878; Aug. 19.

General Controls Co. (See Ray, William A. and C. R., assignors.)

Gilpin, Garth G., Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Refrigerator car. Re. 21,879; Aug. 19.

Jacobson, James H., Evanston, Ill., assignor to C. C. Chambers and R. S. Bradshaw, Jr., St. Louis, Mo. Road joint. Re. 21,880; Aug. 19.

Ray, Charles R. (See Ray, William A. and C. R.)

Ray, William A., Glendale, and C. R. Ray, San Francisco, Calif., assignors to General Controls Co. Solenoid construction. Re. 21,881; Aug. 19.

Sharples Corporation, The. (See Sharples, Laurence P., assignor.)

Sharples, Laurence P., Ardmore, Pa., assignor to The Sharples Corporation. Centrifugal separator. Re. 21,882; Aug. 19.

Sherman, Francis H., Palmer, Mass., assignor, by mesne assignments, to L. Benoit, New York, N. Y. Filler for cartons or other containers. Re. 21,883; Aug. 19.

Standard Railway Equipment Manufacturing Company. (See Gilpin, Garth G., assignor.)

LIST OF DESIGN PATENTEES

Adams, George E., Catawissa, Pa. Cabinet-type embalming apparatus. 128,950; Aug. 19.

Alter, Harry, Co., The. (See Schaefer, Harold W., assignor.)

American Fabrics Company, The. (See Juestrich, Max U., assignor.)

Art Metal Company. (See Hrabak, Robert A., assignor.)

Asteroff, Leah, New York, N. Y. Dress ensemble. 129,056; Aug. 19.

Bartle, Henry M., Santa Rosa, Calif. Game board. 128,951; Aug. 19.

Bensi, Jean, New York, N. Y. Dress. 129,013; Aug. 19.

Bensi, Jean, New York, N. Y. Dress. 129,014; Aug. 19.

Bensi, Jean, New York, N. Y. Dress. 129,095; Aug. 19.

Black and Decker Manufacturing Company, The. (See Wilhide, Glenn C., assignor.)

Bramucci, Mario G., and V. Pellicone, Los Angeles, Calif. Hat stiffener. 129,002; Aug. 19.

Brogan, Frank C., Larchmont, N. Y. Dress ensemble. 129,057; Aug. 19.

Brunswick-Balke-Collender Company, The. (See Cloutier, Ellery J., assignor.)

Buchholz, Israel, New York, N. Y. Dress. 129,015; Aug. 19.

Buchholz, Israel, New York, N. Y. Dress ensemble. 129,016; Aug. 19.

Buchholz, Israel, New York, N. Y. Dress. 129,017; Aug. 19.

Buchholz, Israel, New York, N. Y. Dress. 129,018; Aug. 19.

Buchholz, Israel, New York, N. Y. Dress. 129,058; Aug. 19.

Buchholz, Israel, New York, N. Y. Dress. 129,059; Aug. 19.

Buchholz, Israel, New York, N. Y. Dress. 129,060; Aug. 19.

Buchholz, Israel, New York, N. Y. Dress. 129,061; Aug. 19.

Buchholz, Israel, New York, N. Y. Dress. 129,096; Aug. 19.

Buchholz, Israel, New York, N. Y. Dress. 129,097; Aug. 19.

Campbell, Walter L., Milton, Mass. Brooch or similar article. 128,973; Aug. 19.

Carl-Art, Inc. (See Regelmann, Fritz, assignor.)

Cashin, Bonnie, New York, N. Y. Dress. 129,003; Aug. 19.

Cashin, Bonnie, New York, N. Y. Dress. 129,024; Aug. 19.

Charles, Camille, New York, N. Y. Dress. 129,062; Aug. 19.

Charles, Camille, New York, N. Y. Dress. 129,063; Aug. 19.

Charles, Camille, New York, N. Y. Dress. 129,064; Aug. 19.

Charles, Camille, New York, N. Y. Dress. 129,065; Aug. 19.

Chernow, Michael, New York, N. Y. Bracelet. 128,928; Aug. 19.

Chernow, Michael, New York, N. Y. Bracelet. 128,929; Aug. 19.

Chernow, Michael, New York, N. Y. Jewelry clip. 128,930; Aug. 19.

Chernow, Michael, New York, N. Y. Jewelry clip. 128,931; Aug. 19.

Chernow, Michael, New York, N. Y. Jewelry clip. 128,932; Aug. 19.

Chernow, Michael, New York, N. Y. Jewelry clip. 128,933; Aug. 19.

Cloutier, Ellery J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Masking unit for bowling alley pin setters or the like. 128,952; Aug. 19.

Cloutier, Ellery J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Masking unit for bowling alley pin setters or the like. 128,953; Aug. 19.

Cloutier, Ellery J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Casing for a bowling ball stop. 128,954; Aug. 19.

Cloutier, Ellery J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Newel post for bowling ball racks or the like. 128,987; Aug. 19.

Cloutier, Ellery J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Combined score table and score projector or similar article. 128,988; Aug. 19.

Cummings, Israel, New York, N. Y. Textile fabric. 128,955; Aug. 19.

Cummings, Israel, New York, N. Y. Textile fabric. 128,956; Aug. 19.

Cummings, Israel, New York, N. Y. Textile fabric. 128,957; Aug. 19.

Cummings, Israel, New York, N. Y. Textile fabric. 128,974; Aug. 19.

Dahlstrom, John A., Bay Village, assignor to Perfection Stove Company, Cleveland, Ohio. Heating stove casing. 128,975; Aug. 19.

Derham, Philip A., and J. H. Newport, Jr., Rosemont, Pa., assignors to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 128,934; Aug. 19.

Derham, Philip A., and J. H. Newport, Jr., Rosemont, Pa., assignors to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 128,935; Aug. 19.

Doran, Peter J. (See Schirrmacher, J. C., and Doran.)

Dreyfuss, Henry, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass. Illuminated display stand. 128,958; Aug. 19.

Dreyfuss, Henry, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass. Illuminated display stand. 128,959; Aug. 19.

Dreyfuss, Henry, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent display lamp. 128,960; Aug. 19.

Eagle Lock Company, The. (See Marsh, Milton L., assignor.)

Etkin, Simon, New York, N. Y. Dress ensemble. 129,066; Aug. 19.

Etkin, Simon, New York, N. Y. Dress ensemble. 129,067; Aug. 19.

Fensch, Richard G., assignor to The Humphryes Manufacturing Company, Mansfield, Ohio. Bathtub. 129,038; Aug. 19.

Fields, Minna, New York, N. Y. Dress. 129,068; Aug. 19.

Fields, Minna, New York, N. Y. Dress. 129,069; Aug. 19.

Fields, Minna, New York, N. Y. Dress. 129,070; Aug. 19.

Fields, Minna, New York, N. Y. Dress. 129,071; Aug. 19.

Foley, John B., Chicago, Ill. Capsule container and dispenser. 128,936; Aug. 19.
Gerardi, Edward, Rockville Centre, N. Y. Finger ring. 128,976; Aug. 19.
Golden, Zelma, Larchmont, N. Y. Dress ensemble. 129,004; Aug. 19.
Gougler, Marcelline E., Chicago, Ill., assignor to Owens-Illinois Can Company, Wilmington, Del. Canister or similar container. 128,937; Aug. 19.
Hafner, August, Whitestone, N. Y. Textile fabric or similar article. 129,008; Aug. 19.
Hafner, August, Whitestone, Long Island, N. Y. Textile fabric or similar article. 129,039; Aug. 19.
Hat Corporation of America. (See Maxwell, P. M., and Lundberg, assignors.)
Hat Corporation of America. (See Maxwell, P. M., and Russy, assignors.)
Helms, Lillian, New York, N. Y. Dress. 129,072; Aug. 19.
Heywood-Wakefield Company. (See Jiranek, Leo, assignor.)
Hobgood, Margaret, New York, N. Y. Dress ensemble. 129,025; Aug. 19.
Hoshafian, Lucy, New York, N. Y. Dress. 129,040; Aug. 19.
Hrabak, Robert A., Lakewood, assignor to The Art Metal Company, Cleveland, Ohio. Fluorescent lighting fixture. 128,961; Aug. 19.
Humphryes Manufacturing Company, The. (See Fensch, Richard G., assignor.)
Hygrade Sylvania Corporation. (See Dreyfuss, Henry, assignor.)
Hygrade Sylvania Corporation. (See Scribner, Kenneth R., assignor.)
Jacobs, Vera, New York, N. Y. Dress. 128,965; Aug. 19.
Jiranek, Leo, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Chair. 128,938; Aug. 19.
Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Lace. 128,962; Aug. 19.
Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Lace. 128,963; Aug. 19.
Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Lace. 128,964; Aug. 19.
Juestrich, Max U., Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn. Lace. 128,966; Aug. 19.
Kayser, Julius, & Co. (See Rhea, Anne, assignor.)
Kushner, Jacob J., New York, N. Y. Dress. 129,098; Aug. 19.
Leighton Hats, Incorporated. (See Tripp, Babette C., assignor.)
Leser, Tina, New York, N. Y. Skirt. 128,989; Aug. 19.
Leser, Tina, New York, N. Y. Sweater. 128,990; Aug. 19.
Leser, Tina, New York, N. Y. Dress. 129,042; Aug. 19.
Levine, Louis C., Brooklyn, N. Y. Handbag. 129,005; Aug. 19.
Lewis, Florence N., New York, N. Y. Combined eyebrow pencil and brush. 128,939; Aug. 19.
Lundberg, Esther. (See Maxwell, P. M., and Lundberg.)
Lynn, Max, New York, N. Y. Dress ensemble. 129,073; Aug. 19.
Lynn, Max, New York, N. Y. Dress ensemble. 129,074; Aug. 19.
Mandelker, Doris, New York, N. Y. Dress. 129,026; Aug. 19.
Mandelker, Doris, New York, N. Y. Combined evening and street dress. 129,027; Aug. 19.
Mandelker, Doris, New York, N. Y. Dress. 129,028; Aug. 19.
Marchesa, Jane, Flushing, N. Y. Dress. 129,075; Aug. 19.
Marcus, Philip, New York, N. Y. Coat. 129,041; Aug. 19.
Marsh, Milton L., New Britain, assignor to The Eagle Lock Company, Terryville, Conn. Lock. 128,991; Aug. 19.
Marve, Murray, New York, N. Y. Dress. 129,076; Aug. 19.
Marve, Murray, New York, N. Y. Dress. 129,088; Aug. 19.
Matrick, James, Portsmouth, N. H. Article of bric-a-brac. 128,977; Aug. 19.
Maxwell, Paul M., Manhasset, and E. Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,992; Aug. 19.
Maxwell, Paul M., Manhasset, N. Y., and W. J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,993; Aug. 19.
Maxwell, Paul M., Manhasset, N. Y., and W. J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,994; Aug. 19.
Maxwell, Paul M., Manhasset, N. Y., and W. J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,995; Aug. 19.
Maxwell, Paul M., Manhasset, N. Y., and W. J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,996; Aug. 19.
Maxwell, Paul M., Manhasset, and E. Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,997; Aug. 19.
Maxwell, Paul M., Manhasset, and E. Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn. Hat. 128,998; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,019; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,020; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,021; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,029; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,030; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,031; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,032; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,033; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,034; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,035; Aug. 19.
Monteil, Germaine, New York, N. Y. Coat. 129,043; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,077; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,078; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,079; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,080; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,081; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress ensemble. 129,082; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress ensemble. 129,083; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress ensemble. 129,084; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress ensemble. 129,085; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,086; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress ensemble. 129,087; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,099; Aug. 19.
Monteil, Germaine, New York, N. Y. Dress. 129,100; Aug. 19.
Newport, Jesse H., Jr. (See Derham, P. A., and Newport.)
Nuskind, Charles, New York, N. Y. Textile fabric. 128,978; Aug. 19.
Oppenheimer, Helga, Little Neck, N. Y. Dress. 129,101; Aug. 19.
Owens-Illinois Can Company. (See Gougler, Marcelline E., assignor.)
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford Ill. Pendant type handle for stoves or the like. 128,940; Aug. 19.
Pellegrin, Elmer D., Woodstock, assignor to Geo. D. Roper Corporation, Rockford, Ill. Handle for stoves or the like. 128,941; Aug. 19.
Pellicone, Vincent. (See Bramucci, M. G., and Pellicone.)
Perfection Stove Company. (See Dahlstrom, John A., assignor.)
Peterson, Wilber P., Kansas City, Mo. Projection lamp. 128,967; Aug. 19.
Regelmann, Fritz, Cranston, assignor to Carl-Art, Inc., Providence, R. I. Jewelry finding. 128,979; Aug. 19.
Regensburg, Josephine C., New York, N. Y. Dress. 129,022; Aug. 19.
Regensburg, Josephine C., New York, N. Y. Dress. 129,023; Aug. 19.
Regensburg, Josephine C., New York, N. Y. Dress. 129,089; Aug. 19.
Revere Copper and Brass Incorporated. (See Welden, William A., assignor.)
Rhea, Anne, assignor to Julius Kayser & Co., New York, N. Y. Combined glove and mitten. 128,999; Aug. 19.
Richards, Julia, Brooklyn, N. Y. Dress. 129,090; Aug. 19.
Richards, Julia, Brooklyn, N. Y. Dress. 129,091; Aug. 19.
Richards, Julia, Brooklyn, N. Y. Dress. 129,092; Aug. 19.
Roper, Geo. D., Corporation. (See Pellegrin, Elmer D., assignor.)
Roper, Geo. D., Corporation. (See Whitehead, Grover F., assignor.)
Russy, Wilhelmina J. (See Maxwell, P. M., and Russy.)
Sadinoff, Max, Bronx, N. Y. Lace curtain or similar article. 129,009; Aug. 19.
Schaefer, Harold W., assignor to The Harry Alter Co., Chicago, Ill. An air conditioning apparatus or similar article. 128,942; Aug. 19.
Schirrmacher, Jack C., Jersey City, and P. J. Doran, Woodridge, N. J. Display mount for backed photographic figures. 128,980; Aug. 19.
Scribner, Kenneth R., Ipswich, assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent lamp fixture. 128,968; Aug. 19.
Schwarz, Walter, La Crescenta, Calif., assignor to Standard Homeopathic Company. Atomizer. 129,006; Aug. 19.

Smith, Marvin E., Chicago, Ill. Catapult for a boomerang game device or similar article. 129,010; Aug. 19.
Standard Homeopathic Company. (See Schwarz, Walter, assignor.)
Stewart, Gladys, Oakland, Calif. Hand carried traffic signal. 128,969; Aug. 19.
Stolkin, Jack, New York, N. Y. Dress. 129,093; Aug. 19.
Sutcliffe, Harry L., New York, N. Y. Shoe. 128,943; Aug. 19.
Sutcliffe, Harry L., New York, N. Y. Shoe. 128,944; Aug. 19.
Sutcliffe, Harry L., New York, N. Y. Shoe. 128,945; Aug. 19.
Sutcliffe, Harry L., New York, N. Y. Shoe. 128,946; Aug. 19.
Sutcliffe, Harry L., New York, N. Y. Shoe. 128,947; Aug. 19.
Sutcliffe, Harry L., New York, N. Y. Shoe. 128,948; Aug. 19.
Sutcliffe, Harry L., New York, N. Y. Shoe. 128,981; Aug. 19.
Sutcliffe, Harry L., New York, N. Y. Shoe. 128,982; Aug. 19.
Sutcliffe, Harry L., New York, N. Y. Shoe. 129,011; Aug. 19.
Sutton, Joseph A., New York, N. Y. Lace. 128,970; Aug. 19.
Thatcher, Charles L., South Attleboro, Mass., assignor to Marathon Company. Display pad for an article of jewelry. 128,971; Aug. 19.
Thomas, George, Los Angeles, assignor of one-half to B. Warshauer, Stockton, Calif. Shoe. 128,983; Aug. 19.
Tripp, Babette C., New Haven, Conn., assignor to Leighton Hats, Incorporated, New York, N. Y. Hat. 129,000; Aug. 19.
Turpan, Mark, West Englewood, N. J. Textile fabric or similar article. 129,044; Aug. 19.
Uhl, Otto, Jr., Flushing, N. Y. Clock. 128,984; Aug. 19.
Uncas Manufacturing Company. (See Wagner, George P., assignor.)
Victor Metal Products Corporation. (See Derham, P. A., and Newport, assignors.)
Vilag, Glory, New York, N. Y. Dress. 129,036; Aug. 19.
Vine, Thomas L., New York, N. Y. Muff. 129,001; Aug. 19.
Wagner, George P., Edgewood, R. I., assignor to Uncas Manufacturing Company. Finger ring. 128,949; Aug. 19.
Warshauer, Benjamin. (See Thomas, George, assignor.)
Welden, William A., Stamford, Conn., assignorto Revere Copper and Brass Incorporated, Rome, N. Y. Handle grip, for cooking vessels or the like. 128,972; Aug. 19.
Weiss, Jacob M., New York, N. Y. Combined tie-clip and extension pencil. 128,985; Aug. 19.
Whitehead, Grover F., assignor to Geo. D. Roper Corporation, Rockford, Ill. Utensil support for a cooking range. 129,007; Aug. 19.
Wilhide, Glenn C., Baltimore County, assignor to The Black and Decker Manufacturing Company, Towson, Md. Portable power driven tool unit. 129,045; Aug. 19.
Wilhide, Glenn C., Baltimore County, assignor to The black and Decker Manufacturing Company, Towson, Md. Portable power driven tool unit. 129,046; Aug. 19.
Witkins, Jeannette M., New York, N. Y. Bathing cap. 129,012; Aug. 19.
Wuerth, Minna, New York, N. Y. Dress. 129,094; Aug. 19.
Zaveil, Arnold, New York, N. Y. Textile fabric or similar article. 128,986; Aug. 19.
Zuckerman, Harry, New York, N. Y. Coat. 129,037; Aug. 19.
Zuckerman, Harry, New York, N. Y. Coat. 129,047; Aug. 19.
Zuckerman, Harry, New York, N. Y. Coat. 129,048; Aug. 19.
Zuckerman, Harry, New York, N. Y. Coat. 129,049; Aug. 19.
Zuckerman, Harry, New York, N. Y. Coat. 129,050; Aug. 19.
Zuckerman, Harry, New York, N. Y. Coat. 129,051; Aug. 19.
Zuckerman, Harry, New York, N. Y. Coat. 129,052; Aug. 19.
Zuckerman, Harry, New York, N. Y. Coat. 129,053; Aug. 19.
Zuckerman, Harry, New York, N. Y. Coat. 129,054; Aug. 19.
Zuckerman, Harry, New York, N. Y. Coat. 129,055; Aug. 19.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aamodt, Thoralf, Port Richmond, Staten Island, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time delay relay. 2,253,314; Aug. 19.
Acco Products, Inc. (See Zwickel, Elmer L., assignor.)
Adler, Victor C., Detroit, Mich. Building construction element. 2,252,956; Aug. 19.
Adnun Engineering Corporation. (See Lundbye, Axel E., assignor.)
Aeschbach, Walter E. (See Vieth, O., and Aeschbach.)
Aklin, George H., assignor to Eastman Kodak Company, Rochester, N. Y. High aperture objective. 2,252,681; Aug. 19.
Aklin, George H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic objective. 2,252,682; Aug. 19.
Aktiebolaget Svenska Kullagerfabriken. (See Palmgren, Nils A., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See van Rijswijk, Willem, assignor.)
Albertson, Frank O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Form setting abrasive disks. 2,252,683; Aug. 19.
Albertson & Company. (See Albertson, Frank O., assignor.)
Alcorn, Harvey S., Bethany, Okla. Hydraulic brake safety signal. 2,253,260; Aug. 19.
Aldrich, Loyd I. (See Debler, William J., assignor.)
Alexander, Elmo E., New Albany, Ind. Panel bend. 2,253,219; Aug. 19.
Allen, John L., San Diego, Calif. Automobile door handle remover. 2,252,797; Aug. 19.
Allison, Kenneth C. (See Dressel, H. M., Allison, and Mastney.)
Alquist, Francis N., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Secondary xenoxy-alkyl-amines. 2,252,828; Aug. 19.
Alter, Harry, Co., The. (See Schaefer, Harold W., assignor.)
Alther, Joseph G., Chicago, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for hydrocarbon oil conversion. 2,253,006; Aug. 19.
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,253,007; Aug. 19.
Aluminum Plant & Vessel Company Limited. (See Crosby, William E., assignor.
American Bosch Corporation. (See Schwarzmann, W. E., and Strniste, assignors.)
American Box Board Company. (See Anderson, Wilbur G., Jr., assignor.)
American Broach & Machine Co. (See Lapointe, Francis J., assignor.)
American Enka Corporation. (See Jackson, Arthur L., assignor.)
American Hydraulics, Inc. (See Ziska, Adam.)
American Locomotive Company. (See Weber, Theodore R., assignor.)
American Machine & Foundry Company. (See Di Prima, Anthony; assignor.)
American Maize-Products Company. (See Daly, R. E., and Walsh, assignors.)
American Optical Company. (See Peck, William F., assignor.)
American Securit Company, The. (See de Tailly, Jacques M. D., assignor.)
American Steel and Wire Company of New Jersey, The. (See Bergwall, Anton, assignor.)
American Stove Company. (See Brodbeck, Almer H., assignor.)
Anderson, Frederick H., Schenectady, and E. H. Lehman, Scotia, N. Y., assignors to General Electric Company. Vacuum pump apparatus. 2,253,159; Aug. 19.
Anderson, Wilbur G., Jr., assignor to American Box Board Company, Grand Rapids, Mich. Shipping and display box. 2,253,008; Aug. 19.
Anderson, William T. (See Ostrander, G. B., and Anderson.)
Andres, Paul G., Oak Park, Ill., assignor to Bowes Seal Fast Corporation, Indianapolis, Ind. Spark plug. 2,253,220; Aug. 19.
Andres, Paul G. (See Bowes, C. E., Andres, and Mullen.)
Andrus, Sidney F., Troy Center, Wis. Flashlight attachment. 2,253,315; Aug. 19.
Apple, Bessie D. (See Cotterman, Frederick W., assignor.)
Archer, Doriane, Los Angeles, Calif. Hair curler. 2,252,910; Aug. 19.
Archer, Doriane, Los Angeles, Calif. Hair curling appliance. 2,252,911; Aug. 19.

Armentrout, Arthur L., Los Angeles, Calif., assignor of one-third to E. B. Hall and one-third to V. P. Baker. Well tool. 2,252,912; Aug. 19.
Armentrout, Arthur L., et al. (See Claire, Guy K., assignor.)
Armentrout, Arthur L. (See Hall, E. B., and Armentrout.)
Armitage, Harry, London, England, assignor to Borg-Warner Corporation, Chicago, Ill. Rivetless drive plate. 2,253,316; Aug. 19.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Material spreader. 2,252,690; Aug. 19.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Material spreader. 2,252,691; Aug. 19.
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Current collector. 2,253,359; Aug. 19.
Arnold, Louis E., assignor to The George Evans Corporation, Moline, Ill. Preventing pulsating in heating devices. 2,253,414; Aug. 19.
Arnold, Olin B., San Antonio, Tex. Dental forceps. 2,252,798; Aug. 19.
Arnold, Philip S., Flint, Mich. Apparatus for automatically controlling feed of fuel to burners or furnaces. 2,253,160; Aug. 19.
Arnold, William W., Jr., Knoxville, Tenn., assignor to Callaway Mills, La Grange, Ga. Special loom harness and tension easing mechanism for weaving a tubular bag with a three end leno weave. 2,253,202; Aug. 19.
Arundale, Erving. (See Mikeska, L. A., and Arundale.)
Ash Products Corporation. (See Ross, Frederick N., assignor.)
Associated Electric Laboratories, Inc. (See Benisek, E., and Sengebusch, assignors.)
Associated Electric Laboratories, Inc. (See Giannini, G. M., and Carlisle, assignors.)
Associated Electric Laboratories Inc. (See McAndrew, S. S., and Migliasso.)
Associated Electric Laboratories, Inc. (See Woodruff, A. E., and Horlacher, assignors.)
Atlas Electric Sprayer Corporation. (See Gordon, W. F., and Marsh, assignors.)
Attaway, William E., et al. (See Stanford, William T., assignor.)
Atwood, James T., Rockford, Ill. Counterbalanced lid support. 2,253,161; Aug. 19.
Automatic Control Corporation. (See Persons, Lawrence M., assignor.)
Averill, John R., Webster Groves, Mo., and E. E. Claytor, Long Beach, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Producing petroleum sulphonates. 2,252,937; Aug. 19.
Ayers, Edgar H., Schenectady, N. Y., assignor to General Electric Company. Refrigerator control system. 2,253,162; Aug. 19.
Babcock, Dale F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for the production of artificial structures. 2,252,684; Aug. 19.
Babcock, David L., assignor to Eastman Kodak Company, Rochester, N. Y. Film splicing apparatus. 2,252,685; Aug. 19.
Backman, Henry W., and L. A. Powers, Jr., Waltham, Mass. Calculating device. 2,252,749; Aug. 19.
Bacon, Hollis P., Cleveland Heights, assignor to Northern Blower Company, Cleveland, Ohio. Dust collector. 2,253,261; Aug. 19.
Baer, Alvin H., South Orange, N. J. Congelation machine and method. 2,252,913; Aug. 19.
Baird, William M., Chicago, Ill. Drawer for refrigerated locker systems. 2,253,317; Aug. 19.
Baisden, Alvin B., and W. A. Lentz, Belleville, N. J. Pail ball. 2,252,686; Aug. 19.
Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,253,009; Aug. 19.
Baker, Virgil P., et al. (See Armentrout, Arthur L., assignor.)
Baker, Virgil P., et al. (See Claire, Guy K., assignor.)
Baldenhofer, Christian, assignor to The Thompson Grinder Company, Springfield, Ohio. Way grinding machine. 2,252,877; Aug. 19.
Balton, Charles A., Buffalo, assignor to Trans-America Aircraft and Motor Corporation, Tonawanda, N. Y. Diesel engine. 2,252,914; Aug. 19.
Barlow, Walter H., Stroud, Okla. Truss. 2,253,103; Aug. 19.

Barnes, Byron H., San Marino, and B. S. Minor, Whittier, assignors to Bettis Rubber Co. Ltd., Los Angeles, Calif. Applying expansible collars. 2,252,692; Aug. 19.
Barnum, Arthur J. and W. J., Detroit, Mich. Ignition mechanism. 2,253,221; Aug. 19.
Barnum, Warren J. (See Barnum, Arthur J. and W. J.)
Barosi, Cinzio, Turin, Italy. Elastic half-belt for trousers. 2,253,104; Aug. 19.
Barrett, Orrin A., M. Languis, and T. E. McFall, assignors to Michigan Artcraft Company, Sparta, Mich. Extension table. 2,253,010; Aug. 19.
Barrow, George M., Nutley, and L. N. Crichton, Livingston, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Impedance device. 2,253,318; Aug. 19.
Bartholomaus, Adolf, administrator. (See Hentrich, W., Lainau, and Kaiser.)
Basch, Walter M., Westfield, N. J. Transparent double walled jar for testing liquids. 2,252,750; Aug. 19.
Bassett, Robert S. assignor to S. Bassett, Buffalo, N. Y. Gas and liquid separating device. 2,252,687; Aug. 19.
Bassett, Sylvia. (See Bassett, Robert S., assignor.)
Batterman, Herman E., assignor to Dry Molasses Feed Co. Chicago, Ill. Production of animal feed products. 2,253,319; Aug. 19.
Bayerische Motoren Werke Aktiengesellschaft. (See Schleicher, Rudolf, assignor.)
Bazzoni, Charles B., Wallingford, and J. Razek, Llanerch, assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Electrical prospecting method and apparatus. 2,253,485; Aug. 19.
Beaton & Cadwell Manufacturing Company, The. (See Work, Ernest W., assignor.)
Becker, Ernest R. (See Loew, Paul W., assignor.)
Becker, Ewald, Berlin-Steglitz, Germany. Control device for internal combustion engines. 2,252,693; Aug. 19.
Becker, Roland. (See Wirth, A., and Becker.)
Beckman, William R. (See Watkins, E. M., and Beckman.)
Bedford Foundry & Machine Co. (See Sohn, Leo B., assignor.)
Beemer, Paul K. (See Van Dorn, W. E., and Beemer.)
Belchetz, Arnold, Kew Gardens, N. Y. Catalytic conversion of hydrocarbons. 2,253,486; Aug. 19.
Bell Punch Company Limited. (See Ward, Albert W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Aamodt, Thoralf, assignor.)
Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Krantz, Hubert K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lacey, Edward, assignor.)
Bell Telephone Laboratories, Incorporated. (See MacNair, Walter A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mechling, Eugene B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Morrell, Millard E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pollard, Charles E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Reynolds, John N., assignor.)
Bell Telephone Laboratories, Incorporated. (See Slonczewski, Thaddeus, assignor.)
Bell Telephone Laboratories, Incorporated. (See Wheeler, Clyde H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilkerson, Jefferson R., assignor.)
Bell, William B., Millburn, N. J. Switch plate. 2,252,829; Aug. 19.
Bella, Charles J., Davenport, and E. W. Souter, Moss Beach, Calif. Safety device for trucks and other vehicles. 2,252,878; Aug. 19.
Benander, George B., Yalesville, assignor to Monowatt Electric Corporation, Bridgeport, Conn. Electric socket. 2,253,163; Aug. 19.
Benander, George B., Oaklawn, assignor to Monowatt Electric Corporation, Providence, R. I. Electrical connector. 2,253,164; Aug. 19.
Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,253,011; Aug. 19.
Benisek, Edward, Geneva, and H. Sengebusch, Villa Park, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone unit. 2,252,751; Aug. 19.
Benner, Dale A., Alton, Ill., and A. F. Wimbush, St. Louis, Mo., assignors to D. A. Benner, Alton, Ill. Ski-skate. 2,253,012; Aug. 19.
Bennett, Willard H., assignor to Electronic Research Corporation, Newark, Ohio. Electric discharge electrode. 2,252,694; Aug. 19.
Berg, Louis B., assignor to Borg-Warner Corporation, Chicago, Ill. Wheel. 2,253,320; Aug. 19.
Bergwall, Anton, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Supporting means for aerial tramways. 2,252,695; Aug. 19.
Berkey, William E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Coated lightning-arrester block. 2,253,360; Aug. 19.
Berkey, William E., Forest Hills, and F. B. Johnson, Murrysville, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Resistance-shunted lightning arrester. 2,253,361; Aug. 19.
Berlinghoff, Charles F. (See Sconce, J. S., and Berlinghoff.)
Bertram, Joseph, Chicago, Ill. Pontic insert and dental bridge. 2,253,222; Aug. 19.
Bertrand, Lucien, Paris, France, assignor, by mesne assignments, to Borg Warner Corporation. Clutch. 2,253,284; Aug. 19.
Bettis Rubber Co. Ltd. (See Barnes, B. H., and Minor, assignors.)
Beymer, Oliver H., Pittsfield, Mass., assignor to General Electric Company. Tap-changing system. 2,253,165; Aug. 19.
Bicknell, George M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor structure. 2,252,958; Aug. 19.
Bierly, George M., Columbus, Ohio. Apparatus for boiling aqueous starch mixtures. 2,253,262; Aug. 19.
Bigelow, Newell M., and J. E. Cole, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydroxyalkyl mono ethers of p,p'-dihydroxy diphenyl amines and making same. 2,253,166; Aug. 19.
Bigelow, Newell M., and J. E. Cole, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphur dyestuff. 2,253,167; Aug. 19.
Bigelow-Sanford Carpet Co. (See Knowland, R. G., and Johnson, assignors.)
Bill, Burton H., Sacramento, Calif. Combination metallic and insulation shingle. 2,253,105; Aug. 19.
Birch, Walter J., Winnipeg, Manitoba, Canada. Airplane propeller. 2,253,013; Aug. 19.
Bissell Carpet Sweeper Company. (See Pullen, Fred W., assignor.)
Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Treating pipe-line oil. 2,252,959; Aug. 19.
Blake, Herbert P., assignor to The Standard Electric Time Company, Springfield, Mass. Binding-post and jack-plug unit for electrical installations. 2,253,223; Aug. 19.
Blank, Maurice G., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,252,688; Aug. 19.
Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Arc welding system. 2,253,321; Aug. 19.
Bleakley, William Y., assignor to Zero Hour Bomb Company, Tulsa, Okla. Plugging device. 2,253,224; Aug. 19.
Bliss, E. W., Company. (See Williamson, Larkin R., assignor.)
Bliss, Lyman A., New York, and J. J. Murphy, Mount Vernon, assignors to The Linde Air Products Company, New York, N. Y. Method and apparatus for dispensing gas material. 2,252,830; Aug. 19.
Bliss, Warren H., Brooklyn, N. Y., assignor to Radio Corporation of America. Modulating and amplifying system. 2,252,752; Aug. 19.
Bodenschatz, William A. (See Ridgway, E. O., and Bodenschatz.)
Boltz, Stanley A. (See Cooper, D. L., Boltz, and Sumey.)
Bone, Herbert L., and J. W. Livingston, Forest Hills, assignors to The Union Switch & Signal Company, Swissvale, Pa. Drive mechanism for axle driven speed responsive devices for railway trains. 2,253,058; Aug. 19.
Borg-Warner Corporation. (See Armitage, Harry, assignor.)
Borg-Warner Corporation. (See Berg, Louis B., assignor.)
Borg-Warner Corporation. (See Bertrand, Lucien, assignor.)
Borg-Warner Corporation. (See Greif, Edward J., assignor.)
Borg-Warner Corporation. (See Higgs, Charles W., assignor.)
Borg-Warner Corporation. (See Karlberg, Ernest J., assignor.)
Borg-Warner Corporation. (See Nutt, H., and Cook, assignors.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Eideneier, Fritz, assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Hurst, Max, assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Menzel, Friedrich, assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Voit, Willi, assignor.)
Bottlers Equipment Company. (See Hamilton, Walter H., assignor.)
Botts, Edward W., Chicago, Ill. Golfer's training rack. 2,252,831; Aug. 19.
Bower, Sigmund, Brooklyn, N. Y. Machine for applying reinforcing rings to clothespins. 2,253,322; Aug. 19.
Bowes, Charles E., P. G. Andres, and T. W. Mullen, assignors to Bowes Seal Fast Corporation, Indianapolis, Ind. Spark plug cleaner. 2,253,225; Aug. 19.
Bowes Seal Fast Corporation. (See Andres, Paul G., assignor.)
Bowes Seal Fast Corporation. (See Bowes, C. E., Andres, and Mullen, assignors.)

Bradshaw, William H., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of filaments, ribbons, and the like. 2,252,689; Aug. 19.

Braker, William, Brooklyn, M. A. Dolliver, Jackson Heights, E. Pribyl, Long Island City, and F. A. Smith, Brooklyn, assignors to E. R. Squibb & Sons, New York, N. Y. Preparing diethylstilbestrol and other stilbene derivatives, and intermediates therefor. 2,252,696; Aug. 19.

Brassert, Herman A., assignor to Minerals and Metals Corporation, New York, N. Y. Manufacture of metal products. 2,252,697; Aug. 19.

Braun, Franz, A.-G. (See Hempel, Emil, assignor.)

Breitling, Ernst, Berlin-Tempelhof, Germany, assignor to The National Cast Register Company, Dayton, Ohio. Cash register. 2,253,226; Aug. 19.

Bristol Aeroplane Company Limited, The. (See Fedden, A. H. R., and Nixon, assignors.)

Brodbeck, Almer H., assignor to American Stove Company, St. Louis, Mo. Cover for range tops. 2,252,753; Aug. 19.

Brodd, Charles G., McKeesport, Pa., assignor to National Tube Company. Chuck. 2,253,106; Aug. 19.

Brodie, Gerson H., Houston, Tex. Centering tubular well strings. 2,253,415; Aug. 19.

Broekhuysen, William C., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Metal remover for tobacco feeds. 2,253,362; Aug. 19.

Brooks, John W., Des Moines, Iowa. Color index device. 2,253,107; Aug. 19.

Brown, Arthur S., Pollokshaws, Glasgow, J. Dalglish and K. S. Laurie, Glasgow, Scotland; said Brown and said Laurie assignors to said Dalglish. Machine for handling materials in web form, especially stentering machines. 2,252,832; Aug. 19.

Brown, Morris C., Normandy, assignor to Carter Carburetor Company, St. Louis, Mo. Carburetor structure. 2,252,960; Aug. 19.

Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Apparatus for fabricating tubular structures. 2,253,477; Aug. 19.

Brown, Stewart K., Alexandria, Va., and W. B. Sullivan, Silver Spring, Md. Temperature indicating and temperature controlled and controlling device. 2,253,263; Aug. 19.

Browning, Jonathan E., Ogden, Utah, assignor, by mesne assignments, to Western Cartridge Company. Gas-operated automatic firearm. 2,252,754; Aug. 19.

Bruestle, Carl O., assignor to Elevator Supplies Company, Incorporated, Rahway, N. J. Saturating fibrous coverings on wires, cables, and the like. 2,252,755; Aug. 19.

Brunswick Worsted Mills, Inc. (See Haskell, Henry C., assignor.)

Buckeye Steel Castings Company, The. (See Johnson, G. T., and Moeller, assignors.)

Bucyrus-Erie Company. (See Thornburg, Herbert W., assignor.)

Budd, Edward G., Manufacturing Company. (See Patton, John W., assignor.)

Budd Wheel Company. (See Eksergian, Carolus L., assignor.)

Budd Wheel Company. (See Eksergian, C. L., and Coombes, assignors.)

Budd Wheel Company. (See Sabold, Gordon W., assignor.)

Burbridge, John R., Kenosha, Wis. Frictional clutch. 2,253,168; Aug. 19.

Burke, James P., Knoxville, Tenn. Phonograph record. 2,253,014; Aug. 19.

Burleson, Wade H., assignor to The Ohio Brass Company, Mansfield, Ohio. Tubular insulator. 2,253,264; Aug. 19.

Butcher Boy Corporation. (See Hart, Leo W., assignor.)

Butler, Edmund J. (See Savage, M. H., and Butler.)

Button, Leslie M., and H. W. Dawson, Fort Lewis, Wash. Universal nozzle. 2,252,698; Aug. 19.

Byers, John F., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for glass manufacture. 2,252,756; Aug. 19.

Byrne, John F., assignor to Collins Radio Company, Cedar Rapids, Iowa. Azimuth radio beacon system. 2,252,699; Aug. 19.

Cadous, Esther, Brooklyn, N. Y. Slip. 2,252,833; Aug. 19.

Calame, Gordon J., Bettendorf, Iowa. Production blade grinder. 2,252,879; Aug. 19.

Caldwell, Farley M., Cincinnati, Ohio. Bearing and bearing retainer. 2,253,416; Aug. 19.

California Fruit Growers Exchange. (See Cole, Gordon M., assignor.)

Callahan, Joseph J. (See Vassos, J., and Callahan.)

Callaway, Hal, Los Angeles, Calif. Roof flashing. 2,252,834; Aug. 19.

Callaway Mills. (See Arnold, William W., Jr., assignor.)

Camp, Thomas P., Arlington Heights, assignor to United States Gypsum Company, Chicago, Ill. Mixer. 2,253,059; Aug. 19.

Campbell, Donald J., Spring Lake Township, Ottawa County, Mich. Engine. 2,252,961; Aug. 19.

Canister Company, The. (See Plum, Russell E., assignor.)

Cantrell, Troy L., and J. O. Turner, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Lubricating oil composition, inhibitor therefor, and manufacturing the same. 2,253,227; Aug. 19.

Cantrell, Troy L., and J. O. Turner, Lansdowne, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Lubricating oil composition, inhibitor therefor, and manufacturing the same. 2,253,228; Aug. 19.

Cardox Corporation. (See Ferrell, D., and Helmholtz, assignors.)

Cardoza, T. J., Co., The. (See Lewis, George, assignor.)

Carlberg, Carl S., Mound, Minn. Smoking pipe. 2,252,880; Aug. 19.

Carlisle, Richard W. (See Giannini, G. M., and Carlisle.)

Carlson, Bert G., Freeport, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Air pump. 2,252,757; Aug. 19.

Carlson, Oscar F., Kenilworth, assignor of one-half to Oscar F. Carlson Company, and one-half to E. N. McDonnell, Chicago, Ill. Self-cleaning boiler control. 2,252,962; Aug. 19.

Carlson, Oscar F., Company, et al. (See Carlson, Oscar F., assignor.)

Carter Carburetor Company. (See Brown, Morris C., assignor.)

Carter Carburetor Corporation. (See Bicknell, George M., assignor.)

Carter Carburetor Corporation. (See Woods, Herbert A., assignor.)

Cartwright, Randle V. (See Tuttle, C. M., and Cartwright.)

Casey, William D. Jr., assignor of forty per cent to W. R. Jenkins, Memphis, Tenn. Digit bandage. 2,253,108; Aug. 19.

Carto, Lloyd V., Detroit, Mich., and G. von Webern, and E. W. Hamant, Dayton, Ohio, assignors to Oxford Varnish Corporation, Detroit, Mich. Surface decorating mechanism. 2,253,109; Aug. 19.

Catalin Corporation of America. (See Thompson, Wesley R., assignor.)

Centrella, Joseph, Bristol, Conn. Electrical plug. 2,253,015; Aug. 19.

Champion Hardware Company, The. (See Wellman, Guy A., assignor.)

Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Portable drill. 2,253,363; Aug. 19.

Chenette, Joseph C., Flat Rock, Mich. Shaker for granular material. 2,252,835; Aug. 19.

Chomyn, Harry. (See Masishin, H., and Chomyn.)

Christian, Raymond A., assignor to The National Cash Register Company, Dayton, Ohio. Calculating machine. 2,253,229; Aug. 19.

Christiansen, Walter G., Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Dialkyl hydroxy phenyl mercuri salt. 2,252,705; Aug. 19.

Christmann, Friedrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of drying oils. 2,253,323; Aug. 19.

Churchill, Leonard D. (See Schott, J. E., and Churchill.)

Ciba Pharmaceutical Products, Incorporated. (See Hartmann, M., and Schlittler, assignors.)

Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., Klarer, and Urech, assignors.)

Cinch Manufacturing Corporation. (See Del Camp, Scipione M., assignor.)

Claire, Guy K., assignor of one-third to A. L. Armentrout, one-third to E. B. Hall, and one-third to V. P. Baker, Los Angeles, Calif. Portable well derrick. 2,253,487; Aug. 19.

Clark, Percy L., Jr., Glencoe, and C. Waterbury, Chicago, Ill. Making diaphragms. 2,252,758; Aug. 19.

Clark, William C., Urbana, Ill. Terminal clip. 2,253,417; Aug. 19.

Clarke, Frederick D., Manhasset, N. Y. Airline radio beam game. 2,252,700; Aug. 19.

Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Head trimmer. 2,253,169; Aug. 19.

Claytor, Edwin E. (See Averill, J. R., and Claytor.)

Clearman, Eugene R., assignor to Eastman Kodak Company, Rochester, N. Y. Coating apparatus. 2,253,060; Aug. 19.

Cleminson, Haldane S., et al. (See Davis, Walter S. and C. T., assignors.)

Cleveland Crane & Engineering Company. (See Wehr, William G., assignor.)

Cleveland Graphite Bronze Company, The. (See Palm, John V. O., assignor.)

Cohen, Frederick W., Upper Montclair, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Ignition of Thermit mixtures. 2,253,364; Aug. 19.

Cole, Gordon M., Corona, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Manufacture of fruit acids. 2,253,061; Aug. 19.

Cole, John E. (See Bigelow, N. M., and Cole.)

Coles, Harold W., and M. L. Dodds, Pittsburgh, Pa., assignors to E. R. Squibb & Sons, New York, N. Y. Haloalkyl polyacyl glycosides. 2,252,706; Aug. 19.

Collins, Harry L., assignor to Knapp-Monarch Company, St. Louis, Mo. Rotary shearing head. 2,253,016; Aug. 19.

Collins Radio Company. (See Byrne, John F., assignor.)

Colton, Arthur. (See Kath, A. W., and Colton.)

Colton, Arthur, Company. (See Kath, A. W., and Colton, assignors.)

Columbus McKinnon Chain Corporation. (See McKinnon, Archibald L., assignor.)

Conill, Fernan O., New York, N. Y. Container for liquids. 2,252,915; Aug. 19.

Connolly, Gerald C., Baton Rouge, La., assignor to Standard Oil Development Company. Cracking oil by leached zeolites. 2,253,285; Aug. 19.

Consolidated Packaging Machinery Corporation. (See Gantzer, Howard E., assignor.)

Consortium für Elektrochemische Industrie, G. m. b. H. (See Mugdan, M., and Wimmer, assignors.)

Continental Can Company. (See Haycock, John, assignor.)

Continental Can Company. (See Minaker, Herbert L., assignor.)

Cook, Leo W. (See Nutt, H., and Cook.)

Coombes, Joseph H. (See Eksergian, C. L., and Coombes.)

Cooper, Dallas L., S. A. Boltz, and R. W. Sumey, Pueblo, Colo. Combined beet harvesting machine. 2,252,799; Aug. 19.

Copeman, Lloyd G., Flint, Mich. Flour sifter combination. 2,252,701; Aug. 19.

Cornell, Edward S. Jr., Larchmont, N. Y. Self-compensating bearing. 2,253,110; Aug. 19.

Cornett, Walter V., Brooklyn, N. Y. Sloper. 2,253,265; Aug. 19.

Cotterman, Frederick W., assignor to B. D. Apple, Dayton, Ohio. Flytrap. 2,253,017; Aug. 19.

Courtaulds Limited. (See Whittaker, C. M., Wilcock, and Tattersfield, assignors.)

Cowles, Irving, Detroit, Mich., assignor to said Cowles and R. W. Lotz, Chicago, Ill., as successor co-trustees. Swivel joint for conduits. 2,253,018; Aug. 19.

Craik, James. (See Houghton, A. A., and Craik.)

Cramer, Raymond H., Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 2,253,324; Aug. 19.

Crandall, Max, and M. Sanders, Kingfisher, Okla. Air conditioning apparatus. 2,253,418; Aug. 19.

Crawford Door Company. (See Siess, Henry J., assignor.)

Crawford, John J., Astoria, Ore. Direction signal for motor vehicles. 2,253,478; Aug. 19.

Crepeau, Atlen J., Milwaukee, Wis. Overhead cable spraying apparatus. 2,253,019; Aug. 19.

Crichton, Leslie N. (See Barrow, G. M., and Crichton.)

Cronan, James E., Detroit, Mich. Article hanger. 2,253,286; Aug. 19.

Cronström, Stig H., assignor to Hasselblads Fotografiska Aktieholag, Goteborg, Sweden. Container. 2,253,111; Aug. 19.

Crosby, William E., assignor to The Aluminum Plant & Vessel Company Limited, Point Pleasant, Wandsworth, London, England. Plate-type apparatus. 2,252,916; Aug. 19.

Crosley Corporation, The. (See Crosley, P., and Oswald, assignors.)

Crosley Corporation, The. (See Kellogg, Leonard A., assignor.)

Crosley Corporaton, The. (See Tyzzer, Howard J., assignor.)

Crosley, Powel, J., and L. C. Oswald, assignors to The Crosley Corporation, Cincinnati, Ohio. Motor vehicle. 2,253,479; Aug. 19.

Crouse, J. Robert. (See Gallinger, Milo O., assignor.)

Cunningham, Kelly G., Evans, W. Va. Plow lift mechanism. 2,253,419; Aug. 19.

Cupal, Peter P., Flint, Mich. Tractor. 2,253,420; Aug. 19.

Curado, Joseph G., Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Ink and manufacturing the same. 2,252,702; Aug. 19.

Curado, Joseph G., Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Quick drying printing ink and preparation. 2,252,917; Aug. 19.

Currie, William E. (See Raichle, L., and Riedinger, assignors.)

Curry, Walter H., and J. T. Potts, Salt Lake City, Utah. Belting and lining material. 2,252,836; Aug. 19.

Cutler-Hammer, Inc. (See Feldhausen, Cyril P., assignor.)

Cutting, Clark T., Canandaigua, N. Y. Multiple stick holding device. 2,253,458; Aug. 19.

Daché, Lilly, New York, N. Y. Preparing fabric. 2,253,062; Aug. 19.

Daimler-Benz Aktiengesellschaft. (See Niessen, Laurenz, assignor.)

Dalglish, John. (See Brown, A. S., Dalglish, and Laurie.)

Daly, Raymond E., and J. F. Walsh, Chicago, Ill., assignors to American Maize-Products Company. Oil refining process. 2,253,480; Aug. 19.

Daniels, Joseph, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Operating device for water-gas plants, blast-furnace stoves, or the like. 2,252,800; Aug. 29.

Daniels, Joseph, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Automatic control for water-gas plants or the like. 2,252,801; Aug. 29.

Daniels, Joseph, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Gas producer. 2,252,802; Aug. 19.

Daniels, Lee G., Rockford, Ill. Valve structure. 2,253,020; Aug. 19.

Davidson, James L., Los Angeles, Calif. Window lock construction. 2,253,325; Aug. 19.

Davies, Clarence J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Decoration. 2,252,704; Aug. 19.

Davis, Charles T. (See Davis, Walter S. and C. T.)

Davis, Garland H. B., Elizabeth, N. J., assignor to Standard Oil Development Company. Solvent treating of mineral oils. 2,253,326; Aug. 19.

Davis, Malcolm P. (See Jones, J. G., and Davis.)

Davis, Max U., Lakewood, Ohio, assignor to The Western Union Telegraph Company, New York, N. Y. Friction clutch. 2,253,459; Aug. 19.

Davis, Walter S., Los Angeles, Calif., and C. T. Davis, assignors of twenty per cent to W. W. Pitann, twenty per cent to A. Pitann, twenty per cent to A. I. Newman, five per cent to M. M. Newman, and eight and three-fourths per cent to H. Cleminson, Chicago, Ill. Suture and packaging and sterilizing the same. 2,253,287; Aug. 19.

Dawson, Horace W. (See Button, L. M., and Dawson.)

Dawson, John W., Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,253,365; Aug. 19.

Dean, Edwin R., Minneapolis, Minn. Advertising display fixture. 2,252,707; Aug. 19.

Debler, William J., Philadelphia, assignor to L. I. Aldrich, Peoria, Ill. Oil burner. 2,253,266; Aug. 19.

De Boysson, Joseph B. A., Boulogne-Billancourt, France. Hydraulic control system. 2,253,112; Aug. 19.

Deere & Company. (See Ohlendorf, Emil F., assignor.)

Dejbel, Christopher W., Youngstown, Ohio. Golf practicing and scoring device. 2,253,063; Aug. 19.

Delaval-Crow, Thomas C., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Lubricating method. 2,253,327; Aug. 19.

Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Electrical socket. 2,252,918; Aug. 19.

De Lucchi, Albert P., San Francisco, Calif. Wheelbarrow. 2,253,288; Aug. 19.

De Maré, Baltzar E. L., Philadelphia, Pa. Method and apparatus for deoxidizing and degasifying liquid steel. 2,253,421; Aug. 19.

Demaree, Harry S., Chicago, Ill., and W. D. Sellers, Glen Ellyn, Ill., assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,253,289; Aug. 19.

Deppeler, John H., Weehawken, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Automatic welding head. 2,253,366; Aug. 19.

De Tailly, Jacques M. D., Thourotte, France, assignor to The American Securit Company, Washington, D. C. Apparatus for the suspension of glass articles or sheets. 2,252,703; Aug. 19.

Dicke, Allen A., Montclair, N. J. Ditching machine. 2,252,837; Aug. 19.

Dickey, Joseph B., and J. G. McNally, Rochester, N. Y. Cellulosic compositions of matter containing organic ester amides. 2,253,064; Aug. 19.

Dickey, Joseph B. (See McNally, J. G., and Dickey.)

Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Plasticized cellulose derivative compositions. 2,253,065; Aug. 19.

Dietrich, Theodore, assignor to the firm Sodeco, Societe des Compteurs de Geneve, Chemin Chandieu, Geneva, Switzerland. Alternating current vibratory apparatus. 2,253,267; Aug. 19.

Dillon, Robert T. (See Raymond, A. L., and Dillon.)

Di Lucci, Anthony J., assignor of one-half to S. J. Levy, Los Angeles, Calif. Internal combustion engine piston. 2,253,203; Aug. 19.

Di Lucci, Anthony J., assignor of one-half to S. J. Levy, Los Angeles, Calif. Internal combustion engine ignition system. 2,253,204; Aug. 19.

Di Prima, Anthony, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Boosting mechanism for bread slicing machines. 2,253,367; Aug. 19.

Dixie Wax Paper Company. (See Kimple, L. C., and Gaines, assignors.)

Dodds, Mary L. (See Coles, H. W., and Dodds.)

Dodson, Frederick W., Madison, N. J. Tire chain or similar device. 2,252,759; Aug. 19.

Dolliver, Morris A. (See Braker, W., Dolliver, Pribyl, and Smith.)

Donaldson Company. (See Lowther, Wilfred W., assignor.)

Donley-Evans & Company. (See Vogenthaler, Clarence A., assignor.)

Douden, William L., Philadelphia, Pa., assignor to Radio Corporation of America. Electric piano construction. 2,252,708; Aug. 19.

Douglass, Edward R., Minot, N. Dak. Blade holder. 2,253,422; Aug. 19.

Dow Chemical Company, The. (See Alquist, F. N., and Slaugh, assignors.)

Dowell, Millard F., Bridgeport, Conn., assignor to General Electric Company. Fan. 2,253,066; Aug. 19.

Draemann, Max, Cologne-Deutz, Germany. Production of rubber threads. 2,253,067; Aug. 19.

Drake, George F., and G. Sorensen, assignors to Woodward Governor Company, Rockford, Ill. Governor. 2,252,838; Aug. 19.

Dressel, Henry M., Chicago, K. C. Allison, Arlington Heights, and E. J. Mastney, Berwyn, assignors to Oak Manufacturing Company, Chicago, Ill. Vibrator. 2,252,882; Aug. 19.

Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Finger holder. 2,252,839; Aug. 19.

Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Double toggle finger holder. 2,252,840; Aug. 19.
Dri-Wear, Inc. (See Muller, O. F., and Schwarz, assignor.)
Drucker, Louis P., Cleveland, Ohio. Calculating device. 2,253,113; Aug. 19.
Drummond, Robert S., assignor to National Broach & Machine Company, Detroit, Mich. Machine tool. 2,252,841; Aug. 19.
Dry Molasses Feed Co. (See Batterman, Herman E., assignor.)
Dubeau, Archie L., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Simultaneously scouring and bleaching with chlorite. 2,253,368; Aug. 19.
Dubeau, Archie L. (See MacMahon, J. D., and Dubeau.)
Duclos, Aeneas J. N., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,252,760; Aug. 19.
Dufault, Homer D., Easthampton, assignor to Holyoke Heater Company, Holyoke, Mass. Cooking and heating range. 2,253,068; Aug. 19.
Dunham, George S. (See Prickett, T. B., and Dunham.)
Dunham, George W., Westport, Conn., assignor to General Electric Company. Door operating mechanism. 2,253,170; Aug. 19.
Dunn, William H., Lexington, Ky. Projectile. 2,253,021; Aug. 19.
Duplex Printing Press Company, The. (See Granger, Wallace H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Babcock, Dale F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bigelow, N. M., and Cole, assignors.)
Du Pont, E. I., de Nemours & Company. (See Bradshaw, William H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George D., assignor.)
Du Pont, E. I., de Nemours & Company. (See Hayes, Paul J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Langkammerer, Carl M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Nydegger, Roland R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Schmitz, William R., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Spanagel, Edgar W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Walker, Joseph F., assignor.)
Durepaire, Pierre, Nantes, France. Jet digger suction head. 2,252,803; Aug. 19.
Durite Plastics, Incorporated. (See Novotny, E. E., and Vogelsang, assignors.)
Eames, William F., Westfield, assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Overquota control system for elevators. 2,253,369; Aug. 19.
Eastern Tool and Manufacturing Company. (See Peterson, Carl E., assignor.)
Eastman Kodak Company. (See Aklin, George H., assignor.)
Eastman Kodak Company. (See Babcock, David L., assignor.)
Eastman Kodak Company. (See Blank, Maurice G., assignor.)
Eastman Kodak Company. (See Clearman, Eugene R., assignor.)
Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)
Eastman Kodak Company. (See Evans, Ralph M., assignor.)
Eastman Kodak Company. (See Jones, J. G., and Davis, assignors.)
Eastman Kodak Company. (See Lowe, Wesley G., assignor.)
Eastman Kodak Company. (See Mannes, L. D., Godowsky, and Wilder, assignors.)
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kadak Company. (See Murray, A., and Morse, assignors.)
Eastman Kodak Company. (See Peterson, Charles W., assignor.)
Eastman Kodak Company. (See Schubert, A. E., Hintz, and Nivison, assignors.)
Eastman Kodak Company. (See Tuttle, C. M., and Cartwright, assignors.)
Eastman Kodak Company. (See Tuttle, C. M., and Koerner, assignors.)
Eaton Manufacturing Company. (See Wallace, William H., assignor.)
Eberts, Edward C., assignor to Stokely Brothers & Company, Inc., Indianapolis, Ind. Can opener. 2,253,481; Aug. 19.
Eckard, Lewis D., Washington, D. C. Multiwave variable resonator. 2,252,919; Aug. 19.
Eckel, John F., Cranford, and W. Morsing, Irvington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Core covering apparatus. 2,253,069; Aug. 19.
Economic Machinery Company. (See Holm, C., and Sjoberg, assignors.)
Edelmann, Leo, Chicago, Ill. Hose coupling. 2,252,920; Aug. 19.
Eidenecier, Fritz, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Fuel injection apparatus for internal combustion engines. 2,253,455; Aug. 19.
Eisenschmid, Otto, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding timer. 2,253,370; Aug. 19.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Hydraulic brake. 2,253,205; Aug. 19.
Eksergian, Carolus L., and J. H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,253,268; Aug. 19.
Electric and Musical Industries Limited. (See Willans, Peter W., assignor.)
Electrical Research Products, Inc. (See Loye, D. P., and Morgan, assignors.)
Electronic Research Corporation. (See Bennett, Willard H., assignor.)
Elevator Supplies Company. (See Bruestle, Carl O., assignor.)
Elkhart Brass Mfg. Co. (See Hansen, Elwood E., assignor.)
Engster, Frank W., Mount Vernon, N. Y., assignor to General Electric Company. Gas cable installation. 2,253,171; Aug. 19.
Entriken, Ralph, Philadelphia, assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Damper regulator. 2,253,328; Aug. 19.
Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp., Inc., Wilmington, Del. Blank holder circuit with automatic release of blank holder pressure on idle stroke. 2,252,881; Aug. 19.
Estes, Phillip H., Rutherford, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Relay. 2,252,761; Aug. 19.
Evans, George, Corporation, The. (See Arnold, Louis E., assignor.)
Evans, Ralph M., assignor to Eastman Kodak Company, Rochester, N. Y. Color correction in printing multilayer film. 2,253,070; Aug. 19.
Evans, Vernie, El Reno, Okla. Shoulder strap holder. 2,253,022; Aug. 19.
Everhart, William C., Cherokee, Iowa. Pump jack. 2,253,114; Aug. 19.
Everson, Roy B., Chicago, Ill. Flow metering apparatus. 2,252,883; Aug. 19.
Fabrice, Edward H., Chicago, Ill. Receptacle and closure therefor. 2,253,023; Aug. 19.
Fahrenwald, Frank A., Chicago, Ill. Support. 2,252,963; Aug. 19.
Farrand, Edith M., Minneapolis, Minn. Folding bassinet. 2,253,024; Aug. 19.
Farrell, William B., Wayne, Mich. Sign structure. 2,252,764; Aug. 19.
Farrow, Frederick R., Jr., Audubon, and E. B. Nichols, assignors to Nichols Products Company, Moorestown, N. J. Electromagnetic pumping apparatus. 2,253,206; Aug. 19.
Faulkner, Arnold T., assignor to United Steel and Wire Company, Battle Creek, Mich. Crate or receptacle. 2,252,964; Aug. 19.
Fedden, Alfred H. R., and F. Nixon, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Vibration damping means. 2,253,025; Aug. 19.
Fehrer, Harold, Nutley, N. J., assignor to Process Management Company, Inc., New York, N. Y. Treatment of hydrocarbons. 2,252,842; Aug. 19.
Feldhausen, Cyril P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Drive for printing presses and other machines. 2,252,762; Aug. 19.
Feldman, Edward D., et al. (See Roberts, Charles H., assignor.)
Feldman, Isaiah, Brooklyn, N. Y. Safety inner tube for pneumatic tires. 2,253,230; Aug. 19.
Fellers, Albert E., Lansing, and B. C. Lord, Clayton, Mich. Article carrier for automobiles. 2,253,423; Aug. 19.
Fellroth, Erick O., assignor to Martin Brothers Company, Minneapolis, Minn. Drop seat garment. 2,252,884; Aug. 19.
Fellroth, Erick O., assignor to Martin Brothers Company, Minneapolis, Minn. Drop seat garment. 2,252,885; Aug. 19.
Ferrell, Dent, St. Petersburg, Fla., and A. W. Helmholtz, Harrisburg, Ill.; K. Helmholtz, executor of A. W. Helmholtz, deceased, assignors to Cardox Corporation, Chicago, Ill. Mechanical gas pressure device. 2,253,115; Aug. 19.
Fetterman, Oscar B., Washington, D. C. Table. 2,253,172; Aug. 19.
Fetterolf, Layton R., Langhorne, Pa. Handle for files. 2,252,965; Aug. 19.
Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Lubberger, Fritz, assignor.)
Field, Edward A., Jr., Chicago, Ill. Draft control. 2,253,290; Aug. 19.
Findlay, James T., Abilene, Kans. Lawn edger. 2,253,116; Aug. 19.
Firestone Tire & Rubber Company, The. (See Brown, Roy W., assignor.)

Fischer, Ernst, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation. Mono-azo dyestuffs insoluble in water. 2,252,843; Aug. 19.
Fischer, Ernst, Offenbach-on-the-Main, and E. Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Azo dyestuffs insoluble in water. 2,252,844; Aug. 19.
Fischer, Leo A., Osborn, Ohio. Valve. 2,253,371; Aug. 19.
Fischer, Leo A., Springfield, Ohio. Valve. 2,253,372; Aug. 19.
Fischman Company, The. (See Selig, Milton, assignor.)
Fleming-Williams, Brian C., Cranford, England. Cathode ray tube. 2,252,744; Aug. 19.
Flynn, Edward J., Schenectady, N. Y., assignor to General Electric Company. Wire coating apparatus. 2,253,173; Aug. 19.
Fogelson, Emile, New York, N. Y. Lock. 2,252,966; Aug. 19.
Földi, Zoltán, and Árpád Gerecs, Budapest, Hungary. Preparation of vitamin B_1. 2,252,921; Aug. 19.
Folkers, Karl, Plainfield, and F. Koniuszy, assignors to Merck & Co. Inc., Rahway, N. J. Erythramine and its production. 2,252,709; Aug. 19.
Food Machinery Corporation. (See Kerr, Charles E., assignor.)
Food Machinery Corporation. (See Van Wyk, Paul, assignor.)
Forsthoefel, Gregg F., and H. D. White, assignors to Revco, Inc., Adrian, Mich. Ice cream vending machine. 2,253,482; Aug. 19.
Forton, George, Detroit, Mich. Gearing. 2,252,967; Aug. 19.
Foss, William L., Washington, D. C., assignor to Howton Radio Alarm Company, Seattle, Wash. Radio alarm system. 2,252,710; Aug. 19.
Franknoi, Rudolph, Matyasfold, assignor to Magyar Ruggyantaarugyar Reszvenytarsasag, Budapest, Hungary. Manufacture of hollow rotating bodies. 2,253,291; Aug. 19.
Francis, Carleton S., Jr., New York, N. Y. Textile and making the same. 2,253,000; Aug. 19.
Francis, Joe M. (See Hunt, W. S., and Francis.)
Frankland, Edwin, Detroit, Mich. Furnace. 2,252,968; Aug. 19.
Freeman-Daughaday Company. (See Hopfenberg, Irving, assignor.)
Freeman, Stanley C., Mount Vernon, assignor to R. Hoe & Co., Inc., Bronx, N. Y. Web roll controlling mechanism. 2,252,969; Aug. 19.
French, Henry C., assignor to The Heil Co., Milwaukee, Wis. Scraper. 2,252,763; Aug. 19.
Fresc, Joseph F., trustee. (See McCauley, John H., assignor.)
Friedell, Philip A., Oakland, Calif. Sensitometer, actinometer, and photographic characteristic measuring scale. 2,253,231; Aug. 19.
Friedman, Daniel, Chicago, Ill. Cowl. 2,253,117; Aug. 19.
Friedrichs, Werner. (See Hübner, G., and Friedrichs.)
Furst, Ulrich R., Brookline, Mass. Measuring instrument. 2,253,174; Aug. 19.
Fusco, Carlo J., San Francisco, Calif. Stapling machine. 2,252,886; Aug. 19.
Gabrielson, William A., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 2,253,424; Aug. 19.
Gaddis, Robert W., Poughkeepsie, N. Y. Wiper. 2,253,269; Aug. 19.
Gaebel, George T., Omaha, Nebr. Polishing device. 2,252,765; Aug. 19.
Gaines, Floyd. (See Kimple, L. C., and Gaines.)
Galion Iron Works & Manufacturing Company, The. (See Arndt, Franklin E., assignor.)
Gallinger, Milo O., Hartland, Mich., assignor to J. R. Crouse, Cleveland Heights, Ohio. Hand loom. 2,253,329; Aug. 19.
Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., Container handling apparatus. 2,252,845; Aug. 19.
Garland, Ruby R. (See Garland, Walter S. and R. R.)
Garland, Walter S., assignor to R. R. Garland, Oakland, Calif. Electric switch. 2,253,425; Aug. 19.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,252,711; Aug. 19.
Gass, Harold, New York, N. Y. Antichatter device. 2,252,804; Aug. 19.
Gedris, Stanley J., Grand Rapids, Mich. Chair back construction. 2,252,970; Aug. 19.
General Aniline & Film Corporation. (See Christmann, Friedrich, assignor.)
General Aniline & Film Corporation. (See Fischer, Ernst, assignor.)
General Aniline & Film Corporation. (See Fischer, E., and Heinrich, assignors.)
General Aniline & Film Corporation. (See Winkeler, H., Petz, Keller, and Neumann, assignors.)
General Electric Company. (See Anderson, F. H., and Lehman, assignors.)
General Electric Company. (See Ayers, Edgar H., assignor.)
General Electric Company. (See Beymer, Oliver H., assignor.)
General Electric Company. (See Dowell, Millard F., assignor.)
General Electric Company. (See Dunham, George W., assignor.)
General Electric Company. (See Engster, Frank W., assignor.)
General Electric Company. (See Flynn, Edward J., assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Le Count, George E., assignor.)
General Electric Company. (See Lord, Harold W., assignor.)
General Electric Company. (See McDonald, Gordon R., assignor.)
General Electric Company. (See Morrill, Wayne J., assignor.)
General Electric Company. (See Paul, William E., assignor.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Russell, John J., assignor.)
General Electric Company. (See Savage, M. H., and Butler, assignors.)
General Electric Company. (See Seeley, Harold T., assignor.)
General Electric Company. (See Shaw, Hubert R., assignor.)
General Electric Company. (See Stewart, Clyde E., assignor.)
General Motors Corporation. (See Cramer, Raymond H., assignor.)
General Motors Corporation. (See Delaval-Crow, Thomas C., assignor.)
General Motors Corporation. (See Keiper, Francis, assignor.)
General Motors Corporation. (See Reeves, Donald H., assignor.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Printing Ink Corporation. (See Curado, Joseph G., assignor.)
General Steel Castings Corporation. (See Pagenkemper, Arthur H., assignor.)
Gerecs, Árpád. (See Földi, Z., and Gerecs.)
Gerquest, Arthur S., Ridgewood, N. J. Fuel burner. 2,253,175; Aug. 19.
Gheen, Robert L., Eugene, Ore. Pipe coupler latch. 2,253,232; Aug. 19.
Giannini, Gabriel M., Great Neck, and R. W. Carlisle, Greenburg, N. Y., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Acoustic device. 2,252,846; Aug. 19.
Gibson, J. L., et al. (See Stanford, William T., assignor.)
Giese, August F., Jr., Gary, Ind. Clay gun. 2,252,712; Aug. 19.
Gillen, George A., Bronx, N. Y. Electrical machine. 2,252,887; Aug. 19.
Gillespie, Samuel S., and M. C. Richards, Globe, Ariz. Pneumatic connection. 2,253,118; Aug. 19.
Gleason Works. (See Wildhaber, Ernest, assignor.)
Globe Company, The. (See Tomlinson, William K., assignor.)
Godowsky, Leopold, Jr. (See Mannes, L. D., Godowsky, and Wilder.)
Godsey, Frank W. Jr., assignor to Sprague Specialties Co., North Adams, Mass. Electrical condenser. 2,253,026; Aug. 19.
Goerth, Johannes, Berlin-Grunewald, assignor to Siemens Apparate Und Maschinen Gesellshaft mit beschränkter Haftung, Berlin, Germany. Bearing means for shafts. 2,253,119; Aug. 19.
Golber, Hyman E., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Gear. 2,253,270; Aug. 19.
Goldberg, Samuel D., Jamaica Estates, and W. F. Ringk, Hollis, assignors to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y. Local anesthetic intermediate, and manufacturing the same. 2,252,713; Aug. 19.
Goldsmith, Alfred N., New York, N. Y. Color television system. 2,253,292; Aug. 19.
Goldstein, Joseph, Los Angeles, Calif. Ophthalmic mounting. 2,252,922; Aug. 19.
Goldstein, Morris E., Denver, Colo. Miniature saddle. 2,252,971; Aug. 19.
Gordon, William F., West Redding, Conn., and W. H. Marsh, Crafton, Pa., assignors to Atlas Electric Sprayer Corporation, New York, N. Y. Portable electric sprayer. 2,253,071; Aug. 19.
Goserud, Chester O., St. Paul, Minn. Lawn edger. 2,252,888; Aug. 19.
Goss Printing Press Company, The. (See Worthington, Emory W., assignor.)
Gouldbourn, Joseph, and T. A. Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sewing machine. 2,253,233; Aug. 19.
Graefe, Kurt H., Berlin, Germany. Producing luminescent screens. 2,253,426; Aug. 19.

Grand Rapids Store Equipment Company. (See Vanderveld, Charles F., assignor.)
Granetz, Frank A., Huntington, N. Y. Valve. 2,252,923; Aug. 19.
Granger, Wallace H., San Francisco, Calif., assignor to The Duplex Printing Press Company, Battle Creek, Mich. Printing press. 2,253,120; Aug. 19.
Graves, George DeW., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for production of structures. 2,253,176; Aug. 19.
Greenberg, Harry W., et al. (See Roberts, Charles H., assignor.)
Greenspan, Louis, Brooklyn, N. Y. Self-cleaning sanitary comb. 2,253,373; Aug. 19.
Greenspan, Sidney A., Chicago, Ill. Combination mute. 2,252,847; Aug. 19.
Greif, Edward J., assignor to Borg-Warner Corporation, Chicago, Ill. Making tubs. 2,253,293; Aug. 19.
Grevas, Steve, Nameoki, Ill. Fuel heating attachment. 2,252,972; Aug. 19.
Grice, William S., London, England. Building brick. 2,253,234; Aug. 19.
Griffin, Floyd P., Clifton, Tex. Wire handling implement. 2,253,121; Aug. 19.
Grohn, Fred W., assignor of thirty percent to J. J. Lavin, twenty percent to J. J. Pubins, seventeen and one-half percent to F. Kunza, twenty percent to H. P. Grohn, and five percent to G. Sidy, Chicago, Ill. Overload releasing clutch. 2,253,466; Aug. 19.
Grohn, Henry P., et al. (See Grohn, Fred W., assignor.)
Grossman Music Company. (See Thompson, Josephus, assignor.)
Grounds, Rollie T. (See Webb, R. D., and Grounds.)
Gruden, Jack E., Baltimore, Md. Carrier controlled exhibitor. 2,252,805; Aug. 19.
Gruenstein, Edgar, New York, and H. Pollack, New Rochelle, assignors to Hargar, Inc., New York, N. Y. Water heater. 2,253,072; Aug. 19.
Gruninger, John, 2nd. (See Senn, Charles W., assignor.)
Guiberson Corporation, The. (See Pranger, Albert, assignor.)
Gulf Oil Corporation. (See Cantrell, T. L., and Turner, assignors.)
Gulf Research & Development Company. (See Pepper, Theodore B., assignor.)
Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
Häberle, Albert, and F. Koppitz, Essen, Germany, assignors, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Coke oven charging mechanism. 2,252,807; Aug. 19.
Hachtel, Wilhelm, Musberg-on-the-Fils, Germany. Curtain rod of the railway type. 2,253,427; Aug. 19.
Hacmac, Edward R., Hollywood, Calif., assignor to Na-Mac Products Company. Combined shearing device and closure for liquid dispensers. 2,253,177; Aug. 19.
Hafta Handelsgesellschaft für Technische Neuheiten mit beschränkter Haftung. (See Hübner, G., and Friedrichs, assignors.)
Hale, Byford C., Tulsa, Okla. Valve. 2,252,924; Aug. 19.
Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Double snap fastener and installation of the same. 2,252,925; Aug. 19.
Hall, Elwin B., and A. L. Armentrout, Los Angeles, Calif., assignors to Security Engineering Co. Inc. Testing and producing the fluids of the earth formations encountered in wells. 2,252,973; Aug. 19.
Hall, Elwin B., et al. (See Armentrout, Arthur L., assignor.)
Hall, Elwin B., et al. (See Claire, Guy K., assignor.)
Hall, Everett J., deceased, by H. L. Hall, executrix, Elizabeth, assignor to Metals Disintegrating Company, Inc., Union Township, Union County, N. J. Process and apparatus for making metal powder. 2,252,714; Aug. 19.
Hall, Harriet L., executrix. (See Hall, Everett J.)
Hall, Otis, Detroit, Mich. Toasting machine. 2,253,027; Aug. 19.
Hamant, Edward W., Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich. Ink circulating mechanism. 2,253,122; Aug. 19.
Hamant, Edward W. (See Casto, L. V., von Webern, and Hamant.)
Hamilton, Bertis F., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Bottle carrier. 2,252,848; Aug. 19.
Hamilton, Walter H., assignor to Bottlers Equipment Company, Fort Worth, Tex. Mixing machine. 2,253,271; Aug. 19.
Hammond, John Hays, Jr., Gloucester, Mass. Light and sound signaling system. 2,252,849; Aug. 19.
Hanna, Atto N., Newark, N. J. Loose-leaf binder. 2,252,926; Aug. 19.
Hansen, Elwood E., Elkhart, Ind., assignor to Elkhart Brass Mfg. Co. Nozzle holder. 2,253,272; Aug. 19.
Hargar, Inc. (See Gruenstein, E., and Pollack, assignors.)
Hart-Carter Company. (See Holtzman, William A., assignor.)
Hart, Frederick D., Middlesboro, Ky. Windshield wiper. 2,253,029; Aug. 19.
Hart, Leo W., Milwaukee, Wis., assignor to Butcher Boy Corporation. Meat tenderizing machine. 2,253,123; Aug. 19.
Hartford-Empire Company. (See Wadman, H. A., and Smith.)
Hartmann, Max, Richen, and E. Schlittler, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Manufacture of preparations influencing the blood pressure. 2,253,124; Aug. 19.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 2,252,889; Aug. 19.
Haskell, Henry C., assignor to Brunswick Worsted Mills, Inc., Moosup, Conn. Woven fabric. 2,253,374; Aug. 19.
Hasselblads Fotografiska Aktiebolag. (See Cronström, Stig H., assignor.)
Hassig, Edward, assignor to Wetmore Reamer Company, Milwaukee, Wis. Rotary cutting tool. 2,253,028; Aug. 19.
Hauschild, Walter. (See Heineke, H., and Hauschild.)
Hawaiian Pineapple Company. (See Lloyd, R. H., and Youd, assignors.)
Hawkridge Brothers Company, et al. (See Shortell, W. H., and Hawkridge, assignors.)
Hawkridge, Leslie D. (See Shortell, W. H., and Hawkridge.)
Haycock, John, Larchmont, assignor to Continental Can Company, Inc., New York, N. Y. Shipping carton for cone top cans. 2,253,273; Aug. 19.
Hayes, Paul J., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thread production. 2,253,073; Aug. 19.
Hazeltine Corporation. (See Lewis, Harold M., assignor.)
Hazeltine Corporation. See Taylor, Maurice K., assignor.)
Hazeltine Corporation. (See Wilson, John C., assignor.)
Heard, Llewellyn, Hammond, Ind., and A. G. Oblad, assignors to Standard Oil Company, Chicago, Ill. Gasoline manufacture. 2,252,927; Aug. 19.
Heckman, Joseph C., assignor to Potter Title and Trust Company, Pittsburgh, Pa. Making pigments. 2,253,274; Aug. 19.
Heiberg, Elon W., Wallvik, Sweden. Pulp screen. 2,252,890; Aug. 19.
Heddon, John, assignor to James Heddon's Sons, Dowagiac, Mich. Violin bow. 2,252,929; Aug. 19.
Heddon's, James, Sons. (See Heddon, John, assignor.)
Heft, Kenneth G. (See Rapp, E. J., and Heft.)
Heil Co., The. (See French, Henry C., assignor.)
Heineke, Heinrich, Hamburg-Altona, and W. Hauschild, Hamburg-Rissen, Germany. Fishing hook, particularly for the catching of big fish. 2,253,125; Aug. 19.
Heinrich, Ernst. (See Fischer, E., and Heinrich.)
Heinrich, Walter A., Richmond Heights, assignor to James R. Kearney Corporation, St. Louis, Mo. Knurling tool. 2,252,891; Aug. 19.
Helmholtz, Arthur W. (See Ferrell, D., and Helmholtz.)
Helmholtz, Karl, executor. (See Ferrell, D., and Helmholtz.)
Hempel, Charles H., Manitowoc, Wis., assignor to Heresite & Chemical Company. Pigmented material. 2,253,235; Aug. 19.
Hempel, Emil, assignor to Franz Braun A.-G., Zerbst, Germany. Injection molding machine. 2,253,460; Aug. 19.
Henderson, George T., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Packing. 2,253,428; Aug. 19.
Hennessy, John F., assignor to Geo. D. Roper Corporation, Rockford, Ill. Oven burner for gas ranges. 2,253,178; Aug. 19.
Henney Motor Company. (See Schofield, Earl L., assignor.)
Henninger, Philip E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding. 2,253,375; Aug. 19.
Hentrich, Winfrid, Dusseldorf-Reisholz, C. A. Lainau, deceased, by A. Bartholomaus, administrator, Dusseldorf, and W. J. Kaiser, Dessau, Germany, assignors, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio. Substituted hydroaromatic amides. 2,253,179; Aug. 19.
Hercules Powder Company. (See Peterson, John M., assignor.)
Heresite & Chemical Company. (See Hempel, Charles H., assignor.)
Hersey, Arthur J., and C. L. Madden, Minneapolis, Minn. Vehicle. 2,253,330; Aug. 19.
Hess, Roger L., Elgin, Ill. Metatarsal pad. 2,253,429; Aug. 19.
Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Manufacture of one-piece, dry-sealing window envelopes. 2,252,806; Aug. 19.
Higgins, Ralph, Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Breather for liquid containers. 2,253,295; Aug. 19.

Higgs, Charles W., London, England, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,253,294; Aug. 19.
Hill, Hermann, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Razor. 2,252,850; Aug. 19.
Hillman, William C. (See Trumble, J., and Hillman.)
Hinde & Dauch Paper Company, The. (See Henderson, George T., assignor.)
Hintz, Harvey P. (See Schubert, A. E., Hintz, and Nivison.)
Hintz, Paul, Marshall, Tex. Handle for baskets and like receptacles. 2,252,930; Aug. 19.
Nippen, Ralph W., Hobart, Okla. Projectile. 2,253,074; Aug. 19.
Hoburg, William L., trustee. (See Probst, Karl K., assignor.)
Hoch, Otto M., Rochester, and C. J. Studeman, Webster, assignors to M. D. Knowlton Co., Rochester, N. Y. Laminated tube winding machine. 2,253,275; Aug. 19.
Hoe, R., & Co. (See Freeman, Stanley C., assignor.)
Holden, William H. T., Woodside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,252,766; Aug. 19.
Holm, Carl, Worcester, and H. A. E. Sjoberg, North Grafton, assignors to Economic Machinery Company, Worcester, Mass. Bottle feed and holdback motion. 2,252,931; Aug. 19.
Holtzman, William A., assignor to Hart-Carter Company, Peoria, Ill. Screen for threshing machines. 2,253,296; Aug. 19.
Holyoke Heater Company. (See Dufault, Homer D., assignor.)
Hooker Electrochemical Company. (See Sconce, J. S., and Berlinghoff, assignors.)
Hoover Company, The. (See Demaree, H. S., and Sellers, assignors.)
Hoover Company, The. (See Smellie, Ronald G., assignor.)
Hoover, Ray, Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph perforator. 2,252,852; Aug. 19.
Hoover, Ray, Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Web controlled signal. 2,252,853; Aug. 19.
Hopfenberg, Irving, Providence, R. I., assignor to Freeman-Daughaday Company. Making a jewelry article. 2,252,851; Aug. 19.
Hopkins, Robert K., assignor to M. W. Kellogg Co., New York, N. Y. Electric metal fusing apparatus. 2,253,207; Aug. 19.
Hoppe, Charles T., Platte, S. Dak. Mailbox signal. 2,253,461; Aug. 19.
Horlacher, Albert F. (See Woodruff, A. E., and Horlacher.)
Hondry Process Corporation. (See Prickett, T. B., and Dunham, assignors.)
Houghton, Albert A., Saltcoats, and J. Craik, Stevenston, Scotland, assignors to Imperial Chemical Industries Limited. Gelatinous solutions of cellulose compounds. 2,253,297; Aug. 19.
Houseman, Harold E., assignor to Scott and Williams, Incorporated, Laconia, N. H. Knitted stocking and making the same. 2,252,768; Aug. 19.
Houseman, Harold E., assignor to Scott and Williams, Incorporated, Laconia, N. H. Knitting method and machine. 2,252,769; Aug. 19.
Houseman, Harold E., assignor to Scott and Williams, Incorporated, Laconia, N. H. Knitting machine. 2,253,331; Aug. 19.
Howard, Frank A., Elizabeth, N. J. Rotary clutch. 2,253,299; Aug. 19.
Howell, R. R., Company. (See Lageson, Arnold J., assignor.)
Howton Radio Alarm Company. (See Foss, William L., assignor.)
Hübner, Gustav, and W. Friedrichs, assignors to Hafta Handelsgesellschaft für Technische Neuheiten mit beschränkter Haftung, Berlin, Germany. Tubular container. 2,252,854; Aug. 19.
Hudson, Frank M., Walnut Park, assignor to Pacific Pump Works, Huntington Park, Calif. Standing valve puller. 2,252,767; Aug. 19.
Huey, Everett L., Columbus, Ohio. Illuminated house number holder. 2,253,236; Aug. 19.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electric valve excitation circuits. 2,253,180; Aug. 19.
Humoco Corporation. (See Moore, George A., assignor.)
Hunt, Waller S., and J. M. Francis, Roanoke, Va. Radio cartographic position indicator. 2,253,430; Aug. 19.
Hurst, Max, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Liquid supply container. 2,253,467; Aug. 19.
Hutton, Alfred. (See Seibel, E. F., and Hutton.)
Hyde, Hubert J., Detroit, Mich. Building board. 2,253,298; Aug. 19.
Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)
Hydraulic Development Corp. Inc., The. (See Ernst, Walter, assignor.)
Hygrade Sylvania Corporation. (See Miller, Carl F., assignor.)
I. G., Farbenindustrie, Aktiengesellschaft. (See Kallmann, H. I., and Kuhn, assignors.)
Illinois Railway Equipment Company. (See Johnson, Malcolm S., assignor.)
Imperial Chemical Industries Limited. (See Houghton, A. A., and Craik, assignors.)
Institute of Paper Chemistry, The. (See Van den Akker, Johannes, A., assignor.)
International Cigar Machinery Company. (See Broekhuysen, William C., assignor.)
International Cigar Machinery Company. (See Clausen, Sigurd, assignor.)
International Cigar Machinery Company. (See Schmitt, Frank R., assignor.)
Inventions and Specialties, Inc. (See Levy, Solomon M., assignor.)
Iodent Chemical Company. (See Lautmann, Alfred J., assignor.)
Ipatieff, Vladimir N., and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of ketones and aldehydes. 2,253,034; Aug. 19.
Irwin, Marco F., Toronto, Ontario, Canada. Humidifier. 2,253,237; Aug. 19.
Jackson, Arthur L., West Asheville, assignor to American Enka Corporation, Enka, N. C. Apparatus for winding strandular material. 2,253,238; Aug. 19.
Jackson, Arthur L., West Asheville, assignor to American Enka Corporation, Enka, N. C. Bobbin. 2,253,488; Aug. 19.
Jackson, Robert E., Dedham, Mass. Key holder and protector. 2,253,332; Aug. 19.
Jaeckel, Adolph C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Conveyer. 2,253,333; Aug. 19.
James, Robert B., Verona, N. J., assignor to Radio Corporation of America. Light sensitive electrode and manufacture. 2,252,770; Aug. 19.
Jeffers, Thomas H., Paden City, W. Va. Glass pressing machine. 2,253,276; Aug. 19.
Jeffers, Thomas H., Paden City, W. Va. Glass feeding device. 2,253,277; Aug. 19.
Jeffries, Ben G., Atlanta, Ga. Push toy. 2,253,030; Aug. 19.
Jenkins, William R. (See Casey, William D., Jr., assignor.)
Johansen, Christopher, Los Angeles, Calif. Clutch. 2,253,431; Aug. 19.
Johnson, Francis E., Mount Vernon, N. Y. Toy. 2,253,075; Aug. 19.
Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sheet metal nut and nut installation. 2,252,932; Aug. 19.
Johnson, Frederick B., Murraysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lightning arrester block. 2,253,376; Aug. 19.
Johnson, Frederick B. (See Berkey, W. E., and Johnson.)
Johnson, George T., and H. A. Moeller, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Spring group arrangement. 2,253,239; Aug. 19.
Johnson, James H. (See Knowland, R. G., and Johnson.)
Johnson Laboratories, Inc. (See McGall, Philip K., assignor.)
Johnson Laboratories, Inc. (See Whipple, Allen D., assignor.)
Johnson, Malcolm S., assignor to Illinois Railway Equipment Company, Chicago, Ill. Brake head wear element. 2,253,031; Aug. 19.
Johnson, Tomlinson F., Atlanta, Ga. Tap clamp. 2,253,432; Aug. 19.
Jones, Homer W., Westfield, N. J., and H. H. Moss, Brooklyn, and G. W. Patch, Jr., Kenmore, N. Y., assignors to The Linde Air Products Company. Cutting or welding and heat-treating apparatus. 2,253,377; Aug. 19.
Jones, John G., and M. P. Davis, assignors to Eastman Kodak Company, Rochester, N. Y. Strip material take-up. 2,253,076; Aug. 19.
Jordan, Jones S., Chester Heights, Pa. Rack with means for securing the contents. 2,253,181; Aug. 19.
Jung, Albert H., Flushing, assignor to United American Metals Corporation, Brooklyn, N. Y. Slip-off ingot and feeder therefor. 2,252,808; Aug. 19.
Kaiser, Wilhelm J. (See Hentrich, W., Lainau, and Kaiser.)
Kalischer, Philip R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Treating nickel-bearing alloys. 2,253,334; Aug. 19.
Kallmann, Hartmut I., formerly known as H. Kallmann, Berlin-Charlottenburg, and E. Kuhn, Berlin, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for the production of a ray of slow neutrons. 2,253,035; Aug. 19.
Karlberg, Ernest J., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Universal joint. 2,253,300; Aug. 19.
Katcher, Morris, New York, N. Y. Hydraulic steering stabilizer. 2,252,771; Aug. 19.
Katcher, Morris, New York, N. Y. Hydraulic steering stabilizer. 2,252,772; Aug. 19.
Kath, Alfred W., and A. Colton, assignors to Arthur Colton Company, Detroit, Mich. Capsule forming mechanism. 2,253,301; Aug. 19.
Kearney, James R., Corporation. (See Heinrich, Walter A., assignor.)
Kearney, James R., Corporation. (See Tallman, Oscar F., assignor.)

Keiper, Francis P., Washington, D. C., assignor to General Motors Corporation, Detroit, Mich. Refrigerating apparatus. 2,253,126; Aug. 19.
Keller, Cleo D., Farrington, Wyo. Pitman connection. 2,253,032; Aug. 19.
Keller, Werner. (See Winkeler, H., Petz, Keller, and Neumann.)
Kellogg, Leonard A., assignor to The Crosley Corporation, Cincinnati, Ohio. Rapid selector means for radio sets and the like. 2,253,433; Aug. 19.
Kellogg, M. W., Co. (See Hopkins, Robert K., assignor.)
Kenyon, Alonzo F., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,253,378; Aug. 19.
Kernick, John C., Danbury, Conn. Holder for foodstuffs while roasting. 2,253,434; Aug. 19.
Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Cornhusker. 2,252,933; Aug. 19.
Kestell, Thomas A. (See Gouldbourn, J., and Kestell.)
Kiel, John R., Evanston, assignor to M. R. Kiel, Wilmette, Ill. Sound on film. 2,253,302; Aug. 19.
Kiel, Mary R. (See Kiel, John R., assignor.)
Klerner, Anton, assignor to E. Prazak, Elizabeth, N. J. Sewing machine. 2,253,077; Aug. 19.
Kimple, Louie C., and F. Gaines, assignors to Dixie Wax Paper Company, Inc., Dallas, Tex. Means for sealing packages. 2,253,036; Aug. 19.
Kinn, Theodore P., Woodlawn, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ultra high frequency adjustable antenna. 2,253,379; Aug. 19.
Klarer, Willi. (See Miescher, K., Urech, and Klarer.)
Klarmann, Emil, Jersey City, N. J., assignor to Lehn & Fink Products Corporation. Germicidal preparation. 2,253,182; Aug. 19.
Kline, John E., Grosse Pointe Farms, assignor to Micromatic Hone Corporation, Detroit, Mich. Tapered honing tool. 2,252,809; Aug. 19.
Knapp-Monarch Company. (See Collins, Harry L., assignor.)
Knapp-Monarch Company. (See Knapp, Raymond, assignor.)
Knapp-Monarch Company. (See Kochner, William B., assignor.)
Knapp, Raymond, Long Island City, assignor to Knapp-Monarch Company, St. Louis, Mo. Dry shaver cutter head. 2,253,037; Aug. 19.
Knowland, Richard G., Pelham, and J. H. Johnson, Amsterdam, N. Y., assignors to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Fabric supporting and feeding apparatus. 2,253,380; Aug. 19.
Knowlton, M. D., Co. (See Hoch, O. M., and Studeman, assignors.)
Koberne, Irene. (See Weingand, R., and Koberne.)
Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oscillating fan. 2,253,127; Aug. 19.
Kochner, William B., assignor to Knapp-Monarch Company, St. Louis, Mo. Fan motor frame construction. 2,253,033; Aug. 19.
Koerner, Allan M. (See Tuttle, C. M., and Koerner.)
Koniuszy, Frank. (See Folkers, K., and Koniuszy.)
Koppers Company. (See Daniels, Joseph, assignor.)
Koppers Company. (See Häberle, A., and Koppitz, assignors.)
Koppers Company. (See Koppers, H., Totzek, and Linder, assignors.)
Koppers, Heinrich, F. Totzek, and W. Linder, Essen, Germany, assignors, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Carrying out endothermic gas reactions in regenerative gas heaters. 2,252,810; Aug. 19.
Koppitz, Fritz. (See Häberle, A., and Koppitz.)
Kottmann, Arthur A., Davenport, Iowa. Apparatus for holding and grinding flexible blades. 2,252,892; Aug. 19.
Krantz, Hubert K., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit controlling device. 2,253,335; Aug. 19.
Krenach, John, Detroit, Mich. Bottleneck. 2,253,336; Aug. 19.
Kuhn, Ernst. (See Kallmann, H. I., and Kuhn.)
Kunza, Frank, et al. (See Grohn, Fred W., assignor.)
Lacey, Edward, Schenectady, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Diode-triode apparatus. 2,253,337; Aug. 19.
Lacey, Roscoe B. (See Webber, Joseph T., assignor.)
Lageson, Arnold J., assignor to R. R. Howell Company, Minneapolis, Minn. Pump for pitless wells. 2,252,773; Aug. 19.
Lainau, Carl A. (See Hentrich, W., Lainau, and Kaiser.)
Lamson Company, The. (See Regan, John E., assignor.)
Lang, Josef, Altena, in Westphalia, assignor to P. A. Rentrop Akt. Ges., Stadthagen, Lippe, Germany. Connection of the ends of wires. 2,253,435; Aug. 19.
Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounds of group IV-B elements with alpha-beta unsaturated acids. 2,253,128; Aug. 19.
Languis, Manuel. (See Barrett, O. A., Languis, and McFall.)
Lapointe, Francis J., assignor, by mesne assignments, to American Broach & Machine Co., Ann Arbor, Mich. Broaching machine. 2,253,303; Aug. 19.
Lasch, Harry E., Chicago, Ill. Fastening means for detachably securing handles to operating shafts. 2,252,855; Aug. 19.
Laurie, Kenneth S. (See Brown, A. S., Dalglish, and Laurie.)
Lautmann, Alfred J., assignor to Iodent Chemical Company, Detroit, Mich. Cough drop. 2,252,934; Aug. 19.
Lavin, John J., et al. (See Grohn, Fred W., assignor.)
Layne, Leslie A., Houston, Tex., assignor to The Texas Company. Portable graveling equipment. 2,253,468; Aug. 19.
Le Count, George E., Pittsfield, Mass., assignor to General Electric Company. Spring drive mechanism. 2,253,183; Aug. 19.
Lee, Harry, Burlingame, Calif. Knockdown cabinet. 2,253,038; Aug. 19.
Lee, Paul R., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostatic member. 2,253,382; Aug. 19.
Lee, Reuben, Catonsville, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Harmonic reduction circuits. 2,253,381; Aug. 19.
Lehman, Ernest H. (See Anderson, F. H., and Lehman.)
Lehn & Fink Products Corporation. (See Klarmann, Emil, assignor.)
Leighton, John W., Port Huron, Mich. Automobile suspension. 2,253,436; Aug. 19.
Leimer, Karl, Dresden-Zschieren, Germany. Hydraulic pot press, which serves for pressing cocoa butter from the liquid cocoa mass. 2,253,437; Aug. 19.
Lentz, William A. (See Baisden, A. B., and Lentz.)
Lesage, Alfred, Schweinfurt, Germany. Hub brake mechanism. 2,252,774; Aug. 19.
Levy, Solomon M., assignor to Inventions & Specialties, Inc., Los Angeles, Calif. Glare shield structure for automobiles. 2,252,715; Aug. 19.
Levy, Solomon M., assignor to Inventions and Specialties, Inc., Los Angeles, Calif. Automobile visor and rear vision mirror support construction. 2,252,716; Aug. 19.
Levy, Sydney J. (See Di Lucci, Anthony J, assignor.)
Lewis, George, Los Angeles, assignor to The T. J. Cardoza Co., Ltd., San Francisco, Calif. Loose-leaf binder. 2,253,039; Aug. 19.
Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Modulated-carrier signal receiver. 2,253,338; Aug. 19.
Lewis, Howard S., Detroit, Mich. Gauge and tool. 2,253,278; Aug. 19.
Leydecker, Charles P., St. Louis, Mo. Balancing a foot within a shoe. 2,252,936; Aug. 19.
Libbey-Owens-Ford Glass Company. (See Byers, John F., assignor.)
Libbey-Owens-Ford Glass Company. (See Sarver, Roger G., assignor.)
Lichtenstein, Moe, New York, N. Y. Turbine driven refrigerator. 2,252,775; Aug. 19.
Liedberg, Carl E., Chicago, Ill. Dentistry jaw. 2,252,935; Aug. 19.
Linde Air Products Company, The. (See Bliss, L. A., and Murphy, assignors.)
Linde Air Products Company, The. (See Jones, H. W., Moss, and Patch, assignors.)
Linder, Willy. (See Koppers, H., Totzek, and Linder.)
Link-Belt Company. (See Schneider, Charles A., assignor.)
Link, Fred C., East St. Louis, Ill., and W. E. Link, St. Louis, Mo. Lehr loader. 2,252,937; Aug. 19.
Link, William E. (See Link, Fred C., and W. E.)
Livermore, Dorothea F., Brooklyn, N. Y. Underskirt. 2,253,339; Aug. 19.
Livingston, John W. (See Bone, H. L., and Livingston.)
Lloyd, Robert H., Honolulu, and J. T. Youd, Lanakai, Oahu, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Apparatus for cooling cans. 2,253,383; Aug. 19.
Lockwood, Edwin H. (See Lown, L. E., and Lockwood.)
Locomotive Finished Material Company, The. (See Muchnic, Henry E., assignor.)
Loew, Paul W., Chicago, assignor of one-half to E. R. Becker, Oak Park, Ill. Navigating instrument. 2,253,279; Aug. 19.
Logan, George L. (See Potts, J., and Logan.)
Lord, Byron C. (See Fellers, A. E., and Lord.)
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Circuit interrupter. 2,253,129; Aug. 19.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric discharge apparatus. 2,253,184; Aug. 19.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric discharge apparatus. 2,253,185; Aug. 19.
Lord, Hugh C., assignor to Lord Manufacturing Company, Erie, Pa. Joint. 2,252,938; Aug. 19.
Lord Manufacturing Company. (See Lord, Hugh C., assignor.)
Lormor, Henry W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Article trimming apparatus. 2,253,280; Aug. 19.

Losee, Daniel W., Patchogue, N. Y. Metal sheet and making and using the same. 2,252,776; Aug. 19.
Lotz, Rudolph W. (See Cowles, Irving.)
Lowe, Wesley G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic silver halide emulsion. 2,253,078; Aug. 19.
Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure system. 2,253,240; Aug. 19.
Lowell, Percival D., Chevy Chase, Md. Intercarrier noise suppressor system. 2,252,811; Aug. 19.
Lown, Lester E., and E. H. Lockwood, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oven door construction. 2,253,384; Aug. 19.
Lowther, Wilfred W., assignor to Donaldson Company, Inc., St. Paul, Minn. Crankcase ventilating system. 2,252,974; Aug. 19.
Loye, Donald P., Beverly Hills, and K. F. Morgan, Los Angeles, Calif., assignors to Electrical Research Products, Inc., New York, N. Y. Sound characteristic control. 2,253,186; Aug. 19.
Lubberger, Fritz, Berlin-Grunewald, assignor to Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten, m. b. H., Berlin, Germany. Telephone system. 2,252,856; Aug. 19.
Lund, Perle M., Woodlake, Calif. Hydraulically controlled plow. 2,253,130; Aug. 19.
Lundbye, Axel E., Nunda, N. Y., assignor to Adnun Engineering Corporation, Wilmington, Del. Road spreader. 2,252,717; Aug. 19.
Lutz, Hans, Berlin-Charlottenburg, Germany. Tractor with gas producer arranged thereon. 2,253,438; Aug. 19.
Lynn, Clarence, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage control of direct-current generators. 2,253,340; Aug. 19.
MacDonald, Robert A., Greenwich, Conn., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y. Nut or bolt lock. 2,253,241; Aug. 19.
MacGregor, Clide, Flint, Mich. Combined alternating-current-direct-current transformer. 2,253,131; Aug. 19.
MacKay, Francis, Port Dover, Ontario, Canada. Reciprocating drive for straight knitting machines. 2,253,439; Aug. 19.
Macklin, Kenneth R., Toronto, Ontario, Canada. Cutting tool. 2,252,893; Aug. 19.
MacMahon, James D., Niagara Falls, and A. L. Dubeau, Lewiston, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Desizing textiles with chlorite. 2,253,242; Aug. 19.
MacNair, Walter A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical transmission circuit. 2,253,079; Aug. 19.
Madden, Charles L. (See Hersey, A. J., and Madden.)
Magazine Repeating Razor Company. (See Hill, Hermann, assignor.)
Magyar Ruggyantaarugyar Reszvenytarsasag. (See Fraknoi, Rudolph, assignor.)
Mabin, William E., Murrysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Steel. 2,253,385; Aug. 19.
Malson, Totten S., Cleveland Heights, Ohio. Dental instrument. 2,253,132; Aug. 19.
Mample, Adolph Z., Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Testing gas for the detection of carbon monoxide. 2,253,187; Aug. 19.
Mandelbaum, Kermit, New York, N. Y. Directional signal. 2,252,975; Aug. 19.
Mannes, Leopold D., Leopold Godowsky, Jr., and L. S. Wilder, assignors to Eastman Kodak Company, Rochester, N. Y. Reversal process of color photography. 2,252,718; Aug. 19.
Marcy, Henri C., et al. (See Mittelmann, Eugene, assignor.)
Markley, Charles W., Brush, Colo. Receptacle. 2,253,469; Aug. 19.
Marr, Walter D., Flint, Mich. Deep sea fishing reel. 2,252,777; Aug. 19.
Marschner, Robert F., assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion. 2,252,928; Aug. 19.
Marsh, Walter H. (See Gordon, W. F., and Marsh.)
Martin Brothers Company. (See Fellroth, Erick O., assignor.)
Martin, John T., near Hanover, Kans. Calf weaner. 2,252,894; Aug. 19.
Martin, Paul E., Newgulf, Tex. Hacksaw. 2,253,440; Aug. 19.
Martino, Philip A., Boston, Mass. Socket for artificial limbs. 2,253,040; Aug. 19.
Marx, Christian E., E. H., and I. E. P., Beverly Hills, Calif. Draft check. 2,253,281; Aug. 19.
Marx, Eddy H. (See Marx, Christian E., E. H., and I. E. P.)
Marx, Irving E. P. (See Marx, Christian E., E. H., and I. E. P.)
Masishin, Harry, and H. Chomyn, Chester, Pa. Bucket and mop wringer. 2,253,243; Aug. 19.
Maslov, Alexei S., Rocky Point, N. Y., assignor to Radio Corporation of America. Resonant chamber circuit for use especially with inductive output tubes. 2,253,080; Aug. 19.
Massicott, Theodore C., Westminster, assignor to The Sinclair-Scott Company, Baltimore, Md. Asparagus canning machine. 2,253,133; Aug. 19.
Mastney, Edward J. (See Dressel, H. M., Allison, and Mastney.)
Mathieson Alkali Works, Inc., The. (See Dubeau, Archie L., assignor.)
Mathieson Alkali Works, Inc., The. (See MacMahon, J. D., and Dubeau, assignors.)
Mays, Paul D. (See Weems, C. L., and Mays.)
McAndrew, Smart S., and C. Migliasso, Milan, Italy, assignors to Associated Electric Laboratories Inc., Chicago, Ill. Telephone system. 2,252,857; Aug. 19.
McAnlis, Wallace C., Detroit, Mich. Combined garbage receptacle and rat trap. 2,252,812; Aug. 19.
McCauley, John H., Hillside, N. J., assignor to J. F. Frese, Baltimore, Md., as trustee. Luminous electric discharge device. 2,253,441; Aug. 19.
McCausland, John W., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic reactor. 2,252,719; Aug. 19.
McCormick, Harold V., Westfield, assignor to Westinghouse Electric Elevator Company, Jersey City, N. J. Moving stairway. 2,253,386; Aug. 19.
McCoy, Verl E., La Grange, Ill. Feeding device. 2,252,939; Aug. 19.
McCullough, Ira J. (See Tow, James O., assignor.)
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake apparatus for vehicles. 2,252,940; Aug. 19.
McDonald, Gordon R., Erie, Pa., assignor to General Electric Company. System of electric distribution. 2,253,188; Aug. 19.
McDonnell, Everett N., et al. (See Carlson, Oscar F., assignor.)
McFall, Thurlow E. (See Barrett, O. A., Languis, and McFall.)
McGall, Philip K., assignor to Johnson Laboratories, Inc., Chicago, Ill. Permeability tuner and operating mechanism therefor. 2,253,304; Aug. 19.
McKinnon, Archibald L., St. Catharines, Ontario, Canada, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Link for antiskid cross chains. 2,252,976; Aug. 19.
McLean, John A., Jr., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Plunger for solenoid type relays. 2,253,387; Aug. 19.
McNally, James G. (See Dickey, J. B., and McNally.)
McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Yarn conditioning process and the product thereof. 2,253,081; Aug. 19.
McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Nitroalkylamino-anthraquinone dye compounds. 2,253,082; Aug. 19.
McShane, Phelan, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective relay. 2,253,388; Aug. 19.
Meakin, Edgar N. (See Shafer, Eugene W., assignor.)
Mechling, Eugene B., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission device. 2,253,189; Aug. 19.
Medalie, William L., Chisholm, Minn. X-ray film holder. 2,253,282; Aug. 19.
Mees, Louis, New Brunswick, N. J., and R. C. and B. A. Parkes, assignors to National Drying Machinery Co., Philadelphia, Pa. Apparatus for boiling-off textile fabrics. 2,253,083; Aug. 19.
Menzel, Friedrich, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Electromagnetic vibratory governor for dynamos. 2,253,483; Aug. 19.
Merck & Co. Inc. (See Folkers, K., and Koniuszy, assignors.)
Metal & Thermit Corporation. (See Cohen, Frederick W., assignor.)
Metal & Thermit Corporation. (See Deppeler, John H., assignor.)
Metals Distintegrating Company. (See Hall, Everett J., assignor.)
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Strip trimming and severing apparatus. 2,252,720; Aug. 19.
Michaels, Clarence W., Oakland, Calif. Milking machine valve mechanism. 2,253,341; Aug. 19.
Michigan Artcraft Company. (See Barrett, O. A., Languis, and McFall, assignors.)
Micromatic Hone Corporation. (See Kline, John E. assignor.)
Mid City National Bank. (See Tanzi, Mario, assignor.)
Miehle Printing Press and Manufacturing Company. (See Golber, Hyman E., assignor.)
Miescher, Karl, Riehen, E. Urech, Basel, and W. Klarer, Riehen, Switzerland, assignors, by mesne assignments to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Cyclic amidine. 2,252,721; Aug. 19.
Miescher, Karl, and W. Klarer, Riehen, and E. Urech, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Amino acid amidines and preparing same. 2,252,722; Aug. 19.

Miescher, Karl, and W. Klarer, Riehen, and E. Urech, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Halogen-alkyl amidines and preparing same. 2,252,723; Aug. 19.
Migliasso, Clemente. (See McAndrew, S. S., and Migliasso.)
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Focal plane shutter. 2,253,084; Aug. 19.
Mikeska, Louis A., Westfield, and E. Arundale, Union, N. J., assignors to Standard Oil Development Company. Mono-ethers of unsaturated dihydric alcohols and producing the same. 2,253,342; Aug. 19.
Miller, Carl F., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge device. 2,253,208; Aug. 19.
Miller, Raymond E., Wilkinsburg, assignor to The Westinghouse Brake Company, Wilmerding, Pa. Directional control of sanding. 2,252,895; Aug. 19.
Miller, Robert J. (See Rutherford, J. T., and Miller.)
Millers Falls Company et al. (See Shortell, W. H., and Hawkridge, assignors.)
Mills Novelty Company. (See Reiter, A. L., and Traxel, assignors.)
Minaker, Herbert L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Carton handling and unloading machine. 2,253,283; Aug. 19.
Miner, W. H., Inc. (See Hasseltine, Stacy B., assignor.)
Miner, W. H., Inc. (See Olander, Roland J., assignor.)
Minerals & Metals Corporation. (See Brassert, Herman A., assignor.)
Minor, Burt S. (See Barnes, B. H., and Minor.)
Minor, Joseph E. (See Taylor, Harry, assignor.)
Mistral, Paul H., Paris, France. Suspension of vehicles. 2,253,190; Aug. 19.
Mittelmann, Eugene, assignor of one-third to H. C. Marcy, and one-third to L. W. F. Roedell, Chicago, Ill. Oscillating circuits for electrotherapeutics. 2,252,941; Aug. 19.
Mnookin, Nathan M., Kansas City, Mo., assignor to Speas Company. Jelly and manufacture thereof. 2,253,389; Aug. 19.
Moeller, Harry A. (See Johnson, G. T., and Moeller.)
Monowatt Electric Corporation. (See Benander, George B., assignor.)
Montague, Charles D., Fredericksburg, Va. Thermostatic control. 2,253,442; Aug. 19.
Moore, George A., assignor to Humeco Corporation, Louisville, Ky. Container and making the same. 2,252,779; Aug. 19.
Morgan, Kenneth F. (See Loye, D. P., and Morgan.)
Morrell, Millard E., Mattawan, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Machine tool. 2,253,085; Aug. 19.
Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Inseam shoe sewing machine. 2,253,244; Aug. 19.
Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,253,191; Aug. 19.
Morris Packaging Equipment Company. (See Rapp, E. J., and Heft, assignors.)
Morrison, Willard L., Chicago, Ill. Air deflecting apparatus for vehicles. 2,253,134; Aug. 19.
Morse, Richard S. (See Murray, A., and Morse.)
Morse, Robert V., Ithaca, N. Y. Radiator grille guard. 2,253,041; Aug. 19.
Morsing, William. (See Eckel, J. F., and Morsing.)
Morss, Charles A., West Hartford, Conn. Antiskid chain for automobile tires. 2,252,778; Aug. 19.
Moss, Hebert H. (See Jones, H. W., Moss, and Patch.)
Mounts, Wilfred V., Stratford, Conn., assignor to Remington Arms Company, Inc. Cutlery. 2,252,896; Aug. 19.
Mourer, Clyde M., Lincoln, Nebr. Metal spray gun. 2,252,942; Aug. 19.
Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Truck suspension means. 2,253,042; Aug. 19.
Mueller, Friedrich J. (See Somes, H. E., and Mueller.)
Mugdan, Martin, Munich, and J. Wimmer, Burghausen, assignors to Consortium für Elektrochemische Industrie, G. m. b. H., Munich, Germany. Electric insulating material. 2,252,858; Aug. 19.
Mulder, Clarence L., Grand Rapids, Mich. Flatiron cord support. 2,253,462; Aug. 19.
Mullen, Thomas W. (See Bowes, C. E., Andres, and Mullen.)
Muller, Edward A., Long Island City, N. Y. Photoflood light reflector. 2,253,443; Aug. 19.
Muller, J. C., N. Y. (See Röber, Constantin F., assignor.)
Muller, Oscar F., Glen Ridge, N. J., and R. G. Schwarz, Jr., Brooklyn, assignors to Dri Wear, Inc., New York, N. Y. Dressing and treating furs. 2,253,192; Aug. 19.
Müller, Otto, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,253,390; Aug. 19.
Müller, Richard, Rodelheim, Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening inserting machine. 2,252,780; Aug. 19.
Muller, Valentine, Brooklyn, N. Y. Syringe hanger. 2,253,444; Aug. 19.
Mur, Carl, et al. (See Wolfson, Abraham, assignor.)
Murdock, James A., Chicago, Ill. Grater. 2,252,859; Aug. 19.
Murphy, John J. (See Bliss, L. A., and Murphy.)
Murray, Alexander, and R. S. Morse, assignors to Eastman Kodak Company, Rochester, N. Y. Color photography. 2,253,086; Aug. 19.
Muskat, Irving E., and R. H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Chlorination of titanium bearing materials. 2,253,470; Aug. 19.
Muskat, Irving E., and R. H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Chlorination of titanium bearing materials. 2,253,471; Aug. 19.
Myers, F. E., & Bro. Company, The. (See Spreng, Warren M., assignor.)
Myers, Frank L., Toledo, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Air filter. 2,252,724; Aug. 19.
Nachumsohn, Irving, Chicago, Ill. Cooking temperature guide. 2,253,043; Aug. 19.
Nalick, Albert L., Los Angeles, Calif. Multiple unit emblem. 2,253,343; Aug. 19.
Na-Mac Products Company. (See Hacmac, Edward R., assignor.)
National Acme Company, The. (See Drissner, Alfred E., assignor.)
National Automotive Fibres, Inc. (See Davies, Clarence J., assignor.)
National Broach & Machine Company. (See Drummond, Robert S., assignor.)
National Cash Register Company, The. (See Breitling, Ernst, assignor.)
National Cash Register Company, The. (See Christian, Raymond A., assignor.)
National Drying Machinery Co. (See Mees, L., Parkes, and Ralph C. and B. A., assignors.)
National Tube Company. (See Brodd, Charles G., assignor.)
Neal, Joseph A. F., Buffalo, N. Y. Hammer mill. 2,253,087; Aug. 19.
Neumann, Ludwig. (See Winkeler, H., Petz, Keller, and Neumann.)
Newman, Alexander I., et al. (See Davis, Walter S. and C. T., assignors.)
Newman, Dave E., Elliston, Mont., assignor of one-half to L. T. Newman. Nursery accessory. 2,252,943; Aug. 19.
Newman, Leo T. (See Newman, Dave E., assignor.)
Newman, Michael M., et al. (See Davis, Walter S. and C. T., assignors.)
Nichols, Edgar B. (See Farrow, F. R., and Nichols.)
Nichols Products Company. (See Farrow, F. R., and Nichols, assignors.)
Niederl, Joseph B., Brooklyn, N. Y. Phenolic sugar alcohol. 2,252,725; Aug. 19.
Niessen, Laurenz, Stuttgart-Bad Cannstatt, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Chassis for vehicles, especially tubular chassis for motor vehicles. 2,253,193; Aug. 19.
Nivison, Wade S. (See Schubert, A. E., Hintz, and Nivison.)
Nixon, Clifton W., New York, N. Y. Differentially selecting coins, tokens and the like. 2,253,194; Aug. 19.
Nixon, Frank. (See Fedden, A. H. R., and Nixon.)
Noack, Robert E., Stockton, Calif. Replaceable tooth unit for earthworking equipment. 2,253,245; Aug. 19.
Noblitt-Sparks Industries, Inc. (See Hamilton, Bertis F., assignor.)
Normington, James B. (See Dickey, J. B., and Normington.)
Northern Blower Company. (See Bacon, Hillis P., assignor.)
Norton Company. (See Ridgway, Raymond R., assignor.)
Norton, Harold F., Newport News, Va., and H. J. Welch, Cavite, P. I. Method and apparatus for controlling metacentric height of ships. 2,253,246; Aug. 19.
Novocol Chemical Mfg. Co. Inc. (See Goldberg, S. D., and Ringk, assignors.)
Novotny, Emil E., Oak Lane, and G. K. Vogelsang, Frankford, assignors to Durite Plastics, Incorporated, Philadelphia, Pa. Preparing derivatives of anacardic acid. 2,253,088; Aug. 19.
Nutt, Harold, and L. W. Cook, assignors to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,253,344; Aug. 19.
Nydegger, Roland R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Spinning apparatus and method. 2,253,089; Aug. 19.
Oak Manufacturing Company. (See Dressel, H. M. Allison, and Mastney, assignors.)
Oblad, Alex G. (See Heard, L., and Oblad.)
Ohio Brass Company, The. (See Burleson, Wade H., assignor.)
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Ohio Brass Company, The. (See Higgins, Ralph, assignor.)
Ohlendorf, Emil F., assignor to Deere & Company, Moline, Ill. Disk implement. 2,253,391; Aug. 19.
Olander, Roland J., assignor to W. H. Miner, Inc., Chicago, Ill. Car construction. 2,252,897; Aug. 19.

Oman, Carl, Cedar Grove, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchroscope. 2,253,392; Aug. 19.
Ommodt, Julius, Butterfield, Minn. Windrow harvester. 2,253,044; Aug. 19.
Orsino, Joseph A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,253,247; Aug. 19.
Oster, John, assignor to John Oster Manufacturing Company, Racine, Wis. Electric shaver. 2,253,195; Aug. 19.
Oster, John, Manufacturing Company. (See Oster, John, assignor.)
Ostrander, George B., and W. T. Anderson, Lemmon, S. Dak. Valve removing tool. 2,253,045; Aug. 19.
Oswald, Louis C. (See Crosley, P., and Oswald.)
Owens-Corning Fiberglas Corporation. (See Myers, Frank L., assignor.)
Oxford Varnish Corporation. (See Casto, L. V., von Webern, and Hamant, assignors.)
Oxford Varnish Corporation. (See Hamant, Edward W., assignor.)
Pacific Electric Manufacturing Corporation. (See Sixtus, Edward F., assignor.)
Pacific Pump Works. (See Hudson, Frank M., assignor.)
Pacific Railway Equipment Company. (See Van Dorn, W. E., and Beemer, assignors.)
Pagenkemper, Arthur H., Glenolden, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway axle box pedestal structure. 2,252,944; Aug. 19.
Paillard et Cie S. A. (See Widmer, René, assignor.)
Pakala, William E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Connecting carrier frequency to a double circuit. 2,253,393; Aug. 19.
Palm, John V. O., Cleveland Heights, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Method of and apparatus for making composite bearing strip. 2,252,945; Aug. 19.
Palmer, Martin H., Fort Klamath, Oreg. Combination shovel and spreader box. 2,253,248; Aug. 19.
Palmgren, Carl A., Chicago, Ill. Chuck. 2,253,345; Aug. 19.
Palmgren, Nils A., assignor to Aktiebolaget Svenska Kullagerfabricken, Goteborg, Sweden. Roller for roller bearings. 2,252,977; Aug. 19.
Paoly, Cassianus, Belle Bernon, Pa. Seal. 2,252,813; Aug. 19.
Parkes, Bertrand A. (See Mees, L., and Parkes, Ralph C. and B. A.)
Parkes, Ralph C. (See Mees, L., and Parkes, Ralph C. and B. A.)
Parkin, Victor, Los Angeles, Calif. Drill stem protector. 2,252,978; Aug. 19.
Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network distribution system. 2,253,394; Aug. 19.
Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network distribution system. 2,253,395; Aug. 19.
Partington, Edward H., Wembley, and W. H. Porritt, Chilcompton, near Bath, England. Apparatus for defibering and deinking papers. 2,252,781; Aug. 19.
Patch, George W. Jr. (See Jones, H. W., Moss, and Patch.)
Patton, Frank L., Irvington, N. J., assignor to Signal Service Corporation. Reflector device. 2,253,346; Aug. 19.
Patton, John W., assignor to E. G. Budd Manufacturing Company, Philadelphia, Pa. Railway train. 2,253,209; Aug. 19.
Paul, William E., Schenectady, N. Y., assignor to General Electric Company. Gas blast electric circuit breaker. 2,253,196; Aug. 19.
Peake, Edward E., La Salina, Venezuela, assignor to Standard Oil Development Company. Intermittent flow device. 2,253,396; Aug. 19.
Peck, William F., Kenmore, N. Y., assignor to American Optical Company, Southbridge, Mass. Apparatus for exercising and training eyes. 2,252,726; Aug. 19.
Pepper, Theodore B., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Telemetric level. 2,252,727; Aug. 19.
Pepper, Theodore B., Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for submarine geophysical prospecting. 2,253,472; Aug. 19.
Perkins, George N., Widen, W. Va. Coal drying apparatus. 2,252,814; Aug. 19.
Persons, Lawrence M., St. Louis County, assignor to Automatic Control Corporation, St. Louis, Mo. Thermostat. 2,252,946; Aug. 19.
Pessell, Ysak, et al. (See Wolfson, Abraham, assignor.)
Petersen, Carl H. (See Peterson, Carl C., assignor.)
Peterson, Carl C., Woburn, assignor of thirty percent to C. H. Petersen, Saugus, Mass. Wiper blade. 2,253,249; Aug. 19.
Peterson, Carl E., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J. Slide loop. 2,252,782; Aug. 19.
Peterson, Charles W., assignor to Eastman Kodak Company, Rochester, N. Y. Spool holding and tensioning device for cameras. 2,253,090; Aug. 19.
Peterson, John M., Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated rubber and its production. 2,252,728; Aug. 19.
Petrolite Corporation. (See Averill, J. R., and Claytor, assignors.)
Petrolite Corporation. (See Blair, Charles M., Jr., assignor.)
Petz, Albert. (See Winkeler, H., Petz, Keller, and Neumann.)
Philco Corporation. (See Whittell, Percy, assignor.)
Philco Radio and Television Corporation. (See Travis, Charles, assignor.)
Pierce, Louis H., Mankato, Minn. Discharge apparatus for pumps. 2,253,046; Aug. 19.
Pitann, Arthur, et al. (See Davis, Walter S. and C. T., assignors.)
Pitann, Walter W., et al. (See Davis, Walter S. and C. T., assignors.)
Pittsburgh Plate Glass Company. (See Muskat, I. E., and Taylor, assignors.)
Plum, Russell E., assignor to The Canister Company, Phillipsburg, N. J. Paper container. 2,253,001; Aug. 19.
Plymesser, Glen, Boulder, Colo. Hydraulic jack operating mechanism. 2,253,347; Aug. 19.
Pollack, Harold. (See Gruenstein, E., and Pollack.)
Pollack, Leon, Brooklyn, N. Y. Multilayer polarizing body and manufacture. 2,252,898; Aug. 19.
Pollard, Charles E., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mercury switch. 2,253,135; Aug. 19.
Porritt, William H. (See Partington, E. H., and Porritt.)
Porsche, F., Dr. ing. h. c., K.-G. (See Porsche, Ferdinand, assignor.)
Porsche, F., Dr. ing h. c., K.-G. (See Rabe, Karl, assignor.)
Porsche, Ferdinand, Stuttgart, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart Zuffenhausen, Germany. Brake mechanism for vehicle road wheels. 2,252,860; Aug. 19.
Porsche, Ferdinand, Stuttgart, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart Zuffenhausen, Germany. Tractor. 2,252,861; Aug. 19.
Porter, Gilbert E., Mount Clemens, assignor, by mesne assignments, to Power Devices Development Company, East Detroit, Mich. Automotive vehicle brake system. 2,253,305; Aug. 19.
Potter Title and Trust Company. (See Heckman, Joseph C., assignor.)
Potts, John, Chicago, Ill., and G. Lynwood Logan, Cleveland, Ohio, assignors to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,252,783; Aug. 19.
Potts, John T. (See Curry, W. H., and Potts.)
Power Devices Development Company. (See Porter, Gilbert E., assignor.)
Powers, Donald H., Tacoma, Wash. Heating and air conditioning unit. 2,252,784; Aug. 19.
Powers, Luther A., Jr. (See Backman, H. W., and Powers.)
Pranger, Albert, assignor to The Guiberson Corporation, Dallas, Tex. Packer. 2,253,092; Aug. 19.
Prazak, Emil. (See Kierner, Anton, assignor.)
Pribyl, Edward. (See Braker, W., Dolliver, Pribyl, and Smith.)
Prickett, Thomas B., Woodbury, N. J., and G. S. Dunham, Ardmore, Pa., assignors to Houdry Process Corporation, Wilmington, Del. Treatment of composite hydrocarbons. 2,252,729; Aug. 19.
Prince, David C., Swarthmore, Pa., assignor to General Electric Company. Fluid blast circuit breaker. 2,253,197; Aug. 19.
Probst, Karl K., Detroit, Mich., assignor, by mesne assignments, to W. L. Hoburg, Sharpsburg, Pa., as trustee. Motor. 2,253,306; Aug. 19.
Process Management Company. (See Fehrer, Harold, assignor.)
Procter & Gamble Company, The. (See Hentrich, W., Lainau, and Kaiser, assignors.)
Psiharis, Nicholas, Chicago, Ill. Gum massage device. 2,253,210; Aug. 19.
Pubins, John J., et al. (See Grohn, Fred W., assignor.)
Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Pan dump mechanism. 2,253,348; Aug. 19.
Pullen, Fred W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper. 2,253,349; Aug. 19.
Purkett, Edward D., Joplin, Mo. Article conditioning shakeout tumbler. 2,253,047; Aug. 19.
Quindry, Leland A., Chicago, Ill. Fishing line. 2,253,048; Aug. 19.
Rabe, Karl, Stuttgart, assignor to Dr. ing h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Spring suspension for vehicles. 2,252,862; Aug. 19.
Radio Corporation of America. (See Bliss, Warren H., assignor.)
Radio Corporation of America. (See Douden, William L., assignor.)
Radio Corporation of America. (See Jones, Robert B., assignor.)
Radio Corporation of America. (See Maslov, Alexei S., assignor.)

Raichle, Ludwig, and K. Riedinger, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to W. E. Currie, New York, N. Y. High-pressure vessel. 2,253,093; Aug. 19.

Rapp, Earl J., and K. G. Heft, assignors to Morris Packaging Equipment Company, Toledo, Ohio. Print wrapping mechanism. 2,253,211; Aug. 19.

Ratchford, Raymond G. (See Sherman, J. Q., and Ratchford.)

Rathbun, Merrill L., Salamanca, N. Y. Jewelry case. 2,253,212; Aug. 19.

Raybestos-Manhattan, Inc. (See Steck, Rudolph E., assignor.)

Raymond, Albert L., and R. T. Dillon, assignors to G. D. Searle & Co., Chicago, Ill. Quaternary ammonium salts. 2,252,863; Aug. 19.

Ray-O-Vac Company. (See Wengel, Arthur M., assignor.)

Raytheon Manufacturing Company. (See Smith, Charles G., assignor.)

Razek, Joseph. (See Bazzoni, C. B., and Razek.)

Reed, James H., Brownsville, Tex. Speed control for motor vehicles operated by internal combustion engines. 2,252,947; Aug. 19.

Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Ice breaking tool. 2,253,397; Aug. 19.

Regan, John E., assignor to The Lamson Company, Incorporated, Syracuse, N. Y. Conveyer. 2,253,198; Aug. 19.

Reifenberg, Joseph H., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Enameled door structure. 2,253,398; Aug. 19.

Reiter, Alexander L., and L. P. Traxel, assignors to Mills Novelty Company, Chicago, Ill. Refrigeration apparatus. 2,252,979; Aug. 19.

Remington Arms Company. (See Mounts, Wilfred V., assignor.)

Remington Arms Company. (See Vassos, J., and Callahan, assignors.)

Remington Arms Company. (See Woodford, Watson H., assignor.)

Rentrop, P. A., Akt. Ges. (See Lang, Josef, assignor.)

Revco, Inc. (See Forsthoefel, G. F., and White, assignors.)

Reynolds, John N., Princeton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manufacturing contact springs. 2,252,899; Aug. 19.

Rhett, Albert H., Summit, N. J. Concrete floor and roof joist. 2,252,980; Aug. 19.

Richards, Max C. (See Gillespie, S. S., and Richards.)

Riche, Arthur L., St. Paul, Minn. Method and apparatus for automatically testing fluids. 2,253,049; Aug. 19.

Richter, Morten B., Copenhagen, and W. R. Schytte, Soborg, near Copenhagen, assignors to Telefon Fabrik Automatic A/S, Copenhagen, Denmark. Electric connecting panel. 2,253,136; Aug. 19.

Richter, Walther, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Electrical circuit. 2,253,307; Aug. 19.

Ridbo Laboratories, Inc. (See Ridgway, E. O., and Tucker, assignors.)

Ridbo Laboratories Incorporated. (See Ridgway, E. O., and Bodenschatz, assignors.)

Ridgway, Eric O., Montclair, and F. C. Tucker, Nutley, N. J., assignors to Ridbo Laboratories, Inc. Treating and finishing cellulose and cellulosic fibers and products. 2,252,730; Aug. 19.

Ridgway, Eric O., Montclair, and W. A. Bodenschatz, Brooklawn, assignors to Ridbo Laboratories Incorporated, Nutley, N. J. Preparing a solution of cellulose. 2,252,731; Aug. 19.

Ridgway, Eric O., Montclair, and W. A. Bodenschatz, Brooklawn, assignors to Ridbo Laboratories Incorporated, Nutley, N. J. Treating cellulose textile material. 2,252,732; Aug. 19.

Ridgway, Raymond R., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Resistor and making same. 2,252,981; Aug. 19.

Riedinger, Karl. (See Raichle, L., and Riedinger.)

Ringk, William F. (See Goldberg, S. D., and Ringk.)

Robbins, Donald A., Tannersville, Pa. Smoking appliance. 2,253,463; Aug. 19.

Robbins, Richard M. and R. V., Loveland, Colo. Dispensing rack. 2,253,094; Aug. 19.

Robbins, Robert V. (See Robbins, Richard M. and R. V.)

Röber, Constantin F., Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Apparatus for feeding compression molds for cigar fillers. 2,253,050; Aug. 19.

Roberts, Charles H., Burbank, assignor of one-third to E. D. Feldman, Glendale, one-third to A. C. Stoneman, Los Angeles, and one-third to H. W. Greenberg, Glendale, Calif. Apparatus for conditioning air. 2,252,982; Aug. 19.

Rockwood, Albert W. (See Wagner, George B., assignor.)

Roedell, Le Roy W. F., et al. (See Mittelmann, Eugene, assignor.)

Roper, Geo. D., Corporation. (See Hennessy, John F., assignor.)

Rose, Bennie A. (See Ross, M. D., and Rose.)

Rose, Herbert A. (See Sleplan, J., and Rose.)

Rosen, Raphael, Elizabeth, N. J., assignor to Standard Catalytic Company. Desulphurization of hydrocarbons. 2,253,308; Aug. 19.

Ross, Frederick N., Grosse Pointe Park, assignor to Ash Products Corporation, Detroit, Mich. Apparatus for feeding and clinching clinch-on nuts and the like. 2,253,051; Aug. 19.

Ross, Malcolm D., and B. A. Rose, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Hydrogen-cooled machine with gland seal. 2,253,350; Aug. 19.

Rossman, Allen M., Wilmette, Ill. Electric circuit breaker. 2,252,983; Aug. 19.

Rothweiler, Charles O., Milwaukee, Wis. Profiling device. 2,253,095; Aug. 19.

Russell, Arthur L., Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacture of shoes. 2,252,785; Aug. 19.

Russell, Arthur L., Boston, and W. M. Watson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe conditioning apparatus. 2,252,786; Aug. 19.

Russell, Burdsall & Ward Bolt & Nut Company. (See MacDonald, Robert A., assignor.)

Russell, John J., Schenectady, N. Y., assignor to General Electric Company. Synthetic rubberlike resinous composition. 2,253,137; Aug. 19.

Rutherford, John T., and R. J. Miller, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded hydrocarbon oil. 2,252,984; Aug. 19.

Rutherford, John T., and R. J. Miller, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Compounded oil. 2,252,985; Aug. 19.

Sabold, Gordon W., Fort Washington, assignor to Budd Wheel Company, Philadelphia, Pa. Brake safety hanger. 2,253,199; Aug. 19.

Salomon, François M. M. B., Paris, France. Transmission of mechanical energy. 2,252,815; Aug. 19.

Sanders, Marsh. (See Crandall, M., and Sanders.)

Santrey, Adell. (See Santrey, Henry, assignor.)

Santrey, Henry, assignor to A. Santrey, New York, N. Y. Tool for applying window sash springs. 2,252,816; Aug. 19.

Sarver, Roger G., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass cleaning apparatus. 2,252,787; Aug. 19.

Sashoff, Stephan P., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Energy translating apparatus. 2,253,351; Aug. 19.

Savage, Leonard H., et al. (See Stanford, William T., assignor.)

Savage, Manuel H., Bridgeport, and E. J. Butler, Stratford, Conn., assignors to General Electric Company. Electrical cable. 2,253,138; Aug. 19.

Schaad, Raymond E. (See Ipatieff, Vladimir N., and Schaad.)

Schaafsma, Albert, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Separating high molecular mixtures. 2,252,864; Aug. 19.

Schadek, Joseph, San Diego, Calif. Garbage and trash disposal boat. 2,252,948; Aug. 19.

Schaefer, Harold W., assignor to The Harry Alter Co., Chicago, Ill. Fluid conditioning apparatus. 2,252,865; Aug. 19.

Schell, Robert T., Barlocham, Ontario, Canada. Minnow net. 2,252,949; Aug. 19.

Schleicher, Rudolf, assignor to the firm: Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany. Rear wheel springing for motorcycles. 2,252,866; Aug. 19.

Schlittler, Emil (See Hartmann, M., and Schlittler.)

Schmitt, Frank R., Queens Village, N. Y., assignor to International Cigar Machinery Company. Cigar-packing machine. 2,252,139; Aug. 19.

Schmitz, William R., Jr., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sheet separating apparatus. 2,253,140; Aug. 19.

Schneider, Charles A., Tinley Park, Ill., assignor to Link-Belt Company. Rotary kiln or drier. 2,253,098; Aug. 19.

Schniekart, Max, Chesaning, Mich. Internal combustion engine. 2,252,987; Aug. 19.

Schofield, Earl L., assignor to Henney Motor Company, Freeport, Ill. Resilient roller and mounting therefor. 2,253,141; Aug. 19.

Schott, John E., New York, N. Y., and L. R. Churchill, Cranford, N. J., assignors to Tide Water Associated Oil Company, New York, N. Y. Lubricating oil composition. 2,253,399; Aug. 19.

Schubert, Alvin E., and H. P. Hintz, Rochester, and W. S. Nivison, New York, assignors to Eastman Kodak Company, Rochester, N. Y. Reversing arrangement for document reproducing machine. 2,253,052; Aug. 19.

Schwarz, Robert G., Jr. (See Muller, O. F., and Schwarz.)

Schwarzmann, Wolfgang E., Longmeadow, and C. Strniste, Agawam, assignors to American Bosch Corporation, Springfield, Mass. Magneto with protective mechanisms. 2,253,201; Aug. 19.

Schytte, Willy R (See Richter, M. B., and Schytte.)

Sconce, James S., and C. F. Berlinghoff, Niagara Falls, assignors to Hooker Electrochemical Company, New York, N. Y. Production of alkali metal sulphide and hydrosulphide of high purity and concentration. 2,252,867; Aug. 19.

Scott and Williams, Incorporated. (See Houseman, Harold E., assignor.)

Scott, Lawrence B., San Antonio, Tex. Repairing cracked or fractured metal walls. 2,252,986; Aug. 19.

Searle, G. D., & Co. (See Raymond, A. L., and Dillon, assignors.)

Security Engineering Co. Inc. (See Hall, E. B., and Armentrout, assignors.)

Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Relay. 2,253,142; Aug. 19.

Seelye, Howard P. (See Shoemaker, J. J., and Seelye.)

Segall, Albert M., Philadelphia, Pa. Pinless diaper. 2,252,988; Aug. 19.

Seibel, Elmer F., and A. Hutton, Erie, Pa., assignors to The Standard Stoker Company, Incorporated. Distributor for stokers. 2,253,213; Aug. 19.

Seibold, Paul F., Newport, Mich. Humidifying device. 2,253,352; Aug. 19.

Seiss, Ernest E., Toledo, Ohio. Dry battery lamp. 2,252,950; Aug. 19.

Selig, Milton, Philadelphia, Pa., assignor to The Fischman Company. Sterilizing and storage cabinet. 2,253,250; Aug. 19.

Sellers, William D. (See Demaree, H. S., and Sellers.)

Sellers, William, & Company. (See Young, Harry R., assignor.)

Sengebusch, Hans. (See Benisek, E., and Sengebusch.)

Selig, Milton, Philadelphia, Pa., assignor to The Fischman Company. Sterilizing and storage cabinet. 2,253,251; Aug. 19.

Senn, Charles W., assignor of three-eighths to J. Gruninger, 2nd, Wildwood, N. J. Exercising device. 2,252,868; Aug. 19.

Servel, Inc. (See Ulistrand, Hugo M., assignor.)

Shafer, Eugene W., North Hollywood, assignor to E. N. Meakin, San Francisco, Calif. Pellet forming apparatus. 2,252,900; Aug. 19.

Shaffer, Edward L., Twin Falls, Idaho. Paper trimmer. 2,253,099; Aug. 19.

Sharp, Roy A., Denver, Colo. Awning for automotive vehicle windshields and the like. 2,253,353; Aug. 19.

Shaw, Hubert R., Drexel Hill, Pa., assignor to General Electric Company. Communication system. 2,253,144; Aug. 19.

Sheldon, Roy E., Ocean Park, Wash. Mechanical horse. 2,253,096; Aug. 19.

Shell Development Company. (See Schaafsma, Albert, assignor.)

Sherman, John Q., deceased, and R. G. Ratchford, Dayton, Ohio; said Ratchford assignor to said Sherman; K. M. Sherman, W. C. Sherman, and W. B. Turner, executors. Form bursting and stacking apparatus. 2,252,733; Aug. 19.

Sherman, John Q., Dayton, Ohio, deceased; K. M. Sherman, W. C. Sherman and W. B. Turner, executors. Strip feeding and imprinting apparatus. 2,252,734; Aug. 19.

Sherman, John Q., deceased, by K. M. Sherman, W. C. Sherman, and W. B. Turner, executors, Dayton, Ohio. Strip feeding and severing apparatus. 2,252,735; Aug. 19.

Sherman, John Q, deceased, by K. M. Sherman, W. C. Sherman, and W. B. Turner, executors, and A. W. Metzner, Dayton, Ohio; said Metzner assignor to the estate of J. Q. Sherman. Strip feeding trimmer and bursting machine. 2,252,736; Aug. 19.

Sherman, Katherine M., executor, et al. (See Sherman, John Q.)

Sherman, Katherine M., executor, et al. (See Sherman, J. Q., and Metzner.)

Sherman, Katherine M., executor, et al. (See Sherman, J. Q., and Ratchford.)

Sherman, William C., executor, et al. (See Sherman, John Q.)

Sherman, William C., executor, et al. (See Sherman, J. Q., and Metzner.)

Sherman, William C. executor, et al. (See Sherman, J. Q., and Ratchford.)

Shimwell, Derrick W., Shiplake-on-Thames, England. Beat-up mechanism of looms for weaving 2,253,097; Aug. 19.

Shoemaker, Joseph J, Pleasant Ridge, and H. P. Seelye, Royal Oak, Mich., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric switch. 2,253,400; Aug. 19.

Shortell, William H., Greenfield, and L. D. Hawkridge, Newton, assignors of one-half to Millers Falls Company, Greenfield, and one-half to Hawkridge Brothers Company, Boston, Mass. Hacksaw blade. 2,252,869; Aug. 19.

Shufeldt, Enrique, La Cueva, N. Mex. Rotary internal combustion engine. 2,253,445; Aug. 19.

Siegel, Harry P., Brooklyn, N. Y. Dental aspirator. 2,253,143; Aug. 19.

Siemens Apparate und Maschinen Gesellschaft mit beschrinkter Haftung. (See Goerth, Johannes, assignor.)

Siess, Henry J., assignor to Crawford Door Company, Detroit, Mich. Hinge construction for upward acting doors. 2,252,737; Aug. 19.

Signal Service Corporation. (See Patton, Frank L., assignor.)

Sikorski, Thaddeus A., Camden, N. J. Tobacco pipe reamer. 2,252,989; Aug. 19.

Sinclair Refining Company. (See Teter, John W., assignor.)

Sinclair Refining Company. (See Watkins, Franklin M., assignor.)

Sinclair-Scott Company, The. (See Massicott, Theodore C., assignor.)

Sixtus, Edward F., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Disconnecting switch. 2,252,901; Aug. 19.

Sjoberg, Henry A. E. (See Holm, C., and Sjoberg.)

Skly, Gus, et al. (See Grohn, Fred W., assignor.)

Slagh, Harold R. (See Alquist, F. N., and Slagh.)

Sleplan, Joseph, Pittsburgh, asssignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter contact. 2,253,401; Aug. 19.

Sleplan, Joseph, Pittsburgh, Pa., and H. A. Rose, Belle Meade, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Makealive electrode for vapor-electric converters. 2,253,402; Aug. 19.

Slonczewski, Thaddeus, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier frequency heterodyne oscillator. 2,252,870; Aug. 19.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,253,309; Aug. 19.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,253,310; Aug. 19.

Smith, A. O., Corporation. (See Jaeckel, Adolph C., assignor.)

Smith, A. O., Corporation. (See Richter, Walther, assignor.)

Smith, Algy J. (See Wadman, H. A., and Smith.)

Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous conduction device. 2,253,145; Aug. 19.

Smith, Franklin A. (See Braker, W., Dolliver, Pribyl, and Smith.)

Smith, Harry F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,253,252; Aug. 19.

Smith, L. C., & Corona Typewriters, Inc. (See Gabrielson, William A., assignor.)

Smith, Lewis P., Fulton, N. Y. Baking device. 2,252,990; Aug. 19.

Smith, Raymond L., Columbus, Ohio. Metal finish. 2,253,489; Aug. 19.

Sodeco, Societe des Compteurs de Geneve. (See Dietrich, Theodore, assignor.)

Sohl, Lester H., Monmouth Junction, N. J. Automotive vehicle. 2,252,871; Aug. 19.

Sohn, Leo B., assignor to Bedford Foundry & Machine Co., Bedford, Ind. Hoisting apparatus. 2,253,253; Aug. 19.

Somes, Howard E., and F. J. Mueller, Detroit, Mich. Grinding machine. 2,252,818; Aug. 19.

Sorensen, George. (See Drake, G. F., and Sorensen.)

Souter, Edward W. (See Bella, C. J., and Souter.)

Spanagel, Edgar W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sizing synthetic linear polymer yarns. 2,253,146; Aug. 19.

Sparr, Nils A., Stockholm, Sweden. Vane rotor. 2,252,788; Aug. 19.

Speas Company. (See Mnookin, Nathan M., assignor.)

Spector, Robert, New York, N. Y. Binder for sheaves and the like. 2,253,464; Aug. 19.

Spencer, Philip L., assignor to Watson-Williams Manufacturing Company, Millbury, Mass. Loom shuttle. 2,252,819; Aug. 19.

Spencer, Wesley D. (See Subira, A. J., and Spencer.)

Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)

Sperry-Sun Well Surveying Company. (See Bazzoni, C. B., and Razek, assignors.)

Spiess, Georg, Leipzig, Germany. Buckling folding machine. 2,253,446; Aug. 19.

Sprague, Glenn W., Fort Recovery, Ohio. Spike puller. 2,253,100; Aug. 19.

Sprague Specialties Co. (See Godsey, Frank W., Jr., assignor.)

Spreng, Warren M., assignor to The F. E. Myers & Bro. Company, Ashland, Ohio. Traction sprayer. 2,252,872; Aug. 19.

Squibb, E. R., & Sons. (See Braker, W., Dolliver, Pribyl, and Smith, assignors.)

Squibb, E. R., & Sons. (See Christiansen, Walter G., assignor.)

Squibb, E. R., & Sons. (See Coles, H. W., and Dodds, assignors.)

Standard Catalytic Company. (See Rosen, Raphael, assignor.)

Standard Electric Time Company, The. (See Blake, Herbert P., assignor.)

Standard Oil Company. (See Heard, L., and Oblad, assignors.)

Standard Oil Company. (See Marschner, Robert F., assignor.)

Standard Oil Company of California. (See Rutherford, J. T., and Miller, assignors.)
Standard Oil Development Company. (See Connolly, Gerald C., assignor.)
Standard Oil Development Company. (See Davis, Garland H. B., assignor.)
Standard Oil Development Company. (See Mikeska, L. A., and Arundale, assignors.)
Standard Oil Development Company. (See Peake, Edward E., assignor.)
Standard Oil Development Company. (See Williams, Philip S., assignor.)
Standard Register Company, The. (See Metzner, Albert W., assignor.)
Standard Stoker Company, The. (See Seibel, E. F., and Hutton, assignors.)
Stanford, William T., assignor of fifty-seven and one-half per cent to J. L. Gibson and L. H. Savage, jointly; and forty-two and one-half per cent to W. E. Attaway, Oklahoma City, Okla. Vending machine. 2,253,447; Aug. 19.
Statelies, Epiphany O., Beverly Hills, Calif. Smoker's device. 2,253,473; Aug. 19.
Steck, Rudolph E., Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction material and making same. 2,252,991; Aug. 19.
Steel Products Mfg. Co. (See (Vieth, Otto, assignor), and Aeschbach.)
Steiner, Marvell B., Oakland, Calif. Baby panties. 2,252,992; Aug. 19.
Steinert, Emil F., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding apparatus. 2,253,403; Aug. 19.
Stevens, Sydney A., and A. H. B. Walker, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Conversion of single phase alternating electric currents to polyphase currents. 2,253,053; Aug. 19.
Stewart, Clyde E., Upper Darby, Pa., assignor to General Electric Company. Supervisory control system. 2,253,147; Aug. 19.
Stewart, Donald R., Detroit, Mich. Material cutting and testing machine. 2,252,993; Aug. 19.
Stickel, Charles W. (See Tuttle, W. R., and Stickel.)
Stires, William H., assignor to Taylor-Wharton Iron & Steel Company. High Bridge, N. J. Chain dredge bucket. 2,253,448; Aug. 19.
Stoever, Herman J., Ames, Iowa, assignor to The United Gas Improvement Company. Process and apparatus for removing condensates from gas. 2,252,738; Aug. 19.
Stoever, Herman J., Ames, Iowa, assignor to The United Gas Improvement Company. Removing condensates from gas. 2,252,739; Aug. 19.
Stokely Brothers & Company. (See Eberts, Edward C., assignor.)
Stoneman, Alan C., et al. (See Roberts, Charles H., assignor.)
Strniste, Charles. (See Schwarzmann, W. E., and Strniste.)
Studeman, Carl J. (See Hoch, O. M., and Studeman.)
Subira, Anthony J., and W. D. Spencer, Los Angeles, Calif. Adjustable hat. 2,252,902; Aug. 19.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan, Wellington B. (See Brown, S. K., and Sullivan.)
Sumey, Robert W. (See Cooper, D. L., Boltz, and Sumey.)
Sun Shipbuilding & Dry Dock Company. (See Entriken, Ralph, assignor.)
Svensson, Albert W., Flushing, N. Y. Replaceable facing for trimmer gauges. 2,253,354; Aug. 19.
Swearinger, Walter W., Newport, Ark. Cultivator staff. 2,253,449; Aug. 19.
Sylvania Industrial Corporation. (See Wallach, Roger, assignor.)
Sylvania Industrial Corporation. (See Weingand, R., and Koberne, assignors.)
Tallman, Oscar F., assignor to James R. Kearney Corporation, St. Louis, Mo. Clamp. 2,252,820; Aug. 19.
Tangen, Anthony, Detroit, Mich. Power take-off mechanism. 2,253,148; Aug. 19.
Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Submersible electric motor. 2,253,404; Aug. 19.
Tanzi, Mario, assignor to Mid City National Bank, Chicago, Ill. Electric razor. 2,253,149; Aug. 19.
Tattersfield, Charles P. (See Whittaker, C. M., Wilcock, and Tattersfield.)
Taylor, Harry, Babylon, assignor of one-half to J. E. Minor, Lindenhurst, N. Y. Painting machine. 2,252,903; Aug. 19.
Taylor, Maurice K., Hollinwood, England, assignor to Hazeltine Corporation. Television scanning system. 2,253,355; Aug. 19.
Taylor, Robert H. (See Muskat, I. E., and Taylor.)
Taylor-Wharton Iron & Steel Company. (See Stires, William H., assignor.)
Telefon-Fabrick Automatic A/S. (See Richter, M. B., and Schytte, assignors.)
Telefonbau und Normalzeit, G. m. b. H. (See Wirth, A., and Becker, assignors.)
Telephonics Corporation. (See Weidenman, William T., assignor.)
Tench, Nicholas R., Peosta, Iowa. Rodent and insect exterminator. 2,252,994; Aug. 19.
Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Catalytic cracking. 2,252,740; Aug. 19.
Texas Company, The. (See Layne, Leslie A., assignor.)
Thomas, Arthur R., Detroit, Mich. Toy vehicle. 2,252,995; Aug. 19.
Thompson Grinder Company, The. (See Baldenhofer, Christian, assignor.)
Thompson, Josephus, Covington, assignor of one-tenth to Grossman Music Company, Cleveland, Ohio. Mouthpiece puller. 2,253,411; Aug. 19.
Thompson, Robert W., Flushing, N. Y. Calking gun filler. 2,253,150; Aug. 19.
Thompson, Robert W., Flushing, N. Y. Calking equipment. 2,253,151; Aug. 19.
Thompson, Wesley R., Metuchen, N. J., assignor to Catalin Corporation of America. Multicolored laminated resin product. 2,252,821; Aug. 19.
Thoreson, Albert W., Thief River Falls, Minn. Shield for glasses. 2,253,101; Aug. 19.
Thornburg, Herbert W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Spudding mechanism for cable tool drills. 2,252,741; Aug. 19.
Tide Water Associated Oil Company. (See Schott, J. E., and Churchill, assignors.)
Todd, John, Lincoln, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Clip device. 2,252,904; Aug. 19.
Tomlinson, William K., assignor to The Globe Company, Chicago, Ill. Sausage stuffing apparatus. 2,253,465; Aug. 19.
Totzek, Friedrich. (See Koppers, H., Totzek, and Linder.)
Tow, James O., South Pasadena, assignor to I. J. McCullough, Los Angeles, Calif. Gun perforator. 2,252,996; Aug. 19.
Towler, Frank H. and J. M., Yorkshire, England. High speed reciprocating ram pump. 2,253,152; Aug. 19.
Towler, John M. (See Towler, Frank H. and J. M.)
Trans-America Aircraft and Motor Corporation. (See Balton, Charles A., assignor.)
Travis, Charles, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Automatic volume control system. 2,253,450; Aug. 19.
Traxel, Leonard P. (See Reiter, A. L., and Traxel.)
Trumble, John, and W. C. Hillman, London, England. Multiple spindlehead for drilling, tapping, reaming, and other like operations. 2,253,153; Aug. 19.
Tucker, Frederick C. (See Ridgway, E. O., and Tucker.)
Tucker, John T., Columbus, Ohio. Processor. 2,253,214; Aug. 19.
Turner, James O. (See Cantrell, T. L. and Turner.)
Turner, Wellmore B., executor, et al. (See Sherman, John Q.)
Turner, Wellmore B., executor, et al. (See Sherman, J. Q., and Metzner.)
Turner, Wellmore B., executor, et al. (See Sherman, J. Q., and Ratchford.)
Tuttle, Clifton M., and R. V. Cartwright, assignors to Eastman Kodak Company, Rochester, N. Y. Device for measuring flatness of glass. 2,253,054; Aug. 19.
Tuttle, Clifton M., and A. M. Koerner, assignors to Eastman Kodak Company, Rochester, N. Y. Exposure control apparatus. 2,253,055; Aug. 19.
Tuttle, Harry C., New York, N. Y. Steam generator, particularly steam cooking device. 2,253,154; Aug. 19.
Tuttle, William R., and C. W. Stickel, Rochester, N. Y. Eyelash curler. 2,252,742; Aug. 19.
Tyler, John D., Birmingham, Ala. Inking apparatus. 2,252,790; Aug. 19.
Tyzzer, Howard J., assignor to The Crosley Corporation, Cincinnati, Ohio. Tuning mechanism. 2,253,484; Aug. 19.
Ulerick, Forrest G., Twelve Mile, Ind. Hen's nest. 2,253,451; Aug. 19.
Ullstrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,252,791; Aug. 19.
Ullstrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Liquid fuel burner. 2,253,056; Aug. 19.
Unger, Paul O., Elmhurst, assignor to Wilson-Jones Company, Chicago, Ill. Leaf flipper. 2,252,792; Aug. 19.
Union Switch & Signal Company, The. (See Bone, H. L., and Livingston, assignors.)
Union Switch & Signal Company, The. (See Stevens, S. A., and Walker, assignors.)
United American Metals Corporation. (See Jung, Albert H., assignor.)
United-Carr Fastener Corporation. (See Hall, Charles L., assignor.)
United-Carr Fastener Corporation. (See Johnson, Frank E., assignor.)
United-Carr Fastener Corporation. (See Todd, John, assignor.)
United Gas Improvement Company, The. (See Stoever, Herman J., assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Kestell, assignors.)
United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)

United Shoe Machinery Corporation. (See Müller, Richard, assignor.)
United Shoe Machinery Corporation. (See Russell, Arthur L., assignor.)
United Shoe Machinery Corporation. (See Russell, A. L., and Watson, assignors.)
United States Envelope Company. (See Heywood, Vincent E., assignor.)
United States Gypsum Company. (See Camp, Thomas P., assignor.)
United Steel and Wire Company. (See Faulkner, Arnold T., assignor.)
Universal Oil Products Company. (See Alther, Joseph G., assignor.)
Universal Oil Products Company. (See Benedict, Wayne L., assignor.)
Universal Oil Products Company. (See Ipatieff, V. N., and Schaad, assignors.)
Universal Oil Products Company. (See McCausland, John W., assignor.)
Urech, Ernst. (See Miescher, K., Klarer, and Urech.)
Urschel, Bertis H., assignor to The Urschel Engineering Company, Bowling Green, Ohio. Mower. 2,253,452; Aug. 19.
Urschel Engineering Company, The. (See Urschel, Bertis H., assignor.)
Urschel, Gerald W. (See Urschel, William E. and G. W.)
Urschel, William E. and G. W., Valparaiso, Ind. Tomato corer. 2,252,951; Aug. 19.
Van Deinse, Rufus F., Oswego, Oreg. Machine for reducing lumber to desired lengths. 2,253,453; Aug. 19.
Van den Akker, Johannes A., assignor to The Institute of Paper Chemistry, Appleton, Wis. Method and apparatus for measuring the water resistance of paper. 2,253,356; Aug. 19.
Vanderveld, Charles F., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Support. 2,252,997; Aug. 19.
Van Dorn, William E., Pasadena, and P. K. Beemer, Inglewood, assignors to Pacific Railway Equipment Company, Los Angeles, Calif. Suspension system for articulated vehicles. 2,252,789; Aug. 19.
Van Rijswijk, Willem, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Nozzle construction for high temperature turbines. 2,252,817; Aug. 19.
Van Wyk, Paul, Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Grading machine. 2,252,909; Aug. 19.
Vassos, John, New Canaan, and J. J. Callahan, Bridgeport, Conn., assignors to Remington Arms Company, Inc. Article of manufacture. 2,252,873; Aug. 19.
Veinott, Cyril G., Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Mounting for capacitor-motors. 2,253,405; Aug. 19.
Vieth, Otto, and W. E. Aeschbach; said Vieth assignor to Steel Products Mfg. Co., St. Louis, Mo. Bracket. 2,252,952; Aug. 19.
Vischer, Alfred, Jr., Park Ridge, assignor to Vischer Products Company, Chicago, Ill. Pressure indicator. 2,252,874; Aug. 19.
Vischer Products Company. (See Vischer, Alfred, Jr., assignor.)
Vogelsang, George K. (See Novotny, E. E., and Vogelsang.)
Vogenthaler, Clarence A., Ferguson, assignor to Donley-Evans & Company, St. Louis, Mo. Sulphanilamide solution. 2,252,822; Aug. 19.
Volt, Willi, Stuttgart-Bad Cannstatt, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Fuel injection apparatus for Diesel and other internal combustion engines. 2,253,454; Aug. 19.
Von Webern, Guido. (See Casto, L. V., von Webern, and Hamant.)
Wachtel, Clarence, Wauwatosa, Wis. Safety swing. 2,252,998; Aug. 19.
Wadman, Harold A., West Hartford, and A. J. Smith, assignors to Hartford-Empire Company, Hartford, Conn. Apparatus for stacking glassware. 2,253,155; Aug. 19.
Wagner, George B., Holbrook, assignor to A. W. Rockwood, Wakefield, Mass. Air delivery device. 2,253,406; Aug. 19.
Walker, Alec H. B. (See Stevens, S. A., and Walker.)
Walker, Joseph F., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reducing shrinkage of wool. 2,253,102; Aug. 19.
Wallace, Allen, Moorestown, N. J. Railway truck. 2,253,407; Aug. 19.
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, Parish of Tangipahoa, La. Air blast gin with pneumatic mote discharge. 2,253,456; Aug. 19.
Wallace, William H., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Apparatus for shot blasting leaf springs. 2,252,823; Aug. 19.
Wallach, Roger, Briarcliff Manor, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Article and process for the manufacture thereof. 2,252,999; Aug. 19.
Walsh, James F. (See Daly, R. E., and Walsh.)
Walter, Clarence L., St. Louis, Mo. Apparatus for printing. 2,253,215; Aug. 19.
Walters, Carl E., Kalamazoo, Mich. Mounting bracket for switch boxes. 2,252,953; Aug. 19.
Ward, Albert W., Ickenham, assignor to Bell Punch Company Limited, London, England. Ticket control device. 2,253,311; Aug. 19.
Warner, Daniel L., Rozetta, Ill. Animal trap. 2,253,254; Aug. 19.
Waterbury, Carl. (See Clark, P. L., and Waterbury.)
Watkins, Ernest M., and W. R. Beckman, South Bend, Ind. Motor driven vehicle. 2,253,408; Aug. 19.
Watkins, Franklin M., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oil composition. 2,252,793; Aug. 19.
Watson, William M. (See Russell, A. L., and Watson.)
Watson-Williams Manufacturing Company. (See Spencer, Philip L., assignor.)
Webb, Robert D., and R. T. Grounds, Minden, La.; said Grounds assignor to said Webb. Power transmitting device. 2,253,001; Aug. 19.
Webber, Joseph T., assignor to R. B. Lacey, Kalamazoo, Mich. Siphoning device. 2,253,474; Aug. 19.
Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Laminated spring. 2,253,255; Aug. 19.
Weems, Charles L., and P. D. Mays, Quincy, Ill. Decoy gang actuating mechanism. 2,252,795; Aug. 19.
Wehr, William G., East Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Monorail tractor. 2,253,256; Aug. 19.
Weidenman, William T., Spring Valley, assignor to Telephonics Corporation, New York, N. Y. Shaving apparatus. 2,253,156; Aug. 19.
Weingand, Richard, and I. Koberne, Bomlitz, near Walsrode, Germany, assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Producing cellulose sheets and films. 2,253,157; Aug. 19.
Welch, Charles H., Cleveland Heights, Ohio. Display device. 2,252,794; Aug. 19.
Welch, Hiester J. (See Norton, H. F., and Welch.)
Wellman, Guy A., assignor to The Champion Hardware Company, Geneva, Ohio. Door latch. 2,253,257; Aug. 19.
Wendland, Heinrich, Halstenbek near Pinneberg, Germany. Safety device for gas systems. 2,252,905; Aug. 19.
Wengel, Arthur M., Madison, Wis., assignor to Ray-O-Vac Company. Case for a portable hearing aid device. 2,253,216; Aug. 19.
Wenthe, William, Milwaukee, Wis. Trailer. 2,253,217; Aug. 19.
Wesselmann, Louis E., Buffalo, N. Y. Garment bag. 2,253,002; Aug. 19.
Western Cartridge Company. (See Browning, Jonathan E., assignor.)
Western Electric Company. (See Duclos, Aeneas J. N., assignor.)
Western Electric Company. (See Eckel, J. F., and Morsing, assignors.)
Western Union Telegraph Company, The. (See Davis, Max U., assignor.)
Western Union Telegraph Company, The. (See Estes, Phillip H., assignor.)
Western Union Telegraph Company, The. (See Hoover, Ray, assignor.)
Western Union Telegraph Company, The. (See Mample, Adolph Z., assignor.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See Miller, Raymond E., assignor.)
Westinghouse Electric Elevator Company. (See Eames, William F., assignor.)
Westinghouse Electric Elevator Company. (See McCormick, Harold V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baker, Benjamin P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Barrow, G. M., and Crichton, assignors.)
Westinghouse Electric & Manufacturing Company. (See Berkey, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Berkey, W. E., and Johnson, assignors.)
Westinghouse Electric & Manufacturing Company. (See Blankenbuehler, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eisenschmid, Otto, assignor.)
Westinghouse Electric & Manufacturing Company. (See Henninger, Philip E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnson, Frederick B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kalischer, Philip R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kenyon, Alonzo F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kinn, Theodore P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Koch, Gustav H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lee, Paul R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lee, Reuben, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lown, L. E., and Lockwood, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lynn, Clarence, assignor.)
Westinghouse Electric & Manufacturing Company. (See Mahin, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See McLean, John A., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See McShane, Phelan, assignor.)
Westinghouse Electric & Manufacturing Company. (See Müller, Otto, assignor.)
Westinghouse Electric & Manufacturing Company. (See Oman, Carl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Pakala, William E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Parsons, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reifenberg, Joseph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ross, M. D., and Rose, assignors.)
Westinghouse Electric & Manufacturing Company. (See Sashoff, Stephan P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Shoemaker, J. J., and Seelye, assignors.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, J., and Rose, assignors.)
Westinghouse Electric & Manufacturing Company. (See Steinert, Emil F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tanner, Elo C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Veinott, Cyril G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Winkler, F. C., and Yost, assignors.)
Wetmore Reamer Company. (See Hassig, Edward, assignor.)
Wetzel, Theodore A., Milwaukee, Wis. Transmission mechanism. 2,253,357; Aug. 19.
Wheeler, Clyde H., Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter device. 2,252,875; Aug. 19.
Wheller, Harry S., assignor to L. J. Wing Mfg. Co., New York, N. Y. Heating device. 2,252,934; Aug. 19.
Whipple, Allen D., Alexandria, Ind., assignor to Johnson Laboratories, Inc., Chicago, Ill. Compressing finely divided substances and process therefor. 2,253,003; Aug. 19.
White, Howard D. (See Forsthoefel, G. F., and White.)
Whittaker, Croyden M., Cheadle Hulme, C. C. Wilcock, Salford, and C. P. Tattersfield, Audenshaw, near Manchester, assignors to Courtaulds Limited, London, England. Improving the dyeing of textiles. 2,253,457; Aug. 19.
Whittfell, Percy, assignor to Philco Corporation, Philadelphia, Pa. Control mechanism. 2,252,796; Aug. 19.
Widmer, René, assignor to Paillard et Cie S. A., Sainte-Croix, Switzerland. Film gate adjustable for films of different widths. 2,253,258; Aug. 19.
Wilcock, Clifford C. (See Whittaker, C. M., Wilcock, and Tattersfield.)
Wilder, Lot S. (See Mannes, L. D., Godowsky, and Wilder.)
Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method of and machine for producing gears. 2,252,743; Aug. 19.
Wilkerson, Jefferson R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Neutralizing arrangement for telegraph circuits. 2,252,747; Aug. 19.
Willans, Peter W., Hampstead, assignor to Electric and Musical Industries Limited, Hayes, Middlesex, England. Television device. 2,252,746; Aug. 19.
Willard Storage Battery Company. (See Lormor, Henry W., assignor.)
Willard Storage Battery Company. (See Orsino, Joseph A., assignor.)
Willber, Charles, Pendleton, Salford, Manchester, England. Clothes drying and airing cabinet. 2,253,475; Aug. 19.
Williams, Howard E., Huntington Park, Calif. Drill bit head. 2,252,745; Aug. 19.
Williams-Oil-O-Matic Heating Corporation. (See Witherell, Robert R., assignor.)
Williams, Philip S., Tulsa, Okla., assignor to Standard Oil Development Company. Seismic exploration method. 2,253,358; Aug. 19.
Williamson, Larkin R., assignor to E. W. Bliss Company, Brooklyn, N. Y. Clutch and brake mechanism. 2,252,906; Aug. 19.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Television signal-reproducing system. 2,253,312; Aug. 19.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Signal-translating channel. 2,253,313; Aug. 19.
Wilson-Jones Company. (See Potts, J., and Logan, assignors.)
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wilson, Raymond, Ottawa, Ontario, Canada. Die for X-ray mount presses. 2,253,259; Aug. 19.
Wimbush, Ambrose F. (See Benner, D. A., and Wimbush.)
Wimmer, Josef. (See Mugdan, M., and Wimmer.)
Wing, L. J., Mfg. Co. (See Wheller, Harry S., assignor.)
Winkler, Frederic C., and I. A. Yost, Lakewood, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Light projector. 2,253,409; Aug. 19.
Winkeler, Hermann, Schkopau, A. Petz, Mannheim, W. Keller, Dessau, and L. Neumann, Mannheim, Germany, assignors to General Aniline & Film Corporation. Production of trisazo dyestuffs. 2,252,824; Aug. 19.
Winter, Arthur, Weehawken, N. J. Fountain pen. 2,252,907; Aug. 19.
Winter, August P., St. Vital, Manitoba, Canada. Weighing scale dump. 2,253,004; Aug. 19.
Wirth, Alexander, and R. Becker, assignors to Telefonbau und Normalzeit G. m. b. H., Frankfort-on-the-Main, Germany. Telephone system. 2,253,218; Aug. 19.
Wirth, Roy T., East Cleveland, Ohio. Metal alloys and making composite alloys of definite compositions therefrom. 2,253,476; Aug. 19.
Witherell, Robert R., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Automatic coin-controlled electrically operated step-by-step mechanism. 2,252,825; Aug. 19.
Wittich, William F., Denver, Colo. Rotary fluid pressure engine. 2,253,005; Aug. 19.
Wittlief, George, Douglas, Minn. Mousetrap. 2,252,908; Aug. 19.
Wolfson, Abraham, assignor of one-fourth to C. Mur and one-fourth to Y. Pessell, New York, N. Y. Photographic enlarging and printing mechanism. 2,253,200; Aug. 19.
Wood, Charles D., North Bend, British Columbia, Canada. Needle element for knitting machines. 2,253,057; Aug. 19.
Woodford, Watson H., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Lead manufacture. 2,252,876; Aug. 19.
Woodruff, Albert E., Oak Park, and A. F. Horlacher, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Transmitter headset. 2,252,748; Aug. 19.
Woods, Herbert A., assignor to Carter Carburetor Corporation, St. Louis, Mo. Device for promoting and controlling aspiration. 2,252,955; Aug. 19.
Woodward Governor Company. (See Drake, G. F., and Sorensen, assignors.)
Work, Ernest W., assignor to The Beaton & Cadwell Manufacturing Company, New Britain, Conn. Vacuum breaker. 2,253,410; Aug. 19.
Worthington, Emory W., assignor to The Goss Printing Press Company, Chicago, Ill. Rotary printing press ink fountain. 2,253,158; Aug. 19.
Yost, Irvine A. (See Winkler, F. C., and Yost.)
Youd, James T. (See Lloyd, R. H., and Youd.)
Young, Earl S., San Antonio, Tex. Disconnecting roller bearing. 2,253,412; Aug. 19.
Young, Harry R., Merion, assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Spindle drive control for machine tools. 2,253,413; Aug. 19.
Zero Hour Bomb Company. (See Bleakley, William Y., assignor.)
Ziska, Adam, Wauwatosa, assignor, by mesne assignments, to American Hydraulics, Inc., Fond du Lac, Wis. Hydraulic jack. 2,252,826; Aug. 19.
Zwickel, Elmer L., Chicago, Ill., assignor to Acco Products, Inc., Long Island City, N. Y. Fastener. 2,252,827; Aug. 19.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Filler for cartons or other containers. F. H. Sherman. Re. 21,883; Aug. 19.
Method and apparatus for combustion. M. Frisch. Re. 21,878; Aug. 19.
Refrigerator car. G. G. Gilpin. Re. 21,879; Aug. 19.
Road joint. J. H. Jacobson. Re. 21,880; Aug. 19.
Separator, Centrifugal. L. P. Sharples. Re. 21,882; Aug. 19.
Solenoid construction. W. A. and C. R. Ray. Re. 21,881; Aug. 19.
Tool holder. D. S. Anthony. Re. 21,877; Aug. 19.

LIST OF DESIGN INVENTIONS

Air conditioning apparatus or similar article. H. W. Schaefer. 128,942; Aug. 19.
Atomizer. W. Schwarz. 129,006; Aug. 19.
Bathtub. R. G. Fensch. 129,038; Aug. 19.
Bracelet. M. Chernow. 128,928–9; Aug. 19.
Bric-a-brac, Article of. J. Matrick. 128,977; Aug. 19.
Brooch or similar article. W. L. Cambell. 128,973; Aug. 19.
Canister or similar container. M. E. Gougler. 128,937; Aug. 19.
Cap, Bathing. J. M. Witkins. 129,012; Aug. 19.
Cap, Container. P. A. Derham and J. H. Newport, Jr. 128,934–5; Aug. 19.
Casing for a bowling ball stop. E. J. Cloutier. 128,954; Aug. 19.
Casing, Heating stove. J. A. Dahlstrom. 128,975; Aug. 19.
Catapult for a boomerang game device or similar article. M. E. Smith. 129,010; Aug. 19.
Chair. L. Jiranek. 128,938; Aug. 19.
Clip, Jewelry. M. Chernow. 128,930–3; Aug. 19.
Clock. O. Uhl, Jr. 128,984; Aug. 19.
Coat. P. Marcus. 129,041; Aug. 19.
Coat. G. Monteil. 129,043; Aug. 19.
Coat. H. Zuckerman. 129,037; Aug. 19.
Coat. H. Zuckerman. 129,047–55; Aug. 19.
Container and dispenser, Capsule. J. B. Foley. 128,936; Aug. 19.
Curtain or similar article, Lace. M. Sadinoff. 129,009; Aug. 19.
Display mount for backed photographic figures. J. C. Schirrmacher and P. J. Doran. 128,980; Aug. 19.
Display pad for an article of jewelry. C. L. Thatcher. 128,971; Aug. 19.
Dress. J. Bensi. 129,013–14; Aug. 19.
Dress. J. Bensi. 129,095; Aug. 19.
Dress. I. Buchholz. 129,015; Aug. 19.
Dress. I. Buchholz. 129,017–18; Aug. 19.
Dress. I. Buchholz. 129,058–61; Aug. 19.
Dress. I. Buchholz. 129,096–7; Aug. 19.
Dress. B. Cashin. 129,003; Aug. 19.
Dress. B. Cashin. 129,024; Aug. 19.
Dress. C. Charles. 129,062–5; Aug. 19.
Dress. M. Fields. 129,068–71; Aug. 19.
Dress. L. Helms. 129,072; Aug. 19.
Dress. L. Hoshafian. 129,040; Aug. 19.
Dress. V. Jacobs. 128,965; Aug. 19.
Dress. J. J. Kushner. 129,098; Aug. 19.
Dress. T. Leser. 129,042; Aug. 19.
Dress. M. Marve. 129,076; Aug. 19.
Dress. M. Marve. 129,088; Aug. 19.
Dress. D. Mandelker. 129,026; Aug. 19.
Dress. D. Mandelker. 129,028; Aug. 19.
Dress. J. Marchesa. 129,075; Aug. 19.
Dress. G. Monteil. 129,019–21; Aug. 19.
Dress. G. Monteil. 129,029–35; Aug. 19.
Dress. G. Monteil. 129,077–81; Aug. 19.
Dress. G. Monteil. 129,086; Aug. 19.
Dress. G. Monteil. 129,099–100; Aug. 19.
Dress. H. Oppenheimer. 129,101; Aug. 19.
Dress. J. C. Regensburg. 129,022–3; Aug. 19.
Dress. J. C. Regensburg. 129,089; Aug. 19.
Dress. J. Richards. 129,090–2; Aug. 19.
Dress. J. Stolkin. 129,093; Aug. 19.
Dress. G. Világ. 129,036; Aug. 19.
Dress. M. Wuerth. 129,094; Aug. 19.
Dress, Combined evening and street. D. Mandelker. 129,027; Aug. 19.
Dress ensemble. L. Asteroff. 129,056; Aug. 19.
Dress ensemble. F. C. Brogan. 129,057; Aug. 19.
Dress ensemble. I. Buchholz. 129,016; Aug. 19.
Dress ensemble. S. Etkin. 129,066–7; Aug. 19.
Dress ensemble. Z. Golden. 129,004; Aug. 19.
Dress ensemble. M. Hobgood. 129,025; Aug. 19.
Dress ensemble. M. Lynn. 129,073–4; Aug. 19.
Dress ensemble. G. Monteil. 129,082–5; Aug. 19.
Dress ensemble. G. Monteil. 129,087; Aug. 19.
Embalming apparatus, Cabinet-type. G. E. Adams. 128,950; Aug. 19.
Fabric or similar article, Textile. A. Hafner. 129,008; Aug. 19.
Fabric or similar article, Textile. A. Hafner. 129,039; Aug. 19.
Fabric or similar article, Textile. M. Turpan. 129,044; Aug. 19.
Fabric or similar article, Textile. A. Zavell. 128,986; Aug. 19.
Fabric, Textile. I. Cummings. 128,955–7; Aug. 19.
Fabric, Textile. I. Cummings. 128,974; Aug. 19.
Fabric, Textile. C. Nuskind. 128,978; Aug. 19.
Game board. H. M. Bartle. 128,951; Aug. 19.
Glove and mitten, Combined. A. Rhea. 128,999; Aug. 19.
Handbag. L. C. Levine. 129,005; Aug. 19.
Handle for stoves or the like, Pendant type. E. D. Pellegrin. 128,940; Aug. 19.
Handle for stoves or the like. E. D. Pellegrin. 128,941; Aug. 19.
Handle grip for cooking vessels or the like. W. A. Welden. 128,972; Aug. 19.
Hat. P. M. Maxwell and E. Lundberg. 128,992; Aug. 19.
Hat. P. M. Maxwell and E. Lundberg. 128,997–8; Aug. 19.
Hat. P. M. Maxwell and W. J. Russy. 128,993–6; Aug. 19.
Hat. B. C. Tripp. 129,000; Aug. 19.
Hat stiffener. M. G. Bramucci and V. Pellicone. 129,002; Aug. 19.
Jewelry finding. F. Regelmann. 128,979; Aug. 19.
Lace. M. U. Juestrich. 128,962–4; Aug. 19.
Lace. M. U. Juestrich. 128,966; Aug. 19.
Lace. J. A. Sutton. 128,970; Aug. 19.
Lamp fixture, Fluorescent. K. R. Scribner. 128,968; Aug. 19.
Lamp, Fluorescent display. H. Dreyfuss. 128,960; Aug. 19.
Lamp, Projection. W. P. Peterson. 128,967; Aug. 19.
Lighting fixture, Fluorescent. R. A. Hrabak. 128,961; Aug. 19.
Lock. M. L. Marsh. 128,991; Aug. 19.
Masking unit for bowling alley pin setters or the like. E. J. Cloutier. 128,952–3; Aug. 19.
Muff. T. L. Vine. 129,001; Aug. 19.
Newel post for bowling ball racks or the like. E. J. Cloutier. 128,987; Aug. 19.
Pencil and brush, Combined eyebrow. F. N. Lewis. 128,939; Aug. 19.
Ring, Finger. E. Gerardi. 128,976; Aug. 19.
Ring, Finger. G. P. Wagner. 128,949; Aug. 19.
Score table and score projector or similar article, Combined. E. J. Cloutier. 128,988; Aug. 19.
Shoe. H. L. Sutcliffe. 128,943–8; Aug. 19.
Shoe. H. L. Sutcliffe. 128,981–2; Aug. 19.
Shoe. H. L. Sutcliffe. 129,011; Aug. 19.
Shoe. G. Thomas. 128,983; Aug. 19.
Signal, Hand carried traffic. G. Stewart. 128,969; Aug. 19.
Skirt. T. Leser. 128,989; Aug. 19.
Stand, Illuminated display. H. Dreyfuss. 128,958–9; Aug. 19.
Support for a cooking range, Utensil. G. F. Whitehead. 129,007; Aug. 19.
Sweater. T. Leser. 128,990; Aug. 19.
Tie-clip and extension pencil, Combined. J. M. Weiss. 128,985; Aug. 19.
Tool unit, Portable power driven. G. C. Willhide. 129,045–6; Aug. 19.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid, Preparing derivatives of anacardic. E. E. Novotny and G. K. Vogelsang. 2,253,088; Aug. 19.
Acids, Manufacture of fruit. G. M. Cole. 2,253,061; Aug. 19.
Acoustic device. G. M. Giannini and R. W. Carlisle. 2,252,846; Aug. 19.
Air conditioning apparatus. M. Crandall and M. Sanders. 2,253,418; Aug. 19.
Air deflecting apparatus for vehicles. W. L. Morrison. 2,253,134; Aug. 19.
Air delivery device. G. B. Wagner. 2,253,406; Aug. 19.
Air filter. F. L. Myers. 2,252,724; Aug. 19.
Airplane propeller. W. J. Birch. 2,253,013; Aug. 19.
Air pump. B. G. Carlson. 2,252,757; Aug. 19.
Alarm system, Radio. W. L. Foss. 2,252,710; Aug. 19.
Alcohol, Phenolic sugar. J. B. Niederl. 2,252,725; Aug. 19.
Alcohols and producing the same, Mono-ethers of unsaturated dihydric. L. A. Mikeska and E. Arundale. 2,253,342; Aug. 19.
Alloys and making composite alloys of definite composition therefrom, Metal. R. T. Wirth. 2,253,476; Aug. 19.
Alloys, Treating nickel-bearing. P. R. Kalischer. 2,253,334; Aug. 19.
Amides, Substituted hydroaromatic. W. Hentrich, C. A. Laimau, and W. J. Kalser. 2,253,179; Aug. 19.
Amidine, Cyclic. K. Miescher, E. Urech, and W. Klarer. 2,252,721; Aug. 19.
Amidines and preparing same, Amino acid. K. Miescher, W. Klarer, and E. Urech. 2,252,722; Aug. 19.
Amidines and preparing same, Halogen-alkyl. K. Miescher, W. Klarer, and E. Urech. 2,252,723; Aug. 19.
Amines, Secondary xenoxy-alkyl. F. N. Alquist and H. R. Slagh. 2,252,828; Aug. 19.
Anesthetic intermediate, and manufacturing the same, Local. S. D. Goldberg and W. F. Rugk. 2,252,713; Aug. 19.
Animal trap. D. L. Warner. 2,253,254; Aug. 19.
Antenna, Ultra high frequency adjustable. T. P. Kinn. 2,253,379; Aug. 19.
Antichatter device. H. Gass. 2,252,804; Aug. 19.
Antiskid chain for automobile tires. C. A. Morss. 2,252,778; Aug. 19.
Aperture objective, High. G. H. Aklin. 2,252,681; Aug. 19.
Apparatus for automatically controlling feed of fuel to burners on furnaces. P. S. Arnold. 2,253,160; Aug. 19.
Apparatus for boiling aqueous starch mixtures. G. M. Bierly. 2,253,262; Aug. 19.
Apparatus for boiling-off textile fabrics. L. Mees and R. C. and B. A. Parkes. 2,253,083; Aug. 19.
Apparatus for conditioning air. C. H. Roberts. 2,252,982; Aug. 19.
Apparatus for cooling cans. R. H. Lloyd and J. T. Youd. 2,253,383; Aug. 19.
Apparatus for defibering and deinking papers. E. H. Partington and W. H. Porritt. 2,252,781; Aug. 19.
Apparatus for exercising and training eyes. W. F. Peck. 2,252,726; Aug. 19.
Apparatus for fabricating tubular structures. R. W. Brown. 2,253,477; Aug. 19.
Apparatus for feeding and clinching clinch-on nuts and the like. F. N. Ross. 2,253,051; Aug. 19.
Apparatus for feeding compression molds for cigar fillers. C. F. Röber. 2,253,050; Aug. 19.
Apparatus for glass manufacture. J. F. Byers. 2,252,756; Aug. 19.
Apparatus for holding and grinding flexible blades. A. A. Kottmann. 2,252,892; Aug. 19.
Apparatus for hydrocarbon oil conversion. J. G. Alther. 2,253,006; Aug. 19.
Apparatus for printing. C. L. Walter. 2,253,215; Aug. 19.
Apparatus for shot blasting leaf springs. W. H. Wallace. 2,252,823; Aug. 19.
Apparatus for stacking glassware. H. A. Wadman and A. J. Smith. 2,253,155; Aug. 19.
Apparatus for submarine geophysical prospecting. T. B. Pepper. 2,253,472; Aug. 19.
Apparatus for the production of artificial structures. D. F. Babcock. 2,252,684; Aug. 19.
Apparatus for the production of a ray of slow neutrons. H. I. Kallmann and E. Kuhn. 2,253,035; Aug. 19.
Apparatus for the suspension of glass articles or sheets. J. M. D. de Tailly. 2,252,703; Aug. 19.
Apparatus for winding strandular material. A. L. Jackson. 2,253,238; Aug. 19.
Arc welding system. J. H. Blankenbuehler. 2,253,321; Aug. 19.
Article and process for the manufacture thereof. R. Wallach. 2,252,999; Aug. 19.
Article carrier for automobiles. A. E. Fellers, and B. C. Lord. 2,253,423; Aug. 19.
Article hanger. J. E. Cronan. 2,253,286; Aug. 19.
Article of manufacture. J. Vassos and J. J. Callahan. 2,252,873; Aug. 19.
Aspirator, Dental. H. P. Siegel. 2,253,143; Aug. 19.
Automobile suspension. J. W. Leighton. 2,253,436; Aug. 19.
Automobile visor and rear vision mirror support construction. S. M. Levy. 2,252,716; Aug. 19.
Automotive vehicle. L. H. Sohl. 2,252,871; Aug. 19.
Awnings for automotive vehicle windshields and the like. R. A. Sharp. 2,253,353; Aug. 19.
Axle box pedestal structure, Railway. A. H. Pagenkemper. 2,252,944; Aug. 19.
Bag: *See*—
  Garment bag.
Baking device. L. P. Smith. 2,252,990; Aug. 19.
Balancing a foot within a shoe. C. P. Leydecker. 2,252,936; Aug. 19.
Bandage, Digit. W. D. Casey, Jr. 2,253,108; Aug. 19.
Bassinet, Folding. E. M. Farrand. 2,253,024; Aug. 19.
Battery, Storage. J. A. Orsino. 2,253,247; Aug. 19.
Bearing: *See*—
  Roller bearing. Self-compensating bearing.
Bearing and bearing retainer. F. M. Caldwell. 2,253,416; Aug. 19.
Bearing means for shafts. J. Goerth. 2,253,119; Aug. 19.
Beat-up mechanism of looms for weaving. D. W. Shimwell. 2,253,097; Aug. 19.
Belt for trousers, Elastic half. C. Barosi. 2,253,104; Aug. 19.
Belting and lining material. W. H. Curry and J. T. Potts. 2,252,836; Aug. 19.
Binder for sheaves and the like. R. Spector. 2,253,464; Aug. 19.
Binder, Loose-leaf. J. Potts and G. L. Logan. 2,252,783; Aug. 19.
Binding post and jack-plug unit for electrical installations. H. P. Blake. 2,253,223; Aug. 19.
Blade, Hacksaw. W. H. Shortell and L. D. Hawkridge. 2,252,869; Aug. 19.
Blade holder. E. R. Douglass. 2,253,422; Aug. 19.
Blade, Wiper. C. C. Peterson. 2,253,249; Aug. 19.
Block: *See*—
  Coated lightning-arrester block. Lightning arrester block.
Board: *See*—
  Building board.
Bobbin. A. L. Jackson. 2,253,488; Aug. 19.
Boiler control, Self-cleaning. O. F. Carlson. 2,252,962; Aug. 19.
Boosting mechanism for bread slicing machines. A. Di Prima. 2,253,367; Aug. 19.
Bottle carrier. B. F. Hamilton. 2,252,848; Aug. 19.
Bottle feed and holdback motion. C. Holm and H. A. E. Sjoberg. 2,252,931; Aug. 19.
Bottleneck. J. Krenach. 2,253,336; Aug. 19.
Box: *See*—
  Shipping and display box.
Bracket. O. Vieth and W. E. Aeschbach. 2,252,952; Aug. 19.
Bracket for switch boxes, Mounting. C. E. Walters. 2,252,953; Aug. 19.
Brake: *See*—
  Hydraulic brake.
Brake apparatus for vehicles. J. C. McCune. 2,252,940; Aug. 19.
Brake head wear element. M. S. Johnson. 2,253,031; Aug. 19.
Brake mechanism. C. L. Eksergian and J. H. Coombes. 2,253,268; Aug. 19.
Brake mechanism for vehicle road wheels. F. Porsche. 2,252,860; Aug. 19.
Brake safety hanger. G. W. Sabold. 2,253,199; Aug. 19.
Brake system, Automotive vehicle. G. E. Porter. 2,253,305; Aug. 19.
Breather for liquid containers. R. Higgins. 2,253,295; Aug. 19.
Brick, Building. W. S. Grice. 2,253,234; Aug. 19.
Broaching machine. F. J. Lapointe. 2,253,303; Aug. 19.
Bucket, Chain dredge. W. H. Stires. 2,253,448; Aug. 19.
Building board. H. J. Hyde. 2,253,298; Aug. 19.
Building construction element. V. C. Adler. 2,252,956; Aug. 19.
Burner: *See*—
  Fuel burner. Oil burner.
  Liquid fuel burner.
Burner for gas ranges, Oven. J. F. Hennessy. 2,253,178; Aug. 19.

Calculating device. H. W. Backman and L. A. Powers, Jr. 2,252,749; Aug. 19.
Cabinet: *See*—
  Knockdown cabinet.
  Sterilizing and storage cabinet.
Cable: *See*—
  Electrical cable.
Calculating machine. R. A. Christian. 2,253,229; Aug. 19.
Calculating device. L. P. Drucker. 2,253,113; Aug. 19.
Calf weaner. J. T. Martin. 2,252,894; Aug. 19.
Calking equipment. R. W. Thompson. 2,253,151; Aug. 19.
Can opener. E. C. Eberts. 2,253,481; Aug. 19.
Canning machine, Asparagus. T. C. Massicott. 2,253,133; Aug. 19.
Capsule forming mechanism. A. W. Kath and A. Colton. 2,253,301; Aug. 19.
Car construction. S. B. Haseltine. 2,252,889; Aug. 19.
Car construction. R. J. Olander. 2,252,897; Aug. 19.
Carburetor structure. G. M. Bicknell. 2,252,958; Aug. 19.
Carburetor structure. M. C. Brown. 2,252,960; Aug. 19.
Carrier: *See*—
  Bottle carrier.
Carrier frequency to a double circuit, Method of connecting. W. E. Pakala, 2,253,393; Aug. 19.
Carton for cone top cans, shipping. J. Haycock. 2,253,273; Aug. 19.
Case: *See*—
  Jewelry case.
Case for a portable hearing aid device. A. M. Wengel. 2,253,216; Aug. 19.
Cash register. E. Breitling. 2,253,226; Aug. 19.
Catalytic cracking. J. W. Teter. 2,252,740; Aug. 19.
Catalytic reactor. J. W. McCausland. 2,252,719; Aug. 19.
Cathode ray tube. B. C. Fleming-Williams. 2,252,744; Aug. 19.
Cellulose and cellulosic fibers and products, Treating and finishing. E. O. Ridgway and F. C. Tucker. 2,252,730; Aug. 19.
Cellulose compounds, Gelatinous solutions of. A. A. Houghton and J. Craik. 2,253,297; Aug. 19.
Cellulose derivative compositions, Plasticized. J. B. Dickey and J. B. Normington. 2,253,065; Aug. 19.
Cellulose, Preparing a solution of. E. O. Ridgway and W. A. Bodenschatz. 2,252,731; Aug. 19.
Cellulose textile material, Treating. E. O. Ridgway and W. A. Bodenschatz. 2,252,732; Aug. 19.
Cellulosic compositions of matter containing organic ester amides. J. B. Dickey and J. G. McNally. 2,253,064; Aug. 19.
Chair back construction. S. J. Gedris. 2,252,970; Aug. 19.
Chassis for vehicles, especially tubular chassis for motor vehicles. L. Niessen. 2,253,193; Aug. 19.
Chlorinated rubber and its production. J. M. Peterson. 2,252,728; Aug. 19.
Chlorination of titanium bearing materials. I. E. Muskat and R. H. Taylor. 2,253,471; Aug. 19.
Chuck. C. G. Brodd. 2,253,106; Aug. 19.
Chuck. C. A. Palmgren. 2,253,345; Aug. 19.
Circuit: *See*—
  Electrical circuit.
  Electrical transmission circuit.
Circuit breaker, Electric. A. M. Rossman. 2,252,983; Aug. 19.
Circuit breaker, Fluid blast. D. C. Prince. 2,253,197; Aug. 19.
Circuit breaker, Gas blast electric. W. E. Paul. 2,253,196; Aug. 19.
Circuit controlling device. H. K. Krantz. 2,253,335; Aug. 19.
Circuit for use especially with inductive output tubes, Resonant chamber. A. S. Maslov. 2,253,080; Aug. 19.
Circuit interrupter. B. P. Baker. 2,253,009; Aug. 19.
Circuit interrupter. H. W. Lord. 2,253,129; Aug. 19.
Circuit interrupter. O. Müller. 2,253,390; Aug. 19.
Circuit interrupter contact. J. Slepian. 2,253,401; Aug. 19.
Circuit with automatic release of blank holder pressure on idle stroke, Blank holder. W. Ernst. 2,252,881; Aug. 19.
Circuits for electrotherapeutics, Oscillating. E. Mittelmann. 2,252,941; Aug. 19.
Circuits, Harmonic reduction. R. Lee. 2,253,381; Aug. 19.
Circulating mechanism, Ink. E. W. Hamant. 2,253,122; Aug. 19.
Clamp: *See*—
  Tap clamp.
Clamp. O. F. Tallman. 2,252,820; Aug. 19.
Clay gun. A. F. Glese, Jr. 2,252,712; Aug. 19.
Cleaner: *See*—
  Spark plug cleaner. Suction cleaner.
Clip: *See*—
  Terminal clip.
Clip device. J. Todd. 2,252,904; Aug. 19.
Clutch: *See*—
  Friction clutch. Releasing clutch.
  Frictional clutch. Rotary clutch.
Clutch. L. Bertraud. 2,253,284; Aug. 19.
Clutch. C. Johansen. 2,253,431; Aug. 19.
Clutch and brake mechanism. L. R. Williamson. 2,252,906; Aug. 19.
Coated lightning-arrester blocks. W. E. Berkey. 2,253,360; Aug. 19.
Coating apparatus. E. R. Clearman. 2,253,060; Aug. 19.
Coins, tokens, and the like, Differentially selecting. C. W. Nixon. 2,253,194; Aug. 19.
Collars, Means for applying expansible. B. H. Barnes and B. S. Minor. 2,252,692; Aug. 19.
Comb, Self-cleaning sanitary. L. Greenspan. 2,253,373; Aug. 19.
Communication system. H. R. Shaw. 2,253,144; Aug. 19.
Compressing finely divided substances and process therefor. A. D. Whipple. 2,253,003; Aug. 19.
Condensates from gas, Removing. H. J. Stoever. 2,252,739; Aug. 19.
Condensor, Electrical. F. W. Godsey, Jr. 2,253,026; Aug. 19.
Conduction device, Gaseous. C. G. Smith. 2,253,145; Aug. 19.
Congelation machine and method. A. H. Baer. 2,252,913; Aug. 19.
Connection, Pneumatic. S. S. Gillespie and M. C. Richards. 2,253,118; Aug. 19.
Connector: *See*—
  Electrical connector.
Container: *See*—
  Liquid supply container. Tubular container.
  Paper container.
Container. S. H. Cronström. 2,253,111; Aug. 19.
Container for liquids. F. O. Conill. 2,252,915; Aug. 19.
Container and method of making the same. G. A. Moore. 2,252,779; Aug. 19.
Control apparatus, Exposure. C. M. Tuttle and A. M. Koerner. 2,253,055; Aug. 19.
Control device for internal combustion engines. E. Becker. 2,252,693; Aug. 19.
Control device, Ticket. A. W. Ward. 2,253,311; Aug. 19.
Control for water-gas plants or the like, Automatic. J. Daniels. 2,252,801; Aug. 19.
Control mechanism. P. Whittell. 2,252,796; Aug. 19.
Control, Sound characteristic. D. P. Loye and K. F. Morgan. 2,253,186; Aug. 19.
Control system. J. W. Dawson. 2,253,365; Aug. 19.
Control system. A. F. Kenyon. 2,253,378; Aug. 19.
Control system, Automatic volume. C. Travis. 2,253,450; Aug. 19.
Control system for elevators, Over-quota. W. F. Eames. 2,253,369; Aug. 19.
Control system, Hydraulic. J. B. A. de Boysson. 2,253,112; Aug. 19.
Control system, Refrigerator. E. H. Ayers. 2,253,162; Aug. 19.
Control system, Supervisory. C. E. Stewart. 2,253,147; Aug. 19.
Controlling mechanism, Web roll. S. C. Freeman. 2,252,969; Aug. 19.
Conveyer. A. C. Jaeckel. 2,253,333; Aug. 19.
Conveyer. J. E. Regan. 2,253,198; Aug. 19.
Core covering apparatus. J. F. Eckel and W. Morsing. 2,253,069; Aug. 19.
Corer, Tomato. W. E. and G. W. Urschel. 2,252,951; Aug. 19.
Cornhusker. C. E. Kerr. 2,252,933; Aug. 19.
Cough drop. A. J. Lautman. 2,252,934; Aug. 19.
Coupling: *See*—
  Hose coupling.
Cover for range tops. A. H. Brodbeck. 2,252,753; Aug. 19.
Coverings on wires, cables, and the like, Saturating fibrous. C. O. Bruestle. 2,252,755; Aug. 19.
Cowl. D. Friedman. 2,253,117; Aug. 19.
Crate or receptacle. A. T. Faulkner. 2,252,964; Aug. 19.
Cultivator staff. W. W. Swearinger. 2,253,449; Aug. 19.
Curler, Eyelash. W. R. Tuttle and C. W. Stickel. 2,252,742; Aug. 19.
Curler, Hair. D. Archer. 2,252,910; Aug. 19.
Current Collector. E. E. Arnold. 2,253,359; Aug. 19.
Currents to polyphase currents, Conversion of single phase alternating electric. S. A. Stevens and A. H. B. Walker. 2,253,053; Aug. 19.
Curtain rod of the railway type. W. Hachtel. 2,253,427; Aug. 19.
Cutlery. W. V. Mounts. 2,252,896; Aug. 19.
Cutter head, Dry shaver, R. Knapp. 2,253,037; Aug. 19.
Cutting and testing machine, Material. D. R. Stewart. 2,252,993; Aug. 19.
Cutting or welding and heat treating apparatus. H. W. Jones, H. H. Moss and G. W. Patch, Jr. 2,253,377; Aug. 19.
Cutting tool. K. R. Macklin. 2,252,893; Aug. 19.
Cutting tool, Rotary. E. Hassig. 2,253,028; Aug. 19.
Damper regulator. R. Entriken. 2,253,328; Aug. 19.
Damping means, Vibration. A. B. R. Fedden and F. Nixon. 2,253,025; Aug. 19.
Decorating mechanism, Surface. L. V Casto, G von Webern, and E. W. Hamant. 2,253,109; Aug. 19.
Decoration. C. J. Davies. 2,252,704; Aug. 19.
Decoy gang actuating mechanism. C. L. Weems and P. D. Mays. 2,252,795; Aug. 19.
Dental instrument. T. S. Malson. 2,253,132; Aug. 19.
Dentistry jaw. C. E. Liedberg. 2,252,935; Aug. 19.
Derrick, Portable well. G. K. Claire. 2,253,487; Aug. 19.

Device for measuring flatness of glass. C. M. Tuttle and R. V. Cartwright. 2,253,054; Aug. 19.
Device for promoting and controlling aspiration. H. A. Woods. 2,242,955; Aug. 19.
Diaper, Pinless. A. M. Segall. 2,252,988; Aug. 19.
Diaphragms, Making. P. L. Clark, Jr., and C. Waterbury. 2,252,758; Aug. 19.
Die for X-ray mount presses. R. Wilson. 2,253,259; Aug. 19.
Diesel engine. C. A. Balton. 2,252,914; Aug. 19.
Diethylstilbestrol and other stilbene derivatives, and intermediates therefor, Preparing. W. Braker, M. A. Dolliver, E. Pribyl, and F. A. Smith. 2,252,696; Aug. 19.
Diode-triode apparatus. E. Lacey. 2,253,337; Aug. 19.
Directional signal. K. Mandelbaum. 2,252,975; Aug. 19.
Discharge apparatus for pumps. L. H. Pierce. 2,253,046; Aug. 19.
Discharge device, Luminous electric. J. H. McCauley. 2,253,441; Aug. 19.
Disconnecting switch. E. F. Sixtus. 2,252,901; Aug. 19.
Disk implement. E. F. Ohlendorf. 2,253,391; Aug. 19.
Disks, Formsetting abrasive. F. O. Albertson. 2,252,683; Aug. 19.
Dispensing rack. R. M. and R. V. Robbins. 2,253,094; Aug. 19.
Display device. C. H. Welch. 2,252,794; Aug. 19.
Display fixture, Advertising. E. R. Dean. 2,252,707; Aug. 19.
Distribution system, Network. J. S. Parsons. 2,253,394–5; Aug. 19.
Distributor for stokers. E. F. Seibel and A. Hutton. 2,253,213; Aug. 19.
Ditching machine. A. A. Dicke. 2,252,837; Aug. 19.
Door latch. G. A. Wellman. 2,253,237; Aug. 19.
Door operating mechanism. G. W. Dunham. 2,253,170; Aug. 19.
Door structure, Enameled. J. H. Reifenberg. 2,253,398; Aug. 19.
Double toggle finger holder. A. E. Drissner. 2,252,840; Aug. 19.
Draft check. C. E., E. H., and I. E. P. Marx. 2,253,281; Aug. 19.
Draft control. E. A. Field, Jr. 2,253,290; Aug. 19.
Drawer for refrigerated locker system. W. M. Baird. 2,253,317; Aug. 19.
Drill: *See*—
Portable drill.
Drill bit head. H. E. Williams. 2,252,745; Aug. 19.
Drill stem protector. V. Parkin. 2,252,978; Aug. 19.
Drive control for machine tools, Spindle. H. R. Young. 2,253,413; Aug. 19.
Drive for printing presses and other machines. C. P. Feldhausen. 2,252,762; Aug. 19.
Drive for straight knitting machines, Reciprocating. F. MacKay. 2,253,439; Aug. 19.
Drive mechanism for axle driven speed responsive devices for railway trains. H. L. Bone and J. W. Livingston. 2,253,058; Aug. 19.
Dry battery lamp. E. E. Seiss. 2,252,950; Aug. 19.
Drying and airing cabinet, Clothes. C. Willber. 2,253,475; Aug. 19.
Drying apparatus, Coal. G. N. Perkins. 2,252,814; Aug. 19.
Dump mechanism, Pan. F. W. Pullen. 2,253,348; Aug. 19.
Dust collector. H. P. Bacon. 2,253,261; Aug. 19.
Dye compounds, Nitroalkylamino-anthraquinone. J. G. McNally and J. B. Dickey. 2,253,082; Aug. 19.
Dyestuffs insoluble in water, Azo. E. Fischer and E. Heinrich. 2,252,844; Aug. 19.
Dyestuffs insoluble in water, Mono-azo. E. Fischer. 2,252,843; Aug. 19.
Dyestuffs, Production of trisazo. H. Winkeler, A. Petz, W. Keller, and L. Neumann. 2,252,824; Aug. 19.
Dyestuff, Sulphur. N. M. Bigelow and J. E. Cole. 2,253,167; Aug. 19.
Dynamoelectric machine. W. J. Morrill. 2,253,191; Aug. 19.
Edger, Lawn. J. T. Findlay. 2,253,116; Aug. 19.
Edger, Lawn. C. O. Goserud. 2,252,888; Aug. 19.
Electric discharge apparatus. H. W. Lord. 2,253,184–5; Aug. 19.
Electric distribution, System of. G. R. McDonald. 2,253,188; Aug. 19.
Electric support. G. B. Benander. 2,253,163; Aug. 19.
Electric switch. W. S. Garland. 2,253,425; Aug. 19.
Electric switch. J. J. Shoemaker and H. P. Seelye. 2,253,400; Aug. 19.
Electrical cable. M. H. Savage and E. J. Butler. 2,253,138; Aug. 19.
Electrical circuit. W. Richter. 2,253,307; Aug. 19.
Electrical connector. G. B. Benander. 2,253,164; Aug. 19.
Electrical machine. G. A. Gillen. 2,252,887; Aug. 19.
Electrical plug. J. Centrella. 2,253,015; Aug. 19.
Electrical prospecting method and apparatus. C. B. Bazzoni and J. Razek. 2,253,485; Aug. 19.
Electrical transmission circuit. W. A. MacNair. 2,253,079; Aug. 19.
Electrode, Electric discharge. W. H. Bennett. 2,252,694; Aug. 19.
Electrode for vapor-electric converters. Make-alive. J. Slepian and H. A. Rose. 2,253,402; Aug. 19.
Electron discharge device. C. F. Miller. 2,253,208; Aug. 19.
Emblem, Multiple unit. A. L. Nalick. 2,253,343; Aug. 19.
Engine: *See*—
Diesel engine. Internal combustion
Fluid pressure engine. engine.
Engine. D. J. Campbell. 2,252,961; Aug. 19.
Enlarging and printing mechanism, Photographic. A. Wolfson. 2,253,200; Aug. 19.
Envelopes, Manufacture of one-piece, dry-sealing window. V. E. Heywood. 2,252,806; Aug. 19.
Erythramine and its production. K. Folkers and F. Koniuszy. 2,252,709; Aug. 19.
Exercising device. C. W. Senn. 2,252,868; Aug. 19.
Exhibitor, Carrier controlled. J. E. Gruden. 2,252,805; Aug. 19.
Extension table. O. A. Barrett, M. Languis, and T. E. McFall. 2,253,010; Aug. 19.
Exterminator, Rodent and insect. N. R. Tench 2,252,994; Aug. 19.
Fabric: *See*—
Woven fabric.
Fabric, Preparing. L. Daché. 2,253,062; Aug. 19.
Fabric supporting and feeding apparatus. R. G. Knowland and J. H. Johnson. 2,253,380; Aug. 19.
Facing for trimmer gauges, Replaceable. A. W. Svensson. 2,253,354; Aug. 19.
Fan. M. F. Dowell. 2,253,066; Aug. 19.
Fan, Oscillating. G. H. Koch. 2,253,127; Aug. 19.
Fastener. E. L. Zwickel. 2,252,827; Aug. 19.
Fastener and installation of the same, Double snap. C. L. Hall. 2,252,925; Aug. 19.
Fastening-inserting machine. R. Müller. 2,252,780; Aug. 19.
Fastening means for detachably securing handles to operating shafts. H. E. Lasch. 2,252,855; Aug. 19.
Feed products, Production of animal. H. E. Batterman. 2,253,319; Aug. 19.
Feeding device. V. E. McCoy. 2,252,939; Aug. 19.
Feeding device, Glass. T. H. Jeffers. 2,253,277; Aug. 19.
Filaments, ribbons, and the like, Production of. W. H. Bradshaw. 2,252,689; Aug. 19.
Filler, Caulking gun. R. W. Thompson. 2,253,150; Aug. 19.
Film, Color correction in printing multilayer. R. M. Evans. 2,253,070; Aug. 19.
Film gate adjustable for films of different widths. R. Widmer. 2,253,258; Aug. 19.
Film, Sound on. J. R. Kiel. 2,253,302; Aug. 19.
Film, splicing apparatus. D. L. Babcock. 2,252,685; Aug. 19.
Filter: *See*—
Air filter.
Finger holder. A. E. Drissner. 2,252,839; Aug. 19.
Firearm, Gas-operated automatic. J. E. Browning. 2,252,754; Aug. 19.
Fishing hook, particularly for the catching of big fish. H. Heineke and W. Hauschild. 2,253,125; Aug. 19.
Fishing line. L. A. Quindry. 2,253,048; Aug. 19.
Fishing reel, Deep sea. W. D. Marr. 2,252,777; Aug. 19.
Flashlight attachment. S. F. Andrus. 2,253,315; Aug. 19.
Flatiron cord support. C. L. Mulder. 2,253,462; Aug. 19.
Floor and roof joist, Concrete. A. H. Rhett. 2,252,980; Aug. 19.
Flour sifter combination. L. G. Copeman. 2,252,701; Aug. 19.
Flow device, Intermittent. E. E. Peake. 2,253,396; Aug. 19.
Fluid conditioning apparatus. H. W. Schaefer. 2,252,865; Aug. 19.
Fluid pressure engine, Rotary. W. F. Wittich. 2,253,005; Aug. 19.
Fluid pressure system. E. F. Loweke. 2,253,240; Aug. 19.
Flytrap. F. W. Cotterman. 2,253,017; Aug. 19.
Folding machine, Buckling. G. Spiess. 2,253,446; Aug. 19.
Forceps, Dental. O. B. Arnold. 2,252,798; Aug. 19.
Form bursting and stacking apparatus. J. Q. Sherman and R. G. Ratchford. 2,252,733; Aug. 19.
Fountain, Rotary printing press ink. E. W. Worthington. 2,253,158; Aug. 19.
IV-B elements with alpha-beta unsaturated acids, Compounds of group. C. M. Langkammerer. 2,253,128; Aug. 19.
Frame construction, Fan motor. W. B. Kochner. 2,253,033; Aug. 19.
Friction clutch. M. U. Davis. 2,253,459; Aug. 19.
Friction clutch. C. W. Higgs. 2,253,294; Aug. 19.
Friction clutch. H. Nutt and L. W. Cook. 2,253,344; Aug. 19.
Friction material and making same. R. E. Steck. 2,252,991; Aug. 19.
Friction clutch. J. R. Burbridge. 2,253,168; Aug. 19.
Fuel burner. A. S. Gerquest. 2,253,175; Aug. 19.
Fuel heating attachment. S. Grevas. 2,252,972; Aug. 19.
Fuel injection apparatus for Diesel and other internal combustion engines. W. Voit. 2,253,454; Aug. 19.
Fuel injection apparatus for internal combustion engines. F. Eldeneler. 2,253,455; Aug. 19.
Furnace. E. Frankland. 2,252,968; Aug. 19.
Furs, Dressing and treating. O. F. Muller and R. G. Schwarz, Jr. 2,253,192; Aug. 19.

Fusing apparatus, Electric metal. R. K. Hopkins. 2,253,207; Aug. 19.
Game, Airline radio beam. F. D. Clarke. 2,252,700; Aug. 19.
Garbage and trash disposal boat. J. Schadek. 2,252,948; Aug. 19.
Garbage receptacle and rat trap, combined. W. C. McAnlis. 2,252,812; Aug. 19.
Garment bag. L. E. Wesselmann. 2,253,002; Aug. 19.
Garment, Drop seat. E. O. Feliroth. 2,252,884–5; Aug. 19.
Gas and liquid searating device. R. S. Bassett. 2,252,687; Aug. 19.
Gas cable installation. F. W. Engster. 2,253,171; Aug. 19.
Gas for the detection of carbon monoxide, Testing. A. Z. Mample. 2,253,187; Aug. 19.
Gas pressure device, Mechanical. D. Ferrell and A. W. Helmholtz. 2,253,115; Aug. 19.
Gas producer. J. Daniels. 2,252,802; Aug. 19.
Gas reactions in regenerative gas heaters, Carrying out endothermic. H. Koppers, F. Totzek, and W. Linder. 2,252,810; Aug. 19.
Gasoline manufacture. L. Heard and A. G. Oblad. 2,252,927; Aug. 19.
Gauge and tool. H. S. Lewis. 2,253,278; Aug. 19.
Gear. H. E. Golber. 2,253,270; Aug. 19.
Gearing. G. Forton. 2,252,967; Aug. 19.
Generator: *See*—
Steam generator.
Generators, Voltage control of direct-current. C. Lynn. 2,253,340; Aug. 19.
Germicidal preparation. E. Klarmann. 2,253,182; Aug. 19.
Gin with pneumatic mote discharge, Air blast. J. J. Wallace. 2,253,456; Aug. 19.
Glass cleaning apparatus. R. G. Sarver. 2,252,787; Aug. 19.
Glycosides, Haloalkyl polyacyl. H. W. Coles and M. L. Dodds. 2,252,706; Aug. 19.
Golfer's training rack. E. W. Botts. 2,252,831; Aug. 19.
Governor. G. F. Drake and G. Sorensen. 2,252,838; Aug. 19.
Governor for dynamos, Electromagnetic vibratory. F. Menzel. 2,253,483; Aug. 19.
Grading machine. P. Van Wyk. 2,252,909; Aug. 19.
Grater. J. A. Murdock. 2,252,859; Aug. 19.
Grille guard, Radiator. R. V. Morse. 2,253,041; Aug. 19.
Grinder, Production blade. G. J. Calame. 2,252,879; Aug. 19.
Grinding machine. R. H. Cramer. 2,253,324; Aug. 19.
Grinding machine. H. E. Somes and F. J. Mueller. 2,252,818; Aug. 19.
Grinding machine, Way. C. Baldenhofer. 2,252,877; Aug. 19.
Guide, Cooking temperature. I. Nachumsohn. 2,253,043; Aug. 19.
Gun, Metal spray. C. M. Mourer. 2,252,942; Aug. 19.
Hacksaw. P. E. Martin. 2,253,440; Aug. 19.
Hair curling appliance. D. Archer. 2,252,911; Aug. 19.
Halide emulsion, Photographic silver. W. G. Lowe. 2,253,078; Aug. 19.
Hammer mill. J. A. F. Neal. 2,253,087; Aug. 19.
Hand loom. M. O. Gallinger. 2,253,329; Aug. 19.
Handle for baskets and like receptacles. P. Hintz. 2,252,930; Aug. 19.
Handle for files. L. R. Fetterolf. 2,252,965; Aug. 19.
Handle remover, Automobile door. J. L. Allen. 2,252,797; Aug. 19.
Handling and unloading machine, Carton. H. L. Minaker. 2,253,283; Aug. 19.
Handling apparatus, Container. H. E. Gantzer. 2,252,845; Aug. 19.
Hanger: *See*—
Article hanger. Syringe hanger.
Break safety hanger.
Harness and tension easing mechanism for weaving a tubular bag with a three end leno weave, Special loom. W. W. Arnold, Jr. 2,253,202; Aug. 19.
Harvester, Windrow. J. Ommodt. 2,253,044; Aug. 19.
Harvesting machine, Combined beet. D. L. Cooper, S. A. Boltz, and R. W. Sumey. 2,252,799; Aug. 19.
Hat, Adjustable. A. J. Subira and W. D. Spencer. 2,252,902; Aug. 19.
Heater: *See*—
Water heater.
Heating and air conditioning unit. D. H. Powers. 2,252,784; Aug. 19.
Heating device. H. S. Wheller. 2,252,954; Aug. 19.
Hen's nest. F. G. Ulerick. 2,253,451; Aug. 19.
Hinge construction for upward acting doors. H. J. Siess. 2,252,737; Aug. 19.
Hoisting apparatus. L. B. Sohn. 2,253,253; Aug. 19.
Holder: *See*—
Blade holder. House number holder.
Double toggle finger holder. Nozzle holder.
Finger holder. Shoulder strap holder.
X-ray holder.
Holder for foodstuffs while roasting. J. C. Kernick. 2,253,434; Aug. 19.
Holding and tensioning device for cameras, Spool. C. W. Peterson. 2,253,090; Aug. 19.
Hollow rotating bodies, Manufacture of. R. Fraknoi. 2,253,291; Aug. 19.
Hook: *See*—
Fishing hook.
Horse, Mechanical. R. E. Sheldon. 2,253,096; Aug. 19.
Hose coupling. L. Edelmann. 2,252,920; Aug. 19.
House number holder, Illuminated. E. L. Huey. 2,253,236; Aug. 19.
Hub brake mechanism. A. Lesage. 2,252,774; Aug. 19.
Humidifier. M. F. Irwin. 2,253,237; Aug. 19.
Humidifying device. P. F. Seibold. 2,253,352; Aug. 19.
Hydraulic brake. C. L. Eksergian. 2,253,205; Aug. 19.
Hydraulic jack. A. Ziska. 2,252,826; Aug. 19.
Hydrocarbon conversion. R. F. Marschner. 2,252,928; Aug. 19.
Hydrocarbons, Catalytic conversion of. A. Belchetz. 2,253,486; Aug. 19.
Hydrocarbons, Conversion of. J. G. Alther. 2,253,007; Aug. 19.
Hydrocarbons, Desulphurization of. R. Rosen. 2,253,308; Aug. 19.
Hydrocarbons, Treatment of. H. Fehrer. 2,252,842; Aug. 19.
Hydrocarbons, Treatment of composite. T. B. Prickett and G. S. Dunham. 2,252,729; Aug. 19.
Hydroxyalkyl mono ethers of p,p'-dihydroxy diphenyl amines and making same. N. M. Bigelow and J. E. Cole. 2,253,166; Aug. 19.
Ice breaking tool. D. H. Reeves. 2,253,397; Aug. 19.
Ignition mechanism. A. J. and W. J. Barnum. 2,253,221; Aug. 19.
Ignition system, Internal combustion engine. A. J. Di Lucci. 2,253,204; Aug. 19.
Impedance device. G. M. Barrow and L. N. Crichton. 2,253,318; Aug. 19.
Index device, Color. J. W. Brooks. 2,253,107; Aug. 19.
Indicator: *See*—
Pressure indicator.
Radio cartographic position indicator.
Ingot and feeder therefor, Slip-off. A. H. Jung. 2,252,808; Aug. 19.
Ink and manufacturing the same. J. G. Curado. 2,252,702; Aug. 19.
Ink and preparation, Quick drying printing. J. G. Curado. 2,252,917; Aug. 19.
Inking apparatus. J. D. Tyler. 2,252,790; Aug. 19.
Insulating material, Electric. M. Mugdan and J. Wimmer. 2,252,858; Aug. 19.
Insulator, Tubular. W. H. Burleson. 2,253,264; Aug. 19.
Internal combustion engine. M. Schniekart. 2,252,987; Aug. 19.
Internal combustion engine, Rotary. E. Shufeldt. 2,253,445; Aug. 19.
Jack: *See*—
Hydraulic jack. Pump jack.
Jack operating mechanism, Hydraulic. G. Plymesser. 2,253,347; Aug. 19.
Jar for testing liquids, Transparent double walled. W. M. Basch. 2,252,750; Aug. 19.
Jelly and manufacture thereof. N. M. Mnookin. 2,253,389; Aug. 19.
Jewelry article, Making a. I. Hopfenberg. 2,252,851; Aug. 19.
Jewelry case. M. L. Rathbun. 2,253,212; Aug. 19.
Joint: *See*—
Universal joint.
Joint. H. C. Lord. 2,252,938; Aug. 19.
Ketones and aldehydes, Manufacture of. V. N. Ipatieff and R. E. Schaad. 2,253,034; Aug. 19.
Key holder and protector. R. E. Jackson. 2,253,332; Aug. 19.
Kiln or drier, Rotary. C. A. Schneider. 2,253,098; Aug. 19.
Knitted stocking and making the same. H. E. Houseman. 2,252,768; Aug. 19.
Knitting machine. H. E. Houseman. 2,253,331; Aug. 19.
Knitting method and machine. H. E. Houseman 2,252,769; Aug. 19.
Knockdown cabinet. H. Lee. 2,253,038; Aug. 19.
Knurling tool. W. A. Heinrich. 2,252,891; Aug. 19.
Laminated spring. T. R. Weber. 2,253,255; Aug. 19.
Lamp: *See*—
Dry battery lamp.
Larch: *See*—
Door latch. Pipe coupler latch.
Lead manufacture. W. H. Woodford. 2,252,876; Aug. 19.
Leaf flipper. P. O. Unger. 2,252,792; Aug. 19.
Lid support, Counterbalanced. J. T. Atwood. 2,253,161; Aug. 19.
Lift mechanism, Plow. K. G. Cunningham. 2,253,419; Aug. 19.
Light sensitive electrode and manufacture. R. B. Janes 2,252,770; Aug. 19.
Lightning-arrestor block. F. B. Johnson. 2,253,376; Aug. 19.
Lightning arrester, Resistance-shunted. W. E. Berkey and F. B. Johnson. 2,253,361; Aug. 19.
Link for antiskid cross chains. A. L. McKinnon. 2,252,976; Aug. 19.
Liquid fuel burner. H. M. Ulistrand. 2,253,056; Aug. 19.
Liquid supply container. M. Hurst. 2,253,467; Aug. 19.
Loader, Lehr. F. C. and W. E. Link. 2,252,937; Aug. 19.

Lock: *See*—
Nut or bolt lock.
Lock. E. Fogelson. 2,252,966; Aug. 19.
Lock construction, Window. J. L. Davidson. 2,253,325; Aug. 19.
Loom: *See*—
Hand loom.
Loom shuttle. P. L. Spencer. 2,252,819; Aug. 19.
Loose-leaf binder. A. N. Hamm. 2,252,926; Aug. 19.
Loose-leaf binder. G. Lewis. 2,253,039; Aug. 19.
Lubricating method. T. C. Delaval-Crow. 2,253,327; Aug. 19.
Machine for applying reinforcing rings to clothespins. S. Bower. 2,253,322; Aug. 19.
Machine for handling material in web form, especially stentering machines. A. S. Brown, J. Dalglish, and K. S. Laurie. 2,252,832; Aug. 19.
Machine for reducing lumber to desired lengths. R. F. van Deinse. 2,253,453; Aug. 19.
Machine tool. R. S. Drummond. 2,252,841; Aug. 19.
Machine tool. M. E. Morrell. 2,253,085; Aug. 19.
Machine with gland seal, Hydrogen-cooled. M. D. Ross and B. A. Rose. 2,253,350; Aug. 19.
Magneto with protective mechanisms. W. E. Schwarzmann and C. Strniste. 2,253,201; Aug. 19.
Mailbox signal. C. T. Hoppe. 2,253,461; Aug. 19.
Massage device, Gum. N. Psiharis. 2,253,210; Aug. 19.
Material handling apparatus. A. J. N. Duclos. 2,252,760; Aug. 19.
Material take-up, Strip. J. G. Jones and M. P. Davis. 2,253,076; Aug. 19.
Measuring instrument. U. R. Furst. 2,253,174; Aug. 19.
Mercury switch. C. E. Pollard. 2,253,135; Aug. 19.
Metal finish. R. L. Smith. 2,253,489; Aug. 19.
Metal powder, Process and apparatus for making. E. J. Hall. 2,252,714; Aug. 19.
Metal products, Manufacture of. H. A. Brassert. 2,252,697; Aug. 19.
Metal remover for tobacco feeds. W. C. Broekhuysen. 2,253,362; Aug. 19.
Metal sheet and process of making and using the same. D. W. Losee. 2,252,776; Aug. 19.
Metal walls, Repairing cracked or fractured. L. B. Scott. 2,252,986; Aug. 19.
Metatarsal pad. R. L. Hess. 2,253,429; Aug. 19.
Metering apparatus, Flow. R. B. Everson. 2,252,883; Aug. 19.
Method and apparatus for automatically testing fluids. A. L. Riche. 2,253,049; Aug. 19.
Method and apparatus for controlling the matacentric height of ships. H. F. Norton and H. J. Welch. 2,253,246; Aug. 19.
Method and apparatus for dispensing gas material. L. A. Bliss and J. J. Murphy. 2,252,830; Aug. 19.
Method of and apparatus for making composite bearing strip. J. V. O. Palm. 2,252,945; Aug. 19.
Method and apparatus for measuring the water resistance of paper. J. A. Van den Akker. 2,253,356; Aug. 19.
Method of and machine for producing gears. E. Wildhaber. 2,252,743; Aug. 19.
Method and apparatus for production of structures. G. D. Graves. 2,253,176; Aug. 19.
Method for testing and producing the fluids of the earth formations encountered in wells. E. B. Hall and A. L. Armentrout. 2,252,973; Aug. 19.
Mill: *See*—
Hammer mill.
Minnow net. R. T. Schell. 2,252,949; Aug. 19.
Mixer. T. P. Camp. 2,253,059; Aug. 19.
Mixing machine. W. H. Hamilton. 2,253,271; Aug. 19.
Modulating and amplifying system. W. H. Bliss. 2,252,752; Aug. 19.
Molding machine, Injection. E. Hempel. 2,253,460; Aug. 19.
Molecular mixtures, Separating high. A. Schaafsma. 2,252,864; Aug. 19.
Motor: *See*—
Pressure fluid motor
Submersible electric motor.
Motor. K. K. Probst. 2,253,306; Aug. 19.
Motor driven vehicle. E. M. Watkins and W. R. Beckman. 2,253,408; Aug. 19.
Motor vehicle. P. Crosley, Jr., and L. C. Oswald. 2,253,479; Aug. 19.
Mounting: *See*—
Ophthalmic mounting.
Mounting for capacitator-motors. C. G. Veinott. 2,253,405; Aug. 19.
Mousetrap. G. Wittlief. 2,252,908; Aug. 19.
Mouthpiece puller. J. Thompson. 2,253,411; Aug. 19.
Mower. R. H. Urschel. 2,253,452; Aug. 19.
Mute, Combination. S. A. Greenspan. 2,252,847; Aug. 19.
Navigating instrument. P. W. Loew. 2,253,279; Aug. 19.
Needle element for knitting machines. C. D. Wood. 2,253,037; Aug. 19.
Neutralizing arrangement for telegraph circuits. J. R. Wilkerson. 2,252,747; Aug. 19.
Noise suppressor system, Intercarrier. P. D. Lowell. 2,252,811; Aug. 19.
Nozzle construction for high temperature turbines. W. van Rijswijk. 2,252,817; Aug. 19.
Nozzle holder. E. E. Hansen. 2,253,272; Aug. 19.
Nozzle, Universal. L. M. Button and H. W. Dawson. 2,252,698; Aug. 19.
Nursery accessory. D. E. Newman. 2,252,943; Aug. 19.
Nut and nut installation, Sheet metal. F. E. Johnson. 2,252,932; Aug. 19.
Nut or bolt lock. R. A. MacDonald. 2,253,241; Aug. 19.
Oil burner. W. J. Debler. 2,253,266; Aug. 19.
Oil composition, inhibitor therefor, and manufacturing the same, Lubricating. T. L. Cantrell and J. O. Turner. 2,253,227–8; Aug. 19.
Oil composition, Lubricating. J. E. Schott and L. R. Churchill. 2,253,399; Aug. 19.
Oil, Compounded hydrocarbon. J. T. Rutherford and R. J. Miller. 2,252,984; Aug. 19.
Oil by leached zeolites, Cracking. G. C. Connolly. 2,253,285; Aug. 19.
Oil composition, Lubricating. F. M. Watkins. 2,252,793; Aug. 19.
Oil, Compounded. J. T. Rutherford and R. J. Miller. 2,252,985; Aug. 19.
Oil refining process. R. E. Daly and J. F. Walsh. 2,253,480; Aug. 19.
Oil, Treating pipe-line. C. M. Blair, Jr. 2,252,959; Aug. 19.
Oils, Production of drying. F. Christmann. 2,253,323; Aug. 19.
Oils, Solvent treating of mineral. G. H. B. Davis. 2,253,326; Aug. 19.
Oils, Treatment of hydrocarbon. W. L. Benedict. 2,253,011; Aug. 19.
Operating device for water-gas plants, blast-furnace stoves, or the like. J. Daniels. 2,252,800; Aug. 19.
Ophthalmic mounting. J. Goldstein. 2,252,922; Aug. 19.
Oscillator, Carrier frequency heterodyne. T. Slonczewski. 2,252,870; Aug. 19.
Oven charging mechanism, Coke. A. Häberle and F. Koppitz. 2,252,807; Aug. 19.
Oven door construction. L. E. Lown and E. H. Lockwood. 2,253,384; Aug. 19.
Packages, Sealing. L. C. Kimple and F. Gaines. 2,253,036; Aug. 19.
Packer. A. Pranger. 2,253,092; Aug. 19.
Packing. G. T. Henderson. 2,253,428; Aug. 19.
Packing machine, Cigar. F. R. Schmitt. 2,252,139; Aug. 19.
Pad: *See*—
Metatarsal pad.
Pail bail. A. B. Baisden and W. B. Lentz. 2,252,686; Aug. 19.
Painting machine. H. Taylor. 2,252,903; Aug. 19.
Panel bend. E. E. Alexander. 2,253,219; Aug. 19.
Panel, Electric connecting. M. B. Richter and W. R. Schytte. 2,253,136; Aug. 19.
Panties, Baby. M. B. Steiner. 2,252,992; Aug. 19.
Paper container. R. E. Plum. 2,253,091; Aug. 19.
Pellet forming apparatus. E. W. Shafer. 2,252,900; Aug. 19.
Pen, Fountain. A. Winter. 2,252,907; Aug. 19.
Perforator, Gun. J. O. Tow. 2,252,996; Aug. 19.
Perforator, Telegraph. R. Hoover. 2,252,852; Aug. 19.
Petroleum sulphonates, Producing. J. R. Averill and E. E. Claytor. 2,252,957; Aug. 19.
Phonograph record. J. P. Burke. 2,253,014; Aug. 19.
Photographic objective. G. H. Aklin. 2,252,682; Aug. 19.
Photography, Color. A. Murray and R. S. Morse. 2,253,086; Aug. 19.
Photography, Reversal process of color. L. D. Mannes, L. Godowsky, Jr., and L. S. Wilder. 2,252,718; Aug. 19.
Piano construction, Electric. W. L. Douden. 2,252,708; Aug. 19.
Pigments, Making. J. C. Heckman. 2,253,274; Aug. 19.
Pigmented material. C. H. Hempel. 2,253,235; Aug. 19.
Pipe: *See*—
Smoking pipe.
Pipe coupler latch. R. L. Gheen. 2,253,232; Aug. 19.
Piston, Internal combustion engine. A. J. Di Lucci. 2,253,203; Aug. 19.
Pitman connection. C. D. Keller. 2,253,032; Aug. 19.
Plate, Rivetless drive. H. L. Armitage. 2,253,316; Aug. 19.
Plate-type apparatus. W. E. Crosby. 2,252,916; Aug. 19.
Plow, Hydraulically controlled. P. M. Lund. 2,253,130; Aug. 19.
Plug: *See*—
Electrical plug. Spark plug.
Plugging device. W. Y. Bleakley. 2,253,224; Aug. 19.
Plunger for solenoid type relays. J. A. McLean, Jr. 2,253,387; Aug. 19.
Polerizing body and manufacture, Multilayer. L. Pollack. 2,252,898; Aug. 19.
Polishing device. G. T. Gaebel. 2,252,765; Aug. 19.
Pontic insert and dental bridge. J. Bertram. 2,253,222; Aug. 19.
Portable drill. H. P. Chandler. 2,253,363; Aug. 19.
Portable graveling equipment. L. A. Layne. 2,253,468; Aug. 19.

Power transmitting device. R. D. Webb and R. T. Grounds. 2,253,001; Aug. 19.
Practicing and scoring device, Golf. C. W. Deibel. 2,253,063; Aug. 19.
Preparations influencing the blood pressure, Manufacture of. M. Hartmann and E. Schlittler. 2,253,124; Aug. 19.
Press: *See*—
Printing press.
Press, which serves for pressing cocoa butter from the liquid cocoa mass, Hydraulic pot. K. Leimer. 2,253,437; Aug. 19.
Pressing machine, Glass. T. H. Jeffers. 2,253,276; Aug. 19.
Pressure fluid motor. E. G. Gartin. 2,252,711; Aug. 19.
Pressure indicator. A. Vischer, Jr. 2,252,874; Aug. 19.
Printing press. W. H. Granger. 2,253,120; Aug. 19.
Process and apparatus for removing condensates from gas. H. J. Stoever. 2,252,738; Aug. 19.
Processor. J. T. Tucker. 2,253,214; Aug. 19.
Profiling device. C. O. Rothweiler. 2,253,095; Aug. 19.
Projectile. W. H. Dunn. 2,253,021; Aug. 19.
Projectile. R. W. Hippen. 2,253,074; Aug. 19.
Projector, Light. F. C. Winkler and I. A. Yost. 2,253,409; Aug. 19.
Protective relay. P. McShane. 2,253,388; Aug. 19.
Protector: *See*—
Drill stem protector.
Pump: *See*—
Air pump. Ram pump.
Pulp screen. E. W. Hedberg. 2,252,890; Aug. 19.
Pulsating in heating devices, Preventing. L. E. Arnold. 2,253,414; Aug. 19.
Pump apparatus, Vacuum. F. H. Anderson and E. H. Lehman. 2,253,159; Aug. 19.
Pump for pitless wells. A. J. Lageson. 2,252,773; Aug. 19.
Pump jack. W. C. Everhart. 2,253,114; Aug. 19.
Pumping apparatus, Electromagnetic. F. R. Farrow, Jr., and E. B. Nichols. 2,253,206; Aug. 19.
Rack: *See*—
Dispensing rack. Golfer's training rack.
Rack with means for securing the contents. J. S. Jordan. 2,253,181; Aug. 19.
Radio beacon system, Azimuth. J. F. Byrne. 2,252,699; Aug. 19.
Radio cartographic position indicator. W. S. Hunt and J. M. Francis. 2,253,430; Aug. 19.
Ram pump, High speed reciprocating. F. H. and J. M. Towler. 2,253,152; Aug. 19.
Range, Cooking and heating. H. D. Dufault. 2,253,068; Aug. 19.
Razor. H. Hill. 2,252,850; Aug. 19.
Razor, Electric. M. Tanzi. 2,253,149; Aug. 19.
Reamer, Tobacco pipe. T. A. Sikorski. 2,252,989; Aug. 19.
Rear wheel springing for motorcycles. R. Schleicher. 2,252,866; Aug. 19.
Receptacle. C. W. Markley. 2,253,469; Aug. 19.
Receptacle and closure therefor. E. H. Fabrice. 2,253,023; Aug. 19.
Reel: *See*—
Fishing reel.
Reflector device. F. L. Patton. 2,253,346; Aug. 19.
Reflector, Photoflood light. E. A. Muller. 2,253,443; Aug. 19.
Refrigerating apparatus. F. P. Keiper. 2,253,126; Aug. 19.
Refrigerating apparatus. H. F. Smith. 2,253,252; Aug. 19.
Refrigeration. H. M. Ullstrand. 2,252,791; Aug. 19.
Refrigeration apparatus. A. L. Reiter and L. P. Traxel. 2,252,979; Aug. 19.
Refrigerator, Turbine driven. M. Lichtenstein. 2,252,775; Aug. 19.
Regulator: *See*—
Damper regulator.
Relay. P. H. Estes. 2,252,761; Aug. 19.
Relay. H. T. Seeley. 2,253,142; Aug. 19.
Relay, Time delay. T. Aamodt. 2,253,314; Aug. 19.
Releasing clutch, Overload. F. W. Grohn. 2,253,466; Aug. 19.
Resin product, Multicolored laminated. W. R. Thompson. 2,252,821; Aug. 19.
Resinous composition, Synthetic rubberlike. J. J. Russell. 2,253,137; Aug. 19.
Resistor and making same. R. R. Ridgway. 2,252,981; Aug. 19.
Resonator, Multiwave variable. L. D. Eckard. 2,252,919; Aug. 19.
Reversing arrangement for document reproducing machine. A. E. Schubert, H. P. Hintz, and W. S. Nivison. 2,253,052; Aug. 19.
Road spreader. A. E. Lundbye. 2,252,717; Aug. 19.
Roller and mounting therefor, Resilient. E. L. Schofield. 2,253,141; Aug. 19.
Roller bearing, Disconnecting. E. S. Young. 2,253,412; Aug. 19.
Roller for roller bearings. N. A. Palmgren. 2,252,977; Aug. 19.
Roof flashing. H. Callaway. 2,252,834; Aug. 19.
Rotary clutch. F. A. Howard. 2,253,299; Aug. 19.
Rotor, Vane. N. A. Sparr. 2,252,788; Aug. 19.

Saddle, Miniature. M. E. Goldstein. 2,252,971; Aug. 19.
Safety device for gas systems. H. Wendland. 2,252,905; Aug. 19.
Safety device for trucks and other vehicles. C. J. Bella and E. W. Souter. 2,252,878; Aug. 19.
Safety signal, Hydraulic brake. H. S. Alcorn. 2,253,260; Aug. 19.
Salt, Dialkyl hydroxy phenyl mercuri. W. G. Christiansen. 2,252,705; Aug. 19.
Salts, Quaternary ammonium. A. L. Raymond and R. T. Dillon. 2,252,863; Aug. 19.
Sanding, Directional control of. R. E. Miller. 2,252,895; Aug. 19.
Sausage stuffing apparatus. W. K. Tomlinson. 2,253,465; Aug. 19.
Scoring and bleaching with chlorite, Simultaneous. A. L. Dubeau. 2,253,368; Aug. 19.
Scraper. H. C. French. 2,252,763; Aug. 19.
Screen: *See*—
Pulp screen.
Screen for threshing machines. W. A. Holtzman. 2,253,296; Aug. 19.
Screens, Producing luminescent. K. H. Graefe. 2,253,426; Aug. 19.
Seal. C. Paoly. 2,252,813; Aug. 19.
Seismic exploration method. P. S. Williams. 2,253,358; Aug. 19.
Selector means for radio sets and the like, Rapid. L. A. Kellogg. 2,253,433; Aug. 19.
Self-compensating bearing. E. S. Cornell, Jr. 2,253,110; Aug. 19.
Sensitometer, actinometer, and photographic characteristic measuring scale. P. A. Friedell. 2,253,231; Aug. 19.
Separating apparatus, Sheet. W. R. Schmitz, Jr. 2,253,140; Aug. 19.
Sewing machine. J. Gouldbourn and T. A. Kestell. 2,253,233; Aug. 19.
Sewing machine. A. Kierner. 2,253,077; Aug. 19.
Sewing machine, Inseam shoe. A. R. Morrill. 2,253,244; Aug. 19.
Shaker for granular material. J. C. Chenette. 2,252,835; Aug. 19.
Shakeout tumbler, Article conditioning. E. D. Purkett. 2,253,047; Aug. 19.
Shaver, Electric. J. Oster. 2,253,195; Aug. 19.
Shaving apparatus. W. T. Weidenman. 2,253,156; Aug. 19.
Shearing device and closure for liquid dispensers, Combined. E. R. Haemac. 2,253,177; Aug. 19.
Shearing head, Rotary. H. L. Collins. 2,253,016; Aug. 19.
Sheets and films, Producing cellulose. R. Weingand and I. Koberne. 2,253,157; Aug. 19.
Shield for glasses. A. W. Thoreson. 2,253,101; Aug. 19.
Shield structure for automobiles, Glare. S. M. Levy. 2,252,715; Aug. 19.
Shingle, Combination metallic and insulation. B. H. Bill. 2,253,105; Aug. 19.
Shipping and display box. W. G. Anderson, Jr. 2,253,008; Aug. 19.
Shoe conditioning apparatus. A. L. Russell and W. M. Watson. 2,252,786; Aug. 19.
Shoes, Manufacture of. A. L. Russell. 2,252,785; Aug. 19.
Shoulder strap holder. V. Evans. 2,253,022; Aug. 19.
Shovel and spreader box, Combination. M. H. Palmer. 2,253,248; Aug. 19.
Shutter, Camera. M. G. Blank. 2,252,688; Aug. 19.
Shutter, Focal plane. J. Mihalyi. 2,253,084; Aug. 19.
Sign structure. W. B. Farrell. 2,252,764; Aug. 19.
Signal: *See*—
Directional signal. Safety signal.
Mailbox signal. Web controlled signal.
Signal for motor vehicles, Direction. J. J. Crawford. 2,253,478; Aug. 19.
Signal-reproducing system, Television. J. C. Wilson. 2,253,312; Aug. 19.
Signal receiver, Modulated-carrier. H. M. Lewis. 2,253,338; Aug. 19.
Signal-translating channel. J. C. Wilson. 2,253,313; Aug. 19.
Signaling system. W. H. T. Holden. 2,252,766; Aug. 19.
Signaling system, Light and sound. J. H. Hammond, Jr. 2,252,849; Aug. 19.
Siphoning device. J. T. Webber. 2,253,474; Aug. 19.
Ski-skate. D. A. Benner and A. F. Wimbush. 2,253,012; Aug. 19.
Slide loop. C. E. Peterson. 2,252,782; Aug. 19.
Slip. E. Cadous. 2,252,833; Aug. 19.
Sloper. W. V. Cornett. 2,253,265; Aug. 19.
Smoker's device. E. O. Statelles. 2,253,473; Aug. 19.
Smoking appliance. D. A. Robbins. 2,253,463; Aug. 19.
Smoking pipe. C. S. Carlberg. 2,252,880; Aug. 19.
Socket, Electrical. S. M. Del Camp. 2,252,918; Aug. 19.
Socket for artificial limbs. P. A. Martino. 2,253,040; Aug. 19.
Spark plug. P. G. Andres. 2,253,220; Aug. 19.
Spark plug cleaner. C. E. Bowes, P. G. Andres, and T. W. Mullen. 2,253,225; Aug. 19.
Speed control for motor vehicles operated by internal combustion engines. J. H. Reed. 2,252,947; Aug. 19.
Spike puller. G. W. Sprague. 2,253,100; Aug. 19.

Spindlehead for drilling, tapping, reaming, and other like operations, Multiple. J. Trumble and W. C. Hillman. 2,253,153; Aug. 19.
Spinning apparatus and method. R. R. Nydegger. 2,253,089; Aug. 19.
Sprayer, Portable electric. W. F. Gordon and W. H. Marsh. 2,253,071; Aug. 19.
Sprayer, Traction. W. M. Spreng. 2,252,872; Aug. 19.
Spraying apparatus, Overhead cable. A. J. Crepeau. 2,253,019; Aug. 19.
Spreader, Material. F. E. Arndt. 2,252,690–1; Aug. 19.
Spring drive mechanism. G. E. Le Count. 2,253,183; Aug. 19.
Spring group arrangement. G. T. Johnson and H. A. Moeller. 2,253,239; Aug. 19.
Spring suspension for vehicles. K. Rabe. 2,252,862; Aug. 19.
Springs, Manufacturing contact. J. M. Reynolds. 2,252,899; Aug. 19.
Spudding mechanism for cable tool drills. H. W. Thornburg. 2,252,741; Aug. 19.
Stairway, Moving. H. V. McCormick. 2,253,386; Aug. 19.
Stapling machine. C. J. Fusco. 2,252,886; Aug. 19.
Steam generator, particularly steam cooking device. H. C. Tuttle. 2,253,154; Aug. 19.
Steel. W. E. Mahin. 2,253,385; Aug. 19.
Steel, Method and apparatus for deoxidizing and degasifying liquid. B. E. L. de Maré. 2,253,421; Aug. 19.
Steering stabilizer, Hydraulic. M. Katcher. 2,252,771–2; Aug. 19.
Step-by-step mechanism, Automatic coin-controlled electrically operated. R. R. Witherell. 2,252,825; Aug. 19.
Sterilizing and storage cabinet. M. Selig. 2,253,250–1; Aug. 19.
Stick holding device, Multiple. C. T. Cutting. 2,253,458; Aug. 19.
Strip feeding and imprinting apparatus. J. Q. Sherman. 2,252,734; Aug. 19.
Strip feeding and severing apparatus. J. Q. Sherman. 2,252,735; Aug. 19.
Strip feeding trimmer and bursting machine. J. Q. Sherman. 2,252,736; Aug. 19.
Strip trimming and severing apparatus. A. W. Metzner. 2,252,720; Aug. 19.
Submersible electric motor. E. C. Tanner. 2,253,404; Aug. 19.
Suction cleaner. H. S. Demaree and W. D. Sellers. 2,253,289; Aug. 19.
Suction cleaner. D. G. Smellie. 2,253,309–10; Aug. 19.
Suction head, Jet digger. P. Durepaire. 2,252,803; Aug. 19.
Sulphanilamide solution. C. A. Vogenthaler. 2,252,822; Aug. 19.
Sulphide and hydrosulphide of high purity and concentration, Production of alkali metal. J. S. Sconce and C. F. Berlinghoff. 2,252,867; Aug. 19.
Support: *See*—
Electric support. Lid support.
Flatiron cord support.
Support. F. A. Fahrenwald. 2,252,963; Aug. 19.
Support. C. F. Vanderveld. 2,252,997; Aug. 19.
Supporting means for aerial tramways. A. Bergwall. 2,252,605; Aug. 19.
Suspension of vehicles. P. H. Mistral. 2,253,190; Aug. 19.
Suspension system for articulated vehicles. W. E. Van Dorn and P. K. Beemer. 2,252,789; Aug. 19.
Suture and method of packaging and sterilizing the same. W. S. and C. T. Davis. 2,253,287; Aug. 19.
Sweeper, Carpet. F. W. Pullen. 2,253,349; Aug. 19.
Swing, Safety. C. Wachtel. 2,252,908; Aug. 19.
Switch: *See*—
Disconnecting switch. Mercury switch.
Electric switch.
Switch plate. W. B. Bell. 2,252,829; Aug. 19.
Swivel joint for conduits. I. Cowles. 2,253,018; Aug. 19.
Synchroscope. C. Oman. 2,253,392; Aug. 19.
Syringe hanger. V. Mulier. 2,253,444; Aug. 19.
Table: *See*—
Extension table.
Table. O. B. Fetterman. 2,253,172; Aug. 19.
Take-off mechanism, Power. A. Tangen. 2,253,148; Aug. 19.
Tap-changing system. O. H. Beyiner. 2,253,165; Aug. 19.
Tap clamp. T. F. Johnson. 2,253,432; Aug. 19.
Tapered honing tool. J. E. Kline. 2,252,809; Aug. 19.
Telemetric level. T. B. Pepper. 2,252,727; Aug. 19.
Telephone system. F. Lubberger. 2,252,856; Aug. 19.
Telephone system. S. S. McAndrew and C. Migliasso. 2,252,857; Aug. 19.
Telephone system. A. Wirth and R. Becker. 2,253,218; Aug. 19.
Telephone unit. E. Benisek and H. Sengebusch. 2,252,751; Aug. 19.
Television device. P. W. Willans. 2,252,746; Aug. 19.
Television scanning system. M. K. Taylor. 2,253,355; Aug. 19.
Television system, Color. A. N. Goldsmith. 2,253,292; Aug. 19.
Temperature indicating and temperature controlled and controlling device. S. K. Brown and W. B. Sullivan. 2,253,263; Aug. 19.
Tenderizing machine, Meat. L. W. Hart. 2,253,123; Aug. 19.
Terminal clip. W. C. Clark. 2,253,417; Aug. 19.
Textile and making the same. C. S. Francis, Jr. 2,253,000; Aug. 19.
Textiles, Improving the dyeing of. C. M. Whittaker, C. C. Wilcock, and C. P. Tattersfield. 2,253,457; Aug. 19.
Textiles with chlorite, Desizing. J. D. MacMahon and A. L. Dubeau. 2,253,242; Aug. 19.
Thermit mixtures, Ignition of. F. W. Cohen. 2,253,364; Aug. 19.
Thermostat. L. M. Persons. 2,252,946; Aug. 19.
Thermostatic control. C. D. Montague. 2,253,442; Aug. 19.
Thermostatic member. P. R. Lee. 2,253,382; Aug. 19.
Thread production. P. J. Hayes. 2,253,073; Aug. 19.
Threads, Production of rubber. M. Draemann. 2,253,067; Aug. 19.
Timer, Welding. O. Eisenschmid. 2,253,370; Aug. 19.
Tire chain or similar device. F. W. Dodson. 2,252,759; Aug. 19.
Titanium bearing materials, Chlorination of. I. E. Muskat and R. H. Taylor. 2,253,470; Aug. 19.
Toasting machine. O. Hall. 2,253,027; Aug. 19.
Tool: *See*—
Cutting tool. Tapered honing tool.
Ice breaking tool. Valve removing tool.
Knurling tool. Well tool.
Machine tool.
Tool for applying window sash springs. H. Santrey. 2,252,816; Aug. 19.
Tooth unit for earthworking equipment, Replaceable. R. E. Noack. 2,253,245; Aug. 19.
Toy. F. E. Johnson. 2,253,075; Aug. 19.
Toy, Push. B. G. Jeffries. 2,253,030; Aug. 19.
Toy vehicle. A. R. Thomas. 2,252,995; Aug. 19.
Tractor. P. P. Cupal. 2,253,420; Aug. 19.
Tractor. F. Porsche. 2,252,861; Aug. 19.
Tractor, Monorail. W. G. Wehr. 2,253,256; Aug. 19.
Tractor with gas producer arranged thereon. H. Lutz. 2,253,438; Aug. 19.
Trailer. W. Wenthe. 2,253,217; Aug. 19.
Train, Railway. J. W. Patton. 2,253,209; Aug. 19.
Transformer, Combined alternating-current-direct-current. C. MacGregor. 2,253,131; Aug. 19.
Translating apparatus, Energy. S. P. Sashoff. 2,253,351; Aug. 19.
Transmission device. E. B. Mechling. 2,253,189; Aug. 19.
Transmission mechanism. T. A. Wetzel. 2,253,357; Aug. 19.
Transmission of mechanical energy. F. M. M. B. Salomon. 2,252,815; Aug. 19.
Transmitter device, Call. C. H. Wheeler. 2,252,875; Aug. 19.
Transmitter headset. A. E. Woodruff and A. F. Horlacher. 2,252,748; Aug. 19.
Trap: *See*—
Animal trap.
Trimmer, Head. S. Clausen. 2,253,169; Aug. 19.
Trimmer, Paper. E. L. Shaffer. 2,253,099; Aug. 19.
Trimming apparatus, Article. H. W. Lormor. 2,253,280; Aug. 19.
Truck suspension means. H. E. Muchnic. 2,253,042; Aug. 19.
Truck, Railway. A. Wallace. 2,253,407; Aug. 19.
Truss. W. H. Barlow. 2,253,103; Aug. 19.
Tube: *See*—
Cathode ray tube.
Tube for pneumatic tires, Safety inner. I. Feldman. 2,253,230; Aug. 19.
Tubs, Method of making. E. J. Greif. 2,253,293; Aug. 19.
Tubular container. G. Hübner and W. Friedrichs. 2,252,854; Aug. 19.
Tuner and operating mechanism therefor, Permeability. P. K. McGall. 2,253,304; Aug. 19.
Tuning mechanism. H. J. Tyzzer. 2,253,484; Aug. 19.
Typewriting machine. W. A. Gabrielson. 2,253,424; Aug. 19.
Underskirt. D. F. Livermore. 2,253,339; Aug. 19.
Universal joint. E. J. Karlberg. 2,253,300; Aug. 19.
Vacuum breaker. E. W. Work. 2,253,410; Aug. 19.
Valve. L. A. Fischer. 2,253,371–2; Aug. 19.
Valve. F. A. Granetz. 2,252,923; Aug. 19.
Valve. B. C. Hale. 2,252,924; Aug. 19.
Valve excitation circuits, Electric. A. W. Hull. 2,253,180; Aug. 19.
Valve mechanism, Milking machine. C. W. Michaels. 2,253,341; Aug. 19.
Valve puller, Standing. F. M. Hudson. 2,252,767; Aug. 19.
Valve removing tool. G. B. Ostrander and W. T. Anderson. 2,253,045; Aug. 19.
Valve structure. L. G. Daniels. 2,253,020; Aug. 19.
Vehicle: *See*—
Automotive vehicle. Motor vehicle.
Motor driven vehicle. Toy vehicle.
Vehicle. A. J. Hersey and C. L. Madden. 2,253,330; Aug. 19.
Vending machine. W. T. Stanford. 2,253,447; Aug. 19.
Vending machine, Ice cream. G. F. Forsthoefel and H. D. White. 2,253,482; Aug. 19.

Ventilating system, Crankcase. W. W. Lowther. 2,252,974; Aug. 19.
Vessel, High pressure. L. Raichle and K. Riedinger. 2,253,093; Aug. 19.
Vibrator. H. M. Dressel, K. C. Allison, and E. J. Mastney. 2,252,882; Aug. 19.
Vibratory apparatus, Alternating current. T. Dietrich. 2,253,267; Aug. 19.
Violin bow. J. Heddon. 2,252,929; Aug. 19.
Vitamin B_1, Preparation of. Z. Foldi and Á. Gerecs. 2,252,921; Aug. 19.
Water heater. E. Gruenstein and H. Pollack. 2,253,072; Aug. 19.
Web controlled signal. R. Hoover. 2,252,853; Aug. 19.
Weighing scale dump. A. P. Winter. 2,253,004; Aug. 19.
Welding. P. E. Henninger. 2,253,375; Aug. 19.
Welding apparatus. E. F. Steinert. 2,253,403; Aug. 19.
Welding head, Automatic. J. H. Deppeler. 2,253,366; Aug. 19.
Well strings, Centering tubular. G. H. Brodie. 2,253,415; Aug. 19.
Well tool. A. L. Armentrout. 2,252,912; Aug. 19.
Wheel. L. B. Berg. 2,253,320; Aug. 19.
Wheelbarrow. A. P. De Lucchi. 2,253,288; Aug. 19.
Winding machine, Laminated tube. O. M. Hoch and C. J. Studeman. 2,253,275; Aug. 19.
Windshield wiper. F. D. Hart. 2,253,029; Aug. 19.
Wiper. R. W. Gaddis. 2,253,269; Aug. 19.
Wire coating apparatus. E. J. Flynn. 2,253,173; Aug. 19.
Wire handling implement. F. P. Griffin. 2,253,121; Aug. 19.
Wires, Connection of the ends of. J. Lang. 2,253,435; Aug. 19.
Wool, Reducing shrinkage of. J. F. Walker. 2,253,102; Aug. 19.
Woven fabric. H. C. Haskell. 2,253,374; Aug. 19.
Wrapping mechanism, Print. E. J. Rapp and K. G. Heft. 2,253,211; Aug. 19.
Wringer, Bucket and mop. H. Masishin and H. Chomyn. 2,253,243; Aug. 19.
X-ray film holder. W. L. Medalie. 2,253,282; Aug. 19.
Yarn conditioning process and the product thereof. J. G. McNally and J. B. Dickey. 2,253,081; Aug. 19.
Yarns, Sizing synthetic linear polymer. E. W. Spanagel. 2,253,146; Aug. 19.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 19, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 3: 2,252,886
32: 2,252,780
2— 13: 2,253,101
73: 2,252,833
79: 2,252,884
2,252,885
177: 2,252,902
211: 2,253,339
3— 9: 2,253,040
5— 98: 2,253,024
8— 75: 2,253,457
108: 2,253,368
123: 2,252,732
128: 2,253,102
138: 2,253,242
139: 2,252,730
142.5: 2,253,081
10— 107: 2,253,106
12— 1: 2,252,786
142: 2,252,785
2,252,936
15— 6: 2,253,309
13: 2,253,289
16: 2,253,310
41: 2,253,348
2,253,349
77: 2,252,787
210: 2,253,269
250: 2,253,249
253: 2,253,029
262: 2,253,243
16— 175: 2,252,737
17— 25: 2,253,123
35: 2,253,465
18— 8: 2,252,680
2,253,073
2,253,089
2,253,176
2,252,694
21: 2,253,301
30: 2,253,460
54: 2,253,067
56: 2,253,291
57: 2,253,157
59: 2,252,758
19— 7: 2,253,062
58: 2,253,456
20— 5: 2,253,298
68: 2,253,281
22— 57.2: 2,252,945
80: 2,252,808
23— 134: 2,252,867
230: 2,253,049
288: 2,252,719
24— 73: 2,252,782
2,252,925
2,253,022
153: 2,252,827
2,253,464
198: 2,252,804
25— 153: 2,252,963
26— 57: 2,252,832
28— 1: 2,253,000
29— 1: 2,253,003
26: 2,253,413
69: 2,253,354
80: 2,252,965
85: 2,253,411
86.3: 2,253,045
87.1: 2,252,816
88.2: 2,252,692
90: 2,252,823
95: 2,252,869
2,252,893
99: Re.21,877
148: 2,252,966
148.2: 2,253,384
155.55: 2,252,899
160.6: 2,252,851

30— 16: 2,253,481
40: 2,252,850
43: 2,253,016
2,253,037
2,253,149
2,253,156
2,253,195
124: 2,252,888
156: 2,253,099
162: 2,253,422
164: 2,252,896
31— 62: 2,253,341
32— 4: 2,252,935
6: 2,253,222
33: 2,253,143
62: 2,252,798
63: 2,252,132
33— 1: 2,253,279
200: 2,253,278
211: 2,252,727
34— 87: 2,253,047
232: 2,252,814
35— 35: 2,252,726
36— 71: 2,253,429
37— 63: 2,252,803
97: 2,252,837
126: 2,252,763
141: 2,253,448
142: 2,253,245
40— 35: 2,252,794
93: 2,252,805
125: 2,252,707
128: 2,252,764
132: 2,253,236
42— 3: 2,252,754
43— 3: 2,252,795
7: 2,252,949
27: 2,253,125
61: 2,253,254
65: 2,252,812
69: 2,252,906
111: 2,253,017
147: 2,252,994
44— 9: 2,252,927
2,252,928
45— 7: 2,253,317
46— 1: 2,252,971
86: 2,253,074
107: 2,253,030
47— 38: 2,253,469
48— 83: 2,252,801
192: 2,252,905
214: 2,252,810
49— 14: 2,252,703
2,253,155
37: 2,253,276
54: 2,252,756
55: 2,253,277
51— 8: 2,253,225
75: 2,252,818
92: 2,252,877
2,252,879
2,252,892
103: 2,253,324
105: 2,252,743
184.3: 2,252,809
298: 2,252,683
53— .5: 2,253,434
6: 2,252,990
56— 23: 2,253,044
25.4: 2,253,452
57— 140: 2,252,999
60— 14: 2,252,961
52: 2,253,112
54.5: 2,253,240
97: 2,252,890
62— 1: 2,252,830
4: 2,252,775
2,253,162

62— 17: Re.21,879
104: 2,253,383
106: 2,252,913
108.5: 2,253,126
115: 2,252,979
116: 2,253,252
119.5: 2,252,791
121: 2,252,738
175.5: 2,252,739
63— 29: 2,253,343
64— 17: 2,253,300
65— 31: 2,253,177
45: 2,252,835
66— 14: 2,252,769
116: 2,253,057
126: 2,253,439
140: 2,253,331
185: 2,252,768
68— 9: 2,253,083
70— 364: 2,252,906
72— 37: 2,253,234
61: 2,252,980
73— 31: 2,253,118
51: 2,252,750
2,253,187
2,253,356
110: 2,252,874
209: 2,252,883
74— 10: 2,253,433
11: 2,253,148
12: 2,253,058
45: 2,253,114
64: 2,252,815
95: 2,253,304
100: 2,253,183
230.17: 2,253,357
232: 2,252,836
413: 2,252,967
437: 2,253,270
441: 2,252,796
75— 13: 2,253,421
22: 2,252,697
27: 2,253,364
72: 2,252,714
112: 2,253,470
2,253,471
136: 2,253,476
77— 22: 2,253,153
58: 2,253,028
80— 5.1: 2,252,891
32: 2,253,378
83— 11: 2,253,087
84— 1.15: 2,252,708
282: 2,252,929
400: 2,252,847
85— 32: 2,252,904
35: 2,252,932
88— 14: 2,253,107
2,253,054
17: 2,253,258
23: 2,253,174
24: 2,253,055
2,253,200
49: 2,252,922
57: 2,252,681
2,252,682
65: 2,252,898
78: 2,253,346
90— 13.1: 2,253,095
20: 2,252,841
33: 2,253,303
91— 10: 2,253,060
12.2: 2,252,942
28: 2,252,903
32: 2,253,173
45: 2,253,019
62.5: 2,252,765
68: 2,253,146
70: 2,252,755

91— 70: 2,253,426
92— 20: 2,252,781
93— 2: 2,253,211
6: 2,253,036
55.1: 2,252,854
61: 2,252,806
81: 2,253,275
94— 18: Re.21,880
44: 2,252,717
95— 2: 2,252,718
2,253,070
7: 2,253,078
10: 2,253,231
57: 2,253,084
60: 2,252,688
100: 2,253,282
96— 25: 2,253,048
97— 73: 2,253,419
137: 2,253,130
184: 2,253,449
220: 2,253,391
227: 2,253,116
98— 40: 2,252,954
70: 2,253,117
99— 6: 2,253,319
132: 2,253,389
100— 50: 2,253,437
101— 35: 2,253,109
66: 2,253,311
114: 2,253,215
256: 2,253,120
350: 2,253,158
356: 2,252,790
366: 2,253,122
401.1: 2,252,776
102— 5: 2,253,115
29: 2,253,021
103— 37: 2,253,152
38: 2,252,939
41: 2,252,826
53: 2,253,206
179: 2,252,773
2,253,046
221: 2,253,092
232: 2,253,396
104— 197: 2,252,695
105— 2: 2,253,209
4: 2,252,789
154: 2,253,256
162: 2,253,363
182: 2,253,042
2,253,330
197.1: 2,253,407
200: 2,252,889
2,252,897
222: 2,252,944
106— 28: 2,252,702
36: 2,252,991
167: 2,252,731
180: 2,253,065
183: 2,253,064
304: 2,253,274
107— 8: 2,252,900
54: 2,252,934
108— 8: 2,253,105
26: 2,252,834
109— 47: 2,253,332
110— 54: 2,253,328
105.5: 2,253,213
106: Re.21,878
165: 2,252,802
112— 35: 2,253,233
59: 2,253,244
90: 2,253,380
132: 2,253,077
113— 45: 2,252,881
114— 0.5: 2,252,948
121: 2,253,246
116— 48: 2,253,478

116— 101: 2,253,263
134: 2,253,461
119— 48: 2,253,451
132: 2,252,894
120— 52: 2,252,907
121— 19: 2,252,711
69: 2,253,306
122— 32: 2,253,072
123— 1: 2,252,974
11: 2,253,445
65: 2,252,914
122: 2,252,972
140: 2,252,693
2,253,454
2,253,455
2,253,467
148: 2,253,203
2,253,204
169: 2,253,220
125— 23: 2,253,397
126— 4: 2,253,068
99: 2,252,784
214: 2,252,753
127— 28: 2,253,262
128— 62: 2,253,210
117: 2,253,103
157: 2,253,108
284: 2,252,988
2,252,992
335.5: 2,253,287
129— 1: 2,252,783
4: 2,252,792
8: 2,253,039
10: 2,252,926
130— 5: 2,252,933
131— 91: 2,253,169
195: 2,252,880
199: 2,253,463
237: 2,253,473
246: 2,252,989
132— 28: 2,253,373
32: 2,252,742
41: 2,252,910
2,252,911
136— 144: 2,253,247
137— 20: 2,253,474
69: 2,253,410
104: 2,252,962
139— 33: 2,253,329
53: 2,253,202
190: 2,253,097
211: 2,252,819
416: 2,253,374
140— 93: 2,253,322
121: 2,253,121
143— 48: 2,253,453
144— 309: 2,253,219
145— 34: 2,253,440
146— 52: 2,252,951
81: 2,253,133
85: 2,252,799
155: 2,253,367
180: 2,252,859
148— 6: 2,252,876
31: 2,253,385
149— 28: 2,253,192
151— 32: 2,253,241
152— 213: 2,252,750
2,252,778
243: 2,252,976
338: 2,253,230
411: 2,253,320
153— 2: 2,253,293
154— 1: 2,252,704
10: 2,253,477
42: 2,252,685
43: 2,252,821
155— 31: 2,252,943
184: 2,252,970

156— 19: 2,253,427
158— 1: 2,252,968
4: 2,253,414
28: 2,253,160
2,253,266
77: 2,253,175
87: 2,253,056
99: 2,253,178
164— 0.5: 2,252,996
26: 2,253,259
47: 2,253,280
61: 2,252,733
2,252,734
68: 2,252,735
71: 2,253,085
84.5: 2,252,720
2,252,736
166— 1: 2,253,415
13: 2,253,224
21: 2,252,973
25: 2,253,182
65: 2,252,822
74: 2,253,124
170— 36: 2,252,788
159: 2,253,066
164: 2,253,013
171— 97: 2,253,131
2,253,188
2,253,394
2,253,395
119: 2,253,165
209: 2,253,201
223: 2,253,340
252: 2,253,191
172— 36: 2,252,887
2,253,404
126: 2,253,267
179: 2,253,253
238: 2,253,053
2,253,392
239: 2,252,762
2,253,170
278: 2,253,405
173— 244: 2,253,069
273: 2,253,432
324: 2,253,136
328: 2,252,918
334: 2,253,164
358: 2,253,163
361: 2,253,015
363: 2,253,223
174— 12: 2,253,264
15: 2,253,171
105: 2,253,138
175— 30: 2,253,361
41: 2,253,026
182: 2,253,485
341: Re.21,881
363: 2,253,180
2,253,351
176— 14: 2,253,441
124: 2,253,184
2,253,185
177— 311: 2,252,853
314: 2,252,710
329: 2,252,849
352: 2,253,393
353: 2,253,147
178— 5.2: 2,253,086
2,253,292
7.5: 2,252,746
2,253,312
2,253,355
44: 2,253,080
2,253,189
69: 2,252,747
92: 2,252,852
179— 1: 2,253,186
18: 2,252,856

179— 2,253,218
27: 2,252,766
2,252,857
29: 2,252,751
31: 2,253,144
90: 2,252,875
100.3: 2,253,079
107: 2,253,216
115.5: 2,252,846
157: 2,252,748
171: 2,253,313
171.5: 2,252,752
176: 2,253,335
180— 1: 2,253,438
12: 2,253,420
19: 2,253,288
22: 2,252,862
33: 2,253,408
53: 2,252,871
57: 2,253,479
77: 2,252,861
181— 0.5: 2,253,358
183— 2.5: 2,252,687
9: 2,252,982
49: 2,252,724
184— 1: 2,253,327
187— 29: 2,253,369
188— 4: 2,252,878
59: 2,253,268
152: 2,253,205
2,253,305
153: 2,252,940
196: 2,252,860
210: 2,253,199
236: 2,253,031
189— 2: 2,253,038
11: 2,253,487
40: 2,252,956
46: 2,253,398
86: 2,253,489
191— 59.1: 2,253,359
192— 6: 2,252,774
18: 2,252,906
24: 2,253,459
44: 2,253,168
56: 2,253,466
58: 2,253,001
2,253,299
67: 2,253,431
68: 2,253,344
70: 2,253,284
105: 2,253,291
107: 2,253,316
125: 2,253,139
193— 37: 2,253,141
194— 10: 2,252,825
101: 2,253,194

196— 13: 2,252,864
2,253,326
28: 2,253,308
30: 2,253,011
48: 2,252,729
52: 2,252,740
2,253,007
2,253,285
2,253,486
78: 2,253,323
106: 2,253,006
197— 138: 2,253,424
198— 16: 2,253,386
24: 2,252,845
2,252,931
25: 2,252,937
127: 2,253,198
179: 2,253,333
218: 2,253,214
200— 21: 2,253,221
48: 2,252,901
59: 2,252,975
82: 2,253,425
84: 2,253,260
87: 2,253,142
2,253,483
90: 2,252,882
93: 2,252,761
94: 2,253,387
97: 2,253,314
106: 2,253,400
111: 2,253,135
113: 2,253,390
122: 2,253,388
148: 2,253,196
2,253,197
150: 2,252,983
2,253,009
166: 2,253,401
172: 2,252,829
201— 62: 2,253,318
72: 2,253,360
76: 2,252,981
2,253,376
204— 145: 2,253,334
206— 7: 2,253,002
44: 2,253,212
46: 2,253,428
65: 2,253,273
209— 121: 2,252,909
215: 2,253,362
255: 2,252,701
394: 2,253,296
210— 73: Re.21,882
211— 8: 2,253,181
60: 2,253,008
115: 2,253,286

214— 1.1: 2,253,283
8.5: 2,253,027
2,253,050
23: 2,252,807
46.5: 2,253,004
102: 2,253,265
215— 8: 2,253,336
43: 2,253,023
60: 2,253,161
125: 2,252,930
217— 2: 2,253,051
218— 4: 2,253,129
2,253,365
8: 2,253,207
2,253,321
2,253,366
2,253,403
10: 2,253,375
38: 2,253,154
220— 3: 2,253,093
3.9: 2,252,953
29: 2,252,915
85: 2,253,295
95: 2,252,686
97: 2,252,964
221— 78: 2,253,150
79: 2,253,151
224— 29: 2,253,423
227— 49: 2,252,998
229— 15: 2,253,111
28: Re.21,883
30: 2,252,779
51: 2,253,091
78: 2,252,813
230— 29: 2,253,159
69: 2,252,694
114: 2,253,406
170: 2,252,757
256: 2,253,033
2,253,127
231— 2: 2,253,315
235— 8: 2,253,226
60: 2,253,229
88: 2,252,749
2,253,113
236— 15: 2,253,043
45: 2,253,290
96: 2,253,442
237— 78: 2,253,352
240— 7.55: 2,252,950
41.3: 2,253,469
108: 2,253,443
241— 9: 2,253,104
242— 55.4: 2,253,094
71: 2,253,090
75: 2,252,969
84.5: 2,252,777

242— 111: 2,253,488
130: 2,253,238
248— 51: 2,253,462
61: 2,252,820
75: 2,253,272
2,253,444
243: 2,252,997
296: 2,252,952
358: 2,252,938
250— 11: 2,252,699
2,253,430
17: 2,253,381
20: 2,252,811
2,253,338
2,253,450
27: 2,253,307
2,253,337
2,253,370
27.5: 2,252,770
2,253,145
2,253,208
33: 2,253,379
36: 2,252,870
2,252,941
40: 2,252,919
2,253,484
52: 2,253,250
2,253,251
84: 2,253,035
158: 2,252,744
251— 27: 2,252,923
46: 2,253,371
84: 2,253,020
121: 2,252,924
156: 2,253,372
252— 35: 2,252,984
37: 2,253,399
39: 2,252,793
2,252,985
46: 2,253,228
53: 2,253,227
66: 2,252,858
348: 2,252,959
253— 78: 2,252,817
79: 2,253,005
254— 1: 2,253,347
22: 2,253,190
131: 2,252,797
255— 11: 2,252,741
24: 2,252,912
63: 2,252,745
257— 245: 2,252,916
261: 2,253,025
259— 54: 2,253,271
178: 2,253,059
260— 19: 2,252,917

260— 30: 2,253,235
36: 2,253,137
46: 2,253,088
84: 2,253,128
134: 2,253,167
156: 2,252,843
173: 2,252,824
204: 2,252,844
210: 2,252,706
215: 2,253,297
236: 2,252,709
251: 2,252,921
309: 2,252,721
2,252,722
2,252,723
371: 2,253,082
397: 2,252,863
425: 2,253,490
434: 2,252,705
472: 2,252,713
474: 2,252,725
504: 2,252,957
507: 2,253,179
535: 2,253,061
570.7: 2,252,828
571: 2,253,166
590: 2,252,696
597: 2,253,034
615: 2,253,342
668: 2,252,842
772: 2,252,728
261— 30: 2,252,865
34: 2,252,958
41: 2,252,960
78: 2,252,955
92: 2,253,418
94: 2,253,261
263— 32: 2,253,098
264— 3: 2,252,838
17: 2,252,947
265— 1.4: 2,253,472
12: 2,252,993
21: 2,253,063
266— 5: 2,253,377
38: 2,252,760
42: 2,252,712
267— 4: 2,253,239
53: 2,253,255
270— 68: 2,253,446
271— 2.1: 2,253,076
3: 2,253,052
39: 2,253,140
272— 75: 2,253,075
79: 2,252,868
273— 35: 2,252,831
134: 2,252,700
274— 11: 2,253,302

274— 42: 2,253,014
275— 2: 2,252,690
2,253,248
279— 1: 2,252,839
2,252,840
60: 2,253,345
280— 1.15: 2,253,096
1.19: 2,252,995
11.10: 2,253,012
33.44: 2,252,691
90: 2,252,771
2,252,772
96.2: 2,253,436
124: 2,253,190
2,253,217
285: 2,252,866
285— 87: 2,252,920
97.3: 2,253,018
172: 2,253,232
287— 103: 2,253,032
109: 2,253,435
291— 5: 2,252,895
292— 57: 2,253,325
172: 2,253,257
353: 2,252,855
293— 55: 2,253,041
294— 7: 2,252,873
87: 2,252,848
2,253,458
92: 2,253,417
102: 2,252,767
296— 28: 2,253,193
44: 2,253,134
95: 2,253,353
97: 2,252,715
2,252,716
297— 3: 2,252,946
15: 2,253,382
299— 20: 2,253,237
42: 2,252,872
88: 2,253,071
140: 2,252,698
302— 14: 2,253,468
303— 6: 2,252,800
308— 4: 2,252,978
36.3: 2,253,350
69: 2,253,110
134.1: 2,253,416
174: 2,253,119
207: 2,253,412
215: 2,252,977
309— 15: 2,252,987
311— 17: 2,253,172
42: 2,253,010
312— 36: 2,253,482
87: 2,253,447
151: 2,253,475

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,252,683: 51— 298
2,252,696: 260— 500
2,252,702: 106— 28
2,252,723: 260— 309
2,252,724: 183— 19
2,252,727: 33— 211
2,252,731: 106— 167
2,252,737: 16— 175
2,252,743: 51— 105
2,252,744: 250— 158
2,252,760: 266— 38

2,252,770: 250— 27.5
2,252,787: 15— 77
2,252,788: 170— 36
2,252,790: 101— 356
2,252,816: 29— 87.1
2,252,828: 260—570.7
2,252,843: 260— 156
2,252,846: 179—115.5
2,252,865: 261— 30
2,252,868: 272— 79
2,252,888: 30— 124

2,252,902: 2— 177
2,252,912: 255— 24
2,252,915: 220— 29
2,252,919: 250— 40
2,252,932: 85— 35
2,252,939: 103— 38
2,252,955: 261— 78
2,252,982: 183— 9
2,252,989: 131— 246
2,253,013: 170— 164
2,253,021: 102— 29

2,253,047: 34— 87
2,253,048: 96— 25
2,253,083: 68— 9
2,253,086: 178— 5.2
2,253,099: 30— 156
2,253,115: 102— 15
2,253,122: 101— 366
2,253,125: 43— 27
2,253,138: 174— 105
2,253,140: 271— 39
2,253,146: 91— 68

2,253,171: 174— 15
2,253,172: 311— 17
2,253,191: 194— 101
2,253,241: 151— 32
2,253,259: 164— 26
2,253,289: 15— 13
2,253,297: 260— 215
2,253,313: 179— 171
2,253,326: 110— 54
2,253,332: 109— 47
2,253,374: 139— 416

2,253,377: 266— 5
2,253,384: 29—118.2
2,253,385: 148— 31
2,253,414: 158— 4
2,253,454: 123— 140
2,253,455: 123— 140
2,253,457: 8— 75

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

American Brewing Co. of Rochester, N. Y. Inc., Rochester, N. Y. Beer, ale, and porter. Serial No. 442,383; Aug. 26. Class 48.

Atkinson, J. & E., Limited, London, England. Perfume. Serial No. 445,251; Aug. 26. Class 6.

Atlas Tack Corporation, Fairhaven, Mass. Tacks, nails, metal staples, and finishing washers, etc. Serial No. 437,262; Aug. 26. Class 13.

Arkell Safety Bag Company, New York, N. Y. Paper bags and paper lined bags of textile fabric. Serial No. 445,033; Aug. 26. Class 2.

Babour Welting Company, Brockton, Mass. Shoe welting. Serial No. 444,854; Aug. 26. Class 39.

Barnett, Charles, doing business as Charles Barnett Company, New York, N. Y. Imported South American wines. Serial No. 442,824; Aug. 26. Class 47.

Bermat Products Corp., New York, N. Y. Paper pads and writing pads. Serial No. 444,486; Aug. 26. Class 37.

Black-Clawson Company, The, Hamilton, Ohio. Pumping apparatus for handling liquid material. Serial No. 441,999; Aug. 26. Class 23.

Blodgett, G. S., Co. Inc., The, Burlington, Vt. Baking and roasting ovens. Serial No. 444,749; Aug. 26. Class 34.

Brock, W. A., and Son, Inc., Elizabeth City, N. C. Irish potatoes. Serial No. 444,726; Aug. 26. Class 46.

Busch, Alfred, doing business as M. Pech, Berlin, Germany. Paint spraying apparatus. Serial No. 425,623; Aug. 26. Class 23.

Cameo Vineyards Co., Fresno, Calif. Wines—namely, vermouth. Serial No. 444,753; Aug. 26. Class 47.

Chateau Gay Ltd., Lewiston, N. Y. Wines. Serial No. 443,453; Aug. 26. Class 47.

Chemical Products Corporation of America, Chicago, Ill. Automobile washing preparation. Serial No. 444,929; Aug. 26. Class 4.

Chicago Mail Order Company, Chicago, Ill. Furniture slip covers. Serial No. 444,894; Aug. 26. Class 32.

Club Aluminum Products Co., Chicago, Ill. Base metal cooking and table hollow ware. Serial No. 439,588; Aug. 26. Class 13.

Cohn & Rosenberger, Inc., New York, N. Y. Necklaces and bracelets, finger rings, carrings, etc. Serial No. 442,030; Aug. 26. Class 28.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. Serial No. 432,716; Aug. 26. Class 49.

Cumulus Company, The, Peru, Ind. Soap powder for hand washing and use on any surface requiring a soap cleaner. Serial No. 444,860; Aug. 26. Class 4.

De Messimy, Vincent, Inc., Chicago, Ill. Wines. Serial No. 443,688; Aug. 26. Class 47.

Detective Comics, Inc., New York, N. Y. Magazine publication. Serial No. 444,138; Aug. 26. Class 38.

Diamond Match Company, The, New York, N. Y. Clothes pins. Serial No. 445,229; Aug. 26. Class 24.

Domore Chair Company, Inc., Elkhart, Ind. Correct posture type of office, household, and factory chairs. Serial No. 442,486; Aug. 26. Class 32.

Drake, William A., Blairstown, Belle Plaine, Marengo, Marshalltown, Grinnell, Newton, Cedar Rapids, Williamsburg, and South English, Iowa. Weekly publication. Serial No. 444,039; Aug. 26. Class 38.

East India Curry Shop. (See Teele, Gertrude E.)

Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Electric vacuum cleaners and parts thereof. Serial No. 443,040; Aug. 26. Class 21.

Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Electric vacuum cleaners and parts thereof. Serial No. 445,044; Aug. 26. Class 21.

Elematic Sales Corporation, Blue Island, Ill. Pyrometer attachments. Serial Nos. 445,089–90; Aug. 26. Class 26.

Elway Food Products Corporation, New York, N. Y. Currant and grape jelly, orange marmalade, canned crabmeat, salmon, etc. Serial No. 432,214; Aug. 26. Class 46.

Euclid Candy Co. of California, Inc., The, San Francisco, Calif. Candy. Serial No. 445,150; Aug. 26. Class 46.

Furniture Sales Service Corporation, Chicago, Ill. Advertising matter and mailing pieces sold and used as such, news letters, pamphlets, etc. Serial No. 443,000; Aug. 26. Class 38.

General Aniline & Film Corporation, New York, N. Y. Chemicals and preparations and compounds thereof. Serial No. 444,699; Aug. 26. Class 6.

General Electric Company, Schenectady, N. Y. Radio phonograph combinations. Serial No. 445,052; Aug. 26. Class 36.

Giroux Co., Inc., New York, N. Y. Pancake syrup, fruit syrup, and seasonings, etc. Serial No. 435,975; Aug. 26. Class 46.

Globe American Corporation, Macomb, Ill. Electrical insect destroyer. Serial No. 445,093; Aug. 26. Class 21.

Graton & Knight Company, Worcester, Mass. Loom supplies. Serial No. 444,997; Aug. 26. Class 23.

Greene Trading Company, Inc., New York, N. Y. Pyrethrum. Serial No. 444,302; Aug. 26. Class 6.

Hackney, Horace B., doing business as Horace Hackney Company, London, Ky. Medicine for dandruff and itching scalp. Serial No. 442,867; Aug. 25. Class 6.

Halowax Corporation, New York, N. Y. Plastic sealing compound for use in seams, joints, pipe fittings, etc. Serial No. 444,452; Aug. 26. Class 12.

Hansche, F. W., & Sons, Racine, Wis. Potatoes. Serial No. 439,147; Aug. 26. Class 46.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Medicinal preparation—namely, a vaginal suppository. Serial No. 445,289; Aug. 26. Class 6.

Henry Hanger Company of America, Inc., The, New York, N. Y. Garment hangers. Serial No. 443,007; Aug. 26. Class 50.

House of Herbs, Inc., Canaan, Conn. Hair rinse. Serial No. 443,193; Aug. 26. Class 6.

Huston, Richard M., Jr., Chicago, Ill. Medical preparation. Serial No. 444,794; Aug. 26. Class 6.

Kellogg, Spencer, and Sons, Inc., Buffalo, N. Y. Drying oils as or in coating compositions. Serial No. 444,773; Aug. 26. Class 16.

Kress, S. H., and Company, New York, N. Y. Chocolates. Serial No. 439,657; Aug. 26. Class 46.

La Salle Hat Company, The, Philadelphia, Pa. Men's and boys' hats and caps. Serial No. 444,795; Aug. 26. Class 39.

Lempco Products, Inc., Bedford, Ohio. Machines and tools. Serial No. 444,048; Aug. 26. Class 23.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, face powders, talcum powders, bath powders, etc. Serial No. 442,960; Aug. 26. Class 6.

Lilly, Eli, and Company, Indianapolis, Ind. Concentrates containing vitamin D. Serial No. 444,875; Aug. 26. Class 6.

Lockwood Hardware Manufacturing Co., Fitchburg, Mass. Builder's hardware—namely, door stops, coat hooks, door knobs, etc. Serial No. 442,450; Aug. 26. Class 13.

Mallinckrodt Chemical Works, St. Louis, Mo. Stabilized assimilable iodide-containing substances. Serial No. 443,944; Aug. 26. Class 6.

Marti, Samuel, New York, N. Y. Pianos. Serial No. 437,342; Aug. 26. Class 36.

Melbo Sheen Corporation, New York, N. Y. Water proof fabrics in the piece. Serial No. 443,776; Aug. 26. Class 50.

Milwaukee Lace Paper Company, Milwaukee, Wis. Paper doilies. Serial No. 438,145; Aug. 26. Class 37.

M. L. J. Magazines, Inc., New York, N. Y. Series of cartoons. Serial No. 444,538; Aug. 26. Class 38.

Morten Laboratories, Inc., Dallas, Tex. Medicinal preparation to aid in relieving nasal blockage, sneezing, and headaches. Serial No. 444,878; Aug. 26. Class 6.

Music Strings, Inc., New York, N. Y. Strings for musical instruments. Serial No. 439,875; Aug. 26. Class 36.

Nasser Candy Co., San Francisco, Calif. Candy. Serial No. 441,918; Aug. 26. Class 46.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware and tableware. Serial Nos. 444,832–4; Aug. 26. Class 28.

National Union Radio Corporation. (See Philco Corporation, assignor.)

National Union Radio Corporation, Newark, N. J. Radio and television tubes. Serial Nos. 440,948–9; Aug. 26. Class 21.

Omar Incorporated, Omaha, Nebr. Prepared pancake flour. Serial No. 444,835; Aug. 26. Class 46.

Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flatware. Serial No. 445,209; Aug. 26. Class 28.

Pacific News Reel Theaters, Inc., San Francisco, Calif. Motion picture films. Serial No. 443,729; Aug. 26. Class 26.

Pech, M. (See Busch, Alfred.)

Philco Corporation, Philadelphia, Pa., assignor to National Union Radio Corporation, Newark, N. J. Radio and television tubes. Serial No. 432,868; Aug. 26. Class 21.

Quaker Oats Company, The, Chicago, Ill. Soup. Serial No. 444,681; Aug. 26. Class 46.

Reeves, Art, Los Angeles, Calif. Machine combining in one device the properties of both the sensitometer and a machine for light testing to determine the correct printing exposure for photographic film. Serial No. 441,365; Aug. 26. Class 26.

Reynolds, Frank C., Columbus, Ohio. Sandwiches. Serial No. 443,344; Aug. 26. Class 46.

Ricks, Eulia C., doing business as Ricks Chemical Company, Thomaston, Ga. Scalp tonic. Serial No. 444,418; Aug. 26. Class 6.
Sandpaper Incorporated, Waltham, Mass. Coated abrasives. Serial No. 444,944; Aug. 26. Class 4.
Sea Spray Beverages, Inc., Asbury Park, N. J. Non-alcoholic maltless beverages sold as soft drinks. Serial No. 444,313; Aug. 26. Class 45.
Southern Carbon Company, Monroe, La. Particulate carbon having a general use in the industrial arts. Serial Nos. 444,612–13; Aug. 26. Class 6.
Spen, Henry, Inc., New York, N. Y. Trailers. Serial No. 444,238; Aug. 26. Class 19.
Staley, A. E., Manufacturing Company, Decatur, Ill. Concentrated vegetable protein. Serial No. 445,019; Aug. 26. Class 6.
Straub, W. F., & Company, Chicago, Ill. Honey. Serial No. 444,774; Aug. 26. Class 46.
Synfleur Scientific Laboratories, Inc., Montecello, N. Y. Imitation flavoring extract for food purposes. Serial No. 443,467; Aug. 26. Class 46.
Tasopé Publishing Company, Aurora, Mo. Magazine. Serial No. 444,883; Aug. 26. Class 38.
Teele, Gertrude E., doing business as East India Curry Shops, New York, N. Y. Curry sauce and chutney. Serial No. 443,238; Aug. 26. Class 46.
Texas Company, The, New York, N. Y. Oils and greases for lubricating wire rope. Serial No. 435,884; Aug. 26. Class 15.
Tri-Valley Packing Association, San Francisco, Calif. Canned fruits. Serial No. 444,809; Aug. 26. Class 46.
Union Label Oil Company, Inc., New York, N. Y. Lubricating oils. Serial No. 439,882; Aug. 26. Class 15.
Universal Atlas Cement Company, New York, N. Y. Oil well cement. Serial No. 444,244; Aug. 26. Class 12.
Universal Atlas Cement Company, New York, N. Y. Oil Well cement. Serial No. 444,479; Aug. 26. Class 12.
University of Chicago, The, Chicago, Ill. Periodical published weekly. Serial No. 442,081; Aug. 26. Class 38.
Van Horne, Mildred, Chicago, Ill. Bracelets. Serial No. 443,381; Aug. 26. Class 28.
Walker, Hiram, & Sons Inc., Peoria, Ill. Sloe gin. Serial No. 442,762; Aug. 26. Class 49.
Wilson, P. J., doing business as Wilson Carbon Company, New York, N. Y. Resin. Serial No. 444,886; Aug. 26. Class 1.
Woodruff, F. H., & Sons, Inc., Milford, Conn. Grass sod. Serial No. 442,379; Aug. 26. Class 1.
Workman, B. J., M. D., Sr., doing business as Dr. B. J. Workman Orchards, Woodruff, S. C. Fresh peaches. Serial No. 445,164; Aug. 26. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Accessories Corporation, Gastonia, N. C. Oil filter cartridges. 389,889; Aug. 26; Serial No. 441,459; published June 17, 1941. Class 23.
Aircraft Publications. (See Thorp, Charles E.)
Akron Linen Products Company. (See Searer, Harold J.)
Alden, Chester S., Warren, Pa. Lubricating oils and greases. 389,911; Aug. 26; Serial No. 442,224; published June 3, 1941. Class 15.
American Chemical Paint Company, Philadelphia, to American Chemical Paint Company, Ambler, Pa. Paint that is used to advantage on surfaces exposed to heat. 146,554; renewed Sept. 13, 1941.
American Dairies, Inc. (See Meriden Creamery Company, The.)
American Dairy Cattle Club, The, Chicago, Ill. Newsletters. 389,876–7; Aug. 26; Serial Nos. 440,569–70; published June 17, 1941. Class 38.
American Features, Inc., Hollywood, Calif. Dolls, checker-boards and movable pieces, toy building blocks, and cartoon cut-out toys. 389,855; Aug. 26; Serial No. 429,084; published June 17, 1941. Class 22.
American Molded Products Co., Chicago, Ill. Golf tees. 389,938; Aug. 26; Serial No. 443,318; published June 17, 1941. Class 22.
American Paper Goods Company, The, Kensington, Conn. Round and flat paper drinking-cups. 149,820; renewed Dec. 27, 1941.
American Phenolic Corporation, Chicago, Ill. Synthetic resins. 389,856; Aug. 26; Serial No. 430,937; published June 17, 1941. Class 1.
Aridye Corporation, Fair Lawn, N. J. Textile printing pastes and textile printing colors. 389,941; Aug. 26. Class 6.
Audio Devices, Inc., New York, N. Y. Sound recording devices and accessories. 389,872; Aug. 26; Serial No. 439,793; published June 17, 1941. Class 36.
Augen, Harry, Brooklyn, N. Y. Lubricating grease sticks. 389,964; Aug. 26. Class 15.
B. & T. Floor Company, The, Columbus, Ohio. Strips of shims of composition material used for building up lightweight floor and wall coverings. 389,905; Aug. 26; Serial No. 442,023; published June 17, 1941. Class 12.
Baker Manufacturing Company, Sioux City, Iowa. Overalls, coveralls, and work shirts. 389,919; Aug. 26; Serial No. 442,348; published June 17, 1941. Class 39.
Bell Aircraft Corporation, Buffalo, N. Y. Monthly publication. 389,884; Aug. 26; Serial No. 441,079; published June 10, 1941. Class 38.
Billups Petroleum Company, Jackson, Greenwood, Clarksdale, Indianola, Belzoni, Columbus, Columbia, Gulfport, Itta Bena, Natchez, and Durant, Miss.; Lake Charles, New Iberia, New Orleans, Jennings, Opelousas, Eunice, Franklin, Alexandria, Amite, and Hammond, La.; and Memphis, Tenn. Fuel, gasoline, and illuminating oil, etc. 389,883; Aug. 26; Serial No. 441,012; published June 17, 1941. Class 15.
Bliss, E. W., Company, assignor to E. W. Bliss Company, Brooklyn, N. Y. Metal-working machinery and tools. 149,847; renewed Dec. 27, 1941.
Borden Company, The. (See Hendler Creamery Company, The, assignor.)
Bradford Motor Works, Bradford, Pa. Plain and valved oil well plungers. 389,887; Aug. 26; Serial No. 441,344; published June 17, 1941. Class 23.
Breyer Ice Cream Company, assignor, by mesne assignments, to Breyer Ice Cream Company, Philadelphia, Pa. Ice-cream. 144,355; renewed July 5, 1941.
Breyer Ice Cream Company, assignor, by mesne assignments, to Breyer Ice Cream Company, Philadelphia, Pa. Ice-cream. 144,708; renewed July 19, 1941.
British Belting & Asbestos Limited. (See "Scandinavia" Belting Ltd.)
Bron-Shoe Co. (See Shinbach, Samuel.)
California Prune & Apricot Growers Association. (See Harlan, O. A., & Co., assignor.)
California Sunset Products Co. (See Venza, Joseph.)
California Texas Oil Company, Limited, New York, N. Y. Paint and varnish thinners. 389,865; Aug. 26; Serial No. 438,037; published June 17, 1941. Class 16.
Capitol Tire & Rubber Co., Inc., Boston, Mass. Petroleum products. 389,904; Aug. 26; Serial No. 442,001; published June 3, 1941. Class 15.
Chicago Vitreous Enamel Product Company, Cicero, Ill. Vitreous or porcelain enamel. 150,292; renewed Jan. 3, 1942.
Clark, J. Reuben, Jr., Grantsville, Utah. Dressed poultry. 389,864; Aug. 26; Serial No. 436,921; published June 17, 1941. Class 46.
Clifton Mfg. Company, Waco, Tex. Tents, awnings, paulins, etc. 150,295–9; renewed Jan. 3, 1942.
Cohn & Rosenberger, Inc., New York, N. Y. Necklaces, and bracelets, finger rings, earrings, etc. 389,906; Aug. 26; Serial No. 442,029; published June 17, 1941. Class 28.
"Correct Hold" Crochet Needle Co. (See Denner, Charlotte I.)
Cowan, Louis G., Chicago, Ill. Scripts for a series of radio broadcasts. 389,921; Aug. 26; Serial No. 442,485; published June 17, 1941. Class 38.
Curtiss Candy Company, The, Chicago, Ill. Candy. 148,384; renewed Nov. 15, 1941.
Davies, A., & Sons, Inc., New York, N. Y. Woolen and worsted piece goods. 389,963; Aug. 26. Class 42.
Delvino Grape Products Co. Inc., New York, N. Y. Wines. 389,853; Aug. 26; Serial No. 427,969; published June 17, 1941. Class 47.
Denner, Charlotte I., doing business as "Correct Hold" Crochet Needle Co., Santa Rosa, Calif. Crochet needles. 389,944; Aug. 26. Class 40.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Adhesive or binding tape. 389,933; Aug. 26; Serial No. 442,831; published June 17, 1941. Class 5.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic prints and enlargements. 389,934; Aug. 26; Serial No. 442,837; published June 17, 1941. Class 38.
Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper. 389,897; Aug. 26; Serial No. 441,814; published June 17, 1941. Class 8.
Elgin Windmill Company, Elgin, Ill. Windmills, pump jacks, galvanized steel towers, etc. 389,851; Aug. 26; Serial No. 426,645; published June 17, 1941. Class 23.
Fabri-Steel Products, Incorporated, Detroit, Mich. Clinch nuts and clips. 389,961; Aug. 26. Class 13.
Fair, The, Chicago, Ill. Underwear. 389,903; Aug. 26; Serial No. 441,955; published June 17, 1941. Class 39.
Felters Company, The, Boston, Mass. Heat and sound insulating units. 389,920; Aug. 26; Serial No. 442,414; published June 10, 1941. Class 12.
Flexlume Sign Company, to Flexlume Corporation, Buffalo, N. Y., by change of name. Electrically-illuminated signs. 148,025; renewed Nov. 8, 1941.
Fortmann, Doscher & Co. (See Koellisch & Fortmann, Inc., assignor.)

Francisco, Wallace E., doing business as Francisco Laboratory, Los Angeles, Calif. Motor fuels. 389,879; Aug. 26; Serial No. 440,684; published June 17, 1941. Class 15.
Freeman, Sidney J., & Sons, New York, N. Y. Cigars, cigarettes, and smoking-tobacco, etc. 144,396; renewed July 5, 1941.
Gafford Pharmacal Co., The, Cleveland, Ohio. Nasal respirators. 389,848; Aug. 26; Serial No. 419,061; published June 20, 1939. Class 44.
Geyser Quality Popcorn Company. (See Wheeler, Harvey C.)
Gorham Manufacturing Company, Providence, R. I. Sterling silverware, flatware, and hollowware, etc. 389,886; Aug. 26; Serial No. 441,243; published June 3, 1941. Class 28.
Grumette, Murray, doing business as Murray Grumette Co., Brooklyn, N. Y. Puzzles and puzzle games. 389,898; Aug. 26; Serial No. 441,820; published June 17, 1941. Class 22.
Harlan, O. A., & Co., assignor to California Prune & Apricot Growers Association, San Jose, Calif. Dried fruits and canned fruits. 148,068; renewed Nov. 8, 1941.
Hause Valve Company, Wichita, Kans., and Montpelier, Ohio. Pumps. 389,880; Aug. 26; Serial No. 440,814; published June 17, 1941. Class 23.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Citric acid. 389,965; Aug. 26. Class 6.
Hendler Creamery Company, The, Baltimore, Md., assignor, by mesne assignments, to The Borden Company, New York, N. Y. Title for a monthly publication. 149,942; renewed Dec. 27, 1941.
Hill Distributing Company, The, Columbus, Ohio. Wines. 389,881; Aug. 26; Serial No. 440,936; published June 17, 1941. Class 47.
Huckabee, Thad, Albany, Ga. Pecan nuts in the shell, shelled pecans, and pecan meats. 389,863; Aug. 26; Serial No. 436,869; published June 10, 1941. Class 46.
Ideal Linen Mesh Company, Poughkeepsie, N. Y. Sweaters. 150,414; renewed Jan. 3, 1942.
International Silver Company, Meriden, Conn. Silver plated flat-ware for table use and the like. 389,861; Aug. 26; Serial No. 435,458; published Nov. 5, 1940. Class 28.
Investo Company, Los Angeles, Calif. Liquid filters and parts thereof. 389,939; Aug. 26; Serial No. 443,329; published June 17, 1941. Class 31.
J. & P. Coats (R. I.) Inc., Pawtucket, R. I. Thread and yarn. 146,580; renewed Sept. 13, 1941.
Johnson, Charles Enen, & Company, Philadelphia, Pa. Chemical compound for removing ink. 150,423; renewed Jan. 3, 1942.
June Bride Products Company. (See Kawerk, Roch D.)
Kawerk, Roch D., doing business as June Bride Products Company, Birmingham, Ala. White shoe cleaner. 389,915; Aug. 26; Serial No. 442,322; published June 17, 1941. Class 4.
Kaylon, Inc., New York, N. Y. Men's, women's, and children's pajamas. 389,954; Aug. 26. Class 39.
Kelly, John F., to Helen T. Kelly, administratrix of the estate of John F. Kelly, deceased, Pittsfield, Mass. Dried cranberries, corn, carrots, mixed vegetables, etc. 143,376; renewed May 31, 1941.
Kimble Glass Company, Vineland, N. J. Glass rods and tubing. 389,850; Aug. 26; Serial No. 425,414; published Jan. 16, 1940. Class 33.
Knapp, Raymond, Long Island City, N. Y. Cameras, camera accessories, tripods, etc. 389,847; Aug. 26; Serial No. 412,817; published June 20, 1939. Class 26.
Koellisch & Fortmann, Inc., assignor to Fortmann, Doscher & Co., Inc., New York, N. Y. Pickled, dried, salted, smoked, and canned fish. 148,117; renewed Nov. 8, 1941.
Lake Region Packing Association, Tavares, Fla. Fresh citrus fruits. 150,445; renewed Jan. 3, 1942.
Lampl, Walter, doing business as Lampl, New York, N. Y. Name pins, bar pins, broaches, clips, etc. 389,870; Aug. 26; Serial No. 439,719; published June 3, 1941. Class 28.
Langley & Michaels Company, San Francisco, Calif., assignor, by mesne assignments, to William J. Wardall, trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y. An intestinal lubricant. 150,447; renewed Jan. 3, 1942.
La Rosa, V., & Sons, Inc., Brooklyn, N. Y. Butter, macaroni products, noodles, and pastina, etc. 389,868; Aug. 26; Serial No. 439,200; published June 17, 1941. Class 46.
Lewis, John, & Company, Spokane, Wash. Packing house products. 150,449; renewed Jan. 3, 1942.
Liebel-Flarsheim Company, The, Cincinnati, Ohio. Generator of ultra-violet and infra-red rays. 389,878; Aug. 26; Serial No. 440,603; published June 17, 1941. Class 44.
Lion Oil Refining Company, El Dorado, Ark. Lubricating oil. 389,908; Aug. 26; Serial No. 442,198; published June 10, 1941. Class 15.
Lone Star Roofing Company, Houston, Tex. Asphalt composition roofing, coal tar pitch, asbestos shingles, etc. 389,874; Aug. 26; Serial No. 440,257; published June 17, 1941. Class 12.
Lowe Brothers Company, The, Dayton, Ohio. Color chart directory. 389,869; Aug. 26; Serial No. 439,443; published June 10, 1941. Class 38.
Marchand, Charles, Company, New York, N. Y. Hair rinse. 389,952; Aug. 26. Class 6.
Marshall-Wells Company, Duluth, Minn. Bit braces, hack saw frames, tinner snips, etc. 389,893; Aug. 26; Serial No. 441,585; published June 17, 1941. Class 23.
McGrew Paint & Asphalt Co., Chicago, Ill. Asphaltic compound for sealing, insulating, or waterproofing exterior and interior surfaces. 389,857; Aug. 26; Serial No. 431,366; published Mar. 18, 1941. Class 12.
McKesson & Robbins, Inc. (See Van Vleet-Mansfield Drug Co.)
McKesson & Robbins, Inc. (See Langley & Michaels Company, assignor.)
McLaurin-Jones Co., Brookfield, Mass. Label papers. 389,946; Aug. 26. Class 37.
Merdinger, Irving M., New York, N. Y. Upholstery and spot cleaners, and soap and cleaning compounds. 389,882; Aug. 26; Serial No. 440,992; published June 17, 1941. Class 4.
Meriden Creamery Company, The, to American Dairies, Inc., Kansas City, Mo. Creamery-butter. 150,474; renewed Jan. 3, 1942.
Metro Chocolated Co. Inc., The, Brooklyn, N. Y. Chocolate candy. 141,610; renewed Apr. 26, 1941.
Min-O-Ral Products Company, Detroit, Mich. Natural mineral water and concentrates for making the same. 389,956; Aug. 26. Class 45.
Munsingwear Corporation, The, assignor to Munsingwear, Inc., Minneapolis, Minn. Hosiery and underwear, such underwear being of knitted and textile fabric. 147,373; renewed Oct. 11, 1941.
Mott Carton & Paper Co., St. Louis, Mo. Food product—namely, a frozen confection. 389,866–7; Aug. 26; Serial Nos. 438,891–2; published June 17, 1941. Class 46.
News Syndicate Co., Inc., New York, N. Y. Newspapers published in the city of New York. 149,711; renewed Dec. 20, 1941.
North American Cement Corporation. (See Security Cement & Lime Co., assignor.)
Norwich Pharmacal Company, The, Norwich, N. Y. Concentrated vitamin A preparation. 389,943; Aug. 26. Class 6.
Oil Well Supply Company, Pittsburgh, assignor to Oil Well Supply Company, Oil City, Pa. Certain machinery and tools. 146,317; renewed Sept. 6, 1941.
Oliver Tire & Rubber Company, Oakland, Calif. Compounded rubber preparation. 389,937; Aug. 26; Serial No. 443,262; published June 17, 1941. Class 35.
Oneida Paper Products, Inc., New York, N. Y. Bags of paper, glassine, Cellophane, and the like. 389,846; Aug. 26; Serial No. 412,040; published June 17, 1941. Class 2.
Orbitex, Inc., New York, N. Y. Hosiery and underwear and neckties. 389,888; Aug. 26; Serial No. 441,362; published June 17, 1941. Class 39.
Or-Blos-Co., Jacksonville, Fla. Talcum powder, face powder, perfume, toilet water. 150,504; renewed Jan. 3, 1942.
Orchard Paper Co., St. Louis, Mo. Metallic coated wrapping paper in the form of sheets or rolls. 389,942; Aug. 26. Class 37.
Orr, Russell F., Leechburg, Pa. Medicinal preparation. 389,955; Aug. 26. Class 6.
Paley, Matilda. (See Palleyesch, B. L., assignor.)
Palleyesch, B. L., assignor, by mesne assignments, to Matilda Paley, Brooklyn, N. Y. Medicinal preparation. 150,042; renewed Dec. 27, 1941.
Patrick-Young Company, Incorporated, Richmond, Va. Hams, bacon, and lard. 150,047; renewed Dec. 27, 1941.
Penton Publishing Company, The, Cleveland, Ohio. Periodical. 389,958; Aug. 26. Class 38.
Physicians & Hospitals Supply Co. Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Antiseptic solution. 389,953; Aug. 26. Class 6.
Piedmont Cotton Mills, Egan, Ga. Cotton twine. 389,909; Aug. 26; Serial No. 442,207; published June 17, 1941. Class 7.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat cereal. 389,925; Aug. 26; Serial No. 442,563; published June 17, 1941. Class 46.
Pillsbury Flour Mills Company, Minneapolis, Minn. Rye flour. 389,926; Aug. 26; Serial No. 442,564; published June 17, 1941. Class 46.
Plastex Trim Corporation, Columbus, Ohio. Trim, edge, and cove strips of thermo-plastic composition. 389,916; Aug. 26; Serial No. 442,333; published June 3, 1941. Class 12.
Post, Frederick, Company, The, Chicago, Ill. Developers and erasing fluid for blueprints, developers, and erasing fluids for direct printing sensitized papers and cloths; silver-print and dye-line eradicators, etc. 389,967; Aug. 26. Class 6.
Princeton Worsted Mills, Inc., New York, N. Y. Woolen and worsted textile fabrics in the piece. 389,966; Aug. 26. Class 42.
Public Ledger, Inc., Philadelphia, Pa. Newspaper syndicated feature. 389,895–6; Aug. 26; Serial Nos. 441,783–4; published June 3, 1941. Class 38.

Pure Cheese Corporation, Chicago, Ill. Pasteurized cheese. 389,849; Aug. 26; Serial No. 423,574; published June 17, 1941. Class 46.

Pyrene Manufacturing Company, Newark, N. J. Glass bottles. 389,962; Aug. 26. Class 33.

Red Jacket Manufacturing Company, Davenport, Iowa. Water systems, pumps, accessories, and parts. 389,854; Aug. 26; Serial No. 429,826; published July 23, 1940. Class 23.

Reeves, B. M., Co., Inc., New York, N. Y. Olives. 389,913; Aug. 26; Serial No. 442,283; published June 17, 1941. Class 46.

Reiff, R. A., Inc., West Atlantic City, N. J. Motor fuel oils, heating oils, and lubricating oils and greases. 389,950; Aug. 26. Class 15.

Reis, Robert, & Co., New York, N. Y. Knit and woven hosiery, bathing-suits, and sweaters. 150,073; renewed Dec. 27, 1941.

Rishwain Brothers, Stockton, Calif. Food products—namely, coffee, tomato catsup, and salt. 389,852; Aug. 26; Serial No. 427,677; published June 17, 1941. Class 46.

Robinson Clay Products Company, The, Akron, Ohio. Sewer pipe fabricated from clay compounds. 389,917; Aug. 26; Serial No. 442,335; published June 17, 1941. Class 12.

Roxalin Flexible Lacquer Company, Elizabeth, N. J. Aluminum powder in dry and paste form, aluminum mixing lacquers and varnishes and thinners therefor. 389,873; Aug. 26; Serial No. 439,831; published June 17, 1941. Class 16.

Rubino, Charles E., Chicago, Ill. Feature in the nature of a puzzle. 389,871; Aug. 26; Serial No. 439,781; published June 10, 1941. Class 38.

Ryerson, Joseph T., & Son, Inc., Chicago, Ill. Alloy steel. 389,914; Aug. 26; Serial No. 442,287; published June 17, 1941. Class 14.

"Scandinavia" Belting Ltd., London, assignor to British Belting & Asbestos Limited, Clocklheaton, England. Cotton belting and hair belting. 141,214; renewed Apr. 12, 1941.

Schoppe, H., & Schultz, Hamburg, Germany. Preparation used in the manufacture of ice cream as a binding agent. 389,931; Aug. 26; Serial No. 442,731; published June 17, 1941. Class 46.

Schuckl & Co., Inc., doing business as Sunnyvale Packing Co., San Francisco, Calif. Canned baked beans. 389,900; Aug. 26; Serial No. 441,880; published June 17, 1941. Class 46.

Schuckl & Co., Inc., doing business as Sunnyvale Packing Co., San Francisco, Calif. Canned brown bread. 389,901; Aug. 26; Serial No. 441,881; published June 17, 1941. Class 46.

Searer, Harold J., doing business as Akron Linen Products Company, Akron, Ohio. Wrist watch straps. 389,960; Aug. 26. Class 40.

Security Cement & Lime Co., Hagerstown, Md., assignor to North American Cement Corporation, Albany, N. Y. Calcareous composition for soil improvement. 149,732; renewed Dec. 20, 1941.

Shinbach, Samuel, doing business as Bron-Shoe Co., Columbus, Ohio. Mementoes in the form of a novelty—viz., mounted baby's shoe. 389,945; Aug. 26. Class 50.

Silverman, Sam, doing business as S. Silverman Company, Cincinnati, Ohio. Watches and clocks. 389,957; Aug. 26. Class 27.

Snyder, Chas., Co., Inc., Salinas, Calif. Fresh vegetables. 389,910; Aug. 26; Serial No. 442,216; published June 17, 1941. Class 46.

Southern Cotton Oil Company, The, Jersey City and Bayonne, N. J., New York, N. Y., Gretna, La., Savannah, Ga., and Chicago, Ill., to The Southern Cotton Oil Company, New Orleans, La. Prepared fatty oleaginous or unctuous food substances. 150,577–8; renewed Jan. 3, 1942.

Southern Cotton Oil Company, The, Jersey City and Bayonne, N. J., New York, N. Y., Gretna, La., Savannah, Ga., and Chicago, Ill., to The Southern Cotton Oil Company, New Orleans, La. Prepared fatty oleaginous or unctuous food substances. 150,581–2; renewed Jan. 3, 1942.

South Metropolitan Gas Company, London, England. Fertilizers, being sulfates. 142,142; renewed May 3, 1941.

Spaulding-Moss Company, Boston, Mass. Blue prints, Van Dyke prints, direct positive prints, etc. 389,927; Aug. 26; Serial No. 442,639; published June 17, 1941. Class 38.

Specialty Development Corporation, Los Angeles, Calif. Ice freezing apparatus and machinery and accessories, refrigerating and cooling equipment and accessories. 389,951; Aug. 26. Class 31.

Spiegel, Incorporated, Chicago, Ill. Clarinets, cornets, trumpets, etc. 389,859; Aug. 26; Serial No. 433,504; published Dec. 24, 1940. Class 36.

Spink, Charles C., & Son. (See Sporting News Publishing Company.)

Sporting News Publishing Company, The, doing business as Charles C. Spink & Son, St. Louis, Mo. Newspaper column. 389,929–30; Aug. 26; Serial Nos. 442,672–3; published June 17, 1941. Class 38.

Star Expansion Bolt Company, New York, N. Y., assignor to Star Expansion Bolt Company. Form ties. 389,949; Aug. 26. Class 13.

Stark Bros. Ribbon Corporation, New York, N. Y. Textile ribbons manufactured from silk, rayon, and combinations of silk, rayon, cotton and tinsel. 389,907; Aug. 26; Serial No. 442,180; published June 17, 1941. Class 42.

Stearns & Foster Company, The, Lockland, Ohio. Jute and cotton bats. 146,885; renewed Sept. 20, 1941.

Stearns & Foster Company, The, Lockland, Ohio. Cotton-batting. 150,127; renewed Dec. 27, 1941.

Stearns & Foster Company, The, Lockland, Ohio. Cotton-batting. 150,129; renewed Dec. 27, 1941.

Stearns & Fostern Company, The, Lockland, Ohio. Cotton-batting. 150,131–2; renewed Dec. 27, 1941.

Stearns & Fostern Company, The, Lockland, Ohio. Cotton batting. 150,591; renewed Jan. 3, 1942.

Stearns & Foster Company, Lockland, Ohio. Cotton batting. 150,593–4; renewed Jan. 3, 1942.

Stearns & Foster Company, Lockland, Ohio. Cotton batting. 150,596–7; renewed Jan. 3, 1942.

Stearns & Foster Company, The, Lockland, Ohio. Cotton-batting. 150,599–600; renewed Jan. 3, 1942.

Stearns & Fostern Company, The, Lockland, Ohio. Cotton-batting. 150,602–3; renewed Jan. 3, 1942.

Stearns & Fostern Company, The, Lockland, Ohio. Cotton-batting. 150,605–10; renewed Jan. 3, 1942.

Stearns & Fostern Company, The, Lockland, Ohio. Cotton-batting. 150,612–14; renewed Jan. 3, 1942.

Sterner, Mauritz A., Forest Hills, N. Y. Beach blankets made from paper. 389,862; Aug. 26; Serial No. 436,823; published June 17, 1941. Class 37.

Stevens & Thompson Paper Company, Greenwich, N. Y. Paper Towels. 149,252; renewed Dec. 6, 1941.

Sunnyvale Packing Co. (See Schuckl & Co.)

Superior Skylight Co., Inc., Long Island City, N. Y. Ventilator doors. 389,947; Aug. 26. Class 12.

Swedish Steel Mills' A. A., Inc., New York, N. Y. Steels used for tools. 389,890; Aug. 26; Serial No. 441,492; published June 17, 1941. Class 14.

Swift and Company, Chicago, Ill. Glue. 389,940; Aug. 26; Serial No. 443,438; published June 17, 1941. Class 5.

Symprovised Music, Inc., New York, N. Y. Sheet music. 389,912; Aug. 26; Serial No. 442,246; published June 3, 1941. Class 38.

Thorp, Charles E., doing business as Aircraft Publications, New York, N. Y. Encyclopedia and directory published annually. 389,935; Aug. 26; Serial No. 442,857; published June 17, 1941. Class 38.

Time, Incorporated, New York, N. Y. Weekly magazine. 389,922–4; Aug. 26; Serial Nos. 442,501–3; published June 17, 1941. Class 38.

Trinidad Bean and Elevator Company, The, Trinidad, to The Trinidad Bean and Elevator Company, Denver, Colo. Dried beans of all kinds. 150,624; renewed Jan. 3, 1942.

Ulmer Pharmacal Company. (See Physicians & Hospitals Supply Co. Inc.)

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 389,891; Aug. 26; Serial No. 441,527; published June 17, 1941. Class 2.

United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass., to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass. Boot and shoe machines and tools. 149,745; renewed Dec. 20, 1941.

United States Gypsum Company, Chicago, Ill. Asphalt roofing. 389,918; Aug. 26; Serial No. 442,344; published June 3, 1941. Class 12.

Van Vleet-Mansfield Drug Co., Memphis, Tenn., assignor, by mesne assignments, to William J. Wardall, trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y. Antiseptic. 146,014; renewed Aug. 23, 1941.

Van Vlett-Mansfield Drug Co., Memphis, Tenn., assignor, by mesne assignments, to William J. Wardall, as trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y. Medicinal preparation known as chill-tonic. 149,538; renewed Dec. 13, 1941.

Venza, Joseph, doing business as California Sunset Products Co., New York, N. Y. Wines. 389,892; Aug. 26; Serial No. 441,528; published June 17, 1941. Class 47.

Virginia Lens Company, Inc., Petersburg, Va. Ophthalmic lenses. 389,902; Aug. 26; Serial No. 441,890; published June 17, 1941. Class 26.

Vistem Corporation, New York, N. Y. Posting trays, desks, file cabinets, etc. 389,928; Aug. 26; Serial No. 442,644; published June 17, 1941. Class 32.

W & S Packing Company, Salinas, Calif. Fresh vegetables. 389,860; Aug. 26; Serial No. 434,255; published May 27, 1941. Class 46.

Wardall, William J. (See Van Vleet-Mansfield Drug Co., assignor.)

Wardall, William J. (See Langley & Michaels Company, assignor.)

Werner, R. D., Co., Inc., New York, N. Y. Moulded and extruded plastics. 389,899; Aug. 26; Serial No. 441,838; published June 3, 1941. Class 12.

West, Earl C., Mora, Minn. Dental plate cleaner. 389,932; Aug. 26; Serial No. 442,814; published June 17, 1941. Class 4.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostats for electrical circuits. 389,858; Aug. 26; Serial No. 433,041; published June 17, 1941. Class 26.

Wheeler, Harvey C., doing business as Geyser Quality Popcorn Company, Miami, Fla. Popcorn vending machines. 389,885; Aug. 26; Serial No. 441,222; published June 17, 1941. Class 23.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental equipment stands. 389,936; Aug. 26; Serial No. 443,101; published June 17, 1941. Class 44.

Wilbur-Suchard Chocolate Company, Inc., Lititz, Pa. Candy. 389,894; Aug. 26; Serial No. 441,718; published June 17, 1941. Class 46.

Wilson-Snyder Manufacturing Corporation, Braddock, Pa. Steam engines. 389,959; Aug. 26. Class 23.

Winthrop Chemical Company, Inc., New York, N. Y. Antiseptic powder. 145,872; renewed Aug. 16, 1941.

Wortendyke Manufacturing Co., Richmond, Va. Paper bags. 150,657; renewed Jan. 3, 1942.

Wright, William E., & Sons Company, The, West Warren, Mass. Hank ribbons. 389,948; Aug. 26. Class 42.

Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 389,875; Aug. 26; Serial No. 440,274; published June 17, 1941. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cotton-batting. Stearns & Foster Company. 150,127; renewed Dec. 27, 1941.

Cotton-batting. Stearns & Foster Company. 150,129; renewed Dec. 27, 1941.

Cotton-batting. Stearns & Foster Company. 150,131–2; renewed Dec. 27, 1941.

Cotton batting. Stearns & Foster Company. 150,591; renewed Jan. 3, 1942.

Cotton batting. Stearns & Foster Company. 150,593–4; renewed Jan. 3, 1942.

Cotton batting. Stearns & Foster Company. 150,596–7; renewed Jan. 3, 1942.

Cotton-batting. Stearns & Foster Company. 150,599–600; renewed Jan. 3, 1942.

Cotton-batting. Stearns & Foster Company. 150,602–3; renewed Jan. 3, 1942.

Cotton-batting. Stearns & Foster Company. 150,605–10; renewed Jan. 3, 1942.

Cotton-batting. Stearns & Foster Company. 150,612–14; renewed Jan. 3, 1942.

Jute and cotton bats. Stearns & Foster Company. 146,885; renewed Sept. 20, 1941.

Resins, Synthetic. American Phenolic Corporation. 389,856; Aug. 26; serial No. 430,937; published June 17, 1941.

CLASS 2

Bags of paper, glassine, cellophane, and the like. Onelda Paper Products, Inc. 389,846; Aug. 26; Serial No. 412,040; published June 17, 1941.

Bags, Paper. Union Bag & Paper Corporation. 389,891; Aug. 26; Serial No. 441,527; published June 17, 1941.

Bags, Paper. Wortendyke Manufacturing Co. 150,657; renewed Jan. 3, 1942.

Cups, Round and flat paper drinking. American Paper Goods Company. 149,820; renewed Dec. 27, 1941.

CLASS 4

Cleaner, Dental plate. E. C. West. 389,932; Aug. 26; Serial No. 442,814; published June 17, 1941.

Cleaner, White shoe. R. D. Kawerk. 389,915; Aug. 26; Serial No. 442,322; published June 17, 1941.

Cleaners and soap and cleaning compounds, Upholstery and spot. I. M. Merdinger. 389,882; Aug. 26; Serial No. 440,992; published June 17, 1941.

CLASS 5

Adhesive or binding tape. Eastman Kodak Company. 389,933; Aug. 26; Serial No. 442,831; published June 17, 1941.

Glue. Swift and Company. 389,940; Aug. 26; Serial No. 443,438; published June 17, 1941.

CLASS 6

Acid, Citric. Hawaiian Pineapple Company, Ltd. 389,965; Aug. 26.

Antiseptic. Van Vleet-Mansfield Drug Co. 146,014; renewed Aug. 23, 1941.

Antiseptic solution. Physicians & Hospitals Supply Co. Inc. 389,953; Aug. 26.

Chemical compound for removing ink. C. E. Johnson & Company. 150,423; renewed Jan. 3, 1942.

Developers and erasing fluids for blueprints; developers and erasing fluids for direct printing sensitized papers and cloths; silver-print and dye-line eradicators, etc. Frederick Post Company. 389,967; Aug. 26.

Hair rinse. Charles Marchand Company. 389,952; Aug. 26.

Intestinal lubricant. Langley & Michaels Company. 150,447; renewed Jan. 3, 1942.

Medicinal preparation. R. F. Orr. 389,955; Aug. 26.

Medicinal preparation. B. L. Palleyesch. 150,042; renewed Dec. 27, 1941.

Medicinal preparation known as chill-tonic. Van Vleet-Mansfield Drug Co. 149,538; renewed Dec. 13, 1941.

Powder, Antiseptic. Winthrop Chemical Company. 145,872; renewed Aug. 16, 1941.

Powder, Talcum, face, perfume, toilet water. Or-Blos-Co. 150,504; renewed Jan. 3, 1942.

Textile printing pastes and textile printing colors. Aridye Corporation. 389,941; Aug. 26.

Vitamin A preparation, Concentrated. Norwich Pharmacal Company. 389,943; Aug. 26.

CLASS 7

Twine, Cotton. Piedmont Cotton Mills. 389,909; Aug. 26; Serial No. 442,207; published June 17, 1941.

CLASS 8

Cigarette paper. Ecusta Paper Corporation. 389,897; Aug. 26; Serial No. 441,814; published June 17, 1941.

CLASS 10

Calcareous composition for soil improvement. Security Cement & Lime Co. 149,732; renewed Dec. 20, 1941.

Fertilizers, being sulfates. South Metropolitan Gas Company. 142,142; renewed May 3, 1941.

CLASS 12

Asphalt roofing. United States Gypsum Company. 389,918; Aug. 26; Serial No. 442,344; published June 3, 1941.

Asphaltic compound for sealing, insulating, or waterproofing exterior and interior surfaces. McGrew Paint & Asphalt Co. 389,857; Aug. 26; Serial No. 431,366; published Mar. 18, 1941.

Doors, Ventilator. Superior Skylight Co. 389,947; Aug. 26.

Heat and sound insulating units. Felters Company. 389,920; Aug. 26; Serial No. 442,414; published June 10, 1941.

Plastics, Moulded and extruded. R. D. Werner Co. 389,899; Aug. 26; Serial No. 441,838; published June 3, 1941.

Roofing, Asphalt composition, coal tar pitch, asbestos shingles, etc. Lone Star Rooting Company. 389,874; Aug. 26; Serial No. 440,257; published June 17, 1941.

Sewer pipe. Robinson Clay Product Company. 389,917; Aug. 26; Serial No. 442,335; published June 17, 1941.

Strips or shims of composition material. B. & T. Floor Company. 389,905; Aug. 26; Serial No. 442,023; published June 17, 1941.

Thermo-plastic composition, Trim, edge, and cove strips of. Plastex Trim Corporation. 389,916; Aug. 26; Serial No. 442,333; published June 3, 1941.

CLASS 13

Clinch nuts and clips. Fabri-Steel Products, Incorporated. 389,961; Aug. 26.

Form ties. Star Expansion Bolt Company. 389,949; Aug. 26.

CLASS 14

Steel, Alloy. Joseph T. Ryerson & Son, Inc. 389,914; Aug. 26; Serial No. 442,287; published June 17, 1941.

Steels used for tools. Swedish Steel Mills' A. A., Inc. 389,890; Aug. 26; Serial No. 441,492; published June 17, 1941.

CLASS 15

Fuel, gasoline, and illuminating oil, etc. Billups Petroleum Company. 389,883; Aug. 26; Serial No. 441,012; published June 17, 1941.

Fuels, Motor. W. E. Francisco. 389,879; Aug. 26; Serial No. 440,684; published June 17, 1941.

Grease sticks, Lubricating. H. Augen. 389,964; Aug. 26.

Lubricating oil. Lion Oil Refining Company. 389,908; Aug. 26; Serial No. 442,198; published June 10, 1941.

Lubricating oils and greases. C. S. Allen. 389,911; Aug. 26; Serial No. 442,224; published June 3, 1941.

Oils, Heating oils, and lubricating oils, and greases, Motor fuel. R. A. Reiff, Inc. 389,950; Aug. 26.

Petroleum products. Capitol Tire & Rubber Co. 389,904; Aug. 26; Serial No. 442,001; published June 3, 1941.

CLASS 16

Aluminum powder, mixing lacquers, and varnishes and thinners therefor. Roxalin Flexible Lacquer Company. 389,873; Aug. 26; Serial No. 439,831; published June 17, 1941.

Paint. American Chemical Paint Company. 146,554; renewed Sept. 13, 1941.
Paint and varnish thinners. California Texas Oil Company. 389,865; Aug. 26; Serial No. 438,037; published June 17, 1941.
Vitreous or porcelain enamel. Chicago Vitreous Enamel Product Company. 150,292; renewed Jan. 3, 1942.

CLASS 17

Cigars, Cigarettes, and smoking tobacco, etc. S. J. Freeman & Sons. 144,396; renewed July 5, 1941.

CLASS 21

Electrically-illuminated signs. Flexlume Sign Company. 148,025; renewed Nov. 8, 1941.
Radio and television receiving sets and parts thereof. Zenith Radio Corporation. 389,875; Aug. 26; Serial No. 440,274; published June 17, 1941.

CLASS 22

Dolls, checker-boards and movable pieces, toy building blocks, etc. American Features, Inc. 389,855; Aug. 26; Serial No. 429,084; published June 17, 1941.
Golf tees. American Molded Products Co. 389,938; Aug. 26; Serial No. 443,318; published June 17, 1941.
Puzzle and puzzle games. M. Grumette. 389,898; Aug. 26; Serial No. 441,820; published June 17, 1941.

CLASS 23

Bit braces, hack saw frames, tinner snips, etc. Marshall-Wells Company. 389,893; Aug. 26; Serial No. 441,585; published June 17, 1941.
Machinery and tools. Oil Well Supply Company. 146,317; renewed Sept. 6, 1941.
Machinery and tools, Metal-working. E. W. Bliss Company. 149,847; renewed Dec. 27, 1941.
Machines and tools, Boot and shoe. United Shoe Machinery Corporation. 149,745; renewed Dec. 20, 1941.
Oil filter cartridges. Accessories Corporation. 389,889; Aug. 26; Serial No. 441,459; published June 17, 1941.
Plungers, Plain and valved oil well. Bradford Motor Works. 389,887; Aug. 26; Serial No. 441,344; published June 17, 1941.
Pumps. Hause Valve Company. 389,880; Aug. 26; Serial No. 440,814; published June 17, 1941.
Steam engines. Wilson-Snyder Manufacturing Corporation. 389,959; Aug. 26.
Vending machines, Popcorn. H. C. Wheeler. 389,885; Aug. 26; Serial No. 441,222; published June 17, 1941.
Water systems, pumps, accessories, and parts. Red Jacket Manufacturing Company. 389,854; Aug. 26; Serial No. 429,826; published July 23, 1940.
Windmills, pump jacks, galvanized steel towers, etc. Elgin Windmill Company. 389,851; Aug. 26; Serial No. 426,645; published June 17, 1941.

CLASS 26

Cameras, camera accessories, tripods, etc. R. Knapp. 389,847; Aug. 26; Serial No. 412,817; published June 20, 1939.
Ophthalmic lenses. Virginia Lens Company. 389,902; Aug. 26; Serial No. 441,890; published June 17, 1941.
Thermostats for electrical circuits. Westinghouse Electric & Manufacturing Company. 389,858; Aug. 26; Serial No. 433,041; published June 17, 1941.

CLASS 27

Watches and clocks. S. Silverman. 389,957; Aug. 26.

CLASS 28

Flat-ware for table use and the like, Silver plated. International Silver Company. 389,861; Aug. 26; Serial No. 435,458; published Nov. 5, 1940.
Name pins, bar pins, brooches, etc. W. Lampl. 389,870; Aug. 26; Serial No. 439,719; published June 3, 1941.
Necklaces, and bracelets, finger rings, etc. Cohn & Rosenberger, Inc. 389,906; Aug. 26; Serial No. 442,029; published June 17, 1941.
Silverware, flatware, and hollowware, etc., Sterling. Gorham Manufacturing Company. 389,886; Aug. 26; Serial No. 441,243; published June 3, 1941.

CLASS 31

Filters and parts thereof, Liquid. Investo Company. 389,939; Aug. 26; Serial No. 443,329; published June 17, 1941.
Ice freezing apparatus and machinery and accessories, refrigerating and cooling equipment and accessories. Specialty Development Corporation. 389,951; Aug. 26.

CLASS 32

Trays, desks, file cabinets, etc., Posting. Vistem Corporation. 389,928; Aug. 26; Serial No. 442,644; published June 17, 1941.

CLASS 33

Bottles, Glass. Pyrene Manufacturing Company. 389,962; Aug. 26.
Glass rods and tubing. Kimble Glass Company. 389,850; Aug. 26; Serial No. 425,414; published Jan. 16, 1940.

CLASS 35

Belting and hair belting, Cotton. "Scandinavia" Belting Ltd. 141,214; renewed Apr. 12, 1941.
Rubber preparation, Compounded. Oliver Tire & Rubber Company. 389,937; Aug. 26; Serial No. 443,262; published June 17, 1941.

CLASS 36

Clarinets, cornets, trumpets, etc. Spiegel, Incorporated. 389,859; Aug. 26; Serial No. 433,504; published Dec. 24, 1940.
Sound recording devices and accessories. Audio Devices, Inc. 389,872; Aug. 26; Serial No. 439,793; published June 17, 1941.

CLASS 37

Blankets made from paper, Beach. M. A. Sterner. 389,862; Aug. 26; Serial No. 436,823; published June 17, 1941.
Label papers. McLaurin-Jones Co. 389,946; Aug. 26.
Paper, Metallic coated wrapping. Orchard Paper Co. 389,942; Aug. 26.
Paper towels. Stevens & Thompson Paper Company. 149,252; renewed Dec. 6, 1941.

CLASS 38

Blue prints, Van Dyke prints, direct positive prints, etc. Spaulding-Moss Company. 389,927; Aug. 26; Serial No. 442,639; published June 17, 1941.
Color chart directory. Lowe Brothers Company. 389,869; Aug. 26; Serial No. 439,443; published June 10, 1941.
Encyclopedia and directory. C. E. Thorp. 389,935; Aug. 26; Serial No. 442,857; published June 17, 1941.
Feature in the nature of a puzzle. C. E. Rubino. 389,871; Aug. 26; Serial No. 439,781; published June 10, 1941.
Magazine, Weekly. Time, Incorporated. 389,922–4; Aug. 26; Serial Nos. 442,501–3; published June 17, 1941.
Newsletters. American Dairy Cattle Club. 389,876–7; Aug. 26; Serial Nos. 440,569–70; published June 17, 1941.
Newspaper column. Sporting News Publishing Company. 389,929–30; Aug. 26; Serial Nos. 442,672–3; published June 17, 1941.
Newspaper syndicated feature. Public Ledger, Inc. 389,895–6; Aug. 26; Serial Nos. 441,783–4; published June 3, 1941.
Newspapers. News Syndicate Co. 149,711; renewed Dec. 20, 1941.
Periodical. Penton Publishing Company. 389,958; Aug. 26.
Prints and enlargements, Photographic. Eastman Kodak Company. 389,934; Aug. 26; Serial No. 442,837; published June 17, 1941.
Publication, Monthly. Bell Aircraft Corporation. 389,884; Aug. 26; Serial No. 441,079; published June 10, 1941.
Scripts. L. G. Cowan. 389,921; Aug. 26; Serial No. 442,485; published June 17, 1941.
Sheet music. Symprovised Music, Inc. 389,912; Aug. 26; Serial No. 442,246; published June 3, 1941.
Title for a monthly publication. Hendler Creamery Company. 149,942; renewed Dec. 27, 1941.

CLASS 39

Hosiery and underwear. Munsingwear Corporation. 147,373; renewed Oct. 11, 1941.
Hosiery and underwear and necktles. Orbitex, Inc. 389,888; Aug. 26; Serial No. 441,362; published June 17, 1941.
Overalls, coveralls, and work shirts. Baker Manufacturing Company. 389,919; Aug. 26; Serial No. 442,348; published June 17, 1941.
Pajamas, Men's, women's, and children's. Kaylon, Inc. 389,954; Aug. 26.

Sweaters. Ideal Linen Mesh Company. 150,414; renewed Jan. 3, 1942.
Underwear. The Fair. 389,903; Aug. 26; Serial No. 441,955; published June 17, 1941.
Underwear, hosiery, and bathing-suits, Knit and woven. Robert Reis & Co. 150,073; renewed Dec. 27, 1941.

CLASS 40

Crochet needles for hand use. C. I. Denner. 389,944; Aug. 26.
Watch straps, Wrist. H. J. Searer. 389,960; Aug. 26.

CLASS 42

Textile ribbons. Stark Bros. Ribbon Corporation. 389,907; Aug. 26; Serial No. 442,180; published June 17, 1941.
Ribbons, Hank. William E. Wright & Sons Company. 389,948; Aug. 26.
Woolen and worsted piece goods. A. Davies & Sons, Inc. 389,963; Aug. 26.
Woolen ad worsted textile fabrics in the piece. Princeton Worsted Mills, Inc. 389,966; Aug. 26.

CLASS 43

Thread and yarn. J. & P. Coats (R. I.) Inc. 146,580; renewed Sept. 13, 1941.

CLASS 44

Dental equipment stands. S. S. White Dental Manufacturing Company. 389,936; Aug. 26; Serial No. 443,101; published June 17, 1941.
Generator of ultra-violet and infra red rays. Liebel-Flarsheim Company. 389,878; Aug. 26; Serial No. 440,603; published June 17, 1941.
Respirators, Nasal. Gafford Pharmacal Co. 389,848; Aug. 26; Serial No. 419,061; published June 20, 1939.

CLASS 45

Mineral water and concentrates for making the same, Natural. Min-O-Ral Products Company. 389,956; Aug. 26.

CLASS 46

Beans of all kinds, Dried. Trinidad Bean and Elevator Company. 150,624; renewed Jan. 3, 1942.
Butter, macaroni products, noodles and pastina, etc. V. La Rosa & Sons, Inc. 389,868; Aug. 26; Serial No. 439,200; published June 17, 1941.
Candy. Curtiss Candy Company. 148,384; renewed Nov. 15, 1941.
Candy. Wilbur-Suchard Chocolate Company. 389,894; Aug. 26; Serial No. 441,718; published June 17, 1941.
Candy, Chocolate. Metro Chocolate Co. Inc. 141,610; renewed Apr. 26, 1941.
Canned baked beans. Schuckl & Co. 389,900; Aug. 26; Serial No. 441,880; published June 17, 1941.
Canned brown bread. Schuckl & Co. 389,901; Aug. 26; Serial No. 441,881; published June 17, 1941.
Cereal, Wheat. Pillsbury Flour Mills Company. 389,925; Aug. 26; Serial No. 442,563; published June 17, 1941.
Cheese, Pasteurized. Pure Cheese Corporation. 389,849; Aug. 26; Serial No. 423,574; published June 17, 1941.
Cranberries, corn, carrots, mixed vegetables, etc., Dried. J. F. Kelly. 143,376; renewed May 31, 1941.
Creamery-butter. Meriden Creamery Company. 150,474; renewed Jan. 3, 1942.
Fatty oleaginous or unctuous food substances, Prepared. Southern Cotton Oil Company. 150,577–8; renewed Jan. 3, 1942.
Fatty oleaginous or unctuous food substances, Prepared. Southern Cotton Oil Company. 150,581–2; renewed Jan. 3, 1942.
Fish, Pickled, dried, salted, etc. Koellisch & Fortmann, Inc. 148,117; renewed Nov. 8, 1941.
Flour, Rye. Pillsbury Flour Mills Company. 389,926; Aug. 26; Serial No. 442,564; published June 17, 1941.
Food product—namely, a frozen confection. Mott Carton & Paper Co. 389,866–7; Aug. 26; Serial Nos. 438,891–2; published June 17, 1941.
Food products—namely, coffee, tomato catsup, and salt. Rishwain Brothers. 389,852; Aug. 26; Serial No. 427,677; published June 17, 1941.
Fruits, Dried and canned. O. A. Harlan & Co. 148,068; renewed Nov. 8, 1941.
Fruits, Fresh citrus. Lake Region Packing Association. 150,445; renewed Jan. 3, 1942.
Hams, bacon, and lard. Patrick-Young Company. 150,047; renewed Dec. 27, 1941.
Ice-cream. Breyer Ice Cream Company. 144,355; renewed July 5, 1941.
Ice-cream. Breyer Ice Cream Company. 144,708; renewed July 19, 1941.
Olives. B. M. Reeves Co. 389,913; Aug. 26; Serial No. 442,283; published June 17, 1941.
Packing house products. J. Lewis & Company. 150,449; renewed Jan. 3, 1942.
Pecan nuts in the shell, shelled pecans and pecan meats. T. Huckabee. 389,863; Aug. 26; Serial No. 436,869; published June 10, 1941.
Poultry, Dressed. J. R. Clark, Jr. 389,864; Aug. 26; Serial No. 436,921; published June 17, 1941.
Preparation used in the manufacture of ice cream. H. Schoppe & Schultz. 389,931; Aug. 26; Serial No. 442,731; published June 17, 1941.
Vegetables. Chas. Snyder Co. 389,910; Aug. 26; Serial No. 442,216; published June 17, 1941.
Vegetables, Fresh. W & S Packing Company. 389,860; Aug. 26; Serial No. 434,255; published May 27, 1941.

CLASS 47

Wines. Delvino Grape Products Co. Inc. 389,853; Aug. 26; Serial No. 427,969; published June 17, 1941.
Wines. Hill Distributing Company. 389,881; Aug. 26; Serial No. 440,936; published June 17, 1941.
Wines. J. Venza. 389,892; Aug. 26; Serial No. 441,528; published June 17, 1941.

CLASS 50

Mementoes in the form of a novelty viz., mounted baby's shoe. S. Shinbach. 389,945; Aug. 26.
Tents, awnings, paulins, etc. Clifton Mfg. Company. 150,295–9; renewed Jan. 3, 1942.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Pouch Corporation. (See Klein, Louis M., assignor.)

Cavalcante, Jonathan S., Brooklyn, N. Y., assignor to Trans-Lux Corporation. Apparatus for pulling tape. Re. 21,884; Aug. 26.

Drycor Felt Company. (See Walsh, P. H., and Gates, assignors.)

French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Tiltable bottom cable operated scraper. Re. 21,885; Aug. 26.

Gates, Percival T. (See Walsh, P. H., and Gates.)

Heil Co., The. (See French, Henry C., assignor.)

Johnson Brothers Engineering Corporation. (See Johnson, Clarence L., assignor.)

Johnson, Clarence L., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill. Internal combustion engine. Re. 21,886; Aug. 26.

Klein, Louis M., New York, N. Y., assignor to American Pouch Corporation. Tobacco pouch. Re. 21,887; Aug. 26.

Proctor, Barton A., Larchmont, assignor to B. A. Proctor Company, Inc., New York, N. Y. Phonograph drive. Re. 21,888; Aug. 26.

Proctor, B. A., Company. (See Proctor, Barton A., assignor.)

Strahan, Joseph C. J., New York, N. Y. Hosiery. Re. 21,889; Aug. 26.

Trans-Lux Corporation. (See Cavalcante, Jonathan S., assignor.)

Walsh, Patrick H., Boston, Mass., and P. T. Gates, Montclair, assignors to Drycor Felt Company, Belleville, N. J. Industrial and paper-makers felts. Re. 21,890; Aug. 26.

LIST OF PLANT PATENTEES

Van Bourgondien, Cornelius J., assignor to C. J. Van Bourgondien, Inc., Babylon, N. Y. Freesia plant. 486; Aug. 26.

Van Bourgondien, Cornelius J., assignor to C. J. Van Bourgondien, Inc., Babylon, N. Y. Freesia plant. 487; Aug. 26.

Van Bourgondien, Cornelius J., assignor to C. J. Van Bourgondien, Inc., Babylon, N. Y. Freesia plant. 488; Aug. 26.

Van Bourgondien, C. J., Inc. (See Van Bourgondien, Cornelius J., assignor.)

LIST OF DESIGN PATENTEES

American Optical Company. (See Halikman, Harris K., assignor.)

Baker, David S., New York, N. Y., assignor to J. White, 4th, Atlantic City, N. J. Indoor golf apparatus. 129,137; Aug. 26.

Beardsley, Robert, and J. T. Martin, Wilmette, Ill. Lamp shade support. 129,112; Aug. 26.

Beardsley, Robert, and J. P. Martin, Wilmette, Ill. Lamp shade support. 129,113; Aug. 26.

Beardsley, Robert, and J. P. Martin, Wilmette, Ill. Lamp shade support. 129,114; Aug. 26.

Beardsley, Robert, and J. P. Martin, Wilmette, Ill. Lamp shade support. 129,115; Aug. 26.

Beardsley, Robert, and J. P. Martin, Wilmette, Ill. Lamp shade support. 129,116; Aug. 26.

Beardsley, Robert, and J. P. Martin, Wilmette, Ill. Lamp shade support. 129,117; Aug. 26.

Beaver Pipe Tools, Inc. (See Pealer, Robert B., assignor.)

Bel Geddes, Norman, New York, N. Y. Pin clip. 129,164; Aug. 26.

Bel Geddes, Norman, New York, N. Y. Pin clip. 129,165; Aug. 26.

Better Packages Incorporated. (See Krueger, Theodore H., assignor.)

Beverages of America, Inc. (See Lasley, Charles A., assignor.)

Brodton, Lynn, Collingswood, N. J. Flash light, or similar article. 129,155; Aug. 26.

Brogan, Frank C., Larchmont, N. Y. Dress ensemble. 129,138; Aug. 26.

Brown, William T., assignor to The Watson Company, Attleboro, Mass. Fork or similar article. 129,156; Aug. 26.

Buchholz, Israel, New York, N. Y. Dress. 129,209; Aug. 26.

Buchholz, Israel, New York, N. Y. Dress. 129,210; Aug. 26.

Burst, Carl W., Richmond Heights, Mo. Chair. 129,157; Aug. 26.

Buxton, Mabel A. (See Buxton, Warner R.)

Buxton, Warner R., deceased; M. A. Buxton, executrix Longmeadow, Mass. Flexible pocket receptacle 129,139; Aug. 26.

Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lamp lens. 129,140; Aug. 26.

Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lamp lens. 129,141; Aug. 26.

Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lamp lens. 129,142; Aug. 26.

Carbotti, Marie, New York, N. Y. Dress. 129,211; Aug. 26.

Carbotti, Marie, New York, N. Y. Dress. 129,212; Aug. 26.

Carbotti, Marie, New York, N. Y. Dress. 129,213; Aug. 26.

Carbotti, Marie, New York, N. Y. Dress. 129,214; Aug. 26.

Carbotti, Marie, New York, N. Y. Dress. 129,222; Aug. 26.

Carbotti, Marie, New York, N. Y. Dress. 129,223; Aug. 26.

Carbotti, Marie, New York, N. Y. Dress. 129,224; Aug. 26.

Charles, Camille, New York, N. Y. Dress. 129,143; Aug. 26.

Chrysler Corporation. (See Cadwallader, Robert, assignor.)

Columbia Protektosite Co., Inc. (See Talbot, Herbert R., assignor.)

Comiskey, Charles A., Chicago, Ill. Motorcycle fender guard. 129,102; Aug. 26.

Constantine, George, New York, N. Y. Dress ensemble. 129,225; Aug. 26.

Crane Co. (See Dreyfuss, Henry, assignor.)

Cutler, Elizabeth, New York, N. Y. Dress. 129,215; Aug. 26.

Cutler, Elizabeth, New York, N. Y. Dress. 129,216; Aug. 26.

Dexter, Hildreth Lange, assignor to R. H. Macy & Co. Inc., New York, N. Y. Bottle. 129,158; Aug. 26.

Downs, Marwood A., assignor to Ontario Manufacturing Company, Muncie, Ind. Spoon or other article of flatware. 129,118; Aug. 26.

Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Water heater. 129,144; Aug. 26.

Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Water heater. 129,145; Aug. 26.

Dreyfuss, Henry, New York, N. Y., assignor to Eversharp, Inc., Chicago, Ill. Lead pencil or similar article. 129,159; Aug. 26.

Dunlap, Russel, Detroit, Mich. Scoop. 129,146; Aug. 26.

Du Pree, Ernest L., Chappaqua, assignor to Schenley Distillers Corporation, New York, N. Y. Bottle. 129,160; Aug. 26.

Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 129,196; Aug. 26.

Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 129,197; Aug. 26.
Elkin, Newton, Philadelphia, Pa. Shoe or similar article. 129,198; Aug. 26.
Elmo, Sadie, New York, N. Y. Dress. 129,226; Aug. 26.
Elmo, Sadie, New York, N. Y. Dress. 129,227; Aug. 26.
Eversharp, Inc. (See Dreyfuss, Henry, assignor.)
Fields, Minna, New York, N. Y. Dress. 129,228; Aug. 26.
Fields, Minna, New York, N. Y. Dress. 129,229; Aug. 26.
Fischer, Jack P., Westchester County, assignor to J. P. Fischer Inc., New York, N. Y. Hand switch. 129,161; Aug. 26.
Fischer, J. P., Inc. (See Fischer, Jack P., assignor.)
Fischman, David, Great Neck, N. Y. Bottle or similar article. 129,162; Aug. 26.
Folmer Graflex Corporation, The. (See Sprague, Joseph A., assignor.)
Fosgood Corporation. (See Huppert, William, assignor.)
Fuerst, Brooks D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 129,163; Aug. 26.
G. G. Patent Company, The. (See Grunberg, George, assignor.)
Goldsmith, Samuel R., New York, N. Y. Handbag. 129,166; Aug. 26.
Gottlieb, D., & Co. (See Gottlieb, David, assignor.)
Gottlieb, David, Oak Park, assignor to D. Gottlieb & Co., Chicago, Ill. Game apparatus. 129,103; Aug. 26.
Gross-Sydney. (See Lubow, Charlotte S., assignor.)
Grossman, Samuel, Chicago, Ill. Jacket. 129,199; Aug. 26.
Grunberg, George, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio. Bottle. 129,167; Aug. 26.
Halikman, Harris K., Lynn, assignor to American Optical Company, Southbridge, Mass. Spectacle frame. 129,119; Aug. 26.
Hauser, Martin, Kansas City, Kans. Sign. 129,168; Aug. 26.
Heinze, John O., Detroit, Mich. Elevated railway station unit. 129,200; Aug. 26.
Herbst, John, New York, N. Y. Figurine or similar article. 129,147; Aug. 26.
Herbst, John, New York, N. Y. Figurine or similar article. 129,148; Aug. 26.
Herbst, John, New York, N. Y. Figurine or similar article. 129,201; Aug. 26.
Herbst, John, New York, N. Y. Figurine or similar article. 129,202; Aug. 26.
Hermann, Winifred, Chicago, Ill. Dress ensemble. 129,230; Aug. 26.
Hickok Manufacturing Company, Inc. (See Reynolds, Dean H., assignor.)
Hobgood, Margaret, New York, N. Y. Dress ensemble. 129,231; Aug. 26.
Hoffert Machine Company. (See Hoffert, Roy G., assignor.)
Hoffert, Roy G., Racine, Wis., assignor to Hoffert Machine Company, Inc. Portable stitcher. 129,169; Aug. 26.
Hoshafian, Lucy, New York, N. Y. Dress. 129,170; Aug. 26.
Hoshafian, Lucy, New York, N. Y. Dress. 129,232; Aug. 26.
Hoshafian, Lucy, New York, N. Y. Dress. 129,233; Aug. 26.
Huppert, William, New York, N. Y., assignor to Fosgood Corporation, Leominster, Mass. Pair of sunglasses. 129,203; Aug. 26.
Hutchings, Edward W., Perry, Fla. Bottle carrier. 129,171; Aug. 26.
Jones, Llewellyn P., Philadelphia, Pa. Swaging tool. 129,149; Aug. 26.
Joyce, Faie, assignor to Joyce, Inc., Pasadena, Calif. Shoe or similar article. 129,120; Aug. 26.
Joyce, Faie, assignor to Joyce, Inc., Pasadena, Calif. Shoe or similar article. 129,121; Aug. 26.
Joyce, Faie, assignor to Joyce, Inc., Pasadena, Calif. Shoe or similar article. 129,122; Aug. 26.
Joyce, Faie, assignor to Joyce, Inc., Pasadena, Calif. Shoe or similar article. 129,123; Aug. 26.
Joyce, Inc. (See Joyce, Faie, assignor.)
Kaperst, Philip, New York, N. Y. Dress. 129,234; Aug. 26.
Kaperst, Philip, New York, N. Y. Dress. 129,235; Aug. 26.
Kaufman, Stella B., New York, N. Y. Dress ensemble. 129,124; Aug. 26.
Kenaston, Hal W., Baltimore, Md. Badge. 129,125; Aug. 26.
Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Tape serving machine. 129,126; Aug. 26.
Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Tape serving machine. 128,127; Aug. 26.
Kutscher, Michael W., Chicago, Ill. Geographic amusement game device. 129,104; Aug. 26.
Larison, Carmen, Phoenix, Ariz. Packaged skirt. 129,236; Aug. 26.
Lasley, Charles A., assignor to Beverages of America, Inc., Los Angeles, Calif. Bottle. 129,172; Aug. 26.
Leech, Aubrey B., Los Angeles, Calif. Animated display device. 129,150; Aug. 26.
Levin, Nathan, assignor of one-half to R. M. Peitzman, Trenton, N. J. Match holder. 129,173; Aug. 26.
Lewis, Florence N., New York, N. Y. Handbag. 129,151; Aug. 26.
Lubow, Charlotte S., Woodmere, assignor to Gross-Sydney, New York, N. Y. Dress. 129,174; Aug. 26.
Lubow, Charlotte S., Woodmere, N. Y. Dress. 129,237; Aug. 26.
Macy, R. H., & Co. Inc. (See Dexter, Hildreth L., assignor.)
Martin, James P. (See Beardsley, R., and Martin.)
McCandlish, Edward G., Geneva, N. Y. Roller skate. 129,175; Aug. 26.
McCormick, Mary D., Haverhill, Mass. Automobile emblem plate or similar article. 129,176; Aug. 26.
Minkoff, Edward, New York, N. Y. Coat. 129,217; Aug. 26.
Moore, Walter B., Coshocton, Ohio. Photographic developing tray or article of similar nature. 129,128; Aug. 26.
Mueller, John, Licorice Company, The. (See Schoettle, Edward L., assignor.)
Ontario Manufacturing Company. (See Downs, Marwood A., assignor.)
Otto, Ferdinand P., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa. Lace table cloth. 129,105; Aug. 26.
Owens-Illinois Glass Company. (See Fuerst, Brooks D., assignor.)
Padgett, Wilbur J., New Lexington, Ohio. Battery connector terminal. 129,204; Aug. 26.
Parfums Ciro, Inc. (See Tobias, Albert R., assignor.)
Pealer, Robert B., Garretsville, assignor to Beaver Pipe Tools, Inc., Warren, Ohio. Tool grinding machine. 129,177; Aug. 26.
Peitzman, Ralph M. (See Levin, Nathan, assignor.)
Philip, Morris, New York, N. Y. Knitted sweater. 129,178; Aug. 26.
Philippe, Alfred, New York, N. Y. Pin clip. 129,179; Aug. 26.
Philippe, Alfred, New York, N. Y. Pin clip. 129,180; Aug. 26.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,181; Aug. 26.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,182; Aug. 26.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,183; Aug. 26.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,184; Aug. 26.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,185; Aug. 26.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,186; Aug. 26.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,187; Aug. 26.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,188; Aug. 26.
Philippe, Alfred, New York, N. Y. Brooch or similar article. 129,189; Aug. 26.
Pichel, Irving, New York, N. Y. Handbag. 129,190; Aug. 26.
Pono, Marie, New York, N. Y. Dress. 129,238; Aug. 26.
Quaker Lace Company Incorporated. (See Otto, Ferdinand P., assignor.)
Renke, Natalie, New York, N. Y. Dress. 129,129; Aug. 26.
Reynolds, Dean H., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Combined tie-clip and nail file. 129,130; Aug. 26.
Reynolds, Dean H., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Combined tie-clip and nail file. 129,131; Aug. 26.
Reynolds, Dean H., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Combined tie-clip and nail file. 129,132; Aug. 26.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 129,205; Aug. 26.
Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)
Salsky, Samuel, Brooklyn, N. Y. Suit. 129,191; Aug. 26.
Samek, Emil, New Rochelle, assignor to Tailored Silk Undergarment Co. Inc., New York, N. Y. Slip. 129,107; Aug. 26.
Scharlott, Jack, New York, N. Y. Wedding gown. 129,192; Aug. 26.
Schenley Distillers Corporation. (See Du Pree, Ernest L., assignor.)
Schoettle, Edward L., assignor to The John Mueller Licorice Company, Cincinnati, Ohio. Confection. 129,133; Aug. 26.
Sears, Julius, Dearborn, Mich. Game board. 129,106; Aug. 26.
Shapiro, Nat, New York, N. Y. Dress. 129,239; Aug. 26.
Shapiro, Murray J., New York, N. Y. Dress. 129,240; Aug. 26.
Shapiro, Murray J., New York, N. Y. Dress. 129,241; Aug. 26.

Shapiro, Murray J., New York, N. Y. Dress. 129,242; Aug. 26.
Shields, Francis J., Bombay, N. Y. Slipper. 129,206; Aug. 26.
Siegel, Louis A., Mount Vernon, N. Y. Coat lining. 129,152; Aug. 26.
Sprague, Joseph A., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Camera carrying case. 129,108; Aug. 26.
Steindel, William C., Moscow, Pa. Game board. 129,153; Aug. 26.
Sternberg, Ruth, New York, N. Y. Dress. 129,243; Aug. 26.
Stulken, Charles, Oklahoma City, Okla. House door handle. 129,193; Aug. 26.
Sturtevant, Paul A., Addison, Ill. Spring tester or similar article. 129,109; Aug. 26.
Tailored Silk Undergarment Co. Inc. (See Samek, Emil, assignor.)
Talbot, Herbert R., Ridgewood, assignor to Columbia Protektosite Co., Inc., Carlstad, N. J. Transparent plastic knife. 129,134; Aug. 26.
Tetreault, Mary E., New York, N. Y. Dress. 129,244; Aug. 26.
Tobias, Albert R., Brooklyn, assignor to Parfums Ciro, Inc., New York, N. Y. Bottle. 129,194; Aug. 26.
Vacha, Norman H., Cleveland Heights, Ohio. Grille for lighting fixture. 129,135; Aug. 26.
Van Arlt, Ilse, Chicago, Ill. Sachet figurine. 129,207; Aug. 26.
Van Arlt, Ilse, Chicago, Ill. Sachet figurine. 129,208; Aug. 26.
Van Dam, David B., Brooklyn, N. Y. Toy balloon or similar article. 129,110; Aug. 26.
Walker, Joset, New York, N. Y. Dress. 129,218; Aug. 26.
Walker, Joset, New York, N. Y. Dress. 129,245; Aug. 26.
Walker, Joset, New York, N. Y. Dress. 129,246; Aug. 26.
Watson Company, The. (See Brown, William T., assignor.)
Weiser, Irving, New York, N. Y. Chenille robe. 129,195; Aug. 26.
Weinberg, Albert B., Merrick, N. Y. Dress. 129,247; Aug. 26.
Weller, George, Jr., Cincinnati, Ohio. Game board. 129,154; Aug. 26.
Wener, Emelia, Chicago, Ill. Dress ensemble. 129,219; Aug. 26.
Wener, Emelia, Chicago, Ill. Dress. 129,248; Aug. 26.
White, Josiah, 4th. (See Baker, David S., assignor.)
Wuerth, Minna, New York, N. Y. Dress. 129,220; Aug. 26.
Wuerth, Minna, New York, N. Y. Dress. 129,249; Aug. 26.
Wuerth, Minna, Elizabeth, N. J. Dress. 129,250; Aug. 26.
Young, Douglas, Inc. (See Young, Lewis D.)
Young, Lewis D., Providence, R. I., assignor to Douglas Young, Inc. Display box. 129,136; Aug. 26.
Young, Louis, New York, assignor to Young's Textile Mills, Inc., New York, N. Y. Veiling or similar article. 129,111; Aug. 26.
Young's Textile Mills, Inc. (See Young, Louis, assignor.)
Zahn, Samuel, New York, N. Y. Dress. 129,221; Aug. 26.
Zahn, Samuel, New York, N. Y. Dress. 129,251; Aug. 26.
Zavell, Arnold, New York, N. Y. Textile fabric or similar article. 129,252; Aug. 26.
Zimmerman, Samuel, New York, N. Y. Coat. 129,253; Aug. 26.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abington Textile Machinery Works. (See Goldsmith, William H., Jr., assignor.)
Abrasive Machine Tool Company. (See Cornell, Elton S., Assigned.)
Acco Products, Inc. (See Kern, Emil, assignor.)
Achs, Nicholas, assignor to F. T. Hicks, Detroit, Mich. Mechanical milk cooler. 2,253,882; Aug. 26.
Ackland, Wilbert P. (See McKinley, J. P., and Ackland.)
Acme Fishing Tool Company. (See Smith, Lonzo B., assignor.)
Adams, George R., Los Angeles, Calif. Flush lock. 2,253,547; Aug. 26.
Africa, Walter M., Manchester, N. H. Package for fishermen. 2,253,598; Aug. 26.
Air Reduction Company. (See Rooke, R. M., and Saacke, assignors.)
Aktiengesellschaft Brown, Boveri & Cie. (See Pfenninger, Hans, assignor.)
Alland, Maurice, Los Angeles, Calif. Clock and globe. 2,253,747; Aug. 26.
Allison, William L., Phoenix, Ariz. Dump truck. 2,253,548; Aug. 26.
Alsberg, Julius. (See Myers, E., Alsberg, and Gottfurcht.)
Altorfer Bros. Company. (See Castricone, John A., assignor.)
Aluminum Company of America. (See Bohn, Donald I., assignor.)
Aluminum Company of America. (See Palmer, Gerald F., assignor.)
American Brake Shoe and Foundry Company, The. (See Mantle, Burr W., assignor.)
American Cyanamid Company. (See Bradley, T. F., and Johnston, assignors.)
American Cyanamid Company. (See Heckenbleikner, Ingenuin, assignor.)
American Cyanamid Company. (See Laury, Napoleon A., assignor.)
American Cyanamid Company. (See Moore, Leonard P., assignor.)
American Cyanamid Company. (See Northey, Elmore H., assignor.)
American Cyanamid Company. (See Roblin, Richard O., Jr., assignor.)
American Hardware Corporation, The. (See Fletcher, Irving J., assignor.)
American Metal Company, The. (See Ogden, D. L., and Heberlein, assignors.)
American Optical Company. (See Goddu, Lloyd W., assignor.)
American Optical Company. (See Splaine, Edward M., assignor.)
American Smelting and Refining Company. (See Lebedeff, Yurii E., assignor.)
Ames, Frederick W., New Orleans, La. Germicide. 2,254,129; Aug. 26.
Anderson, Andrew E., Berwyn, assignor to Crane Co., Chicago, Ill. Valve. 2,253,881; Aug. 26.
Anderson, Arvid E., Philadelphia, Pa. Automatic water mop and polisher. 2,253,673; Aug. 26.
Anderson, Harry P., and F. L. Johnstone, Detroit, Mich. Double acting pump. 2,253,926; Aug. 26.
Anderson, Ralph I., Los Angeles, Calif. Tool or wrench. 2,254,130; Aug. 26.
Andres, Lloyd J., Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich. Coin actuated remote controller. 2,253,674; Aug. 26.
Andrieu, Robert, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Saw-tooth wave generator. 2,254,025; Aug. 26.
Anthony, Davis S., San Antonio, Tex. Cutoff tool and holder. 2,254,056; Aug. 26.
Anton, Kurt, Zeulenroda, assignor to Julius Römpler Aktiengesellschaft, Zeulenroda, Thuringia, Germany. Knitted elastic fabric. 2,254,131; Aug. 26.
Apex Electrical Manufacturing Company, The. (See Racklyeft, John W., assignor.)
Appleman, Wilbur R., J. T. Howes, and J. V. Dalnodar, assignors to Marathon Electric Manufacturing Corporation, Wausau, Wis. Electric motor. 2,253,599; Aug. 26.
Appleyard, George T., Winston-Salem, N. C. Drawer mounting and guide. 2,254,132; Aug. 26.
Arango, Miguel, Habana, Cuba, assignor to Petree & Dorr Engineers, Inc., New York, N. Y. Liquid clarifying apparatus. 2,253,500; Aug. 26.
Argus Motoren Gesellschaft m. b. H. (See Klaue, Hermann, assignor.)
Armstrong, Howard E., Johnson City, N. Y. Fire extinguisher. 2,253,601. Aug. 26.
Arneson, Stanley E., Milwaukee, Wis. Sanitary drinking fountain. 2,253,600; Aug. 26.
Arnl, Hans, Berlin-Charlottenburg, and H. Neugebauer, Leipzig, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Television receiving apparatus. 2,254,057; Aug. 26.
Arnold, Rousseau, Portland, Tex. Centering cage. 2,253,675; Aug. 26.
Art Metal Construction Company. (See Jones, James R., assignor.)
Askania Regulator Company. (See Ziebolz, Herbert, assignor.)
Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)
Augspurger, Otto, Rockford, Ill. Equine boot. 2,253,837; Aug. 26.
Augustine, Nathaniel W., assignor to The A. J. Miller Company, Bellefontaine, Ohio. Convertible vehicle. 2,254,193; Aug. 26.
Augustine, Nathaniel W., assignor to The A. J. Miller Company, Bellefontaine, Ohio. Convertible vehicle. 2,254,194; Aug. 26.
Austin, Cyril. (See Wright, G. M., and Austin.)
Automatic Instrument Company. (See Andres, Lloyd J., assignor.)
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,253,748; Aug. 26.
Avery, W. & T. Limited. (See Timson, William, assignor.)
Baade, Brunolf C., Dessau, Anhalt, Germany, assignor, by mesne assignments, to Wingfoot Corporation, Akron, Ohio. Engine foundation for vehicles. 2,253,676; Aug. 26.
Baker, J. E., Company. (See Hebbe, G. A., and Gibbs, assignors.)
Baker, Perkins, Inc. (See Paterson, John C., assignor.)
Bakewell, Harding F., San Marino, Calif. Internal combustion engine. 2,253,490; Aug. 26.
Bakewell, Harding F., San Marino, Calif. Threading tool. 2,253,491; Aug. 26.
Bakewell, Harding F., San Marino, Calif. Machine tool. 2,253,492; Aug. 26.
Bakewell, Harding F., San Marino, Calif. Machine tool. 2,253,493; Aug. 26.
Barber-Colman Company. (See Collins, Harold F., assignor.)
Barber-Colman Company. (See Lilja, Edgar D., assignor.)
Barbulesco, Constantin D. (See Crane, C. J., and Barbulesco.)
Barclift, Clarence I., Daytona Beach, Fla. Electric welding torch. 2,253,994; Aug. 26.
Bargen, William J., Waukegan, Ill. Adjustable desk top and book compartment. 2,254,133; Aug. 26.
Barnes, Oscar L. (See Ellingson, H., and Barnes.)
Barrett, Edward L., La Grange, assignor to Utah Radio Products Company, Chicago, Ill. Vibrator. 2,253,602; Aug. 26.
Barrow, Wilmer L., Newton, Mass., assignor to Research Corporation, New York, N. Y. Resonant antenna system. 2,253,501; Aug. 26.
Barton, Thomas E., Littleton, Colo. Blasting fuse anchor. 2,253,549; Aug. 26.
Bates, Hamilton C. (See Joslyn, Stuart S., assignor.)
Battaglia, Robert B., Lake Charles, La. Tire vulcanizing matrix. 2,253,603; Aug. 26.
Baumann, Fred W., Scotia, N. Y., assignor to General Electric Company. Inductor frequency changer. 2,253,966; Aug. 26.
Baxter, William C., Rochester, and C. T. De Puy, Brighton, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding bath stand and dressing table. 2,253,995; Aug. 26.
Beazley, Howard, Marshall, Mo. Buckle. 2,253,749; Aug. 26.
Bechman, Walter B., Montgomery, Ala. Exercising device. 2,253,996; Aug. 26.
Becker, Bernard C., deceased, Canton, Ohio, by B. Becker, executrix, York, Pa., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,253,997; Aug. 26.
Becker, Bernice, executrix. (See Becker, Bernard C.)
Beckwith, Dudley R. (See New, A. A., Beckwith, and Wiltshire.)
Beecher, Valentine, Greenville, N. Y. Beverage dispensing display bar. 2,253,883; Aug. 26.

Beecher, Valentine, Greenville, N. Y. Beverage dispensing system. 2,253,884; Aug. 26.
Beermann, Friedrich, Munich, and M. Hebel, Oberbayern, Germany. Telephone system. 2,253,998; Aug. 26.
Beier, Josef, Mannheim-Feudenheim, Germany. Friction gearing. 2,253,750; Aug. 26.
Beikirch, Edward G., assignor to J. S. Graham Company, Inc., Rochester, N. Y. Photograph mount. 2,253,751; Aug. 26.
Bell Telephone Laboratories, Incorporated. (See Blattner, David G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bowen, Arnold E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Fletcher, Harvey, assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Harrison, Henry C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Horton, Arthur W., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Melick, John M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Pearson, G. L., and Stucky, assignors.)
Bell Telephone Laboratories, Incorporated. (See Richard, Charles D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Roberts, Leland C., assignor.)
Bemis, Kenneth E., Oakland, Calif. Timing device. 2,253,752; Aug. 26.
Bendix Aviation Corporation. (See Martin, Thomas B., assignor.)
Bendix Aviation Corporation. (See Reichel, Wladimir A., assignor.)
Bendix Radio Corporation. (See Eltgroth, George V., assignor.)
Benner, Raymond C. (See Melton, R. L., Benner, and Kirchner.)
Berchtold, Edwin, Heerbrugg, Switzerland. Stereophotogrammetrical plotting apparatus. 2,253,677; Aug. 26.
Bernhardt, Rudolph, Chicago, Ill. Server or pitcher. 2,254,164; Aug. 26.
Berry, Harold O., assignor to Florence Stove Company, Gardner, Mass. Combined shade, light, and timer. 2,254,134; Aug. 26.
Berry, Russell G., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Piston. 2,254,026; Aug. 26.
Bethlehem Steel Company. (See Norbeck, Carl F., assignor.)
Bethlehem Steel Company. (See Wilson, Tom, assignor.)
Bettendorf, William E., Davenport, assignor to Micro-Westco, Inc., Bettendorf, Iowa. Bread slicing machine. 2,254,099; Aug. 26.
Biehn, John P., Gregory, S. Dak. Automobile protective screen. 2,254,137; Aug. 26.
Bigham, Robert H. (See Speed, James H., assignor.)
Bird, Whitworth F., Wallingford, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Preparation of staple fibers for spinning. 2,254,058; Aug. 26.
Bird, Whitworth F., Wallingford, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Preparation of staple fibers. 2,254,059; Aug. 26.
Black, Edward R., assignor to said E. R. Black, and J. E. and E. L. Black, co-partners, doing business as Black Systems, Chicago, Ill. Building covering. 2,253,753; Aug. 26.
Black, Elam L., et al. (See Black, Edward R., assignor.)
Black, James E., et al. (See Black, Edward R., assignor.)
Black Systems. (See Black, Edward R., assignor.)
Blackledge, Lude B., Berkeley, Calif. Brush protecting device. 2,253,678; Aug. 26.
Blain, Willard E., Van Buren, Ark. Extensible chute. 2,253,604; Aug. 26.
Blaisdell, Abram H., Long Beach, Calif. Oil metering jet for the camshafts of engines. 2,253,838; Aug. 26.
Blattner, David G., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector apparatus. 2,253,839; Aug. 26.
Bloom, Nathan P., Louisville, Ky. Game apparatus. 2,253,605; Aug. 26.
Bloxsom, Allan P., Houston, Tex. Control circuit. 2,253,840; Aug. 26.
Blum, Jack I., Mount Carmel, Pa. Display rack. 2,253,841; Aug. 26.
Blume, Louis F., Pittsfield, Mass., and S. D. Sprong, Brooklyn, N. Y., assignors to General Electric Company. Regulator system. 2,253,947; Aug. 26.
Boegehold, Alfred L., assignor to General Motors Corporation, Detroit, Mich. Malleable iron. 2,253,502; Aug. 26.
Boer, Arpad, Martinez, Argentina. Process and apparatus for separating disintegrated solid materials. 2,254,135; Aug. 26.
Bohn, Donald I., South Hills, assignor to Aluminum Company of America, Pittsburgh, Pa. Conductor clamp. 2,253,550; Aug. 26.
Bolesky, John D. (See Vaughan, V. G., and Bolesky.)
Boltz, Fred S., Mansfield, Mass. Hinge joint. 2,253,606; Aug. 26.
Bonnell, Wilbert, Elizabeth, Pa. Nut lock. 2,254,027; Aug. 26.
Bonsall, Charles D., Pittsbugh, assignor to Standard Railway Refrigerator Company, New Kensington, Pa. Refrigerant container. 2,253,679; Aug. 26.
Booge, James E., assignor to E. I du Pont de Nemours & Company, Wilmington, Del. Titanium pigment production. 2,253,551; Aug. 26.
Bound, Rowland H., Cheltenham, England, assignor to Dowty Equipment Limited. Bilaterally supported resilient wheel mounting for aircraft undercarriages. 2,253,680; Aug. 26.
Bousman, Samuel I., assignor to Western Machinery Company, San Francisco, Calif. Submersible bearing. 2,253,754; Aug. 26.
Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Generation and transmission of high frequency oscillations. 2,253,503; Aug. 26.
Bowman, Philip I., and J. Burton, Passaic, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Stabilization of the acidity of formaldehyde solutions. 2,253,999; Aug. 26.
Boyd, George A., Evanston, and C. H. Seeley, assignors to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion process. 2,253,607; Aug. 26.
Brach, E. J., & Sons. (See Melody, William, assignor.)
Bradley, Theodore F., and W. B. Johnston, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Ester complexes and producing same. 2,253,681; Aug. 26.
Brant, Gilbert W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Absorption. 2,253,755; Aug. 26.
Brassert, H. A., & Company. (See De Grave, Thomas, assignor.)
Bregou, Louis V., Worcester, Mass. Feeding device for hairpins and the like. 2,253,885; Aug. 26.
Brennan, Joseph B., Euclid, Ohio. Electrolytic device. 2,253,504; Aug. 26.
Bridgeport Brass Company. (See Broecker, Lewis C., assignor.)
Briggs & Stratton Corporation. (See Mack, Perry E., assignor.)
Bright Star Battery Company. (See Desimone, Anthony J., assignor.)
Brinck Engineering Company. (See Vermillion, Raymond H., assignor.)
Britton, Edgar C., G. H. Coleman, and J. W. Zemba, assignors to The Dow Chemical Company, Midland, Mich. Plastic product. 2,253,886; Aug. 26.
Brody, Benjamin R., New York, N. Y., assignor to Harry Rosenfeld Inc. Lady's handbag. 2,253,682; Aug. 26.
Broecker, Lewis C., assignor to Bridgeport Brass Company, Bridgeport, Conn. Valve. 2,254,000; Aug. 26.
Brooks, Clarence E., Norristown, assignor to The Philadelphia Bindery, Inc., Philadelphia, Pa. Binding tool. 2,254,165; Aug. 26.
Brosius, Robert H., Fort Wayne, Ind. Dispensing container. 2,253,887; Aug. 26.
Brotman, Hyman D., Detroit, Mich. Laundry machine. 2,253,842; Aug. 26.
Brown, Everett C., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Electric switch. 2,253,756; Aug. 26.
Brown Instrument Company, The. (See Caldwell, John A., assignor.)
Brown, Leo H., New York, N. Y. Gun sight. 2,253,948; Aug. 26.
Bruce, Donald S., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Friction element. 2,253,608; Aug. 26.
Bruns, August, Richmond Hill, N. Y. Awning. 2,253,843; Aug. 26.
Bryan, George H., assignor to Gleason Works, Rochester, N. Y. Gear cutting machine. 2,253,683; Aug. 26.
Buck, Johannes S., Bronxville, and E. J. de Beer, Tuckahoe, N. Y. Urea and thiourea derivatives. 2,254,136; Aug. 26.
Budzyna, Walter J., East Douglas, assignor to Draper Corporation, Hopedale, Mass. Filling feeler mechanism. 2,254,100; Aug. 26.
Bugatti, Ettore, Paris, France. Propeller actuated machine. 2,253,757; Aug. 26.
Bulldog Electric Products Company. (See Frank, William H., assignor.)
Bulloch, George C., Rockford, Ill. Exercising device. 2,253,758; Aug. 26.
Burasco, Henry J. (See Walters, Carroll V., assignor.)
Burch, Lyndon W., Bronxville, N. Y., assignor to The Wilcolator Company. Snap-acting device. 2,253,552; Aug. 26.
Burch, Lyndon W., Bronxville, N. Y., assignor to The Wilcolator Company. Snap-acting device. 2,253,553; Aug. 26.
Burckhalter, Robert N., assignor to Michiana Products Corporation, Michigan City, Ind. Filter. 2,253,684; Aug. 26.
Burckhalter, Robert N., assignor to Michiana Products Corporation, Michigan City, Ind. Filter. 2,253,685; Aug. 26.
Burckhalter, Robert N., assignor to Michiana Products Corporation, Michigan City, Ind. Filter. 2,253,686; Aug. 26.

Burkhalter, Robert R. (See Peterson, C. D., Zingsheim, and Burkhalter.)
Burkley, Clement J., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Making safety tubes. 2,253,759; Aug. 26.
Burnett, William, Jr., Marion, assignor to Peabody Coal Company, Chicago, Ill. Coal washing apparatus. 2,253,760; Aug. 26.
Burton, John. (See Bowman, P. I., and Burton.)
Butler, Ralph F., and O. D. Westerberg, Chicago, Ill. Controlled temperature butter dish. 2,253,927; Aug. 26.
Byron, Arthur W., Wilmington, Del., and J. Torok, Renovo, Pa. Portable car cleaning machine. 2,253,609; Aug. 26.
Calder, Eben M., Kansas City, and W. H. Witte, Avondale, Mo., assignors to General Vender Manufacturing Company. Vending apparatus. 2,253,554; Aug. 26.
Caldwell, John A., assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument. 2,253,928; Aug. 26.
Campbell, Arthur B., Thomaston, Conn., assignor to General Time Instruments Corporation, New York, N. Y. Timing mechanism. 2,253,929; Aug. 26.
Campbell, Willard S., Hampshire, assignor, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill. Conveyer. 2,253,761; Aug. 26.
Cantoni, Humbert D. J., assignor to Mawen S. A., Paris, France. Engine. 2,253,505; Aug. 26.
Carbide and Carbon Chemicals Corporation. (See Shaw, Noel, assignor.)
Carborundum Company, The. (See Melton, R. L., Benner, and Kirchner, assignors.)
Carl, Leonhard, Berlin-Friedenau, and P. Nowak, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Insulated electrical conductor. 2,253,967; Aug. 26.
Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Reversible slider for slide fasteners. 2,253,494; Aug. 26.
Carlisle Lumber Company. (See Goss, Worth C., assignor.)
Carlson, John V., assignor to Union Special Machine Company, Chicago, Ill. Tool grinding device. 2,253,687; Aug. 26.
Carlson, Oscar F., Company et al. (See Carlson, Oscar F., assignor.)
Carlson, Oscar F., Kenilworth, assignor of one-half to Oscar F. Carlson Company and one-half to E. N. McDonnell, Chicago, Ill. Pressure and temperature relief valve. 2,253,930; Aug. 26.
Carlson, Ralph G., assignor to Crane Co., Chicago, Ill. Valve. 2,253,888; Aug. 26.
Carpenter, Wesley C., Grafton, assignor to F. M. Slough, Cleveland, Ohio. Window catch. 2,254,167; Aug. 26.
Carroll, Elbert H., West Boylston, Mass. Ski harness. 2,253,889; Aug. 26.
Carroll, Elbert H., West Boylston, Mass. Ski harness. 2,253,890; Aug. 26.
Carswell, Thomas S., Longmeadow, and H. K. Nason, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Control of slime and algae. 2,253,762; Aug. 26.
Carter Carburetor Corporation. (See Berry, Russell G., assignor.)
Carter, Peter G., Manchester, England, and J. L. Grieve, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Nitro-amino-pyrenes and making same. 2,253,555; Aug. 26.
Cassavant, John A., McLean, N. Y. Educational transit device. 2,253,844; Aug. 26.
Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)
Castricone, John A., assignor to Altorfer Bros. Company, Peoria, Ill. Cover for ironer rolls and beds. 2,253,949; Aug. 26.
Castricone, John A., assignor to Altorfer Brothers Company, Peoria, Ill. Automatic ironing shoe reset. 2,253,950; Aug. 26.
Castricone, John A., Peoria, Ill. Ironer. 2,254,166; Aug. 26.
Caterpillar Tractor Co. (See Wold, C. O., and Gustafson, assignors.)
Celanese Corporation of America. (See Moncrieff, R. W., and Cooke, assignors.)
Cheatham Electric Switching Device Co. (See Brown, Everett C., assignor.)
Cherry-Burrell Corporation. (See Campbell, Willard S., assignor.)
Cheston, Arthur S., assignor of one-half to H. L. Sleigh, Birmingham, England. Glazing windows. 2,254,028; Aug. 26.
Chicago Coin Machine Mfg. Co. (See Livingston, Callard, assignor.)
Chicago Forging & Manufacturing Company. (See Peterson, Arthur E., assignor.)
Chinoin Gyogyszer És Vegyészeti Termékek Gyára R. T. Dr. Kereszty & Dr. Wolf. (See Weisz, Rezsö, assignor.)
Chladek, Wilhelm, Berlin-Pankow, and J. Galler, Berlin-Spandau, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Spindle press drive. 2,254,029; Aug. 26.
Christensen, Martin, Milwaukee, Wis. Signature handling machine. 2,253,556; Aug. 26.
Churchill, Leonard R. (See Schott, J. E., and Churchill.)
Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., and Fischer, assignors.)
Cicin, Paul, Vienna, Germany. Stepless mechanical torque converter. 2,254,195; Aug. 26.
Cincinnati Grinders Incorporated. (See Decker, J., and Ernst, assignors.)
Cincinnati Grinders Incorporated. (See Herfurth, C., and Wortendyke, assignors.)
Cincinnati Grinders Incorporated. (See Schulte, C. L., and Graf, assignors.)
Clark, Frank M., Pittsfield. Mass., assignor to General Electric Company. Electrolyte composition. 2,253,506; Aug. 26.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electrolytic capacitor and impregnant therefor. 2,253,507; Aug. 26.
Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Refining animal and vegetable oils. 2,254,101; Aug. 26.
Clayton, Ralph S., Wichita, Kans. Absorption refrigeration process. 2,253,892; Aug. 26.
Clayton, Ralph S., Wichita, Kans. Combination pressure and absorption type refrigeration device. 2,253,893; Aug. 26.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Overdrive control. 2,254,115; Aug. 26.
Clickner, George L., Casper, Wyo. Camshaft bearing tool. 2,253,845; Aug. 26.
Coca-Cola Company, The. (See Reynolds, James H., assignor.)
Coderre, Patrick E. E., Port Chester, N. Y. Toy snow train. 2,253,610; Aug. 26.
Coleman, Gerald H. (See Britton, E. C., Coleman, and Zemba.)
Collins & Aikman Corporation. (See Bird, Whitworth F., assignor.)
Collins, Edwin D., Lima, Ohio. Bait carrier. 2,253,688; Aug. 26.
Collins, Harold F., assignor to Barber-Colman Company, Rockford, Ill. Combined limit switch and relay. 2,253,557; Aug. 26.
Colomb, Henri, Lausanne, Switzerland. Watch movement. 2,253,763; Aug. 26.
Conaway, Rollin F., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Textile process. 2,254,001; Aug. 26.
Condon, Elmer J., assignor to The Moore Company, Muncie, Ind. Display stand. 2,253,764; Aug. 26.
Continental Aviation and Engineering Corporation. (See Kinnucan, James W., assignor.)
Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Electric switch. 2,253,968; Aug. 26.
Cooke, Albert W. M. (See Moncrieff, R. W., and Cooke.)
Cooper, Robert G. (See Sinclair, H., and Cooper.)
Cooper, Robert J., and E. D. O'Brien, San Francisco, Calif. Belt elevator. 2,254,116; Aug. 26.
Cordrey, Hancil, and W. J. Duvall, Chula Vista, assignors to Peabody-Acker, Inc., Los Angeles, Calif. Sliding door lock. 2,253,495; Aug. 26.
Cordrey, Hancil, and W. J. Duvall, Chula Vista, assignors to R. L. Long, San Diego, Calif. Sliding door lock and finger grip. 2,253,496; Aug. 26.
Cornell, Elton S., assignor to Abrasive Machine Tool Company, East Providence, R. I. Machine tool and dust guard therefor. 2,253,846; Aug. 26.
Cox, John R., assignor to Thompson Products, Inc., Cleveland, Ohio. Machine for making clinch nuts. 2,253,765; Aug. 26.
Crane, Carl J., U. S. Army, Shreveport, La., and C. D. Barbulesco, Yellow Springs, Ohio. Navigation system for guiding aircraft. 2,253,508; Aug. 26.
Crane Co. (See Anderson, Andrew E., assignor.)
Crane Co. (See Carlson, Ralph G., assignor.)
Crickmer, Charles S., assignor to Merla Tool Company, Dallas, Tex. Packing element. 2,254,060; Aug. 26.
Crickmer, Charles S., assignor to Merla Tool Corporation, Dallas, Tex. Adjustable kickoff valve. 2,254,061; Aug. 26.
Croft, Hiram D., Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Washing machine drive. 2,253,894; Aug. 26.
Crowell, William de F., St. Louis, Mo. Eye protecting means for vehicles. 2,253,766; Aug. 26.
Crown Cork & Seal Company. (See Palewick, F., Drescher and Rosentreter, assignors.)
Crown Cork and Seal Company. (See Shurley, Frederick, assignor.)
Crown Zellerbach Corporation. (See West, W. H., and Moore, assignors.)
Crum, Emma W., Poughkeepsie, N. Y. Bell cord and receptacle holder. 2,253,847; Aug. 26.
Cruse, Don E., Fort Wayne, Ind., assignor to E. Edelmann & Co., Chicago, Ill. Connector for hydrometers. 2,254,102; Aug. 26.
Cummings, James D., Houston, Tex., assignor to Johns-Manville Corporation, New York, N. Y. Pipe covering machine. 2,253,848; Aug. 26.

Cummings, James D., Houston, Tex., assignor to Johns-Manville Corporation, New York, N. Y. Pipe wrapping machine. 2,253,891; Aug. 26.
Curtin, George M., Gloversville, N. Y. Apparatus for sueding cloth. 2,253,558; Aug. 26.
Curtin, George M., Gloversville, N. Y. Machine for sueding cloth. 2,253,559; Aug. 26.
Cutler-Hammer, Inc. (See Mekelburg, Harold L., assignor.)
Daimler-Benz Aktiengesellschaft. (See Wagner, Max, assignor.)
Dale, Colin B., Oak Park, assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Pail or container. 2,254,168; Aug. 26.
Dalley, Charles J., Maplewood, N. J. Shears. 2,253,689; Aug. 26.
Dalnodar, John V. (See Appleman, W. R., Howes, and Dalnodar.)
Dalrymple, William P., Elma, N. Y. Filter. 2,253,690; Aug. 26.
Daneman, Alfred S. (See Fitzgerald, John R., assignor.)
Darling, Frank L., Hollywood, Calif., assignor to Wingfoot Corporation, Wilmington, Del. Hose clamp. 2,253,691; Aug. 26.
Dathe, Max. (See Lucas, H., and Dathe.)
Davies, Thomas E., Nemacolin, Pa. Trolley pole actuator. 2,253,767; Aug. 26.
Davis, Walter T., assignor to Wheeling Stamping Company, Wheeling, W. Va. Apparatus for molding of plastic articles. 2,253,611; Aug. 26.
Davis, William R. (See Klemm, Hanns, assignor.)
Dawihl, Walther, Kohlhasenbruck, near Berlin, and A. Fehse, Berlin, Germany, assignors to General Electric Company. Hard metal alloy for structures operating under pressure and/or sliding motion. 2,253,969; Aug. 26.
De Beer, Edwin J. (See Buck, J. S., and de Beer.)
Decker, Jacob, and H. Ernst, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,254,002; Aug. 26.
De Grave, Thomas, assignor to H. A. Brassert & Company, Chicago, Ill. Filter construction. 2,253,692; Aug. 26.
De Lacy-Mulhall, Katherine. (See De Lacy-Mulhall, Patrick, assignor.)
De Lacey-Mulhall, Patrick, Los Angeles, Calif., deceased, assignor to K. De Lacy-Mulhall, widow of P. De Lacy-Mulhall, by court order and decree. Sprinkler head. 2,253,979; Aug. 26.
De Marco, Louis, Cleveland, Ohio. Combined washing and rinsing machine. 2,254,003; Aug. 26.
Denovich, Robert, Barberton, Ohio. Wrench. 2,253,895; Aug. 26.
De Puy, Charles T., Brighton, assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Folding dressing table. 2,254,004; Aug. 26.
De Puy, Charles T. (See Baxter, W. C., and De Puy.)
Deremer, Floyd E., Detroit, Mich. Muffler. 2,253,693; Aug. 26.
Desautels, Charles H., Springfield, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Machine for making tire casings. 2,253,896; Aug. 26.
Desimone, Anthony J., Lyndhurst, assignor to Bright Star Battery Company, Clifton, N. J. Flashlight. 2,253,951; Aug. 26.
Desimone, Anthony J., Lyndhurst, assignor to Bright Star Battery Company, Clifton, N. J. Flashlight. 2,253,952; Aug. 26.
Detrick, Stanley R., and K. C. Johnson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of halogenated phthalocyanines. 2,253,560; Aug. 26.
Detroit Brass & Malleable Works. (See Fisher, John L., assignor.)
Devol, Manson L., Penn Township, Allegheny County, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Polish meter. 2,254,062; Aug. 26.
Devor, Don S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Bumper structure. 2,253,931; Aug. 26.
Dickinson, Edgar D., Beverly, Mass., assignor to General Electric Company. Turbine driven gear arrangement and the like. 2,253,970; Aug. 26.
Dieselair Corporation. (See Dressler, Adolph C., assignor.)
Dietzgen, Eugene, Co. (See Langsner, Adolph, assignor.)
Dillon, John H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Spark plug and making same. 2,254,169; Aug. 26.
Dillon, John H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Producing metals having radioactivity. 2,254,170; Aug. 26.
Dillon, John H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Radioactive alloy. 2,254,171; Aug. 26.
Doderer, Wilhelm, Vienna, Germany. Contrivance for treating materials within a gas atmosphere of increased pressure. 2,253,897; Aug. 26.
Dodge Manufacturing Corporation. (See Nylin, Nels E., assignor.)
Dodge, Michael A., Detroit, Mich. Curtain rod support. 2,253,898; Aug. 26.
Dodge, William A., administrator. (See Puppe, Heinz.)
Dodge, William P., Erie, Pa., assignor to General Electric Company. Food storage receptacle. 2,253,971; Aug. 26.
Dodson, Howard W., assignor, by mesne assignments, to United Steel Barrel Company, Philadelphia, Pa. Closure device for container openings. 2,254,005; Aug. 26.
Donavan, Cornelius A. (See McCarty, Madison P., assignor.)
Dopson, John E., Jacksonville, Ga. Clamp for wire fabric stretchers. 2,253,768; Aug. 26.
Dorr Company, The. (See Fischer, Anthony J., assignor.)
Dorr Company, The. (See Weber, William C., assignor.)
Dort, Walter C., Buffalo, N. Y. Cleaning device for liquid supply tanks. 2,253,509; Aug. 26.
Douglas, James K., Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis. Differential pump. 2,254,103; Aug. 26.
Dow Chemical Company, The. (See Britton, E. C., Coleman, and Zemba, assignors.)
Dow Chemical Company, The. (See Phillips, W. D., and Van Fossen.)
Dow, Harry E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Pulley. 2,253,612; Aug. 26.
Dow, Orville E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Short wave radio apparatus. 2,253,849; Aug. 26.
Dowty Equipment Limited. (See Bound, Rowland H., assignor.)
Drake, Frederick A., Brooklyn, N. Y. Electric train. 2,254,063; Aug. 26.
Draper, Charles S., Boston, Mass., assignor to Research Corporation, New York, N. Y. Vibration measuring apparatus. 2,254,172; Aug. 26.
Draper Corporation. (See Budzyna, Walter J., assignor.)
Drawz, Roy E., Minot, N. Dak. Stoker. 2,253,694; Aug. 26.
Drescher, Max. (See Palewick, F., Drescher, and Rosentreter.)
Dressler, Adolph C., assignor to Dieselair Corporation, Miami, Okla. Head for engine breather systems. 2,254,064; Aug. 26.
Dube, John E., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Pressure gauge. 2,253,769; Aug. 26.
Duemler, Samuel O., Pacific Beach, Calif. Motor mower. 2,253,899; Aug. 26.
Duffy, James T. Jr., assignor to Read Machinery Co., Inc., York, Pa. Continuously manufacturing bread. 2,253,770; Aug. 26.
Dulaney, Paul L., assignor to The Huenefeld Co., Cincinnati, Ohio. Apparatus for fabricating thermoelectric generators. 2,253,771; Aug. 26.
Dunbar, James Y., assignor to Johns-Manville Corporation, New York, N. Y. Acoustical assembly. 2,253,953; Aug. 26.
Dunham, George S., Ardmore, Pa., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del. Catalytic apparatus. 2,253,510; Aug. 26.
Du Pont, E. I., de Nemours & Company. (See Booge, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Brant, Gilbert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Conaway, Rollin F., assignor.)
Du Pont, E. I., du Nemours & Company. (See Detrick, S. R., and Johnson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Loder, Donald J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stevens, P. G., and Turner, assignors.)
Du Pont, E. I., de Nemours & Company. (See Straughn, William D. R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sullivan, Roy W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wood, Howard J., assignor.)
Durant, Lyndon A., assignor to R. T. Moloney, Chicago, Ill. Ball rolling game. 2,253,695; Aug. 26.
Duryea, O. C., Corporation. (See Duryea, Otho C., assignor.)
Duryea, Otho C., Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del. Car construction. 2,254,138; Aug. 26.
Duvall, Walter J. (See Cordrey, H., and Duvall.)
Edelmann, E., & Co. (See Cruse, Don E., assignor.)
Edgren, Fred E., Chicago, Ill. Paper hanger's table. 2,253,772; Aug. 26.
Edison, Thomas A., Incorporated. (See La Forest, Louis Z., assignor.)
Edwards, Herbert C., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel pump. 2,254,174; Aug. 26.
Eisenman, Louis, Brooklyn, N. Y. Hair curler. 2,254,139; Aug. 26.
Eitzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Paper treating machine. 2,253,511; Aug. 26.

Electric Auto-Lite Company, The. (See Kupferschmid, Frohman, assignor.)
Electric & Musical Industries Limited. (See Faudel, Charles L., assignor.)
Electric & Musical Industries Limited. (See Klatzow, Leonard, assignor.)
Electric & Musical Industries Limited. (See Percival, William S., assignor.)
Electric Furnace Company, The. (See Vaughan, Arthur H., assignor.)
Electric Storage Battery Company, The. (See Petrosky, George E., assignor.)
Elevator Safety Corporation. (See Spiro, Walter, assignor.)
Ellingson, Hans, and O. L. Barnes, Hamilton, Ohio. Lawn mower. 2,253,900; Aug. 26.
Elliott, Nelson, New Westminster, British Columbia, Canada. Ignition assembly. 2,253,613; Aug. 26.
Eltgroth, George V., Chicago, Ill., assignor to Bendix Radio Corporation, Baltimore, Md. Cam angle tester. 2,254,175; Aug. 26.
Engel, Kurt, St. Louis, Haut-Rhin, France, and K. Pfaehler, assignors to The J. R. Geigy A. G., Basel, Switzerland. Treating, especially softening, cellulosic textile materials. 2,253,773; Aug. 26.
Eppler, Christian L., assignor to Midwest Tool & Manufacturing Company, Detroit, Mich. Sheave. 2,253,774; Aug. 26.
Epstein, Chester H., Highland Park, and N. R. Gotthoffer, assignors to Grayslake Gelatin Co., Grayslake, Ill. Gelatin milk dessert composition and preparing the same. 2,253,614; Aug. 26.
Ericson, George R., Kirkwood, Mo. Internal combustion engine. 2,254,173; Aug. 26.
Ernst, Hans. (See Decker, J., and Ernst.)
Esch, Rudolf E. (See Robinson, J., and Esch.)
Ewerth, Anton G., Stocksund, assignor to E. W. W. H. Von Geijer, Stockholm, Sweden. Sowing machine. 2,254,065; Aug. 26.
Exline, Paul G., O'Hara Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for testing well samples. 2,254,006; Aug. 26.
Falge, Robert N., and G. W. Onksen, Jr., Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Head lamp. 2,253,615; Aug. 26.
Falge, Robert N., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Head lamp mounting (bulb mounting). 2,253,616; Aug. 26.
Fall, Albert P., Toledo, Ohio. Piston skirt expander. 2,254,030; Aug. 26.
Farnsworth, Philo T., Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Image analyzing system. 2,254,140; Aug. 26.
Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)
Faudell, Charles L., Stoke Poges, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Relaxation oscillation generator. 2,254,031; Aug. 26.
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Fauth, Philipp L., Wiesbaden-Dotzheim, Germany, deceased; W. Fauth, administrator. Extraction of oil seeds. 2,253,696; Aug. 26.
Fauth, Wilhelm, administrator. (See Fauth, Philipp L., assignor.)
Feehner, Fritz W., Hamburg, and R. Wussow, Berlin-Charlottenburg, Germany. Apparatus for the production of ice. 2,253,512; Aug. 26.
Federal Products Corporation. (See Newberry, Barnes, assignor.)
Feedrail Corporation. (See Glasgow, Ernest M., assignor.)
Feedrail Corporation. (See Horn, Emil A., assignor.)
Fehse, Adolf. (See Dawihl, W., and Fehse.)
Ferguson, Alexander, Richardson Park, Del. Carburetor. 2,253,901; Aug. 26.
Fides Gesellschaft für die Verwaltung und Verwertung von Gewerblichen Schutzrechten mit beschränkter Haftung. (See Müller, Heinz O., assignor.)
Firestone Tire & Rubber Company, The. (See Dillon, John H., assignor.)
Fisher, John L., Trenton, assignor to Detroit Brass & Malleable Works, Detroit, Mich. Threading apparatus. 2,254,032; Aug. 26.
First National Bank of Bartlesville, administrator. (See Frey, F. E., Snow, and Fitch.)
Fischer, Albert C., Chicago, Ill. Self-conditioning expansion joint. 2,253,513; Aug. 26.
Fischer, Anthony J., Flushing, assignor to The Dorr Company, Inc., New York, N. Y. Liquid clarification apparatus. 2,254,176; Aug. 26.
Fischer, Werner. (See Miescher, K., and Fischer.)
Fisher Furnace Company. (See Hoke, Kenneth D., assignor.)
Fisher, Thomas W., Columbus Grove, Ohio. Fountain toothbrush. 2,253,514; Aug. 26.
Fisher, Walter E., Wichita, Kans. Auxiliary left foot throttle for motor-driven vehicles. 2,253,850; Aug. 26.
Fitch, Louis H., Jr. (See Frey, F. E., Snow, and Fitch.)
Fitzgerald, John R., Columbus, assignor to A. S. Daneman, Dayton, Ohio. Making photographic screen stencils. 2,254,033; Aug. 26.
Flaherty, Harold J., Saugus, Mass., assignor to General Electric Company. Luminaire. 2,253,972; Aug. 26.
Fletcher, Harvey, Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound recording system. 2,254,034; Aug. 26.
Fletcher, Irving J., assignor to The American Hardware Corporation, New Britain, Conn. Lock. 2,254,007; Aug. 26.
Flint, Eaton & Company. (See Taylor, Guy C., assignor.)
Florence Stove Company. (See Berry, Harold O., assignor.)
Fluegel, John, Kansas City, Mo. Permanent waving device. 2,253,973; Aug. 26.
Fonder, John F., et al. (See Hoyt, John A., assignor.)
Fowler, Harlan D., San Diego, Calif. Aileron. 2,254,196; Aug. 26.
Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,254,067; Aug. 26.
Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Continuous outlet system. 2,254,068; Aug. 26.
Frazier, Kenneth L. (See Watterson, Wilfred Q., assignor.)
Frederick Post Company, The. (See Hinman, W. M., and Hollmann, assignors.)
French, Roger, Manchester, England. Ladder webbing. 2,254,008; Aug. 26.
Frey, Frederick E., and R. D. Snow, and L. H. Fitch, Jr., deceased, Bartlesville, by First National Bank of Bartlesville, administrator, assignor to Phillips Petroleum Company, Bartlesville, Okla. Polymerization products containing sulphur dioxide and producing the same. 2,253,775; Aug. 26.
Frigie Corporation of America. (See Loewenstein, Ludwig, assignor.)
Frutchey, Raymond, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Core removing device. 2,253,851; Aug. 26.
Fulton Sylphon Company, The. (See Dube, John E., assignor.)
Furumo, John S. (See Wetzel, T. A., and Furumo.)
Galler, Josef. (See Chladek, W., and Galler.)
Garcia, Francisco, San Antonio, Tex. Covered vessel. 2,254,141; Aug. 26.
Garfield, Joseph, and H. L. Simon, Chicago, Ill. Tufting machine. 2,254,035; Aug. 26.
Gaso Equipment Co. (See Stoneberg, Fred, assignor.)
Gaunt, Ray B., Kansas City, Mo. Deep well apparatus. 2,253,776; Aug. 26.
Geigy, J. R., A. G. (See Engel, K., and Pfaehler, assignors.)
General Electric Company. (See Baumann, Fred W., assignor.)
General Electric Company. (See Blume, L. F., and Sprong, assignors.)
General Electric Company. (See Carl, L., and Nowak, assignors.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See Cook, Leonard W., assignor.)
General Electric Company. (See Dawihl, W., and Fehse, assignors.)
General Electric Company. (See Dickinson, Edgar D., assignor.)
General Electric Company. (See Dodge, William P., assignor.)
General Electric Company. (See Flaherty, Harold J., assignor.)
General Electric Company. (See Meriwether, Irby A., assignor.)
General Electric Company. (See Parker, Benjamin H., assignor.)
General Electric Company. (See Puppe, Heinz, assignor.)
General Electric Company. (See Shanklin, George B., assignor.)
General Electric Company. (See Skinner, Charles K., assignor.)
General Electric Company. (See Stonehill, Cyrus, assignor.)
General Electric Company. (See Vance, Paul A., assignor.)
General Electric Company. (See Van Nest, Francis H., assignor.)
General Electric Company. (See Wardwell, George W., Jr., assignor.)
General Motors Corporation. (See Boegehold, Alfred L., assignor.)
General Motors Corporation. (See Claytor, Edward M., assignor.)
General Motors Corporation. (See Falge, Robert N., assignor.)
General Motors Corporation. (See Falge, R. N., and Onksen.)
General Motors Corporation. (See Jacobs, James W., assignor.)

General Motors Corporation. (See Keller, Clarence J., assignor.)
General Motors Corporation. (See Sahlin, H., and Young, assignors.)
General Motors Corporation. (See Simpson, Emory G., assignor.)
General Motors Corporation. (See Smith, Emil F., assignor.)
General Motors Corporation. (See Tell, William J., assignor.)
General Motors Corporation. (See Werner, Calvin J., assignor.)
General Motors Corporation. (See Whitney, Douglas B., assignor.)
General Refractories Company. (See Heuer, Russell P., assignor.)
General Refractories Company. (See Miller, F. M., Shape, and Walker, assignors.)
General Time Instruments Corporation. (See Campbell, Arthur B., assignor.)
Geissler, William E. (See Weber, W. C., and Geissler.)
General Vender Manufacturing Company. (See Calder, E. M., and Witte, assignors.)
Genesy, Paul, Berkeley, assignor of one-third to Jenkel-Davidson Optical Company, San Francisco, Calif. Die for molding or casting optical lenses. 2,253,697; Aug. 26.
Getchell, Raymond E., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Pulley construction. 2,254,177; Aug. 26.
Gibbs, Ralph E. (See Hebbe, G. A., and Gibbs.)
Gibson Electric Refrigerator Corporation. (See Norberg, Oscar E., assignor.)
Gibson Electric Refrigerator Corporation. (See Rutenber, Edwin A., assignor.)
Gilkerson, Alva W., Beaumont, Tex. Swiveled coupling. 2,253,932; Aug. 26.
Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)
Gipson, Allen, New York, N. Y. Convertible table. 2,253,777; Aug. 26.
Glasgow, Ernest M., Towaco, N. J., assignor to Feedrail Corporation, New York, N. Y. Electric trolley construction. 2,254,142; Aug. 26.
Gleason Works. (See Bryan, George H., assignor.)
Glickston, Samuel W., Rockville Centre, assignor to M. Mayer, New York, N. Y. Swab making machine. 2,253,852; Aug. 26.
Glidden Company, The. (See Heberer, Albert J., assignor.)
Goddu, Lloyd W., assignor to American Optical Company, Southbridge, Mass. Lens blocking device. 2,253,954; Aug. 26.
Goldsmith, William H., Jr., Brookline, assignor to Abington Textile Machinery Works, Boston, Mass. Apparatus for receiving strippings of cotton and the like. 2,253,698; Aug. 26.
Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
Goodrich, B. F., Company, The. (See Martin, Frederick H., assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Goodrich, B. F., Company, The. (See Wellman, Victor E., assignor.)
Goodson, James C., Atlanta, Ga. Cigarette extinguisher construction. 2,253,778; Aug. 26.
Gordon, Pauline Z., New York, N. Y. Lady's undergarment. 2,253,902; Aug. 26.
Goss, Worth C., Seattle, assignor to Carlisle Lumber Company, Onalaska, Wash. Method and apparatus for making fuel briquettes. 2,253,699; Aug. 26.
Gottfurcht, Adolph. (See Myers, E., Alsberg, and Gottfurcht.)
Gotthoffer, Nathan R. (See Epstein, C. H., and Gotthoffer.)
Gould & Eberhardt. (See Zimmermann, William F., assignor.)
Graf, Andrew J. (See Schulte, C. L., and Graf.)
Graham, J. S., Company. (See Beikirch, Edward G., assignor.)
Graham, J. S., Company. (See Sames, August C., assignor.)
Graham, Paul S., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switchboard wiring. 2,253,700; Aug. 26.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase control. 2,254,036; Aug. 26.
Grayslake Gelatin Co. (See Epstein, C. H., and Gotthoffer, assignors.)
Grieve, John L. (See Carter, P. G., and Grieve.)
Griffith, Raymond C., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,253,617; Aug. 26.
Grob, Benjamin and T., Grafton, Wis. Band saw. 2,253,515; Aug. 26.
Grob, Theodore. (See Grob, Benjamin and T.)
Grover, Elliott E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,253,618; Aug. 26.
Gruber, Morris M., New York, N. Y., and G. J. Saliba, Englewood, N. J., assignors to Presto Recording Corporation, New York, N. Y. Two-speed drive for turntables. 2,254,066; Aug. 26.
Grünbaum, Heinrich, Berlin-Lankwitz, Germany. Apparatus for measuring the length of strip material. 2,253,701; Aug. 26.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation. Distance determining system. 2,253,975; Aug. 26.
Guanella, Gustave, Zurich, Switzerland, assignor to Radio Patents Corporation. Electrical oscillation translating system. 2,253,976; Aug. 26.
Guild, Theodore P., Providence, R. I., assignor to Monowatt Electric Corporation. Paper container. 2,253,974; Aug. 26.
Gulf Research & Development Company. (See Exline, Paul G., assignor.)
Gurley, Arnold M., Fort Worth, Tex. Hydraulic pumping unit for deep wells. 2,253,780; Aug. 26.
Gustafson, Carl A. (See Wold, C. O., and Gustafson.)
Gutiérrez, Julián, Habana, Cuba. Fountain applicator. 2,253,779; Aug. 26.
Haantjes, Johan, and B. D. H. Tellegen, Eindhoven, Netherlands. Superheterodyne receiving circuit. 2,253,853; Aug. 26.
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Cam actuated machine. 2,253,619; Aug. 26.
Haase, Jorgen I., W. W. McMahan, and C. J. Reese, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Tire building apparatus and building tires. 2,253,781; Aug. 26.
Hackett Brass Foundry Company. (See Kline, Frank W., assignor.)
Hagemeyer, Henry F., Chicago, Ill., assignor to Castings Patent Corporation. Mold. 2,253,903; Aug. 26.
Haldeman, James F., Martinsville, Ind. Aerating and filtering device for aquariums. 2,253,516; Aug. 26.
Hall, Charles E., assignor of one-half to C. L. House, Sonora, Calif. Nonglare headlight. 2,253,933; Aug. 26.
Hall, Preston M., Worcester, Mass. Welding machine. 2,253,702; Aug. 26.
Hammond Instrument Company. (See Hammond, L., and Stephens, assignors.)
Hammond, Laurens, Chicago, and G. H. Stephens, Glencoe, assignors to Hammond Instrument Company, Chicago, Ill. Keyboard for electrical musical instruments. 2,253,782; Aug. 26.
Handley, Ernest W., Arlington, and Walter G. Segerstrom, Somerville, assignors to Trimount Coin Machine Company, Boston, Mass. Vending machine. 2,253,854; Aug. 26.
Harback, George, Denver, Colo., deceased; M. C. Harbach, administratrix. Cleaning pans. 2,253,855; Aug. 26.
Harback, Mable C., administratrix. (See Harback, George, assignor.)
Harden, George N., Marion, Ohio, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Deck lid support. 2,253,561; Aug. 26.
Harding, Brooks B., Freeport, N. Y. Siphoning coffee maker. 2,253,783; Aug. 26.
Harris, Frank T., Lodi, Calif. Siphon breaking valve. 2,254,069; Aug. 26.
Harris, Morton, New Haven, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of polymerizable hydrocarbons. 2,253,934; Aug. 26.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,253,856; Aug. 26.
Harrison, Henry C., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polarized relay. 2,254,037; Aug. 26.
Harrison, Thomas J., et al. (See Peyton, Edward S., assignor.)
Harrison, Thomas J., et al. (See Rossi, Fred, assignor.)
Harstick, William H., Milwaukee, Wis., assignor to International Harvester Company. Valve structure. 2,253,703; Aug. 26.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Rail anchor. 2,253,704; Aug. 26.
Haug, Wilhelm, assignor to Kupfer-Asbest-Co. Gustav Bach, Heilbronn-on-the-Neckar, Germany. Packing ring. 2,253,904; Aug. 26.
Hawaiian Pineapple Company. (See Wood, David K., assignor.)
Hazeltine Corporation. (See Wilson, John C., assignor.)
Heatwole, Floyd E., Arlington, Va. Accessory. 2,254,143; Aug. 26.
Hebbe, Gustav A., and R. E. Gibbs, assignors to J. E. Baker Company, York, Pa. Magnesia coated refractory particles and the preparation thereof. 2,253,955; Aug. 26.
Hebel, Martin. (See Beermann, F., and Hebel.)
Heberer, Albert J., Maywood, Ill., assignor to The Glidden Company, Cleveland, Ohio. Protein composition. 2,253,517; Aug. 26.
Heberlein, Max F. W. (See Ogden, D. L., and Heberlein.)
Heckenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Symmetrical di-2-octyl guanidine. 2,254,009; Aug. 26.

Hedding, Linnie K., Swissvale, and P. S. Johnson, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Electrical regulating apparatus. 2,253,705; Aug. 26.

Hedstrom, Knute W., assignor to Hedstrom-Union Company, Gardner, Mass. Velocipede. 2,253,857; Aug. 26.

Hedstrom-Union Company. (See Hedstrom, Knute W., assignor.)

Herfurth, Charles, and R. D. Wortendyke, assignors to Cincinnati Grinders Incorporated. Cincinnati, Ohio. Grinding machine. 2,254,010; Aug. 26.

Herman, Charles. (See Jones, C., and Herman.)

Hess, Louis E., San Antonio, Tex., assignor to Joe Lowe Corporation, New York, N. Y. Treating egg whites. 2,253,518; Aug. 26.

Heuer, Russell P., Bryn Mawr, Pa., assignor to General Refractories Company. Chrome refractory brick and the manufacture thereof. 2,253,620; Aug. 26.

Heyden Chemical Corporation. (See Bowman, P. I., and Burton, assignors.)

Hicks, Frederick T. (See Achs, Nicholas, assignor.)

Hicks, William M., Cincinnati, Ohio. Replacement shade structure. 2,253,519; Aug. 26.

Hicks, William M., Cincinnati, Ohio. Clutch type roller shade. 2,253,520; Aug. 26.

Higgins, Andrew J., assignor to Higgins Industries, Inc., New Orleans, La. Engine control for marine engines. 2,254,144; Aug. 26.

Higgins Industries, Inc. (See Higgins, Andrew J., assignor.)

Hill, James L., Chorley, England. Washing machine. 2,254,145; Aug. 26.

Hill, Wallace C., Pomona, Calif. Apparatus for treating fruits and vegetables. 2,253,784; Aug. 26.

Hillis, David R., assignor, by mesne assignments, to Hydraulic Devices, Inc., Detroit, Mich. Fluid distributing system. 2,253,785; Aug. 26.

Hinman, Walker M., Winnetka, and W. G. Hollmann, assignors to The Frederick Post Company, Chicago, Ill. Photosensitive transparency. 2,253,562; Aug. 26.

Hipple, James L., Canton, Ill., assignor to International Harvester Company. Planting attachment. 2,253,706; Aug. 26.

Hitchcock, Harold W., Apponaug, R. I., assignor to Universal Winding Company, Boston, Mass. Tension device. 2,253,521; Aug. 26.

Hitchcock, Harold W., Apponaug, R. I., assignor to Universal Winding Company, Boston, Mass. Tension device. 2,253,522; Aug. 26.

Hoch, Louis, New York, N. Y. Mounting for tables for sewing machines. 2,253,935; Aug. 26.

Hoffman Specialty Company. (See Simpson, William K., assignor.)

Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Chaser tripping means. 2,253,523; Aug. 26.

Hoke, Kenneth D., assignor to Fisher Furnace Company, Chicago, Ill. Crucible furnace. 2,253,707; Aug. 26.

Holbro, Theodor. (See Kern, W., Hoibro, and Tobler.)

Holcombe, Homer H., Columbus, Ga., assignor to Textile Equipment, Inc. Bunch builder. 2,254,178; Aug. 26.

Hollander, Joseph J., Chicago, Ill. Tonsorial device. 2,253,786; Aug. 26.

Hollmann, Walter G. (See Hinman, W. M., and Hollmann.)

Holman, Paul R., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Detachable wheel. 2,253,708; Aug. 26.

Holmes, Henry H., and J. C. H. Hurd, assignors to Wildt and Company Limited, Leicester, England. Knitted fabric. 2,254,146; Aug. 26.

Holmes, James F. (See Ness, W. H. C., and Holmes.)

Hoover Company, The. (See Becker, Bernard C., assignor.)

Hope, Samuel N., Wauwatosa, Wis., assignor to Lily-Tulip Cup Corporation, New York, N. Y. Cup dispensing cabinet. 2,254,038; Aug. 26.

Horn, Emil A., Jamaica, assignor to Feedrail Corporation, New York, N. Y. Electric trolley conduit construction. 2,254,147; Aug. 26.

Horton, Arthur W., Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,253,621; Aug. 26.

Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)

Houdaille-Hershey Corporation. (See Devor, Don S., assignor.)

Houdry Process Corporation. (See Dunham, George S., assignor.)

House, Clarence L. (See Hall, Charles E., assignor.)

Howes, John T. (See Appleman, W. R., Howes, and Dalnodar.)

Hoyt, James A., et al. (See Hoyt, John A., assignor.)

Hoyt, John A., Glenview, assignor of one-third to J. F. Fonder, Evanston, and one-third to James A. Hoyt, Chicago, Ill. Safety seat. 2,254,179; Aug. 26.

Hudson, W. A., Limited. (See Powell, Arthur, assignor.)

Huenefeld Co., The. (See Dulaney, Paul L., assignor.)

Hughes, Ester, New York, N. Y., assignor to No-Run Corporation, Wilmington, Del. Knitted fabric and manufacturing the same. 2,253,956; Aug. 26.

Hull, Luther V., Wichita Falls, Tex. Pump jack bearing. 2,254,148; Aug. 26.

Humphreys, Francis A., Fayetteville, assignor to T. H. Humphreys, as trustee, Little Rock, Ark. Game counter. 2,253,563; Aug. 26.

Humphreys, Thomas H. (See Humphreys, Francis A., assignor.)

Hurd, John C. H. (See Holmes, H. H., and Hurd.)

Hydraulic Coupling Patents Limited. (See Sinclair, H., and Cooper, assignors.)

Hydraulic Devices, Inc. (See Hillis, David R., assignor.)

Imperial Chemical Industries Limited. (See Carter, P. G., and Grieve, assignors.)

Ingersoll-Rand Company. (See Frutchey, Raymond, assignor.)

International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)

International Harvester Company. (See Harstick, William H., assignor.)

International Harvester Company. (See Hipple, James L., assignor.)

International Mutoscope Reel Co. Inc. (See Robin, Jacob I., assignor.)

International Standard Electric Corporation. (See New, A. A., Beckwith, and Wiltshire, assignors.)

Investo Company. (See Montero, Bruno, assignor.)

Ische, George H. (See Nilson, Harold, assignor.)

Iten, Johann, Zurich, Switzerland. Secondary ray screen. 2,253,622; Aug. 26.

Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Welding of lengths of strip metal. 2,253,709; Aug. 26.

Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,253,624; Aug. 26.

Jacocks, George T., Larchmont, assignor to The Lummus Company, New York, N. Y. Heat exchanger. 2,254,070; Aug. 26.

James, Willard N., Des Moines, Iowa. Cabinet for ironing boards and breakfast tables. 2,254,071; Aug. 26.

Jenkel-Davidson Optical Company. (See Genesy, Paul, assignor.)

Jenkins, John D., Wilkinsburg, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Printing process. 2,254,072; Aug. 26.

Jensen, Marthinus, Greenwich, Conn. Automobile jack. 2,254,149; Aug. 26.

Johns-Manville Corporation. (See Bruce, Donald S., assignor.)

Johns-Manville Corporation. (See Cummings, James D., assignor.)

Johns-Manville Corporation. (See Dunbar, James Y., assignor.)

Johnson, Kenneth C. (See Detrick, S. R., and Johnson.)

Johnson, Paul S. (See Hedding, L. K., and Johnson.)

Johnstone, Frederick L. (See Anderson, H. P., and Johnstone.)

Johnston, William B. (See Bradley, T. F., and Johnston.)

Jones, Clint, and C. Herman, Orrville, Ohio. Glove. 2,253,710; Aug. 26.

Jones, Hilton L., Wilmette, assignor to National Selected Morticians, Chicago, Ill. Embalming fluid. 2,253,625; Aug. 26.

Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Heat insulating cabinet or file. 2,253,564; Aug. 26.

Jordan, Frank W., San Francisco, Calif., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,253,623; Aug. 26.

Joslyn, Stuart S., assignor to Hamilton C. Bates, Chester, Conn. Fastener. 2,254,180; Aug. 26.

Joy, Joseph F., Pittsburgh, Pa., assignor to Sullivan Machinery Company. Kerf-cutting machine. 2,253,626; Aug. 26.

Joy, Joseph F., Pittsburgh, Pa., assignor to Sullivan Machinery Company. Mining machine transport truck. 2,254,104; Aug. 26.

Joy, Joseph F., Pittsburgh, Pa., assignor to Sullivan Machinery Company. Material moving apparatus. 2,254,181; Aug. 26.

Kammerdiner, James A., Los Angeles, Calif. Automatic circuit-breaking electric switch. 2,253,957; Aug. 26.

Karst, Howard C., Hanover, Pa. Aquatic amusement device. 2,253,936; Aug. 26.

Kay Manufacturing Corporation. (See Krakauer, Abraham, assignor.)

Kealoha, Bertha L. (See Lein, C., and Kealoha, assignors.)

Kearns, Anthony P., Basking Ridge, N. J. Change speed gearing. 2,253,711; Aug. 26.

Keller, Clarence J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Terminal clip machine. 2,254,117; Aug. 26.

Kelly, James C., St. Paul, Minn. Game. 2,253,787; Aug. 26.

Kemet Laboratories, Inc. (See McQuade, John D., assignor.)

Kennedy, Donald W. (See McKune, F., and Kennedy.)

Kern, Emil, assignor to Acco Products, Inc., Long Island City, N. Y. Fastener. 2,253,712; Aug. 26.

Kern, Emil, assignor to Acco Products, Inc., Long Island City, N. Y. Filing equipment. 2,253,788; Aug. 26.

Kern, Walter, Sissach, and T. Holbro, and R. Tobler, Riehen, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Derivatives of fluoranthene and making same. 2,253,789; Aug. 26.

Kernodle, Dock M., Jamestown, Ind. Plowshare. 2,254,011; Aug. 26.

Ketcham, Garry M., Jr. (See Ricken, Charles B., assignor.)

Kienzle Taxameter-und Apparate A.-G. (See Meer, Karl, assignor.)

Kingsland, Oliver D., Rochester, N. Y. Closure. 2,254,150; Aug. 26.

Kinnucan, James W., Detroit, Mich., assignor, by mesne assignments, to Continental Aviation and Engineering Corporation. Reduction drive mechanism. 2,253,977; Aug. 26.

Kinsman, Arthur J., assignor to Purepac Corporation, New York, N. Y. Container. 2,253,565; Aug. 26.

Kirchner, Henry P. (See Melton, R. L., Benner, and Kirchner.)

Klatzow, Leonard, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Photoelectrically sensitive surface. 2,254,073; Aug. 26.

Klaue, Hermann, Berlin-Frohnau, Germany, assignor to Argus Motoren Gesellschaft m. b. H. Brake wheel, particularly for aircraft. 2,254,074; Aug. 26.

Klauer, Walter E., Dubuque, Iowa. Snow remover. 2,254,151; Aug. 26.

Klemm, Hanns, Boblingen, near Stuttgart, Germany, assignor to W. R. Davis, New York, N. Y. Aircraft construction. 2,254,152; Aug. 26.

Klepetko, Ernest, Pacific Palisades, Calif. Recovery of sulphur. 2,253,566; Aug. 26.

Kline, Frank W., assignor to Hackett Brass Foundry Company, Detroit, Mich. Pavement traffic signal. 2,253,790; Aug. 26.

Kline, Lawrence J., La Grange, and J. J. Sichman, Chicago Heights, assignors to The Mercury Manufacturing Company, Chicago, Ill. Vehicle wheel lock. 2,253,791; Aug. 26.

Knobel, Francis W., Sunburst, Mont. Cutter. 2,253,905; Aug. 26.

Knowles, Edward R., Bridgeport, Conn., assignor to The Watson-Stillman Co., Roselle, N. J. Injection molding device. 2,253,627; Aug. 26.

Kochenour, William L., and H. W. Wineka, York, Pa. Cooking device. 2,253,567; Aug. 26.

Kollmorgen, Frederick L. G., Mountain Lakes, N. J., assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Making dies for molding contact lenses. 2,253,497; Aug. 26.

Kollmorgen Optical Corporation. (See Kollmorgen, Frederick L. G., assignor.)

Kottmann, Arthur A., Davenport, assignor to Micro-Westco, Incorporated, Bettendorf, Iowa. Slicing machine. 2,254,105; Aug. 26.

Kovalsky, Joseph F., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Voltage regulator relay system. 2,254,039; Aug. 26.

Kraft, Wheaton W., assignor to The Lummus Company, New York, N. Y. Distillation process. 2,254,182; Aug. 26.

Krakauer, Abraham, assignor to Kay Manufacturing Corporation, Brooklyn, N. Y. Spring lock. 2,254,106; Aug. 26.

Krapp, John T., Port Jefferson, N. Y. Coupling device. 2,253,628; Aug. 26.

Kucher, Andrew A., Dayton, Ohio. Refrigerating apparatus. 2,254,118; Aug. 26.

Kuckhoff, John C., Syracuse, N. Y. Door handle. 2,254,040; Aug. 26.

Kudo, Toyojiro, Koishikawa-ku, Tokyo, Japan. Mechanical tuning device for string musical instruments. 2,254,012; Aug. 26.

Kupfer-Asbest-Co. Gustav Bach. (See Haug, Wilhelm, assignor.)

Kupferschmid, Frohman, assignor to The Electric Auto-Lite Company, Toledo, Ohio. Hydraulic switch. 2,253,629; Aug. 26.

La Forest, Louis Z., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,253,568; Aug. 26.

Lancaster, Jeter M., High Point, N. C. Furniture clamp for Duncan Phyfe tables. 2,253,713; Aug. 26.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Bearing. 2,253,569; Aug. 26.

Lapper, Benjamin, Bronx, assignor to National Pad & Tablet Corp., New York, N. Y. Visible card reference system and mounting same. 2,253,630; Aug. 26.

Larrabee, Marshal H., Skaneateles, N. Y. Toy. 2,254,153; Aug. 26.

Larson, Raymond, Chicago, Ill. Hairpin. 2,254,013; Aug. 26.

Latta, Lloyd E., Jackson, Mich. Automatic trailer brake. 2,253,631; Aug. 26.

Laury, Napoleon A., Rockville Centre, assignor to American Cyanamid Company, New York, N. Y. Making chlorine and sodium sulphate. 2,254,014; Aug. 26.

Lawson, Paul C., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Process of and apparatus for washing sheet material. 2,254,075; Aug. 26.

Leavenworth, William H., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Apparatus for curing belts. 2,253,792; Aug. 26.

Lebedeff, Yurii E., Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Production of finely divided lead. 2,253,632; Aug. 26.

Lehman, Marshall, Silver Spring, Md. Metal bead bender. 2,253,906; Aug. 26.

Leimer, Eugene E., Chicago, Ill. Sanitary toothpick dispenser. 2,253,793; Aug. 26.

Lein, Celia, Jersey City, N. J., and B. L. Kealoha, New York, N. Y. Dressmaker's garment drafting tool. 2,254,041; Aug. 26.

Lesser, Murray, Brooklyn, N. Y. Sport shirt. 2,254,076; Aug. 26.

Lester Engineering Company, The. (See Lester, Nathan, assignor.)

Lester, Nathan, Cleveland Heights, assignor to The Lester Engineering Company, Cleveland, Ohio. Plastic casting machine. 2,254,119; Aug. 26.

Levin, Samuel, New York, and L. Rosenberg, Brooklyn, N. Y. Apparatus for manufacturing covered belt buckles. 2,254,077; Aug. 26.

Levine, Julius Y., Hartford, Conn. Refrigerating apparatus. 2,253,907; Aug. 26.

Lihotzky, Emil, Plattling, Germany. Mixing device for dough and the like. 2,254,042; Aug. 26.

Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Reversible motor. 2,253,524; Aug. 26.

Lily-Tulip Cup Corporation. (See Hope, Samuel N., assignor.)

Lindholm, Raymond H., George West, Tex. Ensilage cutter attachment for tractors. 2,253,794; Aug. 26.

Lindly, James W., Welch, Tex. Ensilage harvester. 2,253,633; Aug. 26.

Linney, Albert T., Lexington, Ky. Game. 2,254,154; Aug. 26.

Lipani, Joseph, Brooklyn, N. Y. Height gauge indicating scribing tool. 2,253,908; Aug. 26.

List, Heinrich, Berlin-Lichterfelde, Germany. Oscillation scanning and measuring apparatus. 2,253,795; Aug. 26.

Livingston, Callard, assignor to Chicago Coin Machine Mfg. Co., Chicago, Ill. Ball objective. 2,253,796; Aug. 26.

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Olefin reactions with boron fluoride catalyst. 2,253,525; Aug. 26.

Loewenstein, Ludwig, assignor to Frigic Corporation of America, Chicago, Ill. Manufacturing frozen confections. 2,253,909; Aug. 26.

Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 2,253,714; Aug. 26.

Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Converter. 2,253,937; Aug. 26.

Long, Ralph L. (See Cordrey, H., and Duvall, assignors.)

Lorimer, Thomas, Bradford, England. Dabbing brush for wool combing machines. 2,254,015; Aug. 26.

Lovejoy, Vincent F., San Diego, Calif. Automatic hydraulic elevator valve control. 2,253,570; Aug. 26.

Lowe, Joe, Corporation. (See Hess, Louis E., assignor.)

Lucas, Helmut, Leipzig, and M. Dathe, Markkleeberg, Germany. Automatic page-turning block. 2,253,858; Aug. 26.

Luck, David G. C., Haddon Heights, N. J., assignor to Radio Corporation of America. Rotating radio beacon. 2,253,958; Aug. 26.

Luengen, Harry F., Los Angeles, Calif. Curl holder. 2,253,498; Aug. 26.

Luenz, Franz, Hartford, Conn. Gum massage implement. 2,253,910; Aug. 26.

Lummus Company, The. (See Jacocks, George T., assignor.)

Lummus Company, The. (See Kraft, Wheaton W., assignor.)

Lummus Company, The. (See Reed, Carl S., assignor.)

Lux Clock Mfg., The. (See Lux, Frederick, assignor.)

Lux, Frederick, assignor to The Lux Clock Mfg. Co., Inc., Waterbury, Conn. Clock. 2,253,715; Aug. 26.

Lynn, Clarence, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,254,043; Aug. 26.

Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Building construction. 2,254,044; Aug. 26.

Mack, Perry E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Pulley. 2,253,634; Aug. 26.

Maier, August R., and J. M. Shimer, Dallas, Tex., assignors to Oil Well Supply Company. Table seal for well drilling rotaries. 2,254,183; Aug. 26.

Malhiot, Clarence J. (See Milmore, M. J., and Malhiot.)

Maloy, Ernest D., Cedar Rapids, Iowa. Direction indicating signal. 2,254,078; Aug. 26.

Manitowoc Shipbuilding Company. (See Nickles, E. B., and West, assignors.)

Mann, John J., Milwaukee, Wis. Wig and making the same. 2,253,635; Aug. 26.

Mannheimer, Gunnar. (See Schirokauer, Heinz, assignor.)

Mantle, Burr W. Pittsford, N. Y., assignor to The American Brake Shoe and Foundry Company. Dual capacity compressor system. 2,253,859; Aug. 26.

Marathon Electric Manufacturing Corporation. (See Appleman, W. R., Howes, and Dalnodar, assignors.)

Marchant Calculating Machine Company. (See Avery, Harold T., assignor.)
Margolin, Meyer, Elgin, Ill. Combination of resilient pad and cutout insole. 2,253,959; Aug. 26.
Martin, Bernard P. (See Waite, V. H., and Martin.)
Martin, Frederick H., Belmont, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Article of footwear. 2,253,860; Aug. 26.
Martin, Thomas B., Ithaca, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch. 2,253,716; Aug. 26.
Matha, Emil, Chicago, Ill. Apparatus and method of cutting articles from sheets and the like. 2,253,636; Aug. 26.
Matsukawa, Kogen, Ewa, Honolulu, Hawaii. Automatic emergency light control system. 2,253,911; Aug. 26.
Mawen, S. A. (See Cantoni, Humbert D. J., assignor.)
Mayer, M. (See Glickston, Samuel W., assignor.)
Mayer, Rudolf F., Lynn, Mass. Sandal. 2,254,184; Aug. 26.
McAlpine, Kenneth B., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Method and apparatus for forming and refining glass. 2,254,079; Aug. 26.
McCarty, Madison P., assignor of fifty percent to C. A. Donavan, Dallas, Tex. Electrical system testing device. 2,254,080; Aug. 26.
McClure, Hugh B., Peoria, Ill. Binder folder. 2,254,081; Aug. 26.
McCullough, Paul J., assignor to J. Pavelka, St. Louis, Mo. Toasting machine. 2,253,637; Aug. 26.
McDonnell, Everett N., et al. (See Carlson, Oscar F., assignor.)
McGean Chemical Company, The. (See Waite, V. H., and Martin, assignors.)
McInnerney, Benjamin, Omaha, Nebr. Prevention of vapor lock in the fuel feed of internal combustion engines. 2,253,717; Aug. 26.
McKeage, John A., Brookline, assignor to Sherman Paper Products Corporation, Newton, Mass. Manufacture of indented, corrugated papers. 2,253,718; Aug. 26.
McKennon, Forrest L., Galveston, Tex., assignor to Pan American Refining Corporation, New York, N. Y. Treating motor fuels. 2,253,638; Aug. 26.
McKinely, John P., and W. P. Ackland, Buffalo, N. Y., said Ackland assignor to said McKinley. Bottle washer. 2,253,912; Aug. 26.
McKune, Frank, and D. W. Kennedy, Seattle, Wash. Thermally controlled release mechanism. 2,253,861; Aug. 26.
McMahan, Roy F., Louisville, Ky. Bending die. 2,253,639; Aug. 26.
McMahan, William W. (See Haase, J. L., McMahan, and Roese.)
McMahon, George F., assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Circuit interrupting means. 2,253,719; Aug. 26.
McMahon, George F., assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse construction. 2,253,720; Aug. 26.
McQuade, John D., Lakewood, Ohio, assignor to Kemet Laboratories, Inc. Cleanup agents. 2,253,862; Aug. 26.
Medsker, Charles A., Cleveland Heights, assignor to W. L. Ulmer, Cleveland, Ohio. Making composite metal slabs. 2,253,526; Aug. 26.
Meer, Karl, assignor to Kienzle Taxameter-und Apparate A.-G., Villingen, Schwarzwald, Germany. Counter mechanism. 2,253,721; Aug. 26.
Mekelburg, Harold L., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controlling device. 2,254,121; Aug. 26.
Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector apparatus. 2,253,863; Aug. 26.
Melody, William, assignor to E. J. Brach & Sons, Chicago, Ill. Confectionery molding machine. 2,253,938; Aug. 26.
Melroe, Edward G., Cogswell, N. Dak. Grain pickup for combines. 2,253,797; Aug. 26.
Melton, Romie L., R. C. Benner, and H. P. Kirchner, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Coating apparatus. 2,254,016; Aug. 26.
Mercer Tube and Manufacturing Company. (See Shook, John E., assignor.)
Mercury Manufacturing Company, The. (See Kline, L. J., and Sichman, assignors.)
Meriwether, Irby A., Schenectady, N. Y., assignor to General Electric Company. Variable capacitor. 2,253,978; Aug. 26.
Merla Tool Company. (See Crickmer, Charles S., assignor.)
Mesta Machine Company. (See Iversen, Lorenz, assignor.)
Metals & Controls Corporation. (See Vaughan, V. G., and Bolesky, assignors.)
Meyer, Charles Eugéne, assignor to Société de Construction d'Appareils Mécaniques & Electriques pour Automobiles S. C. A. M. E. A., Neuilly-sur-Seine, France. Spark plug. 2,254,082; Aug. 26.
Meyer, Vernon H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Trimming machine. 2,253,640; Aug. 26.
Michiana Products Corporation. (See Burckhalter, Robert N., assignor.)
Micro-Westco, Inc. (See Bettendorf, William E., assignor.)
Micro-Westco, Incorporated. (See Kottmann, Arthur A., assignor.)
Midwest Tool & Manufacturing Company. (See Eppler, Christian L., assignor.)
Miescher, Karl, Riehen, and W. Fischer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Manufacture of partially reduced polycarbonyl compounds of the cyclopentanopolyhydrophenanthrene series. 2,253,798; Aug. 26.
Miller, A. J., Company, The. (See Augustine, Nathaniel W., assignor.)
Miller, Fred M., Bala-Cynwyd, A. C. Shape, Upper Darby, and H. S. Walker, Norwood, assignors to General Refractories Company, Philadelphia, Pa. Power press for perforated articles. 2,254,107; Aug. 26.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Syringe bag. 2,253,571; Aug. 26.
Milmoe, Michael J., Glen Ellyn, and C. J. Malhiot, Oak Park, assignors to F. B. Redington Co., Chicago, Ill. Wrapping machine sealing and detector mechanism. 2,254,108; Aug. 26.
Milwaukee Gas Specialty Company. (See Mueller, Robert W., assignor.)
Milwaukee Gas Specialty Company. (See Wantz, Clarence, assignor.)
Milwaukee Gas Specialty Company. (See Wetzel, T. A., and Furumo, assignors.)
Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Mitchell, Donald H., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Conveyer. 2,253,572; Aug. 26.
Moloney, Raymond T. (See Durant, Lyndon A., assignor.)
Moncrieff, Robert W., and A. W. M. Cooke, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile and other materials. 2,253,641; Aug. 26.
Monowatt Electric Corporation. (See Guild, Theodore P., assignor.)
Monsanto Chemical Company. (See Carswell, T. S., and Nason, assignors.)
Monsanto Chemical Company. (See Harris, Morton, assignor.)
Monteith Bros. Inc. (See Travis, R. L., and Otte, assignors.)
Montero, Bruno, assignor to Investo Company, Incorporated, Los Angeles, Calif. Liquid treating composition and making same. 2,253,722; Aug. 26.
Montgomery, H. A., Company, The. (See Nill, Edward A., assignor.)
Moore Company, The. (See Condon, Elmer J., assignor.)
Moore, Francis J., Minneapolis, Minn. Hinge structure for toilet seats and covers. 2,253,642; Aug. 26.
Moore, Leonard P., Stanford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of others. 2,253,723; Aug. 26.
Moore, Lynn W. (See West, W. H., and Moore.)
Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe sewing machine. 2,254,017; Aug. 26.
Morris, Herbert, Limited. (See Smith, George T., assignor.)
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Water heater. 2,253,799; Aug. 26.
Morse Bros. Machinery Company. (See Weinig, Arthur J., assignor.)
Mortus, Benjamin H., Shaker Heights, and L. Steinfurth, East Cleveland, assignors to The National Screw & Manufacturing Company, Cleveland, Ohio. Nut making machine. 2,254,120; Aug. 26.
Mueller, Robert W., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Valve. 2,253,643; Aug. 26.
Müller, Heinz O., Berlin-Spandau, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beshränkter Haftung, Berlin, Germany. Switching arrangement for electron microscopes. 2,253,864; Aug. 26.
Muller, J. C., N. V. (See Röber, Constantin F., assignor.)
Murray Corporation of America, The. (See Olivier, Jules A., assignor.)
Myers, Elizabeth, Mount Vernon, J. Alsberg, Tompkins Corners, and A. Gottfurcht, Brooklyn, N. Y.; said Alsberg and said Gottfurcht assignors to said Myers. Medicinal lozenge and producing the same. 2,253,800; Aug. 26.
Nash-Kelvinator Corporation. (See Wahlberg, Nils E.)
Nason, Howard K. (See Carswell, T. S., and Nason.)
National Acme Company, The. (See Hogg, William J., assignor.)

National Cornice Works. (See Ness, W. H. C., and Holmes, assignors.)
National Pad & Tablet Corp. (See Lapper, Benjamin, assignor.)
National Screw & Manufacturing Company, The. (See Mortus, B. H., and Steinfurth, assignors.)
National Selected Morticians. (See Jones, Hilton I., assignor.)
Nangler, Walter E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Eyeleting machine. 2,253,644; Aug. 26.
Nave, Alfred E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,253,573; Aug. 26.
Neal, Charles H., Venice, Calif. Pneumatic upholstery. 2,253,801; Aug. 26.
Ness, William H. C., and J. F. Holmes, assignors to National Cornice Works, Los Angeles, Calif. Insecticide dispenser. 2,253,802; Aug. 26.
Neugebauer, Hans. (See Arni, H., and Neugebauer.)
New, Archibald A., D. R. Beckwith, and W. A. Wiltshire, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Esterification of cellulose. 2,253,724; Aug. 26.
Newberry, Barnes, Narragansett, R. I., assignor to Federal Products Corporation. Gauge. 2,253,803; Aug. 26.
New Jersey Machine Corporation. (See von Hofe, George W., assignor.)
News Projection Corporation. (See Eitzen, August D., assignor.)
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,254,185; Aug. 26.
Nickles, Edward B., and J. D. West, assignors to Manitowoc Shipbuilding Company, Manitowoc, Wis. Remotely controlled crane or the like. 2,254,083; Aug. 26.
Nill, Edward A., assignor to The H. A. Montgomery Company, Detroit, Mich. Process of hydrolyzing glycerides. 2,254,109; Aug. 26.
Nilson, Harold, Wayzata, Minn., assignor to G. H. Ische, Milwaukee, Wis. Fluid pump. 2,254,084; Aug. 26.
Nilson, Harold, Wayzata, Minn., assignor to G. H. Ische, Milwaukee, Wis. Lifting jack. 2,254,085; Aug. 26.
Norbeck, Carl F., Wanakah, N. Y., assignor to Bethlehem Steel Company. Controlling the deoxidation of steel. 2,253,574; Aug. 26.
Norberg, Oscar E., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerator. 2,253,804; Aug. 26.
Northey, Elmore H., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparing 2-aminopyrimidine. 2,254,186; Aug. 26.
Norton, Lowell E., Collingswood, N. J., assignor to Radio Corporation of America. Frequency multiplier. 2,253,575; Aug. 26.
No-Run Corporation. (See Hughes, Ester, assignor.)
Novadel-Agene Corporation. (See Peet, Gerald D., assignor.)
Nowak, Paul. (See Carl, L., and Nowak.)
Nylin, Nels E., Chicago, Ill., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Adjustable sheave. 2,254,045; Aug. 26.
O'Brien, Edward D. (See Cooper, R. J., and O'Brien.)
Ogden, Daniel L., Woodbridge, and M. F. W. Heberlein, Rahway, N. J., assignors to The American Metal Company, Limited, New York, N. Y. Electrolyzing solutions containing tin. 2,253,865; Aug. 26.
Ohlis, Julius J., Oak Park, Ill. Skylight construction. 2,253,527; Aug. 26.
Oil Equipment Engineering Corporation. (See Scaramucci, Domer, assignor.)
Oilgear Company, The. (See Douglas, James K., assignor.)
Oil Well Supply Company. (See Maier, A. R., and Shimer, assignors.)
Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Manufacture of derivatives of urea. 2,253,528; Aug. 26.
Olivier, Jules A., Grosse Pointe Farms, assignor to The Murray Corporation of America, Detroit, Mich. Window construction for convertible bodies. 2,253,805; Aug. 26.
Onksen, George W., Jr. (See Falge, R. N., and Onksen.)
Osgood Company, The. (See White, Fred L., assignor.)
Otte, Brooks A. (See Travis, R. L., and Otte.)
Owen Silent Spring Company, The. (See Smith, Rudolph O., assignor.)
Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Process and apparatus for the manufacture of hollow building units. 2,254,086; Aug. 26.
Pacific Manifolding Book Company. (See Rogers, Howard W., assignor.)
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Palewick, Frank, M. Drescher, and M. F. Rosentreter, San Francisco, Calif., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for handling sheet material. 2,253,529; Aug. 26.
Palmer, Gerald F., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Work-handling mechanism. 2,253,576; Aug. 26.
Pan American Refining Corporation. (See McKennon, Forrest L., assignor.)
Parker, Benjamin H., Lynn., Mass., assignor to General Electric Company. Double pointer telemeter indicator. 2,253,980; Aug. 26.
Pateras Pescara, Raul, Paris, France. Device including receiving elements fed by compressed gas generators. 2,253,530; Aug. 26.
Paterson, John C., Peterborough, England, assignor to Baker Perkins, Inc., Saginaw, Mich. Conveyer of the endless band type. 2,253,913; Aug. 26.
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,253,645; Aug. 26.
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,253,646; Aug. 26.
Patterson Foundry & Machine Co., The. (See Underwood, Elvin M., assignor.)
Pavelka, Joseph. (See McCullough, Paul J., assignor.)
Peabody-Acker, Inc. (See Cordrey, H., and Duvall, assignors.)
Peabody Coal Company. (See Burnett, William, Jr., assignor.)
Pearson, Gerald L., Towaco, N. J., and J. B. Stucky, Jr., Riverside, Conn., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Resistance device. 2,253,577; Aug. 26.
Pearson, William W., Rahway, N. J. Cutting machine. 2,254,046; Aug. 26.
Peet, Gerald D., Montclair, assignor to Novadel-Agene Corporation, Newark, N. J. Brew cooling equipment. 2,253,940; Aug. 26.
Percival, William S., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electrical oscillation generator. 2,254,087; Aug. 26.
Perkins, B. F., & Son, Inc. (See Getchell, Raymond E., assignor)
Perkins Machine and Gear Company. (See Croft, Hiram D., assignor.)
Perry, Glenn T., San Francisco, Calif. Sifter. 2,253,806; Aug. 26.
Persons, Lawrence M., St. Louis County, Mo. Dispensing machine. 2,253,807; Aug. 26.
Persoons, Alphonse. (See Persoons, Jules and A.)
Persoons, Jules and A., Thildonck, Belgium. Cream separator. 2,253,647; Aug. 26.
Peters, Melville F., Beltsville, Md., and R. H. Stone, Bound Brook, N. J., assignors to Titeflex Metal Hose Co. Radio shielded ignition. 2,253,531; Aug. 26.
Peterson, Arthur E., assignor to Chicago Forging Manufacturing Company, Chicago, Ill. Automobile hood and hinge. 2,254,088; Aug. 26.
Peterson, Carl D., E. W. Zingsheim, and R. R. Burkhalter, Toledo, Ohio. Synchronizing clutch. 2,253,578; Aug. 26.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Diversity receiving system. 2,253,867; Aug. 26.
Petree & Dorr Engineers, Inc. (See Arango, Miguel, assignor.)
Petree & Dorr Engineers, Inc. (See Weber, W. C., and Geissler, assignors.)
Petrosky, George E., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery. 2,254,110; Aug. 26.
Petrucci, Gino, Madera, Calif. Combined carryall and drag scraper. 2,253,808; Aug. 26.
Peyches, Yvan, assignor to Societe Anonymie des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Current supply device for resistors of electric furnaces. 2,253,981; Aug. 26.
Peyton, Edward S., et al. (See Rossi, Fred, assignor.)
Peyton, Edward S., Crafton, assignor of one-fourth to S. Strahl, Pittsburgh, one-fourth to T. J. Harrison, McKees Rocks, and one-fourth to I. Simon, Pittsburgh, Pa. Orchestral apparatus. 2,254,089; Aug. 26.
Pfaehler, Kurt. (See Engel, K., and Pfaehler.)
Pfenninger, Hans, Wettingen, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Gas compressing apparatus and regulating the same. 2,253,809; Aug. 26.
Philadelphia Bindery, Inc., The. (See Brooks, Clarence E., assignor.)
Phillips Petroleum Company. (See Frey, F. E., Snow, and Fitch, Jr., assignors.)
Phillips Petroleum Company. (See Shanley, James J., assignor.)
Phillips, Willard D., and R. A. Van Fossen, Chicago, Ill., assignors to The Dow Chemical Company, Midland, Mich. Portable degreasing unit. 2,253,579; Aug. 26.
Pittsburgh Plate Glass Company. (See Devol, Manson L., assignor.)
Pittsburgh Plate Glass Company. (See Jenkins, John D., assignor.)
Pittsburgh Plate Glass Company. (See Lawson, Paul C., assignor.)
Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)
Pittsburgh Plate Glass Company. (See McAlpine, Kenneth B., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)

Pittsburgh Screw & Bolt Corporation. (See Schuetz, Harry W., assignor.)
Plotkin, Leighton B., Bridgeport, Conn. Boot tree. 2,253,725; Aug. 26.
Polcari, Carmine, Boston, Mass. Combination flush tank valve and overflow pipe. 2,254,018; Aug. 26.
Polk Development Company. (See Polk, Ralph, Sr., and Ralph, Jr., assignors.)
Polk, Ralph, Jr. (See Polk, Ralph, Sr., and Ralph, Jr.)
Polk, Ralph, Sr., Miami, and R. Polk, Jr., Haines City, assignors to The Polk Development Company, Tampa, Fla. Tool for segmenting citrus fruits. 2,254,187; Aug. 26.
Poppenga, William B., Lennox, S. Dak. Cutting off machine. 2,254,188; Aug. 26.
Poux, Noel J., Meadville, Pa., assignor to Talon, Inc. Injection machine. 2,253,810; Aug. 26.
Powell, Arthur, Birmingham, assignor of one moiety to W. A. Hudson, Limited, London, England. Bracket for valance rails. 2,254,019; Aug. 26.
Power, Donnell W., Summit, N. J., assignor to Radio Corporation of America. Cathode ray tube envelope. 2,254,090; Aug. 26.
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining apparatus. 2,253,941; Aug. 26.
Prentice, Homer C., San Bernardino, Calif. Cigarette holder. 2,253,648; Aug. 26.
Presto Recording Corporation. (See Gruber, M. M., and Saliba, assignors.)
Price, Hubert P., Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Bicycle basket. 2,253,649; Aug. 26.
Probst, Karl K., Detroit, Mich. Seat cushion. 2,253,914; Aug. 26.
Puppe, Heinz, deceased, Berlin-Reinickendorf, Germany, by W. A. Dodge, administrator, Schenectady, N. Y., assignor to General Electric Company. Electric valve translating apparatus. 2,253,982; Aug. 26.
Purepac Corporation. (See Kinsman, Arthur J., assignor.)
Quoos, August, Chicago, Ill. Flow and temperature regulator for gas burners. 2,253,866; Aug. 26.
Racklyeft, John W., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ironer gear mechanism. 2,253,915; Aug. 26.
Radio Corporation of America. (See Dow, Orville E., assignor.)
Radio Patents Corporation. (See Guanella, Gustav, assignor.)
Radio Patents Corporation. (See Guanella, Gustave, assignor.)
Radio Corporation of America. (See Luck, David G. C., assignor.)
Radio Corporation of America. (See Norton, Lowell E., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Power, Donnell W., assignor.)
Radio Corporation of America. (See Runge, Frank E., assignor.)
Radio Corporation of America. (See Thompson, Harry C., assignor.)
Radio Corporation of America. (See Whitaker, James N., assignor.)
Radio Corporation of America. (See Wright, G. M., and Austin, assignors.)
Radio Patents Corporation. (See Rath, Karl, assignors.)
Rahe, Norman H., Cleveland, Ohio. Safety valve device for fluid brake systems. 2,253,580; Aug. 26.
Ramdor, Leopold. (See Tensfeldt, E., and Ramdor.)
Rath, Karl, New York, N. Y., assignor to Radio Patents Corporation. Selectivity control system. 2,253,942; Aug. 26.
Read Machinery Co. (See Duffy, James T., Jr., assignor.)
Redington, F. B., Co. (See Milmoe, M. J., and Malliot, assignors.)
Reed, Carl S., assignor to The Lummus Company, New York, N. Y. Heat exchanger. 2,254,159; Aug. 26.
Refining, Inc. (See Clayton, Benjamin, assignor.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,253,532; Aug. 26.
Reichel, Wladimir A., Bellerose, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Pitot-static tube. 2,254,155; Aug. 26.
Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Substituted hydroxyaromatic acids. 2,253,811; Aug. 26.
Renier, Raymond I., Los Angeles, Calif. Wire winder. 2,253,983; Aug. 26.
Research Corporation. (See Barrow, Wilmer L., assignor.)
Research Corporation. (See Draper, Charles S., assignor.)
Reynolds, James H., Baltimore, Md., assignor to The Coca-Cola Company, Wilmington,, Del. Continuous inspection device. 2,253,581; Aug. 26.
Rice, A. B., Floor Company. (See Rice, Allyn B., assignor.)
Rice, Allyn B., assignor to A. B. Rice Floor Company, Los Angeles, Calif. Floor construction. 2,253,943; Aug. 26.
Richard, Charles D., West New Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,253,650; Aug. 26.
Richardson, De Soto E., Azwell, Wash. Lamp socket. 2,253,582; Aug. 26.
Richardson, Harlow T., North Plainfield, N. J., assignor to The Ruberoid Co., New York, N. Y. Clip fastener for corrugated sheets. 2,253,916; Aug. 26.
Ricken, Charles B., assignor of one-half to G. M. Ketcham, Jr., Brooklyn, N. Y. Mirror door for cabinets. 2,254,190; Aug. 26.
Ring, Lucian, assignor to Ternstedt Manufacturing Company, Detroit, Mich. Knockout for die casting machines. 2,253,651; Aug. 26.
Ritter, George, Millington, N. J., assignor to The Ruberoid Co., New York, N. Y. Shingle. 2,253,652; Aug. 26.
Röber, Constantin F., Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Apparatus for cleaning the suction surface on a suction head carrying wrappers in cigar machines. 2,253,868; Aug. 26.
Roberts, Leland C., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground potential compensator. 2,253,583; Aug. 26.
Robin, Jacob I., assignor to International Mutoscope Reel Co. Inc., New York, N. Y. Changeable exhibitor. 2,253,869; Aug. 26.
Robonson, Lula H., Dallas, Tex. Combination shade and curtain bracket support. 2,253,584; Aug. 26.
Robinson, James, and R. E. Esch, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,253,653; Aug. 26.
Roblin, Richard O., Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. P-azidobenzene compounds. 2,254,191; Aug. 26.
Roese, Charles J. (See Haaze, J. I., McMahan, and Roese.)
Rogers, Howard W., assignor to Pacific Manifolding Book Company, Inc., Emeryville, Calif. Manifolding assembly. 2,253,917; Aug. 26.
Römpler, Julius, Aktiengesellschaft. (See Anton, Kurt, assignor.)
Rooke, Robert M., Jersey City, N. J., and F. C. Saacke, Astoria, assignors to Air Reduction Company, Incorporated, New York, N. Y. Carbon-molybdenum welding rod. 2,253,812; Aug. 26.
Rosenberg, Louis. (See Levin, S., and Rosenberg.)
Rosenfeld, Harry, Inc. (See Brody, Benjamin R., assignor.)
Rosentreter, Milton F. (See Palewick, F., Drescher, and Rosentreter.)
Rossi, Fred, Philadelphia, assignor of one-fourth to E. S. Peyton, Crafton, one-fourth to S. Strahl, Pittsburgh, one-fourth to T. J. Harrison, McKees Rocks, and one-fourth to Irene Simon, Pittsburgh, Pa. Mechanical orchestra. 2,254,091; Aug. 26.
Roth, Willard, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Built-in gas generator for industrial furnaces. 2,254,047; Aug. 26.
Roumillat, Carl H., Tavares, Fla. Shipping crate. 2,253,726; Aug. 26.
Ruben, Samuel, New Rochelle, N. Y. Electric make and break contact. 2,253,533; Aug. 26.
Ruberoid Co., The. (See Richardson, Harlow T., assignor.)
Ruberoid Co., The. (See Ritter, George, assignor.)
Rundell, Rupert E., Rockville Centre, N. Y., assignor to International Cigar Machinery Company. Leaf transfer for tobacco strippers. 2,253,534; Aug. 26.
Runge, Frank E., Oaklyn, N. J., assignor to Radio Corporation of America. Phonographic apparatus. 2,254,048; Aug. 26.
Ruprecht, Louis. (See Sheldon, William M., assignor.)
Russon, Harry R., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Mat. 2,253,813; Aug. 26.
Rutenber, Edwin A., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich. Making oven linings. 2,253,499; Aug. 26.
Saacke, Frederick C. (See Rooke, R. M., and Saacke.)
Sahlin, Henry, Detroit, and J. R. Young, Farmington, assignors to General Motors Corporation, Detroit, Mich. Press loading device. 2,253,870; Aug. 26.
Saliba, George J. (See Gruber, M. M., and Saliba.)
Sames, August C., assignor to J. S. Graham Company, Inc., Rochester, N. Y. Photograph mount. 2,253,814; Aug. 26.
Sample, Thomas E., Scottsbluff, Nebr. Portable dam for irrigating ditches. 2,253,727; Aug. 26.
Sandoz Ltd. (See von Allmen, S., and Rosselet, assignors.)
Saylor, Wilbur A., Bellevue, Pa., and L. D. Woodworth, Youngstown, Ohio. Casting lead-bearing steel. 2,254,156; Aug. 26.
Scaramucci, Domer, Norman, assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla. Apparatus for cementing wells. 2,253,536; Aug. 26.
Scaramucci, Domer, Norman, assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla. Apparatus for cementing wells. 2,253,537; Aug. 26.
Schayer, Isadore, Columbia, S. C. Individual service container. 2,253,918; Aug. 26.

Schellenberg, Albert. (See Schmitt, J. A., and Schellenberg.)
Schirokauer, Heinz, Stockholm, assignor to Gunnar Mannheimer, Skuruborg, Ektorp, Sweden. Thermostatic locking device. 2,253,815; Aug. 26.
Schmitt, John A., Waukesha, Wis., and A. Schellenberg, Joliet, Ill., assignors to The Universal Milking Machine Company, Waukesha, Wis. Milking. 2,254,092; Aug. 26.
Schmitt, John A., Milwaukee, Wis., and A. Schellenberg, Joliet, Ill., assignors to The Universal Milking Machine Company, Waukesha, Wis. Pulsator. 2,254,093; Aug. 26.
Schöne, Alfred, Berlin-Tempelhof, and E. Steffens, Berlin-Siemensstadt, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tone control device. 2,254,122; Aug. 26.
Schönfeld, Paul, Chemnitz, Germany. Warp machine. 2,253,728; Aug. 26.
Schott, John E., New York, N. Y., and L. R. Churchill, Cranford, N. J., assignors to Tide Water Associated Oil Company, New York, N. Y. Lubricating oil composition. 2,253,585; Aug. 26.
Schröder, Heinrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. System for remotely controlling regulators. 2,253,654; Aug. 26.
Schuetz, Harry W., Sewickley, Pa., assignor to Pittsburgh Screw & Bolt Corporation. Thread protector for pipe. 2,253,729; Aug. 26.
Schulte, Clifford L., Rossmoyne, and A. J. Graf, Norwood, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Cambering mechanism for grinding machines. 2,254,020; Aug. 26.
Schutte, August H., Westfield, N. J. Forming emulsions. 2,254,049; Aug. 26.
Schweitzer & Conrad, Inc. (See McMahon, George F., assignor.)
Scott-Paine, Hubert, and G. S. Selman, Hythe, Southampton, England; said Selman assignor to said Scott-Paine. Liquid-circulating system. 2,253,939; Aug. 26.
Scovill Manufacturing Company. (See Williams, Selden T., assignor.)
Séailles, Jean C., Paris, France. Molding concrete. 2,253,730; Aug. 26.
Seaman, Charles, Jamaica Estates, N. Y. Sewing machine and attachment therefor. 2,253,731; Aug. 26.
Seeley, Clarence H. (See Boyd, G. A., and Seeley.)
Segelin, David and S., Rochester, N. Y. Permanent crease forming means. 2,253,732; Aug. 26.
Segelin, Solomon. (See Segelin, David and S.)
Segerstrom, Walter G. (See Handley, E. W., and Segerstrom.)
Selman, George S. (See Scott-Paine, H., and Selman.)
Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Activating catalysts. 2,253,871; Aug. 26.
Serkau, Gabriel G., Montreal, Quebec, Canada, assignor to F. W. Zelcer, New York, N. Y. Parachuting. 2,253,586; Aug. 26.
Serpico, Frank, Philadelphia, Pa. Bowling ball. 2,253,872; Aug. 26.
Servel, Inc. (See Nave, Alfred E., assignor.)
Sessoms, William A., Bonifay, Fla. Turpentine hack and pulier. 2,254,021; Aug. 26.
Shanklin, George B., Schenectady, N. Y., assignor to General Electric Company. Gas filled cable and making the same. 2,253,984; Aug. 26.
Shanklin, George B., Schenectady, N. Y., assignor to General Electric Company. Stop joint for gas filled cables and installing the same. 2,253,985; Aug. 26.
Shanklin, George B., Schenectady, N. Y., assignor to General Electric Company. Gas filled cable. 2,253,986; Aug. 26.
Shanklin, George B., Schenectady, N. Y., assignor to General Electric Company. Terminal for gas filled cables. 2,253,987; Aug. 26.
Shanley, James J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Change-over device. 2,253,944; Aug. 26.
Shape, Alfred C. (See Miller, F. M., Shape, and Walker, assignors.)
Sharples Chemicals Inc. (See Olin, John F., assignor.)
Shaw, Noel, Ivy Lea, Bank Top, Haydon Bridge, Northumberland, England, assignor to Carbide and Carbon Chemicals Corporation. Production of polished surfaces. 2,253,587; Aug. 26.
Shaw, Ronald A., Farnborough, England. Collapsible fabric pipe for the discharge of liquids from aircraft. 2,254,157; Aug. 26.
Sheldon, William M., Roselle Park, assignor to L. Ruprecht, Montclair, N. J. Impact pulverizer. 2,253,733; Aug. 26.
Sherman Paper Products Corporation. (See McKeage, John A., assignor.)
Sherwood, Lester L., Los Angeles, Calif. Belt and buckle. 2,253,816; Aug. 26.
Shimer, John M. (See Maier, A. R., and Shimer.)
Shook, John E., assignor to Mercer Tube and Manufacturing Company, Sharon, Pa. Manufacturing pipe and tubing. 2,253,988; Aug. 26.
Shurley, Frederick, Salt Lake City, Utah, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Coated or impregnated paper product and making same. 2,253,655; Aug. 26.
Sichman, John J. (See Kline, L. J., and Sichman.)
Siemens & Halske Aktiengesellschaft. (See Arni, H., and Neugebauer, assignors.)
Simmons, Peter C., Buffalo, Minn. Flowerpot container. 2,253,817; Aug. 26.
Simon, Hyman. (See Garfield, J., and Simon.)
Simon, Irene, et al. (See Peyton, Edward S., assignor.)
Simon, Irene, et al. (See Rossi, Fred, assignor.)
Simpson, Emory G., assignor to General Motors Corporation, Detroit, Mich. Automobile body construction. 2,253,818; Aug. 26.
Simpson, Kenneth M., New York, N. Y. Recovering nickel. 2,254,158; Aug. 26.
Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Vent valve for steam heating systems. 2,253,588; Aug. 26.
Sinclair, Harold, Kensington, London, and R. G. Cooper, Isleworth, assignors to Hydraulic Coupling Patents Limited, London, England. Hydraulic power-transmission system. 2,253,656; Aug. 26.
Sirch, Charles W., Los Angeles, Calif. Gas mask respirator. 2,253,538; Aug. 26.
Skinner, Charles K., Southport, Conn., assignor to General Electric Company. Rotational washer. 2,253,989; Aug. 26.
Sleigh, Herbert L. (See Cheston, Arthur S., assignor.)
Slough, Frank M. (See Carpenter, Wesley C., assignor.)
Smith, Emil F., Chicago, Ill., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,253,657; Aug. 26.
Smith, George T., assignor to Herbert Morris Limited, Loughborough, England. Hook, shackle, and the like. 2,253,734; Aug. 26.
Smith, Landon P., Inc. (See Wyman, Guy C., assignor.)
Smith, Lonzo B., assignor to Acme Fishing Tool Company, Parkersburg, Va. Making drill jars. 2,253,735; Aug. 26.
Smith, Rudolph O., Milford, assignor to The Owen Silent Spring Company, Inc., Bridgeport, Conn. Sofa bed. 2,253,658; Aug. 26.
Snow, Robert D. (See Frey, F. E., Snow, and Fitch, Jr.)
Soaper, Edward W., assignor to Swindell Brothers, Incorporated, Baltimore, Md. Oil burner. 2,254,123; Aug. 26.
Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey. (See Peyches, Yvan, assignor.)
Società Anonima Officine Galileo. (See Sperti, Giangelo, assignor.)
Société de Construction d'Appareils Mécaniques & Electriques pour Automobiles S. C. A. M. E. A. (See Meyer, Charles E., assignor.)
Société Salpa Française. (See Strachovsky, Nikita, assignor.)
Society of Chemical Industry in Basle. (See Kern, W., Holbro, and Tobler, assignors.)
Socony-Vacuum Oil Company. (See Reiff, Orland M., assignor.)
Southworth, George C., Red Bank, N. J. Generation and transmission of high frequency oscillations. 2,253,589; Aug. 26.
Spaulding, Harold V., Seattle, Wash. Ring and ball mill. 2,253,819; Aug. 26.
Speed-Jack Corporation. (See Van Sant, Victor H., assignor.)
Speed, James H., assignor to R. H. Bigham, Portland, Oreg. Tool handle. 2,253,990; Aug. 26.
Sperti, Gianangelo, assignor to Società Anonima Officine Galileo, Florence, Italy. Apparatus for training aerophonists in sound detection. 2,254,159; Aug. 26.
Spiro, Walter, assignor, by mesne assignments, to Elevator Safety Corporation, New York, N. Y. Guide for elevator cars. 2,253,820; Aug. 26.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,253,960; Aug. 26.
Sprong, Severn D. (See Blume, L. F., and Sprong.)
Spyckaboer, John M., Midland Park, N. J. Brush. 2,254,160; Aug. 26.
Stadub, Stephen, Brooklyn, N. Y. Sewing machine attachment. 2,254,050; Aug. 26.
Standard Electric Time Company, The. (See Warren, Roger M., assignor.)
Standard Oil Company. (See Boyd, G. A., and Seeley, assignors.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Railway Refrigerator Company. (See Bonsall, Charles D., assignor.)
Starrett, William A., Wilmar, Calif. Dispenser. 2,253,945; Aug. 26.
Steffens, Engen. (See Schöne, A., and Steffens.)
Steinfurth, Louis. (See Mortus, B. H., and Steinfurth.)
Steinhilber, Berthold, Worcester, Mass. Cleaning and disinfecting machine. 2,253,539; Aug. 26.
Stephens, George H. (See Hammond, L., and Stephens, assignors.)
Steriliseat Corporation. (See Sullivan, Romaine L., assignor.)

Stevens, Philip G., Montreal, Quebec, Canada, and H. S. Turner, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic compound of quinquevalent phosphorus. 2,254,124; Aug. 26.

Stone, R. Harry. (See Peters, M. F., and Stone.)

Stoneberg, Fred, Chicago, Ill., assignor to Gaso Equipment Co. Gas cutting apparatus. 2,253,540; Aug. 26.

Stonehill, Cyrus, Fort Wayne, Ind., assignor to General Electric Company. Alternating current motor and controller. 2,253,961; Aug. 26.

Strachovsky, Nikita, assignor to Société Salpa Française, Paris, France. Regeneration of waste of artificial and synthetic leathers. 2,253,991; Aug. 26.

Strahl, Samuel, et al. (See Peyton, Edward S., assignor.)

Strahl, Samuel, et al. (See Rossi, Fred, assignor.)

Straughn, William D. R., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized organic solvent soluble cellulosic film. 2,253,821; Aug. 26.

Stucky, Joseph B., Jr. (See Pearson, G. L., and Stucky.)

Sullivan Machinery Company. (See Joy, Joseph F., assignor.)

Sullivan, Romaine L., Radnor, Pa., assignor, by mesne assignments, to Sterilseat Corporation, New York, N. Y. Sanitary toilet seat. 2,253,736; Aug. 26.

Sullivan, Roy W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of acidic liquors. 2,253,590; Aug. 26.

Sulzer Freres, Societe Anonyme (also known as Sulzer Bros., Ltd.) (See Volks, Herbert, assignor.)

Sun Oil Company. (See Winterhalter, Alfred C., assignor.)

Sundback, Gideon, assignor to Talon, Inc., Meadville, Pa. Molding apparatus. 2,253,822; Aug. 26.

Suteras, Pio M., Habana, Cuba. Dominoes game. 2,253,823; Aug. 26.

Swarovski, D., Glasfabrik und Tyrolit-Schleifmittel-Werke. (See Swarovski, Daniel, assignor.)

Swarovski, Daniel, assignor to the firm D. Swarovski Glasfabrik und Tyrolit-Schleifmittel-Werke, Wattens, Tyrol, Germany. Ornamental article. 2,253,659; Aug. 26.

Swindell Brothers, Incorporated. (See Soaper, Edward W., assignor.)

Talon, Inc. (See Carlile, Alfred E., assignor.)

Talon, Inc. (See Poux, Noel J., assignor.)

Talon, Inc. (See Sundback, Gideon, assignor.)

Tarulio, Felix, Southbridge, Mass. Projecting device. 2,254,125; Aug. 26.

Taylor, Frank W. (See Tucker, W. B., and Taylor.)

Taylor, Guy C., assignor to Flint, Eaton & Company, Decatur, Ill. Ceanothus americanus extract. 2,254,051; Aug. 26.

Technicolor Motion Picture Corporation. (See Tucker, W. B., and Taylor, assignors.)

Teel, John W., Muskogee, Okla. Garment heater and drier. 2,254,126; Aug. 26.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Andrieu, Robert, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröder, Heinrich, assignor.)

Telefunken-Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schöne, A., and Steffens, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wolter, Gerhard, assignor.)

Teletype Corporation. (See Reiber, Albert H., assignor.)

Teletype Corporation. (See Zenner, Raymond E., assignor.)

Tell, William J., assignor to General Motors Corporation, Detroit, Mich. Hood latch. 2,253,660; Aug. 26.

Tellegen, Bernardus D. H. (See Haantjes, J., and Tellegen.)

Tensfeldt, Ernst, Berlin-Charlottenburg, and L. Ramdor, Falkensee, Osthavelo, Germany; said Ramdor assignor to said Tensfeldt. Ticket issuing device. 2,253,919; Aug. 26.

Ternstedt Manufacturing Company. (See Harden, George N., assignor.)

Ternstedt Manufacturing Company. (See Ring, Lucian, assignor.)

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,253,737; Aug. 26.

Teuschler, Clarence, Cincinnati, Ohio. Model airplane. 2,253,661; Aug. 26.

Textile Equipment, Inc. (See Holcombe, Homer H., assignor.)

Thide, Charles S., East Northport, N. Y. Change-over and shutter control for moving picture projectors. 2,254,052; Aug. 26.

Thompson, Harry C., Ludlow, Vt., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron beam discharge device. 2,254,095; Aug. 26.

Thompson, Harry C., Newark, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron beam discharge device. 2,254,096; Aug. 26.

Thompson Products, Inc. (See Cox, John R., assignor.)

Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Soap stock and process of making. 2,254,094; Aug. 26.

Tide Water Associated Oil Company. (See Schott, J. E., and Churchill, assignors.)

Timken Roller Bearing Company, The. (See Edwards, Herbert C., assignor.)

Timson, William, assignor to W. & T. Avery Limited, Birmingham, England. Indicating mechanism. 2,254,053; Aug. 26.

Titeflex Metal Hose Co. (See Peters, M. F., and Stone, assignors.)

Tobler, Richard. (See Kern, W., Holbro, and Tobler.)

Topolewski, William, Detroit, Mich. Nut tapping machine. 2,253,662; Aug. 26.

Torbett, Arvil J., U. S. Navy. Tree cup. 2,253,541; Aug. 26.

Torok, Julius. (See Byron, A. W., and Torok.)

Totschnig, Karl, Berlin, Germany. Closure for tubes. 2,253,738; Aug. 26.

Townsend, Charles R. and C. M., Birmingham, England. Caster for application to vehicles. 2,253,824; Aug. 26.

Townsend, Claude M. (See Townsend, Charles R. and C. M.)

Trantin, Jacob, Jr., Youngstown, Ohio. Chromium-molybdenum-carbon alloy. 2,253,873; Aug. 26.

Travis, Ralph L., and B. A. Otte, Sidney, Iowa, assignors to Monteith Bros. Inc., Elkhart, Ind. Pulley. 2,253,591; Aug. 26.

Trexler, Jay, Baltimore, Md. Piston and ring. 2,253,739; Aug. 26.

Trimble Nurseryland Furniture, Inc. (See Baxter, W. C., and De Puy, assignors.)

Trimble Nurseryland Furniture, Inc. (See De Puy, Charles T., assignor.)

Trimount Coin Machine Company. (See Handley, E. W., and Segerstrom, assignors.)

Tucker, William B., Hollywood, and F. W. Taylor, Los Angeles, assignors to Technicolor Motion Picture Corporation, Los Angeles (Hollywood), Calif. Film coupling. 2,253,874; Aug. 26.

Tully, Claude J., Memphis, Tenn. Chair seat. 2,253,825; Aug. 26.

Turner, Howard S. (See Stevens, P. G., and Turner.)

Tweedale, Ralph L., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,253,663; Aug. 26.

Ulmer, William L. (See Medsker, Charles A., assignor.)

Underwood, Elvin M., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Revolving cone mixer. 2,254,127; Aug. 26.

Union Special Machine Company. (See Carlson, John V., assignor.)

Union Switch & Signal Company, The. (See Hedding, L. K., and Johnson, assignors.)

United Shoe Machinery Corporation. (See Dow, Harry E., assignor.)

United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)

United Shoe Machinery Corporation. (See Meyer, Vernon H., assignor.)

United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)

United Shoe Machinery Corporation. (See Naugler, Walter E., assignor.)

United States Rubber Company. (See Desautels, Charles H., assignor.)

United Steel Barrel Company. (See Dodson, Howard W., assignor.)

Universal Milking Machine Company, The. (See Schmitt, J. A., and Schellenberg, assignors.)

Universal Winding Company. (See Hitchcock, Harold W., assignor.)

Utah Radio Products Company. (See Barrett, Edward L., assignor.)

Vacuum-Science Products Limited. (See Van den Bosch, Francois J. G., assignor.)

Vance, Paul A., Fort Wayne, Ind., assignor to General Electric Company. Reactor. 2,253,962; Aug. 26.

Van Cleef Bros. (See Van Cleef, Paul, assignor.)

Van Cleef, Paul, assignor to Van Cleef Bros., Chicago, Ill. Manufacture of tape. 2,253,922; Aug. 26.

Van den Bosch, Francois J. G., assignor to Vacuum-Science Products Limited, London, England. Electron multiplier. 2,254,128; Aug. 26.

Van Fossen, Ralph A. (See Phillips, W. D., and Van Fossen.)

Van Hook, Charles F., Warren Point, N. J. Torque band brake. 2,253,740; Aug. 26.

Van Nest, Francis H., Saugus, Mass., assignor to General Electric Company. Governing mechanism. 2,253,963; Aug. 26.

Van Sant, Victor H., Westfield, assignor to Speed-Jack Corporation, Belleville, N. J. Variable speed transmission. 2,253,921; Aug. 26.

Vatter, Claude A., Long Beach, Calif. Speed controller and brake. 2,253,875; Aug. 26.

Vaughan, Arthur H., assignor to The Electric Furnace Company, Salem, Ohio. Radiant tube heater. 2,253,920; Aug. 26.

Vaughan, Victor G., and J. D. Bolesky, assignors to Metals & Controls Corporation, Attleboro, Mass. Control means. 2,254,054; Aug. 26.

Verduzco, Mariano, Mexico City, Mexico. Level indicator for liquid mixtures. 2,253,992; Aug. 26.

Vermillion, Raymond H., assignor, by mesne assignments, to Brinck Engineering Company, Inc., Los Angeles, Calif. Closure operator and latch. 2,253,826; Aug. 26.

Vickers Incorporated. (See Griffith, Raymond C., assignor.)

Vickers Incorporated. (See Robinson, J., and Esch, assignors.)

Vickers Incorporated. (See Tweedale, Ralph L., assignor.)

Vigo, David, Ann Arbor, Mich. Roll paper holder. 2,253,664; Aug. 26.

Vinton, Arthur R., Little Britain, N. Y. Indicator for revolution counters. 2,253,827; Aug. 26.

Volks, Herbert, Zurich, assignor to Sulzer Freres, Societe Anonyme, (also known as Sulzer Bros. Ltd.), Winterthur, Switzerland. Cooking grill. 2,253,833; Aug. 26.

Volks, Herbert, Zurich, assignor to Sulzer Freres, Societe Anonyme, (also known as Sulzer Bros. Ltd.), Winterthur, Switzerland. Gas-heated cooking grill. 2,253,834; Aug. 26.

Von Allmen, Samuel, and E. Rosselet, assignors to Sandoz, Ltd., Basel, Switzerland. Easily water soluble salts of wool dyestuffs. 2,253,828; Aug. 26.

Von Ardenne, Manfred, Berlin-Lichterfelde, Germany. Electron scanning microscope. 2,253,542; Aug. 26.

Von Geijer, Erik V. W. H. (See Ewerth, Anton G., assignor.)

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Label applying machine. 2,253,923; Aug. 26.

Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion processing. 2,253,665; Aug. 26.

Wagner, Max. Stuttgart, assignor to Daimler-Benz Aktiengeselischaft, Stuttgart-Unterturkheim, Germany. Suspension for independently guided wheels on the chassis especially of motor vhicles. 2,253,666; Aug. 26.

Wahlberg, Nils E., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Motor mounting. 2,253,592; Aug. 26.

Waite, Virgil H., Berea, and B. P. Martin, assignors to The McGean Chemical Company, Cleveland, Ohio. Electroplating. 2,254,161; Aug. 26.

Walker, Harry S. (See Miller, F. M., Shape, and Walker.)

Walters, Carroll V., assignor of one-half to H. J. Burasco, Kansas City, Mo. Envelope. 2,253,876; Aug. 26.

Wantz, Clarence, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Gas cock. 2,253,831; Aug. 26.

Wardwell, George W., Jr., Nichols, Conn., assignor to General Electric Company, Ironer. 2,253,964; Aug. 26.

Warner, Warren A., Portland, Oreg. Plywood wallboard. 2,253,667; Aug. 26.

Warren, Roger M., assignor to The Standard Electric Time Company, Springfield, Mass. Separable electric connector. 2,253,593; Aug. 26.

Washburn Company, The. (See Price, Hubert P., assignor.)

Wassmer, Rudolph O., Brooklyn, N. Y. Combination washing machine and sink. 2,253,965; Aug. 26.

Waters, Harry F., New York, N. Y. Closing apparatus. 2,253,946; Aug. 26.

Watson-Stillman Co. (See Knowles, Edward R., assignor.)

Watterson, Wilfred Q., South Pasadena, assignor to K. L. Frazier, San Gabriel, Calif. Automatic transmission. 2,253,877; Aug. 26.

Weber, William C., Westport, Conn., and W. E. Geissler, Ossining, assignors to Petree & Dorr Engineers, Inc., New York, N. Y. Liquid clarification. 2,253,543; Aug. 26.

Weber, William C., Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y. Tray clarifier. 2,253,878; Aug. 26.

Weddle, Walter A., Roanoke, Va. Stiffening attachment for appliance cords. 2,253,668; Aug. 26.

Wegner, Frederick A., Buffalo, N. Y. Heat distributing means for furnaces. 2,254,111; Aug. 26.

Weinig, Arthur J., Golden, assignor to Morse Bros. Machinery Company, Denver, Colo. Differential driving mechanism. 2,253,535; Aug. 26.

Weisz, Rezsö, Budapest, assignor to Chinoin Gyogyszer És Vegyészeti Termékek Gyára R. T. Dr. Kereszty & Dr. Wolf, Ujpest, Hungary. Estradiol higher fatty acid ester. 2,253,669; Aug. 26.

Wellman, Victor E., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reactivation of spent hydrogenation catalysts. 2,253,835; Aug. 26.

Wenrich, Herbert E. and P. A., Berwick, Pa. Christmas tree ornament. 2,253,879; Aug. 26.

Wenrich, Pearl A. (See Wenrich, Herbert E. and P. A.)

Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Refrigerator control. 2,254,112; Aug. 26.

Werner, Rudolph H., Boulder, Colo. Railway car chock. 2,253,829; Aug. 26.

Wernli, John G., South Pasadena, Calif. Folding ironing board. 2,253,741; Aug. 26.

West, John D. (See Nickles, E. B., and West.)

West, Wilfred H., and L. W. Moore, assignors to Crown Zellerbach Corporation, San Francisco, Calif. Dispenser for interfolded paper. 2,253,742; Aug. 26.

Westerberg, Oliver D. (See Butler, R. F., and Westerberg.)

Western Electric Company. (See Mitchell, Donald H., assignor.)

Western Electric Company. (See Wright, Esmond P. G., assignor.)

Western Machinery Company. (See Bousman, Samuel I., assignor.)

Westinghouse Electric & Manufacturing Company. (See Chladek, W., and Galler, assignors.)

Westinghouse Electric & Manufacturing Company. (See Graham, Paul S., assignor.)

Westinghouse Electric & Manufacturing Company. (See Grover, Elliott E., assignor.

Westinghouse Electric & Manufacturing Company. (See Jordan, Frank W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Kovalsky, Joseph F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lynn, Clarence, assignor.)

Westinghouse Electric & Manufacturing Company. (See Roth, Willard, assignor.)

Wetzel, Theodore A., Milwaukee, and J. S. Furumo, West Allis, assignors to Milwaukee Gas Specialty Company, Milwaukee, Wis. Valve. 2,253,670; Aug. 26.

Wheeling Stamping Company. (See Davis, Walter T., assignor.)

Whitaker, James N., Wechawken, N. J., assignor to Radio Corporation of America. Signaling. 2,253,832; Aug. 26.

Whitaker, James N., Weehawken, N. J., assignor to Radio Corporation of America. Electrical wave generator. 2,254,022; Aug. 26.

White, Clarence, Walnut Park, Calif. Dislodging objects embracing a rod or the like. 2,253,836; Aug. 26.

White, Fred L., assignor to The Osgood Company, Marion, Ohio. Portable excavator. 2,254,192; Aug. 26.

Whitney, Douglas B., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. Vehicle heating and windshield defrosting device. 2,253,671; Aug. 26.

Whitney, F. A., Carriage Company. (See Holman, Paul R., assignor.)

Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Signaling system. 2,253,743; Aug. 26.

Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,254,113; Aug. 26.

Wilcolator Company, The. (See Burch, Lyndon W., assignor.)

Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Press fluid control unit. 2,253,544; Aug. 26.

Wilson & Bennett Manufacturing Company. (See Dale, Colin B., assignor.)

Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Video-frequency signal-translating system. 2,254,114; Aug. 26.

Wilson, Tom, Baltimore, Md., assignor to Bethlehem Steel Company. Valve. 2,253,594; Aug. 26.

Wildt and Company Limited. (See Holmes, H. H., and Hurd, assignors.)

Wiltshire, William A. (See New, A. A., Beckwith, and Wiltshire.)

Winberg, Ragnar W., New York, N. Y. Feeding device for sewing machines. 2,253,993; Aug. 26.

Wineka, Harry W. (See Hochenour, W. L., and Wineka.)

Wingfoot Corporation. (See Baade, Brunolf C., assignor.)

Wingfoot Corporation. (See Burkley, Clement J., assignor.)

Wingfoot Corporation. (See Darling, Frank L., assignor.)

Wingfoot Corporation. (See Haase, J. I., McMahan, and Roese, assignors.)

Wingfoot Corporation. (See Leavenworth, William H., assignor.)

Wingfoot Corporation. (See Russon, Harry R., assignor.)

Wingfoot Corporation. (See Zimmerman, Charles H., assignor.)

Winterhalter, Alfred C., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Cable connector. 2,253,830; Aug. 26.

Witt, Carl A., Detroit, Mich. Tissue dispenser. 2,253,744; Aug. 26.

Witte, William H. (See Calder, E. M., and Witte.)

Wold, Carl O., and C. A. Gustafson, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Scraper. 2,253,745; Aug. 26.

Wolf, Edward, Stockton, Calif. Vehicle transporting device. 2,254,055; Aug. 26.

Wolter, Gerhard, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Contact for vibrators, relays, or the like. 2,253,672; Aug. 26.

Wood, David K., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Packaging machine. 2,254,097; Aug. 26.

Wood, Howard J., Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Titanium oxide production. 2,253,595; Aug. 26.
Woodworth, Laurin D. (See Saylor, W. A., and Woodworth.)
Wortendyke, Raymond D. (See Herfurth, C., and Wortendyke.)
Worthington, Edward H., Dunfield, N. J. Lawn mower. 2,253,924; Aug. 26.
Wright, Esmond P. G., London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical calculating equipment for telephone systems. 2,253,596; Aug. 26.
Wright, George M., Woodham Ferrers, and C. Austin, Stockwell, London, England, assignors to Radio Corporation of America. Frequency indicating instrument. 2,254,023; Aug. 26.
Wussow, Reinhard. (See Fechner, F. W., and Wussow.)
Wyman, Guy C., Chatham, assignor to London P. Smith, Inc., Irvington, N. J. Glass cutting device. 2,254,162; Aug. 26.
Wyne, Robert S., Kansas City, Mo. Motor driven pump mounting. 2,253,597; Aug. 26.
York Ice Machinery Corporation. (See Zieber, William E., assignor.)
Young, John R. (See Sahlin, H., and Young.)
Zaiger, Louis, Lynn, Mass. Flexible-bladed fan. 2,254,024; Aug. 26.
Zelcer, F. William. (See Serkau, Gabriel G., assignor.)
Zemba, John W. (See Britton, E. C., Coleman, and Zemba.)
Zenner, Raymond E., Brookfield, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,253,546; Aug. 26.
Zenner, Raymond E., assignor to Teletype Corporation, Chicago, Ill. Printing telegraph apparatus. 2,253,545; Aug. 26.
Zieber, William E., assignor to York Ice Machinery Corporation, York, Pa. Apparatus for producing carbon dioxide snow blocks. 2,253,880; Aug. 26.
Ziebolz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Pattern controlled mechanism for tools and the like. 2,254,098; Aug. 26.
Zimmerman, Charles H., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Safety tube. 2,253,746; Aug. 26.
Zimmerman, Merle A., New York, N. Y. Method and apparatus for rectification, absorption, and gas scrubbing. 2,253,925; Aug. 26.
Zimmermann, William F., Maplewood, assignor to Gould & Eberhardt, Newark, N. J. Shaper crossrail lubricating system. 2,254,163; Aug. 26.
Zingsheim, Edward W. (See Peterson, C. D., Zingsheim, and Burkhalter.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF AUGUST, 1941

NOTE.---Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for pulling tape. J. S. Cavalcante. Re. 21,884; Aug. 26.
Felts, Industrial and paper-makers. P. H. Walsh and P. T. Gates. Re. 21,890; Aug. 26.
Hosiery. J. C. J. Strahan. Re. 21,889; Aug. 26.
Internal combustion engine. C. L. Johnson. Re. 21,886; Aug. 26.
Phonograph drive. B. A. Proctor. Re. 21,888; Aug. 26.
Pouch, Tobacco. L. M. Klein. Re. 21,887; Aug. 26.
Scraper, Tiltable bottom cable operated. H. C. French. Re. 21,885; Aug. 26.

LIST OF PLANT INVENTIONS

Freesia plant. C. J. Van Bourgondien. 486–8; Aug. 26.

LIST OF DESIGN INVENTIONS

Badge. H. W. Kenaston. 129,125; Aug. 26.
Bottle. H. L. Dexter. 129,158; Aug. 26.
Bottle. E. L. Du Pree. 129,160; Aug. 26.
Bottle. B. D. Fuerst. 129,163; Aug. 26.
Bottle. G. Grunberg. 129,167; Aug. 26.
Bottle. C. A. Lasley. 129,172; Aug. 26.
Bottle. A. R. Tobias. 129,194; Aug. 26.
Bottle or similar article. D. Fischman. 129,162; Aug. 26.
Box, Display. L. D. Young. 129,136; Aug. 26.
Brooch or similar article. A. Philippe. 129,181–9; Aug. 26.
Camera carrying case. J. A. Sprague. 129,108; Aug. 26.
Carrier, Bottle. E. W. Hutchings. 129,171; Aug. 26.
Casing for sound apparatus. D. C. Rockola. 129,205; Aug. 26.
Chair. C. W. Burst. 129,157; Aug. 26.
Clip, Pin. N. Bel Yeddes. 129,164–5; Aug. 26.
Clip, Pin. A. Philippe. 129,179–80; Aug. 26.
Coat. E. Minkoff. 129,217; Aug. 26.
Coat. S. Zimmerman. 129,253; Aug. 26.
Coat lining. L. A. Siegel. 129,152; Aug. 26.
Confection. E. L. Schoettle. 129,133; Aug. 26.
Display device, Animated. A. B. Leech. 129,150; Aug. 26.
Dress. I. Buchholz. 129,209–10; Aug. 26.
Dress. M. Carbotti. 129,211–14; Aug. 26.
Dress. M. Carbotti. 129,222–4; Aug. 26.
Dress. C. Charles. 129,143; Aug. 26.
Dress. E. Cutler. 129,215–16; Aug. 26.
Dress. S. Elmo. 129,226–7; Aug. 26.
Dress. M. Fields. 129,228–9; Aug. 26.
Dress. L. Hoshafian. 129,170; Aug. 26.
Dress. L. Hoshafian. 129,232–3; Aug. 26.
Dress. P. Kaperst. 129,234–5; Aug. 26.
Dress. C. S. Lubow. 129,174; Aug. 26.
Dress. C. S. Lubow. 129,237; Aug. 26.
Dress. M. Pono. 129,238; Aug. 26.
Dress. N. Renke. 129,129; Aug. 26.
Dress. M. J. Shapiro. 129,240–2; Aug. 26.
Dress. N. Shapiro. 129,239; Aug. 26.
Dress. R. Sternberg. 129,243; Aug. 26.
Dress. M. E. Tetreault. 129,244; Aug. 26.
Dress. J. Walker. 129,218; Aug. 26.
Dress. J. Walker. 129,245–6; Aug. 26.
Dress. A. W. Weinberg. 129,247; Aug. 26.
Dress. E. Wener. 129,248; Aug. 26.
Dress. M. Wuerth. 129,220; Aug. 26.
Dress. M. Wuerth. 129,249–50; Aug. 26.
Dress. S. Zahn. 129,221; Aug. 26.
Dress. S. Zahn. 129,251; Aug. 26.
Dress ensemble. F. C. Brogan. 129,138; Aug. 26.
Dress ensemble. G. Constantine. 129,225; Aug. 26.
Dress ensemble. W. Hermann. 129,230; Aug. 26.
Dress ensemble. M. Hobgood. 129,231; Aug. 26.
Dress ensemble. S. B. Kaufman. 129,124; Aug. 26.
Dress ensemble. E. Wener. 129,219; Aug. 26.
Emblem plate or similar article, Automobile. M. D. McCormick. 129,176; Aug. 26.
Fabric or similar article, Textile. A. Zavell. 129,252; Aug. 26.
Fender guard, Motorcycle. C. A. Comiskey. 129,102; Aug. 26.
Figurine or similar article. J Herbst. 129,147–8; Aug. 26.
Figurine or similar article. J. Herbst. 129,201–2; Aug. 26.
Flash light, or similar article. L. Brodton. 129,155; Aug. 26.
Fork or similar article. W. T. Brown. 129,156; Aug. 26.
Game apparatus. D. Gottlieb. 129,103; Aug. 26.
Game board. J. Sears. 129,106; Aug. 26.
Game board. W. C. Steindel. 129,153; Aug. 26.
Game board. G. Weller, Jr. 129,154; Aug. 26.
Game device, Geographic amusement. M. W. Kutscher. 129,104; Aug. 26.
Golf apparatus, Indoor. D. S. Baker. 129,137; Aug. 26.
Gown, Wedding. J. Scharlott. 129,192; Aug. 26.
Grille for a lighting fixture. N. H. Vacha. 129,135; Aug. 26.
Handbag. S. R. Goldsmith. 129,166; Aug. 26.
Handbag. F. N. Lewis. 129,151; Aug. 26.
Handbag. I. Pichel. 129,190; Aug. 26.
Handle, House door. C. Stulken. 129,193; Aug. 26.
Heater, Water. H. Dreyfuss. 129,144–5; Aug. 26.
Holder, Match. N. Levin. 129,173; Aug. 26.
Jacket. S. Grossman. 129,199; Aug. 26.
Knife, Transparent plastic. H. R. Talbot. 129,134; Aug. 26.
Lamp shade support. R. Beardsley and J. T. Martin 129,112–17; Aug. 26.
Lead pencil or similar article. H. Dreyfuss. 129,159; Aug. 26.
Lens, Lamp. R. Cadwallader. 129,140–2; Aug. 26.
Pocket receptacle, Flexible. W. R. Buxton. 129,139; Aug. 26.
Railway station unit, Elevated. J. O. Heinze. 129,200; Aug. 26.
Robe, Chenille. I. Weiser. 129,195; Aug. 26.
Roller skate. E. G. McCandlish. 129,175; Aug. 26.
Sachet figurine. I. Van Arlt. 129,207–8; Aug. 26.
Scoop. R. Dunlap. 129,146; Aug. 26.
Shoe or similar article. N. Elkin. 129,196–8; Aug. 26.
Shoe or similar article. F. Joyce. 129,120–3; Aug. 26.
Sign. M. Hauser. 129,168; Aug. 26.
Skirt, Packaged. C. Larison. 129,236; Aug. 26.
Slip. E. Samek. 129,107; Aug. 26.
Slipper. F. J. Shields. 129,206; Aug. 26.
Spectacle frame. H. K. Halikman. 129,119; Aug. 26.
Spoon or other article of flatware. M. A. Downs. 129,118; Aug. 26.
Spring tester or similar article. P. A. Sturtevant. 129,109; Aug. 26.
Stitcher, Portable. R. G. Hoffert. 129,169; Aug. 26.
Suit. S. Salsky. 129,191; Aug. 26.
Sunglasses, Pair of. W. Huppert. 129,203; Aug. 26.
Sweater, Knitted. M. Philip. 129,178; Aug. 26.
Switch, Hand. J. P. Fischer. 129,161; Aug. 26.
Table cloth, Lace. F. P. Otto. 129,105; Aug. 26.
Tape serving machine. T. H. Krueger. 129,126–7; Aug. 26.
Terminal, Battery connector. W. J. Padgett. 129,204; Aug. 26.
Tie clip and nail file, Combined. D. H. Reynolds. 129,130–2; Aug. 26.
Tool grinding machine. R. B. Pealer. 129,177; Aug. 26.
Tool, Swaging. L. P. Jones. 129,149; Aug. 26.
Toy balloon or similar article. D. B. van Dam. 129,110; Aug. 26.
Tray or article of similar nature, Photographic developing. W. B. Moore. 129,128; Aug. 26.
Veiling or similar article. L. Young. 129,111; Aug. 26.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF AUGUST, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption. G. W. Brant. 2,253,755; Aug. 26.
Accessory. F. E. Heatwole. 2,254,143; Aug. 26.
Acids, Substituted hydroxyaromatic. O. M. Reiff. 2,253,811; Aug. 26.
Acoustical assembly. J. Y. Dunbar. 2,253,953; Aug. 26.
Aerating and filtering device for aquariums. J. F. Haldeman. 2,253,516; Aug. 26.
Aileron. H. D. Fowler. 2,254,196; Aug. 26.
Air conditioning system. A. B. Newton. 2,254,185; Aug. 26.
Aircraft construction. H. Klemm. 2,254,152; Aug. 26.
Airplane, Model. C. Teuschler. 2,253,661; Aug. 26.
Alloy: *See*—
Chromium - molybdenum - carbon alloy. Radioactive alloy.
Alloy for structures operating under pressure and/or sliding motion, Hard metal. W. Dawihl and A. Fehse. 2,253,969; Aug. 26.
Amusement device, Aquatic. H. C. Karst. 2,253,936; Aug. 26.
Anchor, Blasting fuse. T. E. Barton. 2,253,549; Aug. 26.
Anchor, Rail. S. B. Haseltine. 2,253,704; Aug. 26.
Antenna system, Resonant. W. L. Barrow. 2,253,501; Aug. 26.
Apparatus and method of cutting articles from sheets and the like. E. Matha. 2,253,636; Aug. 26.
Apparatus for cementing wells. D. Scaramucci. 2,253,536–7; Aug. 26.
Apparatus for cleaning the suction surface on a suction head carrying wrappers in cigar machines. C. F. Röber. 2,253,868; Aug. 26.
Apparatus for curing belts. W. H. Leavenworth. 2,253,792; Aug. 26.
Apparatus for fabricating thermoelectric generators. P. L. Dulaney. 2,253,771; Aug. 26.
Apparatus for handling sheet material. F. Palewick, M. Drescher, and M. F. Rosentreter. 2,253,529; Aug. 26.
Apparatus for manufacturing covered belt buckles. S. Levin and L. Rosenberg. 2,254,077; Aug. 26.
Apparatus for measuring the length of strip material. H. Grünbaum. 2,253,701; Aug. 26.
Apparatus for molding of plastic articles. W. T. Davis. 2,253,611; Aug. 26.
Apparatus for producing carbon dioxide snow blocks. W. E. Zieber. 2,253,880; Aug. 26.
Apparatus for receiving strippings of cotton and the like. W. H. Goldsmith, Jr. 2,253,698; Aug. 26.
Apparatus for sueding cloth. G. M. Curtin. 2,253,558; Aug. 26.
Apparatus for testing well samples. P. G. Exline. 2,254,006; Aug. 26.
Apparatus for the production of ice. F. W. Fechner and R. Wissow. 2,253,512; Aug. 26.
Apparatus for training aerophonists in sound detection. G. Sperti. 2,254,159; Aug. 26.
Apparatus for treating fruits and vegetables. W. C. Hill. 2,253,784; Aug. 26.
Applicator, Fountain. J. Gutiérrez. 2,253,779; Aug. 26.
Attachment for appliance cords, Stiffening. W. A. Weddle. 2,253,668; Aug. 26.
Automobile body construction. E. G. Simpson. 2,253,818; Aug. 26.
Automobile jack. M. Jensen. 2,254,149; Aug. 26.
Automobile protective screen. J. P. Bielin. 2,254,137; Aug. 26.
Awning. A. Bruns. 2,253,843; Aug. 26.
Bay: *See*—
Syringe bag.
Bait carrier. E. D. Collins. 2,253,688; Aug. 26.
Ball objective. C. Livingston. 2,253,796; Aug. 26.
Bag: *See*—
Display bar.
Basket, Bicycle. H. P. Price. 2,253,649; Aug. 26.
Bath stand and dressing table, Infant's folding. W. C. Baxter and C. T. De Phy. 2,253,995; Aug. 26.
Battery, Storage. G. E. Petrosky. 2,254,110; Aug. 26.
Bearing: *See*—
Pump-jack bearing. Submersible bearing.
Bearing. A. Langsner. 2,253,569; Aug. 26.
Bearing tool, Camshaft. G. L. Clickner. 2,253,845; Aug. 26.
Bed, Sofa. R. O. Smith. 2,253,658; Aug. 26.
Bell cord and receptacle holder. E. W. Crim. 2,253,847; Aug. 26.
Belt and buckle. L. L. Sherwood. 2,253,816; Aug. 26.
Belt elevator. R. J. Cooper and E. D. O'Brien. 2,254,116; Aug. 26.
Bender, Metal bead. M. Lehman. 2,253,906; Aug. 26.
Bending die. R. F. McMahan. 2,253,639; Aug. 26.
Binding tool. C. E. Brooks. 2,254,165; Aug. 26.
Block: *See*—
Page turning block.
Blocking device, Lens. L. W. Goddu. 2,253,954; Aug. 26.
Board: *See*—
Ironing board.
Boot, Equine. O. Augspurger. 2,253,837; Aug. 26.
Boot tree. L. B. Plotkin. 2,253,725; Aug. 26.
Bottle washer. J. P. McKinley and W. P. Ackland. 2,253,912; Aug. 26.
Bowling ball. F. Serpico. 2,253,872; Aug. 26.
Bracket for valance rails. A. Powell. 2,254,019; Aug. 26.
Bracket support, Combination shade and curtain. L. H. Robinson. 2,253,584; Aug. 26.
Brake: *See*—
Torque band brake. Trailer brake.
Brake wheel, particularly for aircraft. H. Klaue. 2,254,074; Aug. 26.
Bread, Continuously manufacturing. J. T. Duffy, Jr. 2,253,770; Aug. 26.
Bread slicing machine. W. E. Bettendorf. 2,254,099; Aug. 26.
Brew cooling equipment. G. D. Peet. 2,253,940; Aug. 26.
Brick and the manufacture thereof, Chrome refractory. R. P. Heuer. 2,253,620; Aug. 26.
Brush. J. M. Spyckaboer. 2,254,160; Aug. 26.
Brush protecting device. L. B. Blackledge. 2,253,678; Aug. 26.
Buckle. H. Beazley. 2,253,749; Aug. 26.
Builder, Bunch. H. H. Holcombe. 2,254,178; Aug. 26.
Building construction. W. O. Lytle. 2,254,044; Aug. 26.
Building units, Process and apparatus for the manufacture of hollow. W. Owen. 2,254,086; Aug. 26.
Built-in gas generator for industrial furnaces. W. Roth. 2,254,047; Aug. 26.
Bumper structure. D. S. Devor. 2,253,931; Aug. 26.
Burner: *See*—
Oil burner.
Butter dish, Controlled temperature. R. F. Butler and O. D. Westerberg. 2,253,927; Aug. 26.
Cabinet: *See*—
Dispensing cabinet.
Cabinet for ironing boards and breakfast tables. W. N. James. 2,254,071; Aug. 26.
Cable: *See*—
Gas filled cable.
Cable connector. A. C. Winterhalter. 2,253,830; Aug. 26.
Cage, Centering. R. Arnold. 2,253,675; Aug. 26.
Calculating equipment for telephone systems, Electrical. E. P. G. Wright. 2,253,596; Aug. 26.
Calculating machine. H. T. Avery. 2,253,748; Aug. 26.
Cam actuated machine. O. R. Haas. 2,253,619; Aug. 26.
Cam angle Tester. G. V. Eltgroth. 2,254,175; Aug. 26.
Cambering mechanism for grinding machines. C. L. Schulte and A. J. Graf. 2,254,020; Aug. 26.
Capacitor and impregnant therefor, Electrolytic. F. M. Clark. 2,253,507; Aug. 26.
Car cleaning machine, Portable. A. W. Byron and J. Torok. 2,253,609; Aug. 26.
Car construction. O. C. Duryea. 2,254,138; Aug. 26.
Carburetor. A. Ferguson. 2,253,901; Aug. 26.
Card reference system and means for mounting same, Visible. B. Lapper. 2,253,630; Aug. 26.
Carrier: *See*—
Bait carrier.
Carryall and drag scraper, Combined. G. Petrucci. 2,253,808; Aug. 26.
Caster for application to vehicles. C. R. and C. M. Townsend. 2,253,824; Aug. 26.
Casting machine, Plastic. N. Lester. 2,254,119; Aug. 26.
Catalysts, Activating. W. L. Semon. 2,253,871; Aug. 26.
Catalysts, Reactivation of spent hydrogenation. V. E. Wellman. 2,253,835; Aug. 26.
Catalytic apparatus. G. S. Dunham. 2,253,510; Aug. 26.
Cathode ray tube envelope. D. W. Power. 2,254,090; Aug. 26.
Ceanothus americanus extract. G. C. Taylor. 2,254,051; Aug. 26.
Cellulose, Esterification of. A. A. New, D. R. Beckwith, and W. A. Wiltshire. 2,253,724; Aug. 26.
Chair seat. C. J. Tully. 2,253,825; Aug. 26.
Change-over and shutter control for moving picture projectors. C. S. Thide. 2,254,052; Aug. 26.
Change-over device. J. J. Shanley. 2,253,944; Aug. 26.
Chaser tripping means. W. J. Hogg. 2,253,523; Aug. 26.
Chlorine and sodium sulphate, Making. N. A. Laury. 2,254,014; Aug. 26.

Chock, Railway car. R. H. Werner. 2,253,829; Aug. 26.
Chromium-molybdenum-carbon alloy. J. Trantin, Jr. 2,253,873; Aug. 26.
Chute, Extensible. W. E. Blain. 2,253,604; Aug. 26.
Cigarette extinguisher construction. J. C. Goodson. 2,253,778; Aug. 26.
Cigarette holder. H. C. Prentice. 2,253,648; Aug. 26.
Circuit: *See*—
Control circuit. Receiving circuit.
Circuit breaker. W. H. Frank. 2,254,067; Aug. 26.
Circuit-breaking electric switch, Automatic. J. A. Kammerdiner. 2,253,957; Aug. 26.
Circuit controlling device. H. L. Mekelburg. 2,254,121; Aug. 26.
Circuit interrupting means. G. F. McMahon. 2,253,719; Aug. 26.
Clamp: *See*—
Conductor clamp. Hose clamp.
Clamp for wire fabric stretchers. J. E. Dopson. 2,253,768; Aug. 26.
Clarifier, Tray. W. C. Weber. 2,253,878; Aug. 26.
Cleaner: *See*—
Suction cleaner.
Cleaning and disinfecting machine. B. Steinhilber. 2,253,539; Aug. 26.
Cleaning device for liquid supply tanks. W. C. Dort. 2,253,509; Aug. 26.
Cleaning pans. G. Harback. 2,253,855; Aug. 26.
Cleanup agents. J. D. McQuade. 2,253,862; Aug. 26.
Clip fastener for corrugated sheets. H. T. Richardson. 2,253,916; Aug. 26.
Clip machine, Terminal. C. J. Keller. 2,254,117; Aug. 26.
Clock. F. Lux. 2,253,715; Aug. 26.
Clock and globe. M. Alland. 2,253,747; Aug. 26.
Closing apparatus. H. F. Waters. 2,253,946; Aug. 26.
Closure. O. D. Kingsland. 2,254,150; Aug. 26.
Closure device for container openings. H. W. Dodson. 2,254,005; Aug. 26.
Closure for tubes. K. Totschnig. 2,253,738; Aug. 26.
Closure operator and latch. R. H. Vermillion. 2,253,826; Aug. 26.
Clutch: *See*—
Synchronizing clutch.
Clutch. T. B. Martin. 2,253,716; Aug. 26.
Coal washing apparatus. W. Burnett, Jr. 2,253,760; Aug. 26.
Coating apparatus. R. L. Melton, R. C. Benner, and H. P. Kirchner. 2,254,016; Aug. 26.
Coffee maker, Siphoning. B. B. Harding. 2,253,783; Aug. 26.
Coin collector apparatus. D. G. Blattner. 2,253,839; Aug. 26.
Coin collector apparatus. J. M. Melick. 2,253,863; Aug. 26.
Compensator, Ground potential. L. C. Roberts. 2,253,583; Aug. 26.
Compressor system, Dual capacity. B. W. Mantle. 2,253,859; Aug. 26.
Concrete, Molding. J. C. Séailles. 2,253,730; Aug. 26.
Conductor clamp. D. I. Bohn. 2,253,550; Aug. 26.
Conductor, Insulated electrical. L. Carl and P. Nowak. 2,253,967; Aug. 26.
Conduit construction, Electric trolley. E. A. Horn. 2,254,147; Aug. 26.
Cone mixer, Revolving. E. M. Underwood. 2,254,127; Aug. 26.
Confections, Manufacturing frozen. L. Loewenstein. 2,253,909; Aug. 26.
Connector: *See*—
Cable connector. Electric connector.
Connector for hydrometers. D. E. Cruse. 2,254,102; Aug. 26.
Contact, Electric make and break. S. Ruben. 2,253,533; Aug. 26.
Contact for vibrators, relays, or the like. G. Wolter. 2,253,672; Aug. 26.
Container: *See*—
Dispensing container. Refrigerant container.
Flowerpot container. Service container.
Paper container.
Container. A. J. Kinsman. 2,253,565; Aug. 26.
Contrivance for treating materials within a gas atmosphere of increased pressure. W. Doderer. 2,253,897; Aug. 26.
Control circuit. A. P. Bloxsom. 2,253,840; Aug. 26.
Control instrument. J. A. Caldwell. 2,253,928; Aug. 26.
Control means. V. G. Vaughan and J. D. Bolesky. 2,254,054; Aug. 26.
Control system, Motor. C. Lynn. 2,254,043; Aug. 26.
Control system, Selectivity. K. Rath. 2,253,942; Aug. 26.
Control unit, Press fluid. S. T. Williams. 2,253,544; Aug. 26.
Controller and brake, Speed. C. A. Vatter. 2,253,875; Aug. 26.
Controller, Coin actuated remote. L. J. Andres. 2,253,674; Aug. 26.
Converter. C. E. Lomax. 2,253,937; Aug. 26.
Convertible table. A. Gipson. 2,253,777; Aug. 26.
Convertible vehicle. N. W. Augustine. 2,254,193–4; Aug. 26.
Conveyer. W. S. Campbell. 2,253,761; Aug. 26.
Conveyer. D. H. Mitchell. 2,253,572; Aug. 26.
Conveyer of the endless band type. J. C. Paterson. 2,253,913; Aug. 26.
Cooking device. W. L. Kochenour and H. W. Wineka. 2,253,567; Aug. 26.
Cooler: *See*—
Milk cooler.
Core removing device. R. Frutchey. 2,253,851; Aug. 26.
Counter mechanism. K. Meer. 2,253,721; Aug. 26.
Coupling: *See*—
Film coupling. Swiveled coupling.
Coupling device. J. T. Krapp. 2,253,628; Aug. 26.
Cover for ironer rolls and beds. J. A. Castricone. 2,253,949; Aug. 26.
Covering, Building. E. R. Black. 2,253,753; Aug. 26.
Crane or the like, Remotely controlled. E. B. Nickles and J. D. West. 2,254,083; Aug. 26.
Crate, Shipping. C. H. Roumillat. 2,253,726; Aug. 26.
Cream separator. J. and A. Persoons. 2,253,647; Aug. 26.
Crease forming means, Permanent. D. and S. Segelin. 2,253,732; Aug. 26.
Crucible furnace. K. D. Hoke. 2,253,707; Aug. 26.
Curl holder. H. F. Luengen. 2,253,498; Aug. 26.
Curler, Hair. L. Eisenman. 2,254,139; Aug. 26.
Current supply device for resistors of electric furnaces. Y. Peyches. 2,253,981; Aug 26.
Curtain rod support. M. A. Dodge. 2,253,898; Aug. 26.
Cutoff tool and holder. D. S. Anthony. 2,254,056; Aug. 26.
Cutter. F. W. Knobel. 2,253,905; Aug. 26.
Cutter attachment for tractors, Ensilage. R. H. Lindholm. 2,253,794; Aug. 26.
Cutting machine. W. W. Pearson. 2,254,046; Aug. 26.
Cutting machine, Gear. G. H. Bryan. 2,253,683; Aug. 26.
Cutting off machine. W. B. Poppenga. 2,254,188; Aug. 26.
Dabbing brush for wool combing machines. T. Lorimer. 2,254,015; Aug. 26.
Dam for irrigating ditches, Portable. T. E. Sample. 2,253,727; Aug. 26.
Deck lid support. G. N. Harden. 2,253,561; Aug. 26.
Degreasing unit, Portable. W. D. Phillips and R. A. Van Fossen. 2,253,579; Aug. 26.
Desk top and book compartment, Adjustable. W. J. Bargen. 2,254,133; Aug. 26.
Detachable wheel. P. R. Holman. 2,253,708; Aug. 26.
Device including receiving elements fed by compressed gas generators. R. Paterna Pescara. 2,253,530; Aug. 26.
Die: *See*—
Bending die.
Die for molding or casting optical lenses. P. Genesy. 2,253,697; Aug. 26.
Dies for molding contact lenses, Making. F. L. G. Kollmorgen. 2,253,497; Aug. 26.
Differential pump. J. K. Douglas. 2,254,103; Aug. 26.
Direction indicating signal. E. D. Maloy. 2,254,078; Aug. 26.
Discharge device, Electron beam. H. C. Thompson. 2,254,095–6; Aug. 26.
Dispenser: *See*—
Insecticide dispenser. Toothpick dispenser.
Tissue dispenser.
Dispenser. W. A. Starrett. 2,253,945; Aug. 26.
Dispenser for interfolded paper. W. H. West and L. W. Moore. 2,253,742; Aug. 26.
Dispensing cabinet, Cup. S. N. Hope. 2,254,038; Aug. 26.
Dispensing container. R. H. Brosius. 2,253,887; Aug. 26.
Dispensing machine. L. M. Persons. 2,253,807; Aug. 26.
Dispensing system, Beverage. V. Beecher. 2,253,884; Aug. 26.
Display bar, Beverage dispensing. V. Beecher. 2,253,883; Aug. 26.
Display rack. J. I. Blum. 2,253,841; Aug. 26.
Display stand. E. J. Condon. 2,253,764; Aug. 26.
Distance determining system. G. Guanella. 2,253,975; Aug. 26.
Distillation process. W. W. Kraft. 2,254,182; Aug. 26.
Door for cabinets, Mirror. C. B. Ricken. 2,254,190; Aug. 26.
Door handle. J. C. Kuckhoff. 2,254,040; Aug. 26.
Door lock and finger grip, Sliding. H. Cordrey and W. J. Duvall. 2,253,496; Aug. 26.
Door lock, Sliding. H. Cordrey and W. J. Duvall. 2,253,495; Aug. 26.
Double acting pump. H. P. Anderson and F. L. Johnstone. 2,253,926; Aug. 26.
Drafting tool, Dressmaker's garment. C. Lein and B. L. Kealoha. 2,254,041; Aug. 26.
Drill jars, Making. L. B. Smith. 2,253,735; Aug. 26.
Drinking fountain, Sanitary. S. E. Arneson. 2,253,600; Aug. 26.
Drive mechanism, Reduction. J. W. Kinnucan. 2,253,977; Aug. 26.
Driving mechanism, Differential. A. J. Weinig. 2,253,535; Aug. 26.
Egg whites, Treating. L. E. Hess. 2,253,518; Aug. 26.
Electric connector, Separable. R. M. Warren. 2,253,593; Aug. 26.

Electric motor. W. R. Appelman, J. T. Howes, and J. V. Dalnodar. 2,253,599; Aug. 26.
Electric switch. E. C. Brown. 2,253,756; Aug. 26.
Electric switch. L. W. Cook. 2,253,968; Aug. 26.
Electrolyte composition. F. M. Clark. 2,253,506; Aug. 26.
Electrolytic device. J. B. Brennan. 2,253,504; Aug. 26.
Electron multiplier. F. J. G. Van den Bosch. 2,254,128; Aug. 26.
Electroplating. V. H. Waite and B. P. Martin. 2,254,161; Aug. 26.
Embalming fluid. H. I. Jones. 2,263,625; Aug. 26.
Emulsions, Forming. A. H. Schutte. 2,254,049; Aug. 26.
Engine: *See*—
Internal combustion engine.
Engine. H. D. J. Cantoni. 2,253,505; Aug. 26.
Engine control for marine engines. A. J. Higgins. 2,254,144; Aug. 26.
Engine foundation for vehicles. B. C. Baade. 2,253,676; Aug. 26.
Envelope. C. V. Walters. 2,253,876; Aug. 26.
Ester complexes and producing same; T. F. Bradley and W. B. Johnston. 2,253,681; Aug. 26.
Ester, Estradiol higher fatty acid. R. Welsz. 2,253,669; Aug. 26.
Ethers, Production of. L. P. Moore. 2,253,723; Aug. 26.
Excavator, Portable. F. L. White. 2,254,192; Aug. 26.
Exercising device. G. C. Bulloch. 2,253,758; Aug. 26.
Exercising device. W. B. Bechman. 2,253,996; Aug. 26.
Exhibitor, Changeable. J. I. Robin. 2,253,869; Aug. 26.
Expansion joint, Self-conditioning. A. C. Fischer. 2,253,513; Aug. 26.
Eye protecting means for vehicles. W. D. Crowell. 2,253,766; Aug. 26.
Eyeleting machine. W. E. Naugler. 2,253,644; Aug. 26.
Fabric: *See*—
Knitted elastic fabric. Knitted fabric.
Fabric and manufacturing the same, Knitted. E. Hughes. 2,253,956; Aug. 26.
Fan, Flexible-bladed. L. Zaiger. 2,254,024; Aug. 26.
Fastener. E. Kern. 2,253,712; Aug. 26.
Fastener. S. S. Joslyn. 2,254,180; Aug. 26.
Feeding device for hairpins and the like. L. V. Bregou. 2,253,885; Aug. 26.
Feeding device for sewing machines. R. W. Winberg. 2,253,993; Aug. 26.
Feeler mechanism, Filling. W. J. Budzyna. 2,254,100; Aug. 26.
Fibers for spinning, Preparation of staple. W. F. Bird. 2,254,058; Aug. 26.
Fibers, Preparation of staple. W. F. Bird. 2,254,059; Aug. 26.
Filing equipment. E. Kern. 2,253,788; Aug. 26.
Film coupling. W. B. Tucker and F. W. Taylor. 2,253,874; Aug. 26.
Film, Plasticized organic solvent soluble cellulosic. W. D. R. Straughn. 2,253,821; Aug. 26.
Filter. R. N. Burckhalter. 2,253,684–6; Aug. 26.
Filter. W. P. Dalrymple. 2,253,690; Aug. 26.
Filter construction. T. De Grave. 2,253,692; Aug. 26.
Fire extinguisher. H. E. Armstrong. 2,253,601; Aug. 26.
Flashlight. A. J. Desimone. 2,253,951; Aug. 26.
Flashlight. A. J. Desimone. 2,253,952; Aug. 26.
Floor construction. A. B. Rice. 2,253,943; Aug. 26.
Flow and temperature regulator for gas burners. A. Quoos. 2,253,866; Aug. 26.
Flowerpot container. P. C. Simmons. 2,253,817; Aug. 26.
Fluid distributing system. D. R. Hillis. 2,253,785; Aug. 26.
Fluid pump. H. Nilson. 2,254,084; Aug. 26.
Fluoranthene and making same, Derivatives of. W. Kern, T. Holbro, and R. Tobler. 2,253,789; Aug. 26.
Flush lock. G. R. Adams. 2,253,547; Aug. 26.
Folder, Binder. H. B. McClure. 2,254,081; Aug. 26.
Folding dressing table. C. T. De Puy. 2,254,004; Aug. 26.
Footwear, Article of. F. H. Martin. 2,253,860; Aug. 26.
Formaldehyde solutions, Stabilization of the acidity of. P. I. Bowman and J. Burton. 2,253,990; Aug. 26.
Frequency changer, Inductor. F. W. Baumann. 2,253,966; Aug. 26.
Frequency multiplier. L. E. Norton. 2,253,575; Aug. 26.
Friction element. D. S. Bruce. 2,253,608; Aug. 26.
Fuel pump. H. C. Edwards. 2,254,174; Aug. 26.
Fuels, Treating motor. F. L. McKennon. 2,253,638; Aug. 26.
Furnace: *See*—
Crucible furnace.
Furniture clamp for Duncan Phyfe tables. J. M. Lancaster. 2,253,713; Aug. 26.
Fuse construction. G. F. McMahon. 2,253,720; Aug. 26.
Game. J. C. Kelly. 2,253,787; Aug. 26.
Game. A. T. Linney. 2,254,154; Aug. 26.
Game apparatus. N. P. Bloom. 2,253,605; Aug. 26.
Game, Ball rolling. L. A. Durant. 2,253,695; Aug. 26.
Game counter. F. A. Humphreys. 2,253,563; Aug. 26.
Game, Dominoes. P. M. Suteras. 2,253,823; Aug. 26.
Gas cock. C. Wantz. 2,253,831; Aug. 26.
Gas compressing apparatus and regulating the same. H. Pfenninger. 2,253,809; Aug. 26.
Gas cutting apparatus. F. Stoneberg. 2,253,540; Aug. 26.
Gas filled cable. G. B. Shanklin. 2,253,986; Aug. 26.
Gas filled cable and making the same. G. B. Shanklin. 2,253,984; Aug. 26.
Gauge: *See*—
Pressure gauge.
Gauge. B. Newberry. 2,253,803; Aug. 26.
Gear arrangement and the like, Turbine driven. E. D. Dickinson. 2,253,970; Aug. 26.
Gearing, Change speed. A. P. Kearns. 2,253,711; Aug. 26.
Gearing, Friction. J. Beier. 2,253,750; Aug. 26.
Gelatin milk dessert composition and preparing the same. C. H. Epstein and N. R. Gotthoffer. 2,253,614; Aug. 26.
Generation and transmission of high frequency oscillations. A. E. Bowen. 2,253,503; Aug. 26.
Generator: *See*—
Oscillation generator. Wave generator.
Germicide. F. W. Ames. 2,254,129; Aug. 26.
Glass cutting device. G. C. Wyman. 2,254,162; Aug. 26.
Glove. C. Jones and C. Herman. 2,253,710; Aug. 26.
Glycerides, Process of hydrolyzing. E. A. Nill. 2,254,109; Aug. 26.
Governing mechanism. F. H. Van Nest. 2,253,963; Aug. 26.
Grain pickup for combines. E. G. Melroe. 2,253,797; Aug. 26.
Grill, Cooking. H. Volks. 2,253,833; Aug. 26.
Grill, Gas-heated cooking. H. Volks. 2,253,834; Aug. 26.
Grinding device, Tool. J. V. Carlson. 2,253,687; Aug. 26.
Grinding machine. J. Decker and H. Ernst. 2,254,002; Aug. 26.
Grinding machine. C. Herfurth and R. D. Wortendyke. 2,254,010; Aug. 26.
Guanidine, Symmetrical di-2-octyl. I. Heckenbleikner. 2,254,009; Aug. 26.
Guide for elevator cars. W. Spiro. 2,253,820; Aug. 26.
Gun sight. L. H. Brown. 2,253,948; Aug. 26.
Hairpin. R. Larson. 2,254,013; Aug. 26.
Handbag, Lady's. B. R. Brody. 2,253,682; Aug. 26.
Handle: *See*—
Door handle. Tool handle.
Harness, Ski. E. H. Carroll. 2,253,889–90; Aug. 26.
Harvester, Ensilage. J. W. Lindly. 2,253,633; Aug. 26.
Head for engine breather systems. A. C. Dressler. 2,254,064; Aug. 26.
Head lamp. R. N. Falge and G. W. Onksen, Jr. 2,253,615; Aug. 26.
Head lamp mounting (bulb mounting). R. N. Falge. 2,253,616; Aug. 26.
Headlight, Nonglare. C. E. Hall. 2,253,933; Aug. 26.
Heat distributing means for furnaces. F. A. Wegner. 2,254,111; Aug. 26.
Heat exchanger. G. T. Jacocks. 2,254,070; Aug. 26.
Heat exchanger. C. S. Reed. 2,254,189; Aug. 26.
Heat insulating cabinet or file. J. R. Jones. 2,253,564; Aug. 26.
Heater: *See*—
Tube heater. Water heater.
Heater and drier, Garment. J. W. Teel. 2,254,126; Aug. 26.
Heating and windshield defrosting device, Vehicle. D. B. Whitney. 2,253,671; Aug. 26.
Hinge joint. F. S. Boltz. 2,253,606; Aug. 26.
Hinge structure for toilet seats and covers. F. J. Moore. 2,253,642; Aug. 26.
Holder: *See*—
Cigarette holder. Paper holder.
Curl holder.
Hood and hinge, Automobile. A. E. Peterson. 2,254,088; Aug. 26.
Hood latch. W. J. Tell. 2,253,660; Aug. 26.
Hook, shackle, and the like. G. T. Smith. 2,253,734; Aug. 26.
Hose clamp. F. L. Darling. 2,253,691; Aug. 26.
Hydraulic switch. F. Kupferschmid. 2,253,629; Aug. 26.
Hydrocarbon conversion process. G. A. Boyd and C. H. Seeley. 2,253,607; Aug. 26.
Hydrocarbon conversion processing. V. Voorhees. 2,253,665; Aug. 26.
Hydrocarbons, Manufacture of polymerizable. M. Harris. 2,253,934; Aug. 26.
Ignition assembly. N. Elliott. 2,253,613; Aug. 26.
Ignition, Radio shielded. M. F. Peters and R. H. Stone. 2,253,531; Aug. 26.
Image analyzing system. P. T. Farnsworth. 2,254,140; Aug. 26.
Indicating instrument, Frequency. G. M. Wright and C. Austin. 2,254,023; Aug. 26.
Indicating mechanism. W. Timson. 2,254,053; Aug. 26.
Indicator: *See*—
Telemeter indicator.
Indicator for liquid mixtures, Level. M. Verduzco. 2,253,992; Aug. 26.
Indicator for revolution counters. A. R. Vinton. 2,253,827; Aug. 26.
Injection machine. N. J. Poux. 2,253,810; Aug. 26.
Insecticide dispenser. W. H. C. Ness and J. F. Holmes. 2,253,802; Aug. 26.
Inspection device, Continuous. J. H. Reynolds. 2,253,581; Aug. 26.

Internal combustion engine. H. F. Bakewell. 2,253,490; Aug. 26.
Internal combustion engine. G. R. Erieson. 2,254,173; Aug. 26.
Iron: *See*—
Malleable iron.
Ironer. J. A. Castricone. 2,254,166; Aug. 26.
Ironer. G. W. Wardwell, Jr. 2,253,964; Aug. 26.
Ironer gear mechanism. J. W. Racklyeft. 2,253,915; Aug. 26.
Ironing board, Folding. J. G. Wernli. 2,253,741; Aug. 26.
Ironing shoe reset, Automatic. J. A. Castricone. 2,253,950; Aug. 26.
Jack: *See*—
Automobile jack. Lifting jack.
Joint: *See*—
Expansion joint. Hinge joint.
Kerf-cutting machine. J. F. Joy. 2,253,626; Aug. 26.
Keyboard for electrical musical instruments. L. Hammond and G. H. Stephens. 2,253,782; Aug. 26.
Kickoff valve, Adjustable. C. S. Crickmer. 2,254,061; Aug. 26.
Knitted elastic fabric. K. Anton. 2,254,131; Aug. 26.
Knitted fabric. H. H. Holmes and J. C. H. Hurd. 2,254,146; Aug. 26.
Knockout for die casting machines. L. Ring. 2,253,651; Aug. 26.
Lamp: *See*—
Head lamp.
Label applying machine. G. W. von Hofe. 2,253,923; Aug. 26.
Latch: *See*—
Hood latch.
Laundry machine. H. D. Brotman. 2,253,842; Aug. 26.
Lead, Production of finely divided. Y. E. Lebedeff. 2,253,632; Aug. 26.
Leaf transfer for tobacco strippers. R. E. Rundell. 2,253,534; Aug. 26.
Leathers, Regeneration of waste of artificial and synthetic. N. Strachovsky. 2,253,991; Aug. 26.
Lifting jack. H. Nilson. 2,254,085; Aug. 26.
Light control system, Automatic emergency. K. Matsukawa. 2,253,911; Aug. 26.
Liquid-circulating system. H. Scott-Paine and G. S. Schman. 2,253,939; Aug. 26.
Liquid clarification. W. C. Weber and W. E. Geissler. 2,253,543; Aug. 26.
Liquid clarification apparatus. A. J. Fischer. 2,254,176; Aug. 26.
Liquid clarifying apparatus. M. Arangó. 2,253,500; Aug. 26.
Liquid treating composition and making same. B. Montero. 2,253,722; Aug. 26.
Liquors, Purification of acidic. R. W. Sullivan. 2,253,590; Aug. 26.
Loading device, Press. H. Sahlin and J. R. Young. 2,253,870; Aug. 26.
Lock: *See*—
Door lock. Wheel lock.
Flush lock. Spring lock.
Nut lock.
Lock. I. J. Fletcher. 2,254,007; Aug. 26.
Locking device, Thermostatic. H. Schirokauer. 2,253,815; Aug. 26.
Lubricating system, Shaper crossrail. W. F. Zimmermann. 2,254,163; Aug. 26.
Luminaire. H. J. Flaherty. 2,253,972; Aug. 26.
Machine for making clinch nuts. J. R. Cox. 2,253,765; Aug. 26.
Machine for making tire casings. C. H. Desautels. 2,253,896; Aug. 26.
Machine for sueding cloth. G. M. Curtin. 2,253,559; Aug. 26.
Machine tool. H. F. Bakewell. 2,253,492–3; Aug. 26.
Machine tool and dust guard therefor. E. S. Cornell. 2,253,846; Aug. 26.
Malleable iron. A. L. Boegehold. 2,253,502; Aug. 26.
Manifolding assembly. H. W. Rogers. 2,253,917; Aug. 26.
Massage implement, Gum. F. Luenz. 2,253,910; Aug. 26.
Mat. H. R. Russon. 2,253,813; Aug. 26.
Measuring apparatus, Vibration. C. S. Draper. 2,254,172; Aug. 26.
Mechanical tuning device for string musical instruments. T. Kudo. 2,254,012; Aug. 26.
Medicinal lozenge and producing the same. E. Myers, J. Alsberg, and A. Gottfurcht. 2,253,800; Aug. 26.
Metal slabs, Making composite. C. A. Medsker. 2,253,526; Aug. 26.
Metals having radio-activity, Producing. J. H. Dillon. 2,254,170; Aug. 26.
Meter: *See*—
Polish meter.
Method and apparatus for forming and refining glass. K. B. McAlpine. 2,254,079; Aug. 26.
Method and apparatus for making fuel briquettes. W. C. Goss. 2,253,699; Aug. 26.
Method and apparatus for rectification, absorption, and gas scrubbing. M. A. Zimmerman. 2,253,925; Aug. 26.
Microscope, Electron scanning. M. von Ardenne. 2,253,542; Aug. 26.
Milk cooler, Mechanical. N. Achs. 2,253,882; Aug. 26.
Milking, Method of. J. A. Schmitt and A. Schellenberg. 2,254,092; Aug. 26.
Mill: *See*—
Ring and ball mill.
Mining apparatus. T. E. Pray. 2,253,941; Aug. 26.
Mixer: *See*—
Cone mixer.
Mixing device for dough and the like. E. Lihotzky. 2,254,042; Aug. 26.
Mold. H. F. Hagemeyer. 2,253,903; Aug. 26.
Molding apparatus. G. Sundback. 2,253,822; Aug. 26.
Molding device, Injection. E. R. Knowles. 2,253,627; Aug. 26.
Molding machine, Confectionery. W. Melody. 2,253,938; Aug. 26.
Mop and polisher, Automatic water. A. E. Anderson. 2,253,673; Aug. 26.
Motor: *See*—
Electric motor. Reversible motor.
Motor and controller, Alternating current. C. Stonehill. 2,253,961; Aug. 26.
Motor mounting. N. E. Wahlberg. 2,253,592; Aug. 26.
Motor vehicle. C. R. Paton. 2,253,645–6; Aug. 26.
Mounting: *See*—
Motor mounting. Pump mounting.
Ophthalmic mounting.
Mounting and guide, Drawer. G. T. Appleyard. 2,254,132; Aug. 26.
Mounting for tables for sewing machines. L. Hoch. 2,253,935; Aug. 26.
Moving apparatus, Material. J. F. Joy. 2,254,181; Aug. 26.
Mower, Lawn. H. Ellingson and O. L. Barnes. 2,253,900; Aug. 26.
Mower, Lawn. E. H. Worthington. 2,253,924; Aug. 26.
Mower, Motor. S. O. Duemler. 2,253,899; Aug. 26.
Muller. F. E. Deremer. 2,253,693; Aug. 26.
Navigation system for guiding aircraft. C. J. Crane and C. D. Barbulesco. 2,253,508; Aug. 26.
Nickel, Recovering. K. M. Simpson. 2,254,158; Aug. 26.
Nitro-amino-pyrenes and making same. P. G. Carter and J. L. Grieve. 2,253,555; Aug. 26.
Nut lock. W. Bonnell. 2,254,027; Aug. 26.
Nut making machine. B. H. Mortus and L. Steinfurth. 2,254,120; Aug. 26.
Nut tapping machine. W. Topolewski. 2,253,662; Aug. 26.
Objects embracing a rod or the like. C. White. 2,253,836; Aug. 26.
Oil burner. E. W. Soaper. 2,254,123; Aug. 26.
Oil composition, Lubricating. J. E. Schott and L. R. Churchill. 2,253,585; Aug. 26.
Oil metering jet for camshafts of engines. A. H. Blaisdell. 2,253,838; Aug. 26.
Oil seeds, Extraction of. P. L. Fauth. 2,253,696; Aug. 26.
Oils, Refining animal and vegetable. B. Clayton. 2,254,101; Aug. 26.
Oletin reactions with boron fluoride catalyst. D. J. Loder. 2,253,525; Aug. 26.
Ophthalmic mounting. E. M. Splaine. 2,253,960; Aug. 26.
Orchestra, Mechanical. F. Rossi. 2,254,091; Aug. 26.
Orchestral apparatus. E. S. Peyton. 2,254,089; Aug. 26.
Ornament, Christmas tree. H. E. and P. A. Wenrich. 2,253,879; Aug. 26.
Ornamental article. D. Swarovski. 2,253,659; Aug. 26.
Oscillation generator, Electrical. W. S. Percival. 2,254,087; Aug. 26.
Oscillation generator, Relaxation. C. L. Faudell. 2,254,031; Aug. 26.
Oscillation scanning and measuring apparatus. H. List. 2,253,795; Aug. 26.
Oscillations, Generation and transmission of high frequency. G. C. Southworth. 2,253,589; Aug. 26.
Outlet system, Continuous. W. H. Frank. 2,254,068; Aug. 26.
Oven linings, Making. E. A. Rutenber. 2,253,499; Aug. 26.
Overdrive control. E. M. Claytor. 2,254,115; Aug. 26.
P-azidobenzene compounds. R. O. Roblin, Jr. 2,254,191; Aug. 26.
Package for fishermen. W. M. Africa. 2,253,598; Aug. 26.
Packaging machine. D. K. Wood. 2,254,097; Aug. 26.
Packing element. C. S. Crickmer. 2,254,060; Aug. 26.
Packing ring. W. Haug. 2,253,904; Aug. 26.
Pad and cutout insole, Combination of resilient. M. Margolin. 2,253,959; Aug. 26.
Page-turning block, Automatic. H. Lucas and M. Duthe. 2,253,858; Aug. 26.
Pail or container. C. B. Dale. 2,254,168; Aug. 26.
Paper container. T. P. Guild. 2,253,974; Aug. 26.
Paper hanger's table. F. E. Edgren. 2,253,772; Aug. 26.
Paper holder, Roll. D. Vigo. 2,253,664; Aug. 26.
Paper product and making same, Coated or impregnated. F. Shurley. 2,253,655; Aug. 26.
Paper treating machine. A. D. Eitzen. 2,253,511; Aug. 26.

Papers, Manufacture of indented, corrugated. J. A. McKeage. 2,253,718; Aug. 26.
Parachuting. G. G. Serkau. 2,253,586; Aug. 26.
Pattern controlled mechanism for tools and the like. H. Ziebolz. 2,254,098; Aug. 26.
Pavement traffic signal. F. W. Kline. 2,253,790; Aug. 26.
Permanent waving device. J. Fluegel. 2,253,973; Aug. 26.
Phase control. F. Gray. 2,254,036; Aug. 26.
Phonograph. L. Z. La Forest. 2,253,568; Aug. 26.
Phonographic apparatus. F. E. Runge. 2,254,048; Aug. 26.
Phosphorus, Organic compound of quinquevalent. P. G. Stevens and H. S. Turner. 2,254,124; Aug. 26.
Photoelectrically sensitive surface. L. Klatzow. 2,254,073; Aug. 26.
Photograph mount. E. G. Beikirch. 2,253,751; Aug. 26.
Photograph mount. A. C. Sames. 2,253,814; Aug. 26.
Photographic screen stencils, Making. J. R. Fitzgerald. 2,254,033; Aug. 26.
Photosensitive transparency. W. M. Hinman and W. G. Hoffmann. 2,253,562; Aug. 26.
Phthalocyanines, Manufacture of halogenated. S. R. Detrick and K. C. Johnson. 2,253,560; Aug. 26.
Pipe and tubing, Manufacturing. J. E. Shook. 2,253,988; Aug. 26.
Pipe covering machine. J. D. Cummings. 2,253,848; Aug. 26.
Pipe for the discharge of liquids from aircraft, Collapsible fabric. R. A. Shaw. 2,254,157; Aug. 26.
Piston. R. G. Berry. 2,254,026; Aug. 26.
Piston and ring. J. Trexler. 2,253,739; Aug. 26.
Piston skirt expander. A. P. Fall. 2,254,030; Aug. 26.
Pitot-static tube. W. A. Reichel. 2,254,155; Aug. 26.
Planting attachment. J. L. Hipple. 2,253,706; Aug. 26.
Plastic product. E. C. Britton, G. H. Coleman, and J. W. Zemba. 2,253,886; Aug. 26.
Plowshare. D. M. Kernodle. 2,254,011; Aug. 26.
Plug: *See*—
Spark plug.
Polish meter. M. L. Devol. 2,254,062; Aug. 26.
Polished surfaces, Production of. N. Shaw. 2,253,587; Aug. 26.
Polycarbonyl compounds of the cyclopentanopolyhydrophenanthrene series, Manufacture of partially reduced. K. Miescher and W. Wischer. 2,253,798; Aug. 26.
Polymerization product containing sulphur dioxide and producing the same. F. E. Frey, R. D. Snow, and L. H. Fitch, Jr. 2,253,775; Aug. 26.
Power press for perforated articles. F. M. Miller, A. C. Shape, and H. S. Walker. 2,254,107; Aug. 26.
Power transmission. R. C. Griffith. 2,253,617; Aug. 26.
Power transmission. J. Robinson and R. E. Esch. 2,253,653; Aug. 26.
Power transmission. R. L. Tweedale. 2,253,663; Aug. 26.
Power-transmission system, Hydraulic. H. Sinclair and R. G. Cooper. 2,253,656; Aug. 26.
Pressure gauge. J. E. Dube. 2,253,769; Aug. 26.
Printing process. J. D. Jenkins. 2,254,072; Aug. 26.
Process and apparatus for separating disintegrated solid materials. A. Boer. 2,254,135; Aug. 26.
Projecting device. F. Tarullo. 2,254,125; Aug. 26.
Propeller actuated machine. E. Bugatti. 2,253,757; Aug. 26.
Protein composition. A. J. Heberer. 2,253,517; Aug. 26.
Pulley. H. E. Dow. 2,253,612; Aug. 26.
Pulley. P. E. Mack. 2,253,634; Aug. 26.
Pulley. R. L. Travis and B. A. Otte. 2,253,591; Aug. 26.
Pulley construction. R. E. Getchell. 2,254,177; Aug. 26.
Pulsator. J. A. Schmitt and A. Schellenberg. 2,254,093; Aug. 26.
Pulverizer, Impact. W. M. Sheldon. 2,253,733; Aug. 26.
Pump: *See*—
Differential pump. Fuel pump.
Double acting pump. Fluid pump.
Pump jack bearing. L. V. Hull. 2,254,148; Aug. 26.
Pump mounting, Motor driven. R. S. Wyne. 2,253,597; Aug. 26.
Pumping unit for deep wells, Hydraulic. A. M. Gurley. 2,253,780; Aug. 26.
Rack: *See*—
Display rack.
Radio apparatus, Short wave. O. E. Dow. 2,253,849; Aug. 26.
Radio Beacon, Rotating. D. G. C. Luck. 2,253,958; Aug. 26.
Radioactive alloy. J. H. Dillon. 2,254,171; Aug. 26.
Ray screen, Secondary. J. Iten. 2,253,622; Aug. 26.
Reactor. P. A. Vance. 2,253,962; Aug. 26.
Receiving circuit, Superheterodyne. J. Haantjes and B. D. H. Tellegen. 2,253,853; Aug. 26.
Receiving system, Diversity. H. O. Peterson. 2,253,867; Aug. 26.
Receptacle: *See*—
Storage receptacle.
Recording system, Sound. H. Fletcher. 2,254,034; Aug. 26.
Refractory particles and the preparation thereof, Magnesia coated. G. A. Hebbe and R. E. Gibbs. 2,253,955; Aug. 26.
Refrigerant container. C. D. Bonsall. 2,253,679; Aug. 26.
Refrigerating apparatus. J. W. Jacobs. 2,253,624; Aug. 26.
Refrigerating apparatus. F. W. Jordan. 2,253,623; Aug. 26.
Refrigerating apparatus. A. A. Kucher. 2,254,118; Aug. 26.
Refrigerating apparatus. J. Y. Levine. 2,253,907; Aug. 26.
Refrigerating apparatus. E. F. Smith. 2,253,657; Aug. 26.
Refrigeration apparatus. E. E. Grover. 2,253,618; Aug. 26.
Refrigeration device, Combination pressure and absorption type. R. S. Clayton. 2,253,893; Aug. 26.
Refrigeration process, Absorption. R. S. Clayton. 2,253,892; Aug. 26.
Refrigerator. A. E. Nave. 2,253,573; Aug. 26.
Refrigerator. O. E. Norberg. 2,253,804; Aug. 26.
Refrigerator control. C. J. Werner. 2,254,112; Aug. 26.
Regulating apparatus, Electrical. L. K. Hedding and P. S. Johnson. 2,253,705; Aug. 26.
Regulator system. L. F. Blume and S. D. Sprong. 2,253,947; Aug. 26.
Relay. H. C. Harrison. 2,253,856; Aug. 26.
Relay, Polarized. H. C. Harrison. 2,254,037; Aug. 26.
Relay system, Voltage regulator. J. F. Kovalsky. 2,254,039; Aug. 26.
Release mechanism, Thermally controlled. F. McKune and D. W. Kennedy. 2,253,861; Aug. 26.
Relief valve, Pressure and temperature. O. F. Carlson. 2,253,930; Aug. 26.
Resistance device. G. L. Pearson and J. B. Stucky, Jr. 2,253,577; Aug. 26.
Respirator, Gas mask. C. W. Sirch. 2,253,538; Aug. 26.
Reversible motor. E. D. Lilja. 2,253,524; Aug. 26.
Ring: *See*—
Packing ring.
Ring and ball mill. H. V. Spaulding. 2,253,819; Aug. 26.
Rod: *See*—
Welding rod.
Rotational washer. C. K. Skinner. 2,253,989; Aug. 26.
Safety seat. J. A. Hoyt. 2,254,179; Aug. 26.
Safety tube. C. H. Zimmerman. 2,253,746; Aug. 26.
Safety valve device for fluid brake system. N. H. Rahe. 2,253,580; Aug. 26.
Salts of wool dyestuffs, Easily water soluble. S. von Allmen and E. Rossidet. 2,253,828; Aug. 26.
Sandal. R. F. Mayer. 2,254,184; Aug. 26.
Saw, Band. B. and T. Grob. 2,253,515; Aug. 26.
Scraper. C. O. Wold and C. A. Gustafson. 2,253,745; Aug. 26.
Screen: *See*—
Automobile protective screen. Ray screen.
Scribing tool, Height gauge indicating. J. Lipani. 2,253,908; Aug. 26.
Seat: *See*—
Chair seat. Toilet seat.
Safety seat.
Seat cushion. K. K. Probst. 2,253,914; Aug. 26.
Separator: *See*—
Cream separator.
Server or pitcher. R. Bernhardt. 2,254,164; Aug. 26.
Service container, Individual. I. Schayer. 2,253,918; Aug. 26.
Sewing machine and attachment therefor. C. Seaman. 2,253,731; Aug. 26.
Sewing machine attachment. S. Stadub. 2,254,050; Aug. 26.
Shade, Clutch type roller. W. M. Hicks. 2,253,520; Aug. 26.
Shade, light, and timer, Combined. H. O. Berry. 2,254,134; Aug. 26.
Shade structure, Replacement. W. M. Hicks. 2,253,519; Aug. 26.
Shaving implement. N. Testi. 2,253,737; Aug. 26.
Shears. C. J. Dalley. 2,253,689; Aug. 26.
Sheave. C. L. Eppler. 2,253,774; Aug. 26.
Sheave, Adjustable. N. E. Nylin. 2,254,045; Aug. 26.
Sheet material, Process of and apparatus for washing. P. C. Lawson. 2,254,075; Aug. 26.
Shingle. G. Ritter. 2,253,652; Aug. 26.
Shirt, Sport. M. Lesser. 2,254,076; Aug. 26.
Shoe sewing machine. A. R. Morrill. 2,254,017; Aug. 26.
Sifter. G. T. Perry. 2,253,806; Aug. 26.
Signal: *See*—
Direction indicating signal. Pavement traffic signal.
Signal-translating system, Video-frequency. J. C. Wilson. 2,254,114; Aug. 26.
Signaling. J. N. Whitaker. 2,253,832; Aug. 26.
Signaling system. A. W. Horton, Jr. 2,253,621; Aug. 26.
Signaling system. C. E. Lomax. 2,253,714; Aug. 26.
Signaling system. J. Wicks. 2,253,743; Aug. 26.
Signature handling machine. M. Christensen. 2,253,556; Aug. 26.
Siphon breaking valve. F. T. Harris. 2,254,069; Aug. 26.
Skylight construction. J. J. Ohlis. 2,253,527; Aug. 26.
Slicing machine. A. A. Kottmann. 2,254,105; Aug. 26.
Slider for slide fasteners, Reversible. A. E. Carlile. 2,253,494; Aug. 26.

Slime and algae, Control of. T. S. Carswell and H. K. Nason. 2,253,762; Aug. 26.
Snap-acting device. L. W. Burch. 2,253,552–3; Aug. 26.
Snow remover. W. E. Klauer. 2,254,151; Aug. 26.
Soap stock and making. B. H. Thurman. 2,254,094; Aug. 26.
Socket, Lamp. D. E. Richardson. 2,253,582; Aug. 26.
Solutions containing tin, Electrolyzing. D. L. Ogden and M. F. W. Heberlein. 2,253,865; Aug. 26.
Sowing machine. A. G. Ewerth. 2,254,065; Aug. 26.
Spark plug. C. E. Meyer. 2,254,082; Aug. 26.
Spark plug and making same. J. H. Dillon. 2,254,169; Aug. 26.
Speed transmission, Variable. V. H. Van Sant. 2,253,921; Aug. 26.
Spindle press drive. W. Chladek and J. Galler. 2,254,029; Aug. 26.
Spring lock. A. Krakauer. 2,254,106; Aug. 26.
Sprinkler head. P. De Lacy-Mulhall. 2,253,979; Aug. 26.
Stand: *See*—
Display stand.
Steel, Casting lead-bearing. W. A. Saylor and L. D. Woodworth. 2,254,156; Aug. 26.
Steel, Controlling the deoxidation of. C. F. Norbeck. 2,253,574; Aug. 26.
Stereophotogrammetrical plotting apparatus. E. Berchtold. 2,253,677; Aug. 26.
Stoker. R. E. Drawz. 2,253,694; Aug. 26.
Stop joint for gas filled cables and method of installing the same. G. B. Shanklin. 2,253,985; Aug. 26.
Storage receptacle, Food. W. P. Dodge. 2,253,971; Aug. 26.
Strip metal, Welding of lengths of. L. Iversen. 2,253,709; Aug. 26.
Submersible bearing. S. I. Bousman. 2,253,754; Aug. 26.
Suction cleaner. B. C. Becker. 2,253,997; Aug. 26.
Sulphur, Recovery of. E. Klepetko. 2,253,566; Aug. 26.
Support: *See*—
Bracket support. Deck lid support.
Curtain rod support.
Suspension for independently guided wheels on the chassis especially of motor vehicles. M. Wagner. 2,253,666; Aug. 26.
Swab making machine. S. W. Glickston. 2,253,852; Aug. 26.
Switch: *See*—
Circuit-breaking electric switch. Electric switch.
Hydraulic switch.
Switch and relay, Combined limit. H. F. Collins. 2,253,557; Aug. 26.
Switchboard wiring. P. S. Graham. 2,253,700; Aug. 26.
Switching arrangement for electron microscopes. H. O. Müller. 2,253,864; Aug. 26.
Swiveled coupling. A. W. Gilkerson. 2,253,932; Aug. 26.
Synchronizing clutch. C. D. Peterson, E. W. Zingsheim, and R. R. Burkhalter. 2,253,578; Aug. 26.
Syringe bag. T. W. Miller. 2,253,571; Aug. 26.
System for remotely controlling regulators. H. Schröder. 2,253,654; Aug. 26.
Table: *See*—
Convertible table. Paper hanger's table.
Folding dressing table.
Table seal for well drilling rotaries. A. R. Maier and J. M. Shimer. 2,254,183; Aug. 26.
Tank valve and overflow pipe, Combination flush. C. Polcari. 2,254,018; Aug. 26.
Tape, Manufacture of. P. Van Cleef. 2,253,922; Aug. 26.
Telegraph apparatus, Printing. A. H. Reiber. 2,253,532; Aug. 26.
Telegraph apparatus, Printing. R. E. Zenner. 2,253,545–6; Aug. 26.
Telemeter indicator, Double pointer. B. H. Parker. 2,253,980; Aug. 26.
Telephone system. F. Beermann and M. Hebel. 2,253,998; Aug. 26.
Telephone system. J. Wicks. 2,254,113; Aug. 26.
Television receiving apparatus. H. Arni and H. Neugebauer. 2,254,057; Aug. 26.
Tension device. H. W. Hitchcock. 2,253,521–2; Aug. 26.
Terminal for gas filled cables. G. B. Shanklin. 2,253,987; Aug. 26.
Testing device, Electrical system. M. P. McCarty. 2,254,080; Aug. 26.
Textile and other materials, Treatment of. R. W. Moncrieff and A. W. M. Cooke. 2,253,641; Aug. 26.
Textile materials, Treating, especially softening, cellulosic. K. Engel and K. Pfaehler. 2,253,773; Aug. 26.
Textile process. R. F. Conaway. 2,254,001; Aug. 26.
Thread protector for pipe. H. W. Schuetz. 2,253,729; Aug. 26.
Threading apparatus. J. L. Fisher. 2,254,032; Aug. 26.
Threading tool. H. F. Bakewell. 2,253,491; Aug. 26.
Throttle for motor-driven vehicles, Auxiliary left-foot W. E. Fisher. 2,253,850; Aug. 26.
Ticket issuing device. E. Tensfeldt and L. Ramdor. 2,253,919; Aug. 26.
Timing device. K. E. Bemis. 2,253,752; Aug. 26.
Timing mechanism. A. B. Campbell. 2,253,929; Aug. 26.
Tire building apparatus and method of building tires. J. I. Haase, W. W. McMahan, and C. J. Roese. 2,253,781; Aug. 26.
Tissue dispenser. C. A. Witt. 2,253,744; Aug. 26.
Titanium oxide production. H. J. Wood. 2,253,595; Aug. 26.
Titanium pigment production. J. E. Booge. 2,253,551; Aug. 26.
Toasting machine. P. J. McCullough. 2,253,637; Aug. 26.
Toilet seat, Sanitary. R. L. Sullivan. 2,253,736; Aug. 26.
Tone control device. A. Schöne and E. Steffens. 2,254,122; Aug. 26.
Tonsorial device. J. J. Hollander. 2,253,786; Aug. 26.
Tool: *See*—
Bearing tool. Machine tool.
Binding tool. Scribing tool.
Drafting tool. Threading tool.
Tool for segmenting citrus fruits. R. Polk, Sr., and R. Polk, Jr. 2,254,187; Aug. 26.
Tool handle. J. H. Speed. 2,253,990; Aug. 26.
Tool or wrench. R. I. Anderson. 2,254,130; Aug. 26.
Tooth brush, Fountain. T. W. Fisher. 2,253,514; Aug. 26.
Toothpick dispenser, Sanitary. E. E. Leimer. 2,253,793; Aug. 26.
Torque band brake. C. F. Van Hook. 2,253,740; Aug. 26.
Torque converter, Stepless mechanical. P. Clcin. 2,254,195; Aug. 26.
Toy. M. H. Larrabee. 2,254,153; Aug. 26.
Toy snow train. P. E. Coderre. 2,253,610; Aug. 26.
Trailer brake, Automatic. L. E. Latta. 2,253,631; Aug. 26.
Train, Electric. F. A. Drake. 2,254,063; Aug. 26.
Transit device, Educational. J. A. Cassavant. 2,253,844; Aug. 26.
Translating system, Electrical oscillation. G. Guanella. 2,253,976; Aug. 26.
Transmission, Automatic. W. Q. Watterson. 2,253,877; Aug. 26.
Transmitter, Telephone call. C. D. Richard. 2,253,650; Aug. 26.
Tree cup. A. J. Torbett. 2,253,541; Aug. 26.
Trimming machine. V. H. Meyer. 2,253,640; Aug. 26
Trolley construction, Electric. E. M. Glasgow. 2,254,142; Aug. 26.
Trolley pole actuator. T. E. Davies. 2,253,767; Aug. 26.
Truck, Dump. W. L. Allison. 2,253,548; Aug. 26.
Truck, Mining machine transport. J. F. Joy. 2,254,104; Aug. 26.
Tube: *See*—
Pilot-static tube. Safety tube.
Tube heater, Radiant. A. H. Vaughan. 2,253,920; Aug. 26.
Tubes, Making safety. C. J. Burkley. 2,253,759; Aug. 26.
Tufting machine. J. Garfield and H. L. Simon. 2,254,035; Aug. 26.
Turpentine hack and puller. W. A. Sessoms. 2,254,021; Aug. 26.
2-aminopyrimidine, Preparing. E. H. Northey. 2,254,186; Aug. 26.
Two-speed drive for turntables. M. M. Gruber and G. J. Saliba. 2,254,066; Aug. 26.
Undergarment, Lady's. P. Z. Gordon. 2,253,902; Aug. 26.
Upholstery, Pneumatic. C. H. Neal. 2,253,801; Aug. 26.
Urea and thiourea derivatives. J. S. Buck and E. J. de Beer. 2,254,136; Aug. 26.
Urea, Manufacture of derivatives of. J. F. Olin. 2,253,528; Aug. 26.
Valve: *See*—
Kickoff valve. Siphon breaking valve.
Relief valve.
Valve. A. E. Anderson. 2,253,881; Aug. 26.
Valve. L. C. Broecker. 2,254,000; Aug. 26.
Valve. R. G. Carlson. 2,253,888; Aug. 26.
Valve. R. W. Mueller. 2,253,643; Aug. 26.
Valve. T. A. Wetzel and J. S. Furumo. 2,253,670; Aug. 26.
Valve. T. Wilson. 2,253,594; Aug. 26.
Valve control, Automatic hydraulic elevator. V. F. Lovejoy. 2,253,570; Aug. 26.
Valve structure. W. H. Harstick. 2,253,703; Aug. 26.
Valve translating apparatus, Electric. H. Puppe. 2,253,982; Aug. 26.
Vapor lock in the fuel feed of internal combustion engines, Prevention of. B. McInnerney. 2,253,717; Aug. 26.
Variable capacitor. I. A. Meriwether. 2,253,978; Aug. 26.
Vehicle: *See*—
Convertible vehicle. Motor vehicle.
Vehicle transporting device. E. Wolf. 2,254,055; Aug. 26.
Velocipede. K. W. Hedstrom. 2,253,857; Aug. 26.
Vending apparatus. E. M. Calder and W. H. Witte. 2,253,554; Aug. 26.
Vending machine. E. W. Handley and W. G. Segerstrom. 2,253,854; Aug. 26.
Vent valve for steam heating systems. W. K. Simpson. 2,253,588; Aug. 26.
Vessel, Covered. F. Garcia. 2,254,141; Aug. 26.
Vibrator. E. L. Barrett. 2,253,602; Aug. 26.
Vulcanizing matrix, Tire. R. B. Battaglia. 2,253,603; Aug. 26.
Wallboard, Plywood. W. A. Warner. 2,253,667; Aug. 26

Warp machine. P. Schönfeld. 2,253,728; Aug. 26.
Washer: *See*—
Bottle washer. Rotational washer.
Washing and rinsing machine, Combined. L. De Marco. 2,254,003; Aug. 26.
Washing machine. J. L. Hill. 2,254,145; Aug. 26.
Washing machine and sink, Combination. R. O. Wassner. 2,253,965; Aug. 26.
Washing machine drive. H. D. Croft. 2,253,894; Aug. 26.
Watch movement. H. Colomb. 2,253,763; Aug. 26.
Wave generator, Electrical. J. N. Whitaker. 2,254,022; Aug. 26.
Wave generator, Saw-tooth. R. Andrieu. 2,254,025; Aug. 26.
Water heater. C. H. Morrow. 2,253,799; Aug. 26.
Webbing, Ladder. R. French. 2,254,008; Aug. 26.
Welding machine. P. M. Hall. 2,253,702; Aug. 26.
Welding rod, Carbon molybdenum. R. M. Rooke and F. C. Saacke. 2,253,812; Aug. 26.
Welding torch, Electric. C. I. Barclift. 2,253,994; Aug. 26.
Well apparatus, Deep. R. B. Gaunt. 2,253,776; Aug. 26.
Wheel: *See*—
Detachable wheel.
Wheel lock, Vehicle. L. J. Kline and J. J. Sichman. 2,253,791; Aug. 26.
Wheel mounting for aircraft undercarriages, Bilaterally supported resilient. R. H. Bonnd. 2,253,680; Aug. 26.
Wig and making the same. J. J. Mann. 2,253,635; Aug. 26.
Window catch. W. C. Carpenter. 2,254,167; Aug. 26.
Window construction for convertible bodies. J. A. Olivier. 2,253,805; Aug. 26.
Windows, Glazing. A. S. Cheston. 2,254,028; Aug. 26.
Wire winder. R. I. Renier. 2,253,983; Aug. 26.
Work-handling mechanism. G. F. Palmer. 2,253,576; Aug. 26.
Wrapping machine, Pipe. J. D. Cummings. 2,253,891; Aug. 26.
Wrapping machine sealing and detector mechanism. M. J. Milmoe and C. J. Malhiot. 2,254,108; Aug. 26.
Wrench. R. Denovich. 2,253,895; Aug. 26.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 26, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2— 73: 2,253,902
116: 2,254,076
163: 2,253,710
4— 60: 2,254,018
177: 2,253,995
233: 2,253,736
236: 2,253,642
5— 21: 2,253,658
269: 2,254,106
348: 2,253,801
8— 35: 2,253,641
142.5: 2,253,773
9— 1: 2,253,936
10— 78: 2,253,765
129: 2,253,492
135: 2,254,032
2,253,493
139: 2,253,662
141: 2,253,491
145: 2,253,523
11— 1: 2,254,165
12—129.3: 2,253,725
13— 20: 2,254,047
25: 2,253,981
15— 3: 2,254,075
6: 2,253,997
53: 2,253,609
75: 2,253,539
106: 2,254,160
129: 2,253,673
210: 2,254,143
269: 2,253,855
16— 35: 2,253,824
128: 2,253,606
179: 2,254,088
17— 12: 2,254,188
18— 6: 2,253,792
18: 2,253,603
30: 2,253,627
2,253,810
2,253,822
2,254,119
42: 2,253,611
47: 2,253,697
19— 1: 2,254,059
75: 2,253,698
124: 2,254,015
145: 2,253,852
20— 5: 2,253,753
8: 2,253,943
15: 2,253,667
56.4: 2,254,028
78: 2,253,813
22— 94: 2,253,651
116: 2,253,771
126: 2,253,903
200: 2,254,156
204: 2,253,526
23— 113: 2,253,722
121: 2,254,014
172: 2,253,590
202: 2,253,595
288: 2,253,510
308: 2,253,566
24— 135: 2,253,550
153: 2,253,712
163: 2,253,816
173: 2,253,749
205: 2,253,494
25— 67: 2,253,699
98: 2,254,107
155: 2,253,730
156: 2,253,620
26— 28: 2,253,558
2,253,559
27— 21: 2,253,625
28— 4: Re.21,890
29— 3: 2,254,077

29— 38: 2,254,120
68: 2,253,515
85: 2,253,836
88.2: 2,253,845
96: 2,254,056
105: 2,253,905
30— 43: 2,253,737
121: 2,254,021
211: 2,253,786
231: 2,253,689
31— 62: 2,254,093
87: 2,254,092
33— 1: 2,253,677
11: 2,254,041
32: 2,253,908
53: 2,253,948
70: 2,253,844
126.7: 2,253,992
129: 2,253,701
172: 2,253,803
34— 155: 2,253,511
35— 1: 2,254,159
12: 2,253,586
36— 3: 2,253,959
11.5: 2,254,184
50: 2,253,860
37— 43: 2,254,151
124: 2,253,745
126: Re.21,885
2,253,808
38— 59: 2,253,915
61: 2,253,950
2,253,964
2,254,166
65: 2,253,949
127: 2,253,741
40— 40: 2,253,869
104: 2,253,858
152.1: 2,253,751
159: 2,253,814
41— 10: 2,253,659
2,253,879
38.5: 2,254,033
43— 32: 2,253,598
55: 2,253,688
108: 2,253,541
148: 2,253,802
45— 2: 2,253,788
77: 2,254,132
91: 2,254,133
46— 78: 2,253,661
118: 2,254,089
2,254,091
172: 2,253,635
216: 2,253,610
2,254,153
47— 34: 2,253,817
60: Pl.Pt.486
Pl.Pt.487
Pl.Pt.488
49— 1: 2,254,086
52: 2,254,162
54: 2,254,079
51— 33: 2,254,010
2,254,020
34: 2,253,687
95: 2,254,002
247: 2,253,640
277: 2,253,954
53— 3: 2,253,783
5: 2,253,833
7: 2,253,567
56— 16: 2,253,633
2,253,794
26: 2,253,899
242: 2,253,900
253: 2,253,924
364: 2,253,797

57— 2: 2,254,058
18: 2,253,740
58— 44: 2,253,747
53: 2,253,715
59: 2,253,763
59— 95: 2,253,734
60— 13: 2,253,530
52: 2,253,663
54: 2,253,656
61— 29: 2,253,727
62— 1: 2,253,657
2,253,944
5: 2,253,893
17: 2,253,679
89: 2,253,971
101: 2,253,882
106: 2,253,512
108.5: 2,253,624
116: 2,253,618
2,254,118
121: 2,253,880
141: 2,253,940
179: 2,253,892
65— 31: 2,254,164
66— 169: 2,253,956
187: Re.21,889
190: 2,254,131
201: 2,254,146
68— 4: 2,253,965
89: 2,253,989
139: 2,254,145
196: 2,254,003
70— 208: 2,253,547
215: 2,254,007
447: 2,253,495
73— 51: 2,253,795
2,254,006
110: 2,253,769
212: 2,254,155
74— 1: 2,253,842
78: 2,253,894
97: 2,253,552
119: 2,254,195
189: 2,253,970
190: 2,254,066
190.5: 2,253,750
230.1: 2,253,591
230.3: 2,253,612
230.8: 2,253,774
230.17: 2,253,634
2,253,921
2,254,045
2,254,177
281: Re.21,888
303: 2,253,977
336: 2,253,711
424.8: 2,253,535
472: 2,254,144
513: 2,253,850
75— 0.5: 2,253,632
58: 2,253,574
82: 2,254,158
123: 2,253,502
125: 2,253,873
135: 2,254,170
170: 2,254,171
76— 101: 2,253,735
107: 2,253,497
81— 15: 2,253,906
55: 2,254,130
139: 2,253,895
83— 11: 2,253,733
45: 2,253,819
84— 423: 2,253,782
455: 2,254,012
88— 14: 2,253,581
2,254,062
17: 2,254,052

88— 19.5: 2,263,874
24: 2,254,053
2,254,125
47: 2,253,960
90— 5: 2,253,683
13.5: 2,254,098
91— 18: 2,254,016
45: 2,254,108
55: 2,253,529
67.2: 2,253,779
68: 2,253,587
2,253,655
2,253,922
70: 2,254,001
93— 20: 2,253,946
94— 18: 2,253,513
95— 8: 2,253,562
97— 125: 2,254,011
98— 2: 2,253,671
99— 130: 2,253,614
210: 2,253,518
101— 426: 2,254,072
102— 6: 2,253,549
103— 41: 2,254,084
46: 2,253,780
118: 2,253,597
161: 2,254,103
195: 2,253,926
207: 2,254,174
219: 2,253,776
233: 2,254,061
104— 257: 2,253,829
105— 172: 2,253,676
106— 61: 2,253,955
154: 2,253,517
189: 2,253,821
296: 2,253,551
107— 3: 2,253,938
54: 2,253,770
108— 7: 2,253,652
10: 2,254,044
16: 2,253,527
109— 56: 2,253,564
110— 45: 2,253,694
111— 66: 2,253,706
112— 39: 2,254,017
79: 2,254,035
101: 2,253,731
203: 2,253,993
220: 2,253,619
261: 2,254,050
113— 120: 2,253,499
115— 35: 2,253,757
116— 42: 2,254,078
114: 2,253,827
119— 5: 2,253,516
121— 38: 2,253,544
2,253,570
41: 2,253,963
158: 2,253,617
122— 494: 2,253,799
123— 48: 2,254,173
56: 2,253,490
59: Re.21,886
119: 2,254,064
139: 2,253,717
143: 2,253,613
148: 2,253,531
169: 2,254,082
2,254,169
171: 2,253,505
198: 2,254,102
125— 13: 2,254,046
126— 41: 2,253,834
91: 2,253,920
170: 2,254,111
128— 62: 2,253,910
141: 2,253,538

128— 227: 2,253,571
129—16.7: 2,253,630
25: 2,254,081
131— 105: 2,253,868
147: 2,253,534
237: 2,253,778
240: 2,253,648
132— 33: 2,254,139
36: 2,253,973
40: 2,253,498
50: 2,254,013
84: 2,253,514
136— 170: 2,254,110
137— 21: 2,253,703
53: 2,253,594
2,253,930
122: 2,253,588
152: 2,254,069
138— 96: 2,253,729
139— 100: 2,253,728
281: 2,254,100
384: 2,254,008
140— 123: 2,253,983
141— 7: 2,253,912
144— 289: 2,253,713
146— 3: 2,253,784
2,254,187
153: 2,254,099
2,254,105
150— 28: 2,253,682
151— 40: 2,254,027
152— 339: 2,253,746
153— 1: 2,253,639
2,254,117
154— 1: 2,253,732
10: 2,253,781
2,253,896
14: 2,253,759
44: 2,253,953
55: 2,253,718
155— 179: 2,253,914
186: 2,253,825
156— 15: 2,253,843
25: 2,253,519
2,253,520
158—117.1: 2,253,670
161— 1: 2,253,752
23: 2,253,929
164— 19: 2,253,636
166— 1: 2,253,536
2,253,537
10: 2,254,060
167— 25: 2,254,129
82: 2,253,800
168— 2: 2,253,837
169— 32: 2,253,601
170— 173: 2,254,024
171— 97: 2,253,982
119: 2,253,947
209: 2,254,172
242: 2,253,962
172— 239: 2,254,043
278: 2,252,524
2,253,961
279: 2,253,599
281: 2,253,966
173— 244: 2,253,984
324: 2,253,830
334.1: 2,254,068
358: 2,253,582
363: 2,253,593
174— 10: 2,253,985
20: 2,253,987
26: 2,253,986
52: 2,253,700
120: 2,253,967
69: 2,253,668
175—41.5: 2,253,978

175— 183: 2,254,080
2,254,175
315: 2,253,504
2,253,506
2,253,507
320: 2,254,039
363: 2,253,705
176— 34: 2,253,616
177— 327: 2,253,980
329: 2,253,790
352: 2,253,975
353: 2,253,840
354: 2,253,714
178— 4: 2,253,532
2,253,545
7.2: 2,254,140
7.5: 2,254,057
2,254,114
25: 2,253,546
44: 2,253,503
2,253,589
69: 2,253,583
179— 7.1: 2,253,596
2,253,998
16: 2,253,621
22: 2,253,743
27: 2,254,113
87: 2,253,937
90: 2,253,650
100.1: 2,254,034
171: 2,253,976
171.5: 2,254,036
180— 9.2: 2,254,192
17: 2,254,104
64: 2,253,592
82.1: 2,253,875
181— 48: 2,253,693
183— 2.5: 2,253,939
184— 6: 2,253,838
2,254,163
187— 95: 2,253,820
188— 119: 2,253,791
142: 2,253,631
163: 2,254,115
264: 2,254,074
189— 35: 2,253,916
36: 2,254,190
49: 2,253,861
191— 23: 2,254,147
45: 2,254,142
88: 2,253,767
192— 47: 2,253,716
53: 2,253,578
60: 2,253,877
144: 2,254,029
194— 15: 2,253,674
16: 2,253,839
196— 10: 2,253,607
32: 2,253,638
50: 2,253,665
94: 2,253,925
198— 38: 2,253,572
126: 2,254,181
165: 2,254,116
182: 2,253,913
204: 2,253,761
200— 6: 2,253,654
8: 2,254,121
52: 2,253,957
56: 2,253,928
73: 2,253,908
83: 2,253,629
2,254,112
87: 2,253,856
90: 2,253,602
93: 2,254,037
104: 2,253,557
113: 2,253,911

200— 116: 2,253,815
2,254,067
120: 2,253,719
2,253,720
122: 2,254,054
138: 2,253,553
151: 2,253,756
166: 2,253,533
2,253,672
201— 64: 2,253,577
202— 40: 2,254,182
52: 2,253,999
170: 2,253,579
204— 49: 2,254,161
122: 2,253,865
140: 2,253,835
2,253,871
297: 2,253,576
205— 9: 2,253,988
14: 2,253,653
206— 15.1: 2,253,678
41.1: 2,253,887
44: 2,253,974
209— 127: 2,254,135
282: 2,253,806
496: 2,253,760
210— 3: 2,254,176
23: 2,253,762
42.5: 2,253,755
55: 2,253,500
2,253,543
2,253,878
131: 2,253,684
2,253,685
2,253,686
152: 2,253,509
2,253,692
166: 2,253,690
211— 28: 2,253,764
60: 2,253,841
147: 2,253,573
212— 38: 2,254,083

213— 8: 2,254,138
214— 84: 2,254,194
215— 63: 2,253,918
217— 56: 2,253,726
60: 2,253,561
218— 15: 2,253,644
219— 4: 2,253,702
8: 2,253,812
2,253,994
10: 2,253,709
19: 2,253,637
220— 27: 2,253,565
47: 2,254,141
221— 11: 2,254,168
60: 2,253,738
102: 2,253,785
2,253,945
136: 2,254,065
223— 73: 2,254,126
224— 36: 2,253,649
225— 1: 2,253,883
2,253,884
226— 14: 2,254,097
227— 37: 2,253,604
229— 62: Re.21,887
86: 2,253,876
230— 12: 2,253,859
69: 2,253,907
206: 2,253,623
232— 57.5: 2,253,863
233— 27: 2,253,647
234— 2: 2,253,721
235— 61: 2,253,748
79: 2,253,563
236— 1: 2,253,866
238— 330: 2,253,704
240— 2: 2,254,134
10.6: 2,253,951
2,253,952
25: 2,253,972
41.1: 2,253,933
41.25: 2,253,615

242— 11: 2,253,848
2,253,891
43.7: 2,254,178
45: 2,253,521
55.2: 2,253,664
55.5: 2,253,744
150: 2,253,522
244— 90: 2,254,196
104: 2,253,680
119: 2,254,152
137: 2,254,157
248— 226: 2,253,847
227: 2,254,019
252: 2,253,584
261: 2,253,898
250— 2: 2,253,508
11: 2,253,501
2,253,958
20: 2,253,832
2,253,853
2,253,867
2,253,942
2,254,122
27: 2,253,864
27.5: 2,253,862
2,254,096
36: 2,253,575
2,252,849
2,254,025
2,254,031
2,254,087
39: 2,254,023
41.5: 2,254,022
49.5: 2,253,542
63: 2,253,622
141: 2,254,090
151: 2,254,095
165: 2,254,073
175: 2,254,128
251— 56: 2,253,881
59: 2,253,888
112: 2,253,643

251— 144: 2,254,000
150: 2,253,831
252— 37: 2,253,585
314: 2,254,049
254— 2: 2,254,055
83: 2,253,768
88: 2,254,149
103: 2,254,085
255— 1.4: 2,253,851
23: 2,254,183
257— 3: 2,254,185
9: 2,253,927
28: 2,254,070
239: 2,254,189
258— 6: 2,254,063
259— 25: 2,254,042
96: 2,254,127
260— 22: 2,253,681
36: 2,253,886
80: 2,253,775
227: 2,253,724
236.5: 2,254,051
251: 2,254,186
276: 2,253,789
296: 2,254,191
314: 2,253,560
374: 2,253,828
397.4: 2,253,798
397.5: 2,253,669
403: 2,254,124
412.4: 2,253,696
416: 2,254,109
425: 2,254,094
2,254,101
497: 2,253,525
521: 2,253,811
552: 2,254,136
553: 2,253,528
564: 2,254,009
578: 2,253,555
615: 2,253,723
669: 2,253,934

260— 710: 2,253,991
730: 2,253,608
261— 49: 2,253,901
262— 12: 2,253,941
28: 2,253,626
263— 6: 2,253,897
14: 2,253,707
20: 2,253,809
266— 23: 2,253,540
267— 11: 2,253,645
2,253,646
268— 30: 2,254,150
74: 2,253,826
270— 55: 2,253,556
271— 2.3: Re.21,884
8: 2,253,870
30: 2,253,923
272— 57: 2,253,758
70: 2,253,996
273— 63: 2,253,872
115: 2,254,154
118: 2,253,796
121: 2,253,695
136: 2,253,605
137: 2,253,823
138: 2,253,787
274— 1: 2,254,048
17: 2,253,568
279— 39: 2,253,990
280—11.35: 2,253,889
2,253,890
106.5: 2,253,666
282— 9: 2,253,917
285— 49: 2,254,005
86: 2,253,691
97.8: 2,253,932
129: 2,253,628
287— 54: 2,253,857
288— 3: 2,253,904
292— 128: 2,253,660
182: 2,253,496
240: 2,254,167

292— 281: 2,254,180
347: 2,254,040
293— 54: 2,254,137
55: 2,253,931
294— 87: 2,253,909
296— 44: 2,253,805
2,253,818
63: 2,254,193
97: 2,253,766
298— 9: 2,253,548
299— 15: 2,253,600
67: 2,253,979
116: 2,254,123
124: 2,253,708
301— 112: 2,253,708
303— 84: 2,253,580
304— 16: 2,254,179
308— 2: 2,253,569
3: 2,253,846
4: 2,253,675
21: 2,254,148
187.1: 2,253,754
242: 2,253,969
309— 7: 2,253,739
2,254,026
12: 2,254,030
311— 13: 2,253,935
18: 2,254,071
39: 2,253,777
78: 2,254,004
90: 2,253,772
312— 39: 2,253,919
43: 2,254,038
62: 2,253,742
67: 2,253,854
68: 2,253,885
72: 2,253,554
78: 2,253,793
97: 2,253,807
150: 2,253,804

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re.21,887: 229— 62
2,253,494: 24— 205
2,253,509: 210— 152
2,253,517: 106— 154
2,253,521: 242— 45
2,253,530: 60— 13
2,253,542: 250— 49.5
2,253,554: 312— 72
2,253,564: 109— 56

2,253,566: 23— 308
2,253,569: 308— 2
2,253,573: 211— 147
2,253,606: 16— 128
2,253,608: 260— 730
2,253,617: 121— 158
2,253,618: 62— 116
2,253,661: 46— 78
2,253,696: 260—412.4

2,253,732: 154— 1
2,253,763: 58— 59
2,253,773: 8—142.5
2,253,777: 311— 39
2,253,809: 263— 20
2,253,841: 211— 60
2,253,851: 255— 1.4
2,253,858: 40— 104
2,253,859: 230— 12

2,253,885: 312— 68
2,253,897: 263— 6
2,253,907: 230— 69
2,253,923: 271— 30
2,253,925: 196— 94
2,253,927: 257— 9
2,253,939: 183— 2.5
2,253,941: 262— 12
2,253,946: 93— 20

2,253,964: 38— 61
2,253,970: 74— 189
2,253,991: 260— 710
2,253,994: 219— 8
2,253,996: 272— 70
2,254,057: 178— 7.5
2,254,068: 173—334.1
2,254,075: 15— 3
2,254,085: 254— 103

2,254,111: 126— 170
2,254,114: 178— 7.5
2,254,123: 299— 116
2,254,124: 260— 403
2,254,133: 45— 91
2,254,166: 38— 61
2,254,183: 255— 23

U. S. GOVERNMENT PRINTING OFFICE: 1941

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 529—No. 1 TUESDAY, AUGUST 5, 1941 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of August 5, 1941	1
Erratum	1
Notices of Cancellation	1
Classification Bulletin	2
Applications Under Examination	
Decisions of the U. S. Courts—	
In re Cooke	3
Suzuki & Company of New York, Ltd. *v.* Maggi Co., Inc.	5
In re Hill	7
In re Mims	8
Bennett *v.* Sonnenfeld and Sonnenfeld *v.* Bennett	10
Patent Suits	13
Trade-Mark Registrations Canceled	14
Adjudicated Patents	15
Adverse Decisions in Interference	15
Disclaimers	15
Changes in Classification	15
Trade-Marks Published (123 Applications)	25
Trade-Mark Registrations Granted	40
Trade-Mark Registrations Renewed	48
Reissues	51
Plant Patents	51
Patents Granted	52
Designs	204

August 5, 1941

Trade-marks	207—No.	389,337 to No.	389,543, inclusive.
T. M. Renewal	63		
Reissues	2—No.	21,870 to No.	21,871, inclusive.
Plant Patent	1—No.	480	
Patents	645—No.	2,251,258 to No.	2,251,902, inclusive.
Designs	174—No.	128,600 to No.	128,773, inclusive.
Total	1,092		

ERRATUM

U. S. Court of Appeals for the District of Columbia

Booth Fisheries Corporation *v.* Coe, Commissioner of Patents

In the report of the above identified case in Commissioner's Decisions Volume for the year 1940, pages 29 and 30, error appears which should be corrected as follows: Page 29, in the syllabus, last line thereof, and page 30, line 23-24, for the words "was due to 'inadvertence" read *was not due to "inadvertence.*

Notices of Cancellation

U. S. Patent Office, *Washington, D. C., July 16, 1941.*

Jas. L. Gilbert, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Seacoast Laboratories, Inc., New York, N. Y., to effect the cancellation of registration No. 239,039, issued February 21, 1928, to Jas. L. Gilbert, 1302 East Slauson Avenue, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Jas. L. Gilbert at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Jas. L. Gilbert, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Washington, D. C., July 16, 1941.*

Margaret F. Howe, her assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Hat Corporation of America, Van Zandt, Norwalk, Conn., to effect the cancellation of trade-mark registration of Margaret F. Howe, 132 East 19th St., New York, N. Y., No. 195,694, dated March 3, 1925, and the notice of such proceeding sent by registered mail to the said Margaret F. Howe at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Margaret F. Howe, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office. *Washington, D. C., July 22, 1941.*

Kerr Products Company, Inc., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Margaret C. Burden, 2312 Derby St., Berkeley, Calif., to effect the cancellation of trade-mark registration of Kerr Products Company, Inc., 2801 C St., Sacramento, Calif., No. 249,521, dated November 13, 1928, and the notice of such proceeding sent by registered mail to the said Kerr Products Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Kerr Products Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Classification Bulletin

Classification Bulletin No. 79 is now available and may be purchased from the Commissioner of Patents.

200— 116: 2,253,815
2,254,067
120: 2,253,719
2,253,720
122: 2,254,054
138: 2,253,553
151: 2,253,756
166: 2,253,533
2,253,672
201— 64: 2,253,577
202— 40: 2,254,182
52: 2,253,999
170: 2,253,579
204— 49: 2,254,161
122: 2,253,865
140: 2,253,835
2,253,871
297: 2,253,576
205— 9: 2,253,988
14: 2,253,653
206— 15.1: 2,253,678
41.1: 2,253,887
44: 2,253,974
209— 127: 2,254,135
282: 2,253,806
496: 2,253,760
210— 3: 2,254,176
23: 2,253,762
42.5: 2,253,755
55: 2,253,500
2,253,543
2,253,878
131: 2,253,684
2,253,685
2,253,686
152: 2,253,509
2,253,692
166: 2,253,690
211— 28: 2,253,764
60: 2,253,841
147: 2,253,573
212— 38: 2,254,083

213— 8: 2,254,138
214— 84: 2,254,194
215— 63: 2,253,918
217— 56: 2,253,726
60: 2,253,561
218— 15: 2,253,644
219— 4: 2,253,702
8: 2,253,812
2,253,994
10: 2,253,709
19: 2,253,637
220— 27: 2,253,565
47: 2,254,141
221— 11: 2,254,168
60: 2,253,738
102: 2,253,785
2,253,945
136: 2,254,065
223— 73: 2,254,126
224— 36: 2,253,649
225— 1: 2,253,883
2,253,884
226— 14: 2,254,097
227— 37: 2,253,604
229— 62: Re.21,887
86: 2,253,876
230— 12: 2,253,859
69: 2,253,907
206: 2,253,623
232— 57.5: 2,253,863
233— 27: 2,253,647
234— 2: 2,253,721
235— 61: 2,253,748
79: 2,253,563
236— 1: 2,253,866
238— 330: 2,253,704
240— 2: 2,254,134
10.6: 2,253,951
2,253,952
25: 2,253,972
41.1: 2,253,933
41.25: 2,253,615

242— 11: 2,253,848
2,253,891
43.7: 2,254,178
45: 2,253,521
55.2: 2,253,664
55.5: 2,253,744
150: 2,253,522
244— 90: 2,254,196
104: 2,253,680
119: 2,254,152
137: 2,254,157
248— 226: 2,253,847
227: 2,254,019
252: 2,253,584
261: 2,253,898
250— 2: 2,253,508
11: 2,253,501
2,253,958
20: 2,253,832
2,253,853
2,253,867
2,253,942
2,254,122
27: 2,253,864
27.5: 2,253,862
2,254,096
36: 2,253,575
2,252,849
2,254,025
2,254,031
2,254,087
29: 2,254,023
41.5: 2,254,022
49.5: 2,253,542
63: 2,253,622
141: 2,254,090
151: 2,254,095
165: 2,254,073
175: 2,254,128
251— 56: 2,253,881
59: 2,253,888
112: 2,253,643

251— 144: 2,254,000
150: 2,253,831
252— 37: 2,253,585
314: 2,254,049
254— 2: 2,254,055
83: 2,253,768
88: 2,254,149
103: 2,254,085
255— 1.4: 2,253,851
23: 2,254,183
257— 3: 2,254,185
9: 2,253,927
28: 2,254,070
239: 2,254,189
258— 6: 2,254,063
259— 25: 2,254,042
96: 2,254,127
260— 22: 2,253,681
36: 2,253,886
80: 2,253,775
227: 2,253,724
236.5: 2,254,051
251: 2,254,186
276: 2,253,789
296: 2,254,191
314: 2,253,560
374: 2,253,828
397.4: 2,253,798
397.5: 2,253,669
403: 2,254,124
412.4: 2,253,686
416: 2,254,109
426: 2,254,094
2,254,101
497: 2,253,525
521: 2,253,811
552: 2,254,136
553: 2,253,528
564: 2,254,009
578: 2,253,535
615: 2,253,723
669: 2,253,934

260— 710: 2,253,991
730: 2,253,608
261— 49: 2,253,901
262— 12: 2,253,941
28: 2,253,626
263— 6: 2,253,897
14: 2,253,707
20: 2,253,809
266— 23: 2,253,540
267— 11: 2,253,645
2,253,646
268— 30: 2,254,150
74: 2,253,826
55: 2,253,556
271— 2.3: Re.21,884
8: 2,253,870
30: 2,253,923
272— 57: 2,253,758
70: 2,253,996
273— 63: 2,253,872
115: 2,254,154
118: 2,253,796
121: 2,253,695
136: 2,253,605
137: 2,253,823
138: 2,253,787
274— 1: 2,254,048
17: 2,253,568
279— 39: 2,253,990
280—11.35: 2,253,889
2,253,890
106.5: 2,253,666
282— 9: 2,253,917
285— 49: 2,254,005
86: 2,253,691
97.8: 2,253,932
129: 2,253,628
287— 54: 2,253,857
288— 3: 2,253,904
292— 128: 2,253,660
182: 2,253,496
240: 2,254,167

292— 281: 2,254,180
347: 2,254,040
293— 54: 2,254,137
55: 2,253,931
294— 87: 2,253,909
296— 44: 2,253,805
2,253,818
63: 2,254,193
97: 2,253,766
298— 9: 2,253,548
299— 15: 2,253,600
67: 2,253,979
116: 2,254,123
301— 112: 2,253,708
303— 84: 2,253,580
304— 16: 2,254,179
308— 2: 2,253,569
3: 2,253,846
4: 2,253,675
21: 2,254,148
187.1: 2,253,754
242: 2,253,969
309— 7: 2,253,739
2,254,026
12: 2,254,030
311— 13: 2,253,935
18: 2,254,071
39: 2,253,777
78: 2,254,004
90: 2,253,772
312— 39: 2,253,919
43: 2,254,038
62: 2,253,742
67: 2,253,854
68: 2,253,885
72: 2,253,554
78: 2,253,793
97: 2,253,807
150: 2,253,804

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re.21,887: 229— 62
2,253,494: 24— 205
2,253,509: 210— 152
2,253,517: 106— 154
2,253,521: 242— 45
2,253,530: 60— 13
2,253,542: 250— 49.5
2,253,554: 312— 72
2,253,564: 109— 56

2,253,566: 23— 308
2,253,569: 308— 2
2,253,573: 211— 147
2,253,606: 16— 128
2,253,608: 260— 730
2,253,617: 121— 158
2,253,618: 62— 116
2,253,661: 46— 78
2,253,696: 260—412.4

2,253,732: 154— 1
2,253,763: 58— 59
2,253,773: 8—142.5
2,253,777: 311— 39
2,253,809: 263— 20
2,253,841: 211— 60
2,253,851: 255— 1.4
2,253,858: 40— 104
2,253,859: 230— 12

2,253,885: 312— 68
2,253,897: 263— 6
2,253,907: 230— 69
2,253,923: 271— 30
2,253,925: 196— 94
2,253,927: 257— 9
2,253,939: 183— 2.5
2,253,941: 262— 12
2,253,946: 93— 20

2,253,964: 38— 61
2,253,970: 74— 189
2,253,991: 260— 710
2,253,994: 219— 8
2,253,996: 272— 70
2,254,057: 178— 7.5
2,254,068: 173—334.1
2,254,075: 15— 3
2,254,085: 254— 103

2,254,111: 126— 170
2,254,114: 178— 7.5
2,254,123: 299— 116
2,254,124: 260— 403
2,254,133: 45— 91
2,254,166: 38— 61
2,254,183: 255— 23

U. S. GOVERNMENT PRINTING OFFICE: 1941

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 529—No. 1 TUESDAY, AUGUST 5, 1941 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF AUGUST 5, 1941	1
ERRATUM	1
NOTICES OF CANCELLATION	1
CLASSIFICATION BULLETIN	1
APPLICATIONS UNDER EXAMINATION	2
DECISIONS OF THE U. S. COURTS—	
In re Cooke	3
Suzuki & Company of New York, Ltd. v. Maggi Co., Inc.	5
In re Hill	7
In re Mims	8
Bennett v. Sonnenfeld and Sonnenfeld v. Bennett	10
PATENT SUITS	13
TRADE-MARK REGISTRATIONS CANCELED	14
ADJUDICATED PATENTS	15
ADVERSE DECISIONS IN INTERFERENCE	15
DISCLAIMERS	15
CHANGES IN CLASSIFICATION	15
TRADE-MARKS PUBLISHED (123 APPLICATIONS)	25
TRADE-MARK REGISTRATIONS GRANTED	40
TRADE-MARK REGISTRATIONS RENEWED	48
REISSUES	51
PLANT PATENTS	51
PATENTS GRANTED	52
DESIGNS	204

August 5, 1941

Trade-marks	207—No. 389,337 to No.	389,543, inclusive.
T. M. Renewals	63	
Reissues	2—No. 21,870 to No.	21,871, inclusive.
Plant Patents	1—No. 480	
Patents	645—No. 2,251,258 to No.	2,251,902, inclusive.
Designs	174—No. 128,600 to No.	128,773, inclusive.
Total	1,092	

ERRATUM

U. S. Court of Appeals for the District of Columbia

BOOTH FISHERIES CORPORATION *v.* COE, COMMISSIONER OF PATENTS

In the report of the above identified case in Commissioner's Decisions Volume for the year 1940, pages 29 and 30, error appears which should be corrected as follows: Page 29, in the syllabus, last line thereof, and page 30, line 23–24, for the words "was due to 'inadvertence" read *was not due to "inadvertence.*

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., July 16, 1941.*

Jas. L. Gilbert, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Seacoast Laboratories, Inc., New York, N. Y., to effect the cancellation of registration No. 239,039, issued February 21, 1928, to Jas. L. Gilbert, 1302 East Slauson Avenue, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Jas. L. Gilbert at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Jas. L. Gilbert, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., July 16, 1941.*

Margaret F. Howe, her assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Hat Corporation of America, Van Zandt, Norwalk, Conn., to effect the cancellation of trade-mark registration of Margaret F. Howe, 132 East 19th St., New York, N. Y., No. 195,694, dated March 3, 1925, and the notice of such proceeding sent by registered mail to the said Margaret F. Howe at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Margaret F. Howe, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., July 22, 1941.*

Kerr Products Company, Inc., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Margaret C. Burden, 2312 Derby St., Berkeley, Calif., to effect the cancellation of trade-mark registration of Kerr Products Company, Inc., 2801 C St., Sacramento, Calif., No. 249,521, dated November 13, 1928, and the notice of such proceeding sent by registered mail to the said Kerr Products Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Kerr Products Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Classification Bulletin

Classification Bulletin No. 79 is now available and may be purchased from the Commissioner of Patents.

Condition of Applications Under Examination at Close of Business July 19, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,033; Trade-Mark Division, 1,128. Oldest new case, Oct. 24, 1940; oldest amended, Oct. 24, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 11	Jan. 22	714
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Jan. 30	Jan. 29	520
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	May 19	May 12	489
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Apr. 8	Apr. 11	611
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 19	Mar. 21	417
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	†Dec. 31	Jan. 9	1146
5725	7. JARBOE, C. G., Optics; Photography	Feb. 7	Jan. 31	956
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Jan. 17	Jan. 15	847
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Feb. 20	Feb. 19	641
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Feb. 21	Feb. 27	492
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 22	Mar. 17	417
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Feb. 26	Feb. 21	570
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 17	Jan. 17	504
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Apr. 3	Mar. 27	539
4897	15. HENKIN, BENJ., Glass; Plastic Blank and Earthenware Apparatus; Plastics	Jan. 24	Jan. 21	1116
5716	16. SPENCER, C. J., Telegraphy; Telephony	Mar. 21	Mar. 6	541
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 18	Mar. 17	617
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 12	Feb. 20	450
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 3	Mar. 8	726
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 8	Feb. 25	463
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Apr. 29	Apr. 9	304
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Oct. 24	†Oct. 24	1569
7624	23. BUTTNER, W. J., Registers (part)	†Oct. 30	†Nov. 7	270
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 31	Feb. 3	920
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 22	Mar. 22	460
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Mar. 12	Mar. 6	441
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Jan. 30	Jan. 30	504
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Feb. 5	Feb. 1	393
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Jan. 4	Jan. 22	731
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 20	Mar. 19	499
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Feb. 7	Feb. 7	1368
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 17	Feb. 24	961
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Feb. 25	Feb. 19	1048
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Jan. 4	†Dec. 28	525
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Jan. 31	Jan. 4	1036
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Feb. 5	Feb. 14	514
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Feb. 24	Mar. 11	567
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Oct. 29	†Oct. 29	1337
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 24	Mar. 20	541
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 6	Jan. 6	1750
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Feb. 15	Feb. 14	461
5882	42. CUTTING, H. O., Electric Signaling	Apr. 3	Mar. 31	367
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Jan. 25	Jan. 27	633
4087 B	44. HARVEY, L. P., Refrigeration	Jan. 18	Jan. 10	632
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 9	Mar. 31	333
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Feb. 21	Feb. 21	743
6082	47. KANOF, W. J., Clutches; Brakes	Mar. 12	Mar. 5	377
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Mar. 27	Mar. 28	519
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Jan. 24	Jan. 11	734
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Jan. 25	Jan. 25	1160
5628	51. BACKUS, C. D., Radiant Energy (part)	Apr. 30	Apr. 30	457
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Mar. 17	Mar. 20	633
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 15	Jan. 10	833
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Jan. 29	Feb. 5	381
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Feb. 24	Feb. 24	368
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	†Dec. 19	†Dec. 20	1222
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings, Jewelry; Nut and Bolt Locks; Amusement Devices.	†Dec. 2	Mar. 31	187
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 3	Feb. 8	487
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Jan. 27	Feb. 1	991
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Mar. 6	Apr. 24	377
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 17	Apr. 4	290
5621	62. PUGH, E. C., Games; Geometrical Instruments	Apr. 21	Apr. 2	538
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Jan. 13	Jan. 13	1079
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Apr. 21	Apr. 17	578
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 1	Apr. 12	349
2099 B	Trade-Marks: F. A. RICHMOND	June 11	June 21	1128
2605	Designs: H. H. KALUPY	June 18	June 27	789

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Cooke

No. 4,285. Decided February 24, 1941

[117 F.(2d) 749]

Patentability—Relief Map.

Certain claims in an application relating to a relief map which define no elements of structure but depend for patentability upon the superior degree of perfection of the article over those of the prior art *Held* properly rejected as expressing nothing inventive over the prior art cited.

Appeal from Patent Office. Affirmed.

Mr. Joseph H. Milans and *Mr. Edmund Quincy Moses* for Cooke.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

Bland, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office which affirmed the decision of the Primary Examiner in finally rejecting claims 9, 13, and 14 of appellant's application relating to a relief map. The invention involved in the application concerns a relief map wherein the differences in elevation are shown, not only by the usual features of contour but also by means of photographic indications which register with the surface features of the terrain and which represent with almost accurate detail the objects sought to be mapped.

Each of the three claims before us is an article claim, and while we are not concerned with the method of or apparatus for making the article, it may be helpful in understanding the contentions of appellant and some of the references involved to state, with as little detail as possible, the essential steps in making appellant's relief map, by which method he claims to have produced an article of unusual accuracy and merit. Appellant in his brief states:

> In distinction from the models of prior art, the models considered in the present invention are formed in agreement with data continuously covering the entire area surveyed. This may be done in various ways. One method consists in simultaneously projecting two aerial photographs taken from different positions and properly brought into registry so as to produce an optical or stereoscopic "plastic" image of the terrain, and then carving the relief under the projecting apparatus. * * *.

Elsewhere in his brief appellant states:

> * * * For certain purposes it is highly desirable to produce on the relief model a photographic representation of the terrain, this being preferably done by coating the surface of the model with a sensitized emulsion, projecting a photograph on the surface, and then developing the emulsion so as to produce the photograph on the surface of and in coincidence with the model. * * *

Originally, the Examiner rejected claims 4 and 6 to 16, inclusive, and relied upon the following references: Nicolai, 532,577, January 15, 1895; Blanther, 473,901, May 3, 1892; Nichols, 173,988, February 22, 1876; Cooke, 1,980,981, November 20, 1934; Corlett et al., 1,583,125, May 4, 1926; Fairchild, 576,047, January 26, 1897; Denkhoff, 1,480,198, January 8, 1924; Wenschow, 1,393,255, October 11, 1921.

The Examiner also relied on *Ex parte Sweetland*, 1922 C. D. 6.

After appeal to the Board, the appellant filed affidavits concerning the alleged invention and discussed the prior art cited. Thereafter the Board, under rule 138, remanded the case to the Primary Examiner for a report to it as to his conclusions thereon. The Examiner withdrew the reference Cooke, which was a patent to the present applicant for the process of and apparatus for making the article involved in the instant application. The Examiner found that the two cases presented two patentably distinct inventions, and that since the instant application was a division of the application which ripened into the patent, the patent was not available as a reference. Since the decision in *Ex parte Sweetland*, supra, was relied upon in connection with the right to consider Cooke as a reference, it went out of the case.

Upon reconsideration the Examiner held that, in view of the affidavits filed, claims 4, 6, 8, 10, 15, 16, and 7 (when the latter was modified) were allowable. Claims 9, 11, 12, 13, and 14 were considered unpatentable over the art of record, eliminating the reference Cooke.

Before the Board, appellant withdrew the appeal as to claims 11 and 12, which left claims 9, 13, and 14 for its consideration. The three claims involved read:

> 9. A pictorial representation of actual terrain having a surface which corresponds at all points and in all relations of points in substantially exact quantitative manner in three dimensions with the form of the surface of the actual terrain represented in such pictorial representation.
>
> 13. A three dimensional model of terrain having a definite scale relationship to said terrain in which the accuracy of correspondence with the form of said terrain is equally precise at all levels, whereby periodic variation of accuracy with height is avoided.
>
> 14. Means for facilitating the study and measurement of an area of the earth's surface comprising a three-dimensional model of a portion of said surface conforming with substantial accuracy to said surface to known horizontal and vertical scales, whereby the spacial relationships of all objects represented may be determined by direct measurement of said model, the accuracy of said determined spacial relationships being independent of level or difference in level of said objects.

The material portion of the Board's decision relating to claims 9, 13, and 14 reads as follows:

> The Examiner has held that to give the Nicolai, Blanther, Wenschow or Nichols maps the photographic surface of Corlett et al., Denkoff or Fairchild is lacking in invention.
>
> These claims are limited to a representation of actual terrain having a surface which corresponds at all points and in all relations in quantitative manner in three dimensions with the form of the surface of the actual terrain.
>
> Except for more detailed limitations, the patent to Blanther, for example, appears to comprise what is involved in these rejected claims. To have the contour of the representation in greater detail would be obviously desirable and to merely extend the representation to the more specific indications is considered not to amount to a patentable difference.
>
> Claim 9 which calls for a pictorial representation is apparently not limited to a photographic representation, as in the allowed claims, and is believed not to render the claim patentable over the art cited.
>
> * * * * * * * *
>
> The rejection is affirmed as to claims 9, 13, and 14.

It is very difficult, from an examination of the Board's opinion, to know the exact grounds of its

rejection of claim 9. It is true that it stated that the rejection of the Examiner was affirmed. It should be noted that the Examiner rejected all the claims in the application originally by stating:

> It is held lacking in invention to give the Nicholai, Blanther, Wenschow, or Nichols maps the photographic surface of Cooke, Corlett, Denkhoff, or Fairchild. In so applying the references, the pictures of Denkhoff or Fairchild are considered to be the equivalent of pictures of terrain. What shall be represented, on what relative scales, and how accurately are matters, not of patentable invention, but at most of judicious choice of means to a desired end and mechanical skill in constructing the article.

The Board set out the ground on which the Examiner rejected all the claims, including those here on appeal, and then stated what apparently means that the appealed claims defined nothing inventive over Blanther and that claim 9 should be rejected because it calls for a pictorial representation instead of for a photographic representation as in the allowed claims, for instance claim 10. In view of this rather unusual situation, brought about by the failure of the Board to apply and discuss the references in a more satisfactory manner, it is necessary for us to consider and discuss the references somewhat in detail.

The patents to Nicholai, Blanther, and Nichols disclose three-dimensional maps. Corlett discloses the making of relief maps by photographing the terrain concerned. Fairchild and Denkhoff disclose photographs which show different elevations. Wenschow discloses embossed maps.

It is pointed out by the appellant that the prior art topographical maps such as Blanther's

> "show land form at definite intervals of heights above sea level, and convey no information whatever as to the height or ground form of areas lying between the drawn contour lines."

Appellant refers to Nicholai as teaching nothing more than covering a map like Blanther's model with a paper map. Wenschow, he states, discloses a way of forming a plastic bed for molding into a map one of the "rough pictorial types of maps." He states that it gives no disclosure as to how to produce an accurate relief map. He states that Corlett discloses a wholly

> "incorrect and inoperative method of making flat maps from aerial photographs and drawing contour lines on such flat maps or photographs."

Regardless of this contention, the Blanther map shows true elevations in a three-way dimensional relief model or map. It is true that in the spaces between the terraces or super-imposed levels in Blanther there is in no sense a representation of true levels. Wenschow discloses a way of forming a plastic bed for molding a map so as to indicate different heights or elevations, and while these elevations might not be as accurate as those obtained by the method of appellant, the method is not here involved. As before stated, it is old in the cited prior art to make pictorial representations of actual terrain as is called for by claim 9, and the remainder of claim 9, together with claims 13 and 14 merely call for a definite scale of relationship and for accuracy in the special relationships. It will be seen that there is a difference between appellant's article and those of the prior art. Obviously, there is a difference in the method of producing each of them. We are not here concerned with the method, and appellant has been allowed claims which we think fully cover the novel features of appellant's article.

As the case is presented to us, it seems to be the contention of appellant (and the Solicitor for the Patent Office has evidently so understood his contention) that the instant claims are patentable for the reason that the article itself more nearly approaches perfection in the objectives desired than do any of the articles disclosed in the prior art references. Appellant argues in effect that he is the first one to produce a three-dimensional relief map or model whereby the terrain is represented in such true and accurate manner that actual measurements, which are of great value in solving many different problems, can be made and relied upon. As we understand the decision of the Board, it is to the effect that obtaining "more specific indications" and having the true contour of the representation in greater detail, although desirable, was not a matter which was patentable over the references.

It is our view that merely because appellant has succeeded in producing an article that is more perfect than any similar article shown in the cited prior art, it does not necessarily entitle him to a patent on the article. It may be that invention rests in certain novel features of the article, as is emphasized by some of the allowed claims, and it may also be that invention rests in the method of and apparatus for making the article, but surely it cannot rest alone in the degree of accuracy or perfection obtained by the employment of the method and apparatus. It is obvious that the perfection of such a map or model might rest largely in the work of a skilled workman in accurately molding and faithfully bringing out the true characteristics of the terrain. The involved claims do not call for any particular structure which constitutes a more accurate map or model, nor, as before stated, is there here involved any method of or apparatus for making it. Appellant here seeks a patent monopoly upon any map of the character involved, regardless of how it may be made.

Appellant has here stressed the fact that the claims on appeal are directed to the model without the photograph reproduced thereon. (It is not believed that claim 9 is limited to a model.) He calls attention to the fact that a model which has permanently photographed thereon the exact representation of the terrain has been regarded as patentable by the Patent Office in granting the allowed claims, and from that standpoint argues that if the model when so photographed is patentable, the model itself, unphotographed, is also patentable, and attempts to point out the reasons why. We are not concerned here with the allowed claims. Whether they involve patentable subject matter is not a thing with which we are here concerned. It is our view that the instant claims, for the reasons stated, are unpatentable over the cited prior art. The claims at bar define no elements of structure but depend for patentability upon the superior degree of perfection of the article over those of the prior art, and it is our view that the tribunals below, notwithstanding the affidavits which were filed, correctly held that the claims define nothing inventive over the prior art cited, and the decision of the Board of Appeals, affirming that of the Examiner in rejecting the appealed claims is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

SUZUKI & COMPANY OF NEW YORK, LTD.

v.

MAGGI CO., INC.

Nos. 4,420 and 4,421. Decided February 24, 1941

[117 F.(2d) 562]

1. TRADE-MARKS — CONFUSING SIMILARITY — TESTIMONY ON PRONUNCIATION.

   "We attach little importance to the testimony as to the correct way of pronouncing the marks, and we think, under circumstances like those at bar, the decision of the issue involved should not be controlled by fine distinctions drawn by orthoëpists."

2. SAME—SAME—"AJI," AND "MAGGI" AND "MAGGIS."

   Registration of mark "aji" for use on seasoning powder *Held* properly refused to applicant in view of the opposer's previously used and registered marks, "Maggi" and Maggis," for seasonings in solid and liquid form, on the ground that confusion would likely result from the concurrent use of the several marks on account of the similarity of the sound of the marks.

APPEAL from Patent Office. Affirmed.

Messrs. William Wallace White and *Scotti* (*Mr. Edmund Dill Scotti* of counsel) for Suzuki & Co., of New York, Ltd.

Mr. William Thomas Jones (*Mr. Edward G. Roe* of counsel) for Maggi Co., Inc.

BLAND, *J.*:

The appeals here involved are from the decisions of the Commissioner of Patents which affirmed those of the Examiner of Trade-Mark Interferences in two opposition proceedings. By stipulation the testimony taken applied to both oppositions. Single briefs were submitted below and the same character of briefs are submitted here. The Examiner sustained both oppositions and in each case held that the applicant was not entitled to register the trade-mark for which application was made. The Examiner wrote a separate decision in each instance, but in the opposition involved in appeal No. 4,421 he relied upon his reasons fully set forth in his decision in the companion opposition. The Commissioner wrote but one decision which was filed in both oppositions. We will dispose of the cases in one opinion.

S. Suzuki & Company, of New York, Ltd., hereinafter referred to as appellant, is the owner of a well-known trade-mark registered as "Ajinomoto," which it used in the hyphenated form, "Aji-No-Moto," on its product which is here involved, to wit, seasoning powder. In the two applications which are involved here it sought to register, for use on the same product, the trade-mark "aji." In one application the mark consists of the term "aji" on a panel. There is no contention here that the mark with the panel is registrable if the other is not.

Appellee, the Maggi Co., Inc., filed notices of opposition, based upon its several registered trade-marks "Maggi" and Maggis" for seasonings in solid and liquid form for improving soups, etc. The oppositions are based upon the confusion-in-trade clause of section 5 of the Trade-Mark Act of February 20, 1905, as amended (15 U. S. C. A. 85).

The record clearly shows that appellee or its predecessors have used the said trade-marks on said goods extensively since 1895, and there is some testimony indicating that they had been so used prior to that date. The record shows that the product was of Swiss origin; that it had been advertised in this country since 1902; that such advertisement continued on through the years, the expenses of which amounted to many thousands of dollars per year; that the sales of appellee's product during one period of six years from 1931 to 1937 was over a million dollars; that its products are sold in nearly every State of the United States; that the sales are made to the institutional trade, to hotels and restaurants, and to the retail trade, that is, to chain and independent grocers, delicatessen stores and to home consumers; that it carries on a general line of advertising, and that at one time it employed the radio service for that purpose.

The appellant alleges that it has used its mark on its said goods since August 3, 1937.

Notwithstanding the thirteen reasons of appeal assigned by appellant, we think the only question presented which we need to determine is whether or not the concurrent use of the two marks as proposed by appellant would result in such confusion or mistake as the said registration statute was intended to prevent. The record is a large one. Among other things the testimony was directed to the meaning of the respective trade-marks and especially to their pronunciation. The briefs of the parties are quite complete in the analysis of this testimony.

The record shows that the word "aji" may be pronounced ăjē, with "a" sounding as in "at" and "i" taking the sound of long "e," or it is pronounced ājē, the "a" being sounded as in "age." The same is substantially true with the testimony as to "Maggi" and "Maggis." They may be either pronounced with long "a" as in "may" or with short "a" as in "mat."

When the "a" in "aji" is given the long sound and "i" that of "ē," and the same sound is given to "a" and "i" in "Maggi" and "Maggis," and the "g's" are given the soft sound, the result is identical except for such sound as may be attached to the letter "m," which, in most words, is never very distinct.

[1] While there may be some resemblance in the appearance of the marks, it is our belief that confusion would result by the concurrent use of the two marks on the goods of the respective parties, which are admittedly of the same descriptive

properties, chiefly on account of the similarity of the sound of the marks. Unquestionably, in ordering the merchandise by telephone or in advertising it over radio the goods sold under the mark "aji" might easily be understood to be the goods of appellee which are sold under the trade-marks "Maggi" or "Maggi8."

Appellant contends that people of foreign extraction buying the goods would not be confused because of the difference in the meaning of the terms. It contends that the trade-mark "aji" is ordinarily pronounced by English-speaking people by repeating the three letters separately, or if pronounced as one word the "a" is sounded as the initial "A" in "Ajax."

There is much contention here between the parties relating to what the record shows as to the usual manner of pronouncing the marks involved, and as to the proper way to pronounce them, and in the testimony of the witnesses there is considerable conflict on this question. It nevertheless appears that they may be pronounced and are frequently, in the trade, pronounced so that the mark "aji" is very similar in sound to "Maggi."

[1] We attach little importance to the testimony as to the correct way of pronouncing the marks, and we think, under circumstances like those at bar, the decision of the issue involved should not be controlled by fine distinctions drawn by orthoëpists. In *The American Products Co.* v. *F. A. Leonard*, 19 C. C. P. A. (Patents) 742, 53 F.(2d) 894, 415 O. G. 3, this court said:

> * * * As was well said by the witness, Clarence M. Mills: "There is no such thing as a correct pronunciation for a trade-mark. It is pronounced in different ways by different people."

Appellant further contends that there is no actual confusion proved; that there is such a difference in the appearance of the words when they are considered in their entirety, and such a difference in the purchasing conditions of the two goods that confusion would appear to be impossible. It contends that the goods of both parties are sold to discriminating purchasers and that even if it be assumed that there was a possibility of confusion it would be vague and far-fetched. Appellant's contentions also embrace the assertion that in the terms "Maggi" and "Maggi8" the "g's" are normally given the hard sound as in "Maggie."

[2] As before stated, we are in agreement with the conclusion reached by the Patent Office tribunals that on account of the similarity of the sound of the marks confusion is likely to result from the concurrent use of the two marks on the respective goods of the parties, and we do not overlook the fact that there is some similarity in appearance. However, as was said by the Commissioner, similarity in sound alone may be of controlling importance, and we think it would be sufficient in the present instance to bar the registration of the mark sought.

In *Marion Lambert, Inc.* v. *O'Connor*, 24 C. C. P. A. (Patents) 781, 86 F.(2d) 980, 477 O. G. 244, where the marks "Voo" and "Dew" were held to be confusingly similar, this court said:

> Obviously, sound may be of controlling importance where there are other similarities in the marks which are contributive to the likelihood of confusion. * * *

This court has gone further than the last above quotation would imply. In *E-Z Mills, Inc.*, v. *Martin Brothers Company*, 25 C. C. P. A. (Patents) 992, 95 F.(2d) 269, 494 O. G. 475, where the trade-marks "E-Z" and "Klad-ezee" were concerned, the court said:

> * * * That similarity in sound alone is sufficient to constitute confusing similarity between marks is well established. * * *

On this question see *Esso, Inc.*, v. *Standard Oil Co.*, 98 F.(2d) 1, and especially *Traders Oil Mill Company* v. *Lever Brothers Company*, 26 C. C. P. A. (Patents) 899, 100 F.(2d) 249, 504 O. G. 291.

As to appellant's argument concerning the lack of actual confusion being proved, the difference in the purchasing conditions and the contention that the goods of both parties were sold to discriminating purchasers, it is sufficient to say first, that while unimportant under the circumstances of this case, the record does disclose what appellee argues are two instances of actual confusion. Actual confusion does not have to be proved. *E-Z Mills, Inc.*, v. *Martin Brothers Company*, supra. If there is any difference concerning the manner in which the goods of the respective parties are purchased shown by the instant record, it certainly is not such as to be material in the decision of the issue presented. As to the purchasers of seasoning powder being discriminating in the sense that term is used in numerous decisions, we know of nothing about the goods, or the parties to whom they are sold, which is disclosed in the instant record, that would warrant a holding that the purchasers of the goods involved may be regarded as any more discriminating than are the purchasers of numerous articles relating to food sold to various kinds of purchasers throughout the world.

As to the normal English pronunciation of the terms "Maggi" and "Maggi8" involving giving the "g's" a hard sound, we think this is immaterial in view of the fact that it is shown in the record that the terms are not given this sound when used by many persons in dealing with the goods upon which the marks are used.

The circumstances of this case suggest to us that the appellant seeks to reap where it has not sown and make applicable the language used by this court in *Skelly Oil Co.* v. *The Powerine Co.*, 24 C. C. P. A. (Patents) 790, 86 F.(2d) 752, 477 O. G. 766, in which it was said:

> A vast field of words, phrases and symbols is open to one who wishes to select a trade-mark to distinguish his product from that of another. Unquestionably in our ever-increasing complex business life, the trend of modern judicial decisions in trade-mark matters is to show little patience with the newcomer who in adopting a mark gets into the borderline zone between an open field and one legally appropriated to another. As between a newcomer and one who by honest dealing has won favor with the public, doubts are always resolved against the former.

By quoting the last sentence above we do not mean to imply that we entertain any doubt in the premises. Under the circumstances of this case we conclude that the likelihood of confusion would unquestionably result from the concurrent use of the marks, and the decisions of the Commissioner, affirming those of the Examiner in sustaining the oppositions and holding that appellant may not have the registration of its proposed mark as applied for are affirmed.

Affirmed.

GARRETT, *P. J.*, and JACKSON, *A. J.*, concur in the conclusion.

U. S. Court of Customs and Patent Appeals

IN RE HILL

No. 4,428. Decided April 14, 1941

[118 F.(2d) 904]

PATENTABILITY—MACHINE FOR TREATING FRUIT AND THE LIKE.

Certain claims to a machine for cutting and treating fruits, vegetables, and the like for the production of base products therefrom *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Harold W. Mattingly (*Mr. Raymond Jones* of counsel) for Hill.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 9 and 11 in appellant's application for a patent for an alleged invention relating to an apparatus for

> "cutting and treating fruits, vegetables and the like for the production of base products therefrom, such as beverage bases and fruit juice products capable of being used in the manufacture of beverages, ices, confections and other food products."

One claim, claim 12, was allowed by the Primary Examiner.

It is stated in appellant's brief that

> "by reason of a typographical error, certain of the assignments of error recite claim 10, but claim 10 having been canceled, this appeal is directed solely to a consideration of the rejection of claims 9 and 11."

The appealed claims read:

> 9. In a machine for treating fruit and the like, a movable shredder having cutters thereon adapted to cut thin slices from a piece of fruit resting against the surface of said shredder, a cover for said shredder disposed above said shredder and having a conduit extending therethrough, through which fruit may pass toward the surface of said shredder, a receptacle disposed immediately below said shredder for receiving the particles of said fruit and fluids liberated therefrom by said shredder, said receptacle including a perforated portion acting as a screen and an imperforate portion engaging and fitting said cover, a tank disposed about said receptacle and adapted to hold a liquid medium to a level above the perforate portion of said receptacle whereby particles of fruit and fluids from said fruit will be deposited into said liquid medium without undue exposure to air.
>
> 11. In a machine for treating fruit and the like, a shredding disc having cutters thereon for cutting thin slices from fruit resting against the surface of said shredder, a shaft mounting said disc for rotation about a vertical axis, a tank disposed below said disc for holding a supply of liquid medium into which the cut fruit and fluids therefrom may be received, an extension on said shaft extending into said tank and impellers on said extension for agitating the liquid in said tank as said disc is rotated.

The references relied upon are: Clinton et al., 183,132, October 10, 1876; Seydel (Swiss), 62,538, November 11, 1912; Franke, 1,158,198, October 26, 1915.

Appellant's apparatus comprises a hopper, a motor having a vertically depending shaft which carries a shredding disc on its upper portion (adapted to cut fruit into thin slices) and agitator blades on its lower portion, a cover for the shredding disc having a conduit through which fruit may pass to the shredding disc, a cylindrical receptacle disposed immediately below the shredder having an imperforate top portion engaging and fitting the cover and a perforated bottom portion which acts as a screen or strainer, and a tank disposed about the cylindrical receptacle which is adapted to hold a liquid medium

> "to a level above the perforate portion of said receptacle whereby particles of fruit and fluids from said fruit will be deposited into said liquid medium [from the shredding disc] without undue exposure to air."

Appellant's "liquid medium" is composed of sugar and water or other substances, and is referred to in his application as an "extraction liquid."

It appears from appellant's application that as the shaft bearing the shredder disc and the agitator blades is rotated, the agitator blades circulate the "extraction liquid" through the perforated portion of the cylindrical receptacle, and, as a result thereof, "a form of extraction takes place" in the cylindrical receptacle, and the "extractable constituents [the oils and juices of the fruit] being distributed and dissolved" pass into the tank, while the fibrous materials remain in the cylindrical receptacle.

The patent to Clinton et al. relates to a machine for grating and slicing vegetables, and discloses a shredding disc similar to that disclosed in appellant's application.

The patent to Seydel relates to a process and apparatus for grating foodstuffs, such as raw potatoes, and discloses an apparatus comprising a shredding disc, a cover plate disposed above the shredding disc and having an opening through which the raw potatoes pass to the shredder, and a perforated receptacle comprising a strainer, referred to in the patent as a "small bag or sack," enclosed within a tank filled with water. The perforated receptacle or strainer is connected to an imperforate ring, and is positioned beneath the shredding disc to receive the grated material. The patentee's apparatus is so designed that the material is immersed in water both before and during the grating process. The patentee states:

> *The essence of the present invention consists in the grating of the material to be grated within water for the purpose of keeping off the air during the grating process* from the material to be grated and hence, especially in the case of potatoes, excluding harmful effects. This result is accomplished in the present invention by placing the material to be grated on a rotating grating disc under water and there pressing it against worms. The grating discs break up the material to be grated, after the manner of the known hand graters, in the water into a flaky structure which is allowed to drop into a filter-like woven material and there by expressing the potato flour is separated therefrom. [Italics ours.]

The patent to Franke relates to a vegetable mashing machine, and discloses, among other things, as stated by the Primary Examiner, a

"rotatable vertical shaft, having disintegrating means on the upper portion thereof and *agitating means* on the lower portion thereof, extending into a tank having a supply of liquid medium therein." [Italics ours.]

Claim 9 was rejected by the tribunals of the Patent Office on the patent to Seydel and also on that patent in view of the patent to Clinton et al., and claim 11 was rejected on the patent to Franke in view of the patent to Clinton et al.

It is argued by counsel for appellant that the essence of the invention defined in appealed claim 9 is that the fruit is comminuted "in the air" and immediately thereafter immersed in the "extraction liquid," and that thus appellant has accomplished

"substantially the same result as though the cutting operation had been performed with the extraction liquid completely immersing the shredding disc and fruit [as in the Seydel disclosure] but avoiding the mechanical difficulties which would be encountered if the shredding disc were required to operate while immersed in the liquid. This is accomplished by providing the 'receptacle' (the extraction tank 2) with a lower perforate portion [which corresponds to the perforate 'small bag or sack' disclosed in the patent to Seydel] acting as a screen and an upper imperforate portion [which the tribunals of the Patent Office held corresponds to the imperforate ring disclosed in the patent to Seydel] disposed immediately adjacent to and below the shredder *to provide a smooth imperforate surface which will direct the shredded particles immediately into the liquid while the liquid level need only come up to some point above the perforate screen portion but below the shredding disc.*" [Italics ours.]

Counsel point out that the essence of the Seydel invention consists in grating potatoes or other materials under water for the purpose of preventing the vegetables being exposed to the air during the grating process, and argue that

"an imaginary structure must be made from the Seydel patent in which the [imperforate] ring * * * and its extension wall * * * (which in Seydel is merely a support for the cutter) must be inverted, moved down below the cutting disc and made a part of the bag * * * so that in this new assembly the [imperforate] ring * * * and wall * * *, which formerly performed no function whatever, now perform the appellant's newly disclosed function of directing the material into the liquid."

It may be that the essence of appellant's invention is to comminute the fruit "in the air" and immediately thereafter immerse the comminuted particles in the extraction liquid. However, claim 9 is not limited to a device in which the fruit is comminuted in the air. It is true that the walls of the imperforate ring in the Seydel apparatus may not be as extended as the imperforate portion of the receptacle in appellant's apparatus; nevertheless, claim 9 contains no limitation as to the length of the imperforate portion of the receptacle, and it seems to us that if one desired to lengthen the walls of Seydel's imperforate ring so that they might perform the function of directing the comminuted material into the liquid, it certainly could be done without the exercise of the inventive faculties.

With regard to the rejection of claim 11 by the Patent Office tribunals on the patent to Franke in view of the patent to Clinton et al., it is contended here by counsel for appellant that the patent to Franke does not disclose a tank for holding a supply of liquid medium into which cut or shredded material may be received, and that, although one of the auxiliary cutter arms in Figure 1 of the Franke patent "was apparently accidentally shaded in such manner as to create the impression of an 'impeller'" (similar to the agitating means disclosed in appellant's application), the function of such impeller is not described in the patentee's application, "nor does such function even appear desirable in a potato masher."

It is true, as argued by counsel for appellant that the patentee Franke does not refer in his specification to the impeller or agitating means disclosed in Figure 1 of his drawings. However, such "agitating means" is clearly shown in that figure on the lower end of the rotatable vertical shaft which, as hereinbefore indicated, also carries a "rotary comminuting and mashing device" on its upper portion. Furthermore, the patent to Franke clearly discloses a tank or vessel suitable for holding a supply of liquid medium into which shredded material might be received. It will be observed that appealed claim 11 calls broadly for a tank disposed below the shredding disc for holding a supply of liquid medium and an "extension on" the "shaft extending into said tank and impellers on said extension for agitating the liquid in said tank as said disc is rotated."

Appealed claim 11 is for a structure, and the structure defined therein, with the exception of the shredding disc which is disclosed in the patent to Clinton et al., is clearly disclosed in the patent to Franke, although it may be that the function of the Franke apparatus differs from the function for which appellant's apparatus was designed.

We have given careful consideration to all of the arguments presented here by counsel for appellant, but are unable to hold, in view of the references of record, that the tribunals of the Patent Office erred in rejecting the appealed claims.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MIMS

No. 4,427. Decided March 31, 1941

[118 F.(2d) 354]

1. APPEAL—REASONS OF APPEAL.
   Original reasons of appeal can not be amended in appellant's brief.
2. PATENTABILITY—MACHINE FOR PRODUCING SHEETS OF KAPOK.
   Certain claims for a machine for producing sheets of kapok *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. William C. Linton (*Mr. Ulle C. Linton* of counsel) for Mims.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

The application for patent here involved, filed in the United States Patent Office October 27, 1936, is captioned "Method and Means for Forming Sheets or Fabrics from Kapok or Other Staple Fibres." Each of the four claims on appeal numbered, respectively, 18, 20, 21, and 22, is for a machine or mechanism. All were rejected by the Examiner as unpatentable in view of prior art cited; the Board of Appeals affirmed his decision, and by this appeal from the decision of the latter the matter is brought before us for review.

Claim 18 is deemed illustrative of the subject matter. It reads:

18. Mechanism for producing sheets or bats of short staple loosely agglomerated fibre, including a table, a multiple needle sewing mechanism disposed above the table, the table being transversely slotted for the passage of the needles of the sewing machine, upper and lower fibre holding and feeding carriers having parallel flights traveling in the same direction and at substantially the same speed over the table, each of said carriers consisting of a plurality of endless flexible elements spaced slightly from each other transversely of the table, the bat confronting faces of said flights being substantially smooth and the needles of the sewing mechanism operating through the spaces between said endless elements, and a thickness regulator disposed above the upper flight adjacent the needles and having rollers lightly engaged with the upper endless elements.

Appellant's brief points out certain limitations in claims 20, 21, and 22 as follows:

Claim 20 differs from this preceding claim [18] in that it calls for a cooperating flexible means for arranging the kapok in sheets and which flexible means cooperate with the thickness regulator in such a manner as to prevent any excessive pressure being applied to the kapok as would crush or bruise the fibers thereof.

Claim 21 differs from these preceding claims in that it calls for a machine which will produce sheets of kapok in a continuous manner, and

Claim 22 differs from the preceding claims in that it calls for an upper conveyor having a lower flight extending downwardly at a slight angle towards the lower conveyor to a point whereat the needles of the sewing machine may tack the kapok fibers together and, further, the guide rollers of the thickness regulator being arranged at the opposite sides of the needles so as to serve the purpose of a conventional presser foot or stripper of the material from the needles.

The foregoing, together with the limitation in the last clause of claim 18 for a thickness regulator disposed as described, seem to be claimed as new elements, and the brief refers to them as "cardinal elements."

The references cited are: Theine, 197,575, November 27, 1877; Fleckenstein, 705,333, July 22, 1902; Arbin, 1,413,511, April 18, 1922; Roby, 2,004,080, June 4, 1935; Mims, 2,046,083, June 30, 1936.

(1) Appellant's brief before us is very diffuse, covering forty-five printed pages. Some of its statements appear to be somewhat contradictory. It contains much matter which is wholly irrevelant as, for example, statements relating to claimed commercial success respecting the marketing of the product produced by the machine. The product is not involved here—only the machine is before us for consideration, and, it may be remarked, that the record contains no evidence respecting commercial success of the machine or of the kapok product itself. Five reasons of appeal, four of which are general in nature, accompany the notice of appeal as embraced in the record. In the brief, however, under the heading, "Assignment of Errors," seven paragraphs, each numbered, are recited, two of which were not embraced in the reasons as filed. These two are not regarded as particularly illuminating or material, but it should be understood that the original reasons of appeal cannot be amended in this manner.

Four of appellant's reasons of appeal are general in their nature, as illustrated by No. 4 which reads:

That the Board of Appeals has erred in holding that without modification, the structural features of the several prior patents could be combined to produce appellant's machine.

We do not find where the Board held that without modification the structural features of the prior patents could be combined to produce appellant's machine. As we understand the Board's decision, it held that no invention was involved in making such modifications of prior art structures as were necessary to adapt them to appellant's purposes.

Appellant's fifth reason of appeal reads:

That the claims 18, 20, 21 and 22 involve features, among them being a thickness regulator or an adjustable presser foot, which are not disclosed or even suggested by the prior patented art and, therefore, the Board of Appeals has erred in holding that the appellant's conception and the structure for putting it into practical use are met in all substantial details by the prior art upon the theory that it would not require invention to readapt these prior mechanisms for use with kapok.

It will be observed that in this assignment the only feature specifically claimed as being "not disclosed or even suggested by the prior patented art" is "a thickness regulator or an adjustable presser foot."

The Examiner held that this feature, as well as certain other features, was disclosed in the patent to Fleckenstein, saying:

Claims 18, 20, 21 and 22 are believed to be unpatentable over Fleckenstein. Figure 3 of said patent shows a longitudinal sectional view of a straw sewing machine. Chain members 37, guided by rollers 38, 40 and 42, support the work and feed it to the right and past the sewing needles. For engaging and feeding the work from above chains 49, guided by rollers 53, 55 and 51, are provided. It will be noted that roller 53 is supported on pivoted arm 54 so that upon thick work it will move upwardly, resulting in an incline as applicant's belt o is inclined from the left lower roll i to the intermediate roller i of Figure 1 of the instant application. Rollers 55 of Fleckenstein correspond to applicant's thickness regulator and obviously would perform the same function as they guide chains 49 and retain them in an adjusted position (see page 4, lines 48 to 57, of Fleckenstein). These rollers are arranged on opposite sides of the needle. That is, they are spaced laterally of the direction of feed of the material with respect to the needles.

The Examiner also held that the feature under discussion was present in the patent to Arbin, provided by certain rollers which he pointed out as "rolls 3."

It was said by the Board:

Appellant's argument is directed mainly to the thought that the various machines made of record would not be satisfactory to work on bats of short staple loosely agglomerated fibres such as kapok. He attempts to point to structural differences by referring to the thickness regulator in the claims. We have noted in the original specification that this so called thickness regulator was called an adjustable presser foot fitted with rollers. Obviously if the material to be sewn is of soft character as kapok, the pressure exerted on it must be considerably less than with materials such as books, straw and grass mats, and fabrics.

However, appellant has a prior patent, 2,046,083, of June 30, 1936, which shows mechanism for feeding pads of kapok and the like to sewing mechanism and this patent teaches that the kapok may be sewn bare or cloth may be put over the top part or two cloths may be used on both sides or two sheets of paper, one on each side of the pad.

The present claims, when viewed in the light of the prior art, would indicate that Mims discovered mechanism such as shown in the prior art acting on books and straw and the like and re-adapted such mechanism for use with kapok primarily by reducing the pressure of the presser foot on the kapok. We are not inclined to allow claims which are met in all substantial details by the prior art on the theory that it would require invention to re-adapt these mechanisms for use with kapok. The former Mims construction shows that this object has been accomplished by using a frame for feeding the kapok to the sewing mechanism, and the prior art sug-

gests the use of upper and lower continuous conveyor belts for a similar purpose.

It may be said that the Fleckenstein patent relates to a machine for making mats for bottle covers, using straw, marsh grass and the like, and the patent to Arbin relates to a machine for sewing mats for hothouses and the like, straw being named as a material used. The brief of appellant insists that these along with the Theine patent (for a book-stitching machine) and the Roby patent (a hemstitching machine) "have no analogy to the present invention."

The question of non-analogous art is not raised by the reasons of appeal, and even if it were we should not regard the contention as being well taken. Irrespective of this, it may be said that appellant's prior patent is in the same field as that of his instant application.

(2) Appellant's several contentions, so far as justified by his reasons of appeal, have been carefully studied and considered. They do not convince us of error below, and the decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

BENNETT *v.* SONNENFELD

AND

SONNENFELD *v.* BENNETT

Nos. 4,376 and 4,377. Decided February 24, 1941

[117 F.(2d) 762]

1. INTERFERENCE—PRIORITY—ESTOPPEL TO RAISE QUESTION OF RIGHT TO MAKE COUNT.

Where the parties B and S were involved upon the same applications in a former interference that also involved the application of a third party, and the party S in that interference proposed a count under rule 109 and the party B did not oppose said count on the ground S was not entitled to make it, and the Primary Examiner in the later two-party interference, in determining a motion by the party B to dissolve, stated, that because of the similarity between the proposed count and count 1 of the later two-party interference, the party B was probably estopped to question the right of S to make said count 1, *Held* that the Board of Appeals properly concluded that B was not so estopped, in view of the fact that the said count 1 contains two express limitations that are not found in the proposed count.

2. SAME—SAME—DILIGENCE.

Accord given to holdings of the Examiner of Interferences and the Board of Appeals that work relied upon by the party B was on a species distinct from that defined in the counts, and did not constitute diligence in adapting and perfecting the invention defined by the counts.

2. SAME—SAME.

Record reviewed and *Held* that the party S has the right to make count 1, that the party B failed in proving diligence from just prior to S's foreign filing date to his own filing date, and that priority as to both counts should have been awarded to the party S.

APPEAL from Patent Office. (4,376) Affirmed.
APPEAL from Patent Office. (4,377) Reversed.

Mr. Henry T. Hornidge for Bennett.

Mr. George J. Schottler (*Mr. George J. Schottler* and *Mr. Manvel Whittemore* of counsel) for Sonnenfeld.

JACKSON, *J.*:

These are appeals in an interference proceeding from a decision of the Board of Appeals of the United States Patent Office. Two counts are involved. The Examiner of Interferences in his decision awarded priority of invention of the subject matter of both counts to the party Sonnenfeld. The Board of Appeals reversed the decision of the Examiner as to count 1 and awarded priority of invention of the subject matter of that count to the party Bennett and affirmed the decision of the Examiner as to count 2.

Bennett appeals from the award of priority to Sonnenfeld as to count 2 (appeal No. 4,376), and Sonnenfeld appeals from the award of priority to Bennett as to count 1 (appeal No. 4,377). The appeals were briefed and argued together and will be decided in this opinion.

The involved invention relates to high tension electric cable systems, and is sufficiently clear from the counts, which read as follows:

1. A multi-conductor high tension electric cable system comprising in combination a plurality of cable conductors of the solid stranded type, each conductor being individually insulated with oil pervious impregnated insulating material and said conductors being free for relative lateral movement, a pipe line enclosing said conductors, the internal diameter of said pipe line relatively to the space occupied by the conductors and their insulation being such as to permit of said insulated conductors being drawn into the pipe line and to permit of their free movement relatively to each other within the pipe line to accommodate variations in their length incident to operation, oil filling the space in said pipe line unoccupied by the said insulated conductors, said insulated conductors being immersed in and in direct contact with said oil, and means for maintaining said oil under a pressure of not substantially less than five atmospheres to increase its dielectric strength and promote impregnation of the cable and the elimination of internal corona losses.

2. A high tension electric cable system comprising in combination an unsheathed cable conductor insulated with permeable impregnated insulating material, a pipe line enclosing said conductor, the internal diameter of said pipe line relatively to the space occupied by the conductor and its insulation being such as to permit of said insulated conductor being drawn into the pipe line and to permit of its free movement transversely within the pipe line, oil filling the space in said pipe line unoccupied by the said conductor and its insulation and in which the conductor and its insulation are submerged, and means for maintaining said oil under sufficiently high pressure to increase its dielectric strength.

The interference arises between the application of the party Bennett, Serial No. 666,032, filed April 13, 1933 (a division of an application, Serial No. 553,714, filed July 29, 1931, which ripened into Patent No. 2,015,063 issued September 24, 1935), and the application of the party Sonnenfeld filed December 10, 1931, based upon his Austrian application No. A 9267—30, filed December 10, 1930. Bennett is therefore the junior party and must prove priority of the involved invention by a preponderance of the evidence.

Count 1 originated in the application of Bennett and count 2 in the application of Sonnenfeld. The interference containing count 1 only was declared October 30, 1936, and was redeclared in its present form May 6, 1937.

The General Cable Corporation is the assignee of Sonnenfeld and the Okonite-Callendar Cable Company, Incorporated, is the assignee of Bennett.

Bennett, in his preliminary statements, alleged conception of the invention between October 1 and October 15, 1930, first drawing, written description

and disclosure of the invention to others about October 15, 1930, constructive reduction to practice of the invention by filing an application for patent, Serial No. 553,714, July 29, 1931, and diligence in adapting and perfecting the invention from about December, 1930. Sonnenfeld, in his preliminary statements, relies upon his Austrian filing date of December 10, 1930.

During the course of proceedings in the Patent Office many motions and petitions were filed. None of them, however, is pertinent to the issue here except the motion of Bennett to dissolve the interference on the ground that the disclosure of the Sonnenfeld application is inadequate to support count 1, and the contention of Sonnenfeld that Bennett is estopped to raise the question of the sufficiency of the application of Sonnenfeld because of his alleged failure to raise the same question in a former interference which involved the present applications and the application of a third party.

In the former interference, under rule 109 of the Rules of Practice in the United States Patent Office, Sonnenfeld proposed four claims, as counts, one of which reads as follows:

A multi-conductor high tension electric cable system, comprising in combination a plurality of unsheathed cable conductors, each conductor being independently insulated with permeable impregnated insulating material, a pipe line enclosing said conductors, the internal diameter of said pipe line relatively to the space occupied by the conductors and their insulation being such as to permit of said insulated conductors being drawn into the pipe line and to permit of their free movement relatively to each other within the pipe line, oil filling the space in said pipe line unoccupied by the said conductors and their insulation and in which the conductors and their insulation are submerged, and means for maintaining said oil under sufficiently high pressure to increase its dielectric strength.

In the present interference the Primary Examiner stated that while Bennett opposed the introduction of the above quoted claim on certain grounds he did not raise the question as to whether Sonnenfeld was entitled to make the claim. The Examiner held that the present count 1 and the above quoted claim are precisely the same as to subject matter and so nearly identical in scope that it would be impossible to hold that Sonnenfeld could make one of them but not the other. Although he stated that because of the similarity between the quoted claim and count 1 herein Bennett was probably estopped to question Sonnenfeld's right to make count 1, nevertheless he considered the question on its merits and held that Sonnenfeld's application disclosed every element of the count.

Bennett petitioned the Commissioner of Patents to review the decision of the Primary Examiner. The Commissioner held that because the Examiner had considered the motion of Bennett on its merits and no manifest error appeared therein it was unnecessary to review the Examiner's holding.

The Examiner of Interferences, while he stated that he was precluded by the specific provisions of rule 130 of the Rules of Practice in the Patent Office from reinvestigating the right of Sonnenfeld to make count 1, decided the case upon the question of priority, saying,

"It is deemed more desirable to dispose of the issue presented on this ground rather than resort to the somewhat doubtful and technical issues of patentability and right to make herein raised."

Both parties took testimony and the Examiner of Interferences held that Bennett had not proved conception prior to the record date, December 10, 1930, of Sonnenfeld, and that even should Bennett be held to have established prior conception, his activities during the critical period did not constitute reasonable diligence. Accordingly, the Examiner of Interferences awarded priority of invention of the subject matter of both counts to Sonnenfeld.

Upon appeal, the Board of Appeals held that Bennett was not estopped from raising the question of Sonnenfeld's right to make count 1, and that Sonnenfeld's application did not read upon that count. The Board, therefore, awarded priority of invention as to count 1 to Bennett. The decision of the Examiner of Interferences awarding to Sonnenfeld priority of invention of the subject matter of count 2 was affirmed by the Board.

The issues here are:

1. Is Bennett estopped to question Sonnenfeld's right to make count 1?

2. If Bennett is not estopped, does the Sonnenfeld application read upon count 1?

3. If Sonnenfeld's application does read upon count 1, does the record disclose that Bennett proved conception of the invention prior to Sonnenfeld's filing date and reasonable diligence on Bennett's part during the critical period?

We will first consider the question of estoppel. The Board, in discussing count 1, pointed out that the count contains, among others, limitations specifying that the conductors are free for relative lateral movement and that the oil is under a pressure of not substantially less than five atmospheres. The Board then stated:

On the question of estoppel, the two limitations which we have above discussed are not to be found in the claim which is under consideration in the earlier brief. We cannot agree with the Primary Examiner, therefore, that present count 1 and that claim [quoted above] are precisely the same as to subject matter and so nearly identical in scope that it would be impossible to hold that Sonnenfeld could make one of them but not the other.

[1] We are of opinion that the limitations mentioned by the Board are express limitations and cannot be disregarded. They are not found in the above quoted claim. Therefore, in our opinion the conclusion of the Board of Appeals that Bennett is not estopped from questioning the disclosure of the Sonnenfeld application as to count 1 was proper.

Since Bennett is not estopped, we must next determine whether Sonnenfeld is entitled to make count 1. Sonnenfeld's right to make count 2 is not questioned. Count one differs from count 2 in that count 1 covers:

(1) a "multiconductor" system including a "plurality" of conductors,
(2) of the "solid stranded type," which are
(3) "free for relative lateral movement" or so arranged as to permit "free movement relative to each other," and
(4) oil under a pressure "not substantially less than five atmospheres."

It is obvious that Sonnenfeld discloses a multi-conductor system including a plurality of conductors, inasmuch as he states in his application "The present invention consists in insulated conductors * * *," and further that "* * * the invention can rather be extended very successfully for multi-conductor cables."

There is no question but that the conductors disclosed in the Sonnenfeld application are of the solid stranded type.

As to the conductors being free for relative lateral movement or so arranged as to permit free movement relative to each other, Bennett contends that Sonnenfeld's statement that

"it will be valuable to strand the insulated conductors and to apply the said protective spiral around the strand"

precludes freedom for lateral movement relative to each other. The portion of Sonnenfeld's specification in which the said statement appears reads as follows:

In Figs. 1 and 2 as an example single conductor cables are shown but without confining the invention to them; the invention can rather be extended very successfully for multi-conductor cables. In such cases it will be valuable to strand the insulated conductors and to apply the said protective spiral around the strand.

This statement does not negative the drawing into the pipe of several cables without stranding. Rather, it suggests, as optional, a means for protecting the conductors from being damaged by scraping against the end of the pipe. That it is merely suggested as a protective measure is indicated by the following, which also appears in the Sonnenfeld application:

To prevent damage of the insulated core * * * when pulling it into the pipe system it is to be recommended to protect the cable either with a ribbon wrapped on in close or open lay, or with wire * * * so that it will not be chafed when pulled into the pipe * * *.

Furthermore, where, as in count 2, a pipe of wide diameter is shown in which the single conductor is permitted free transverse movement, and there is, as here, a statement without limitation in the application that the invention can extend to the use of multi-conductor cables, the disclosure is sufficient to indicate to those skilled in the art that when several conductors are drawn into a pipe of sufficiently large diameter they must necessarily be free for lateral movement, or free for movement relatively to each other. Therefore, we cannot agree with Bennett's contention.

As to the pressure limitation, Bennett contends that Sonnenfeld's application does not disclose the use of a pressure "not substantially less than five atmospheres." However, we believe that a reading of Sonnenfeld's disclosure, keeping in mind what was known in the art at that time, as it appears to be shown by the testimony of Bennett, indicates that Sonnenfeld contemplated at least 75 pounds pressure, or five atmospheres. Sonnenfeld's application reads, in part:

By using pipe systems which are able to bear very high mechanical pressures, for example Mannesmann steel pipes, pressure can be applied which is considerably higher than pressures used hitherto in connection with oil filled lead sheathed cables.

According to Bennett's own testimony, he knew, when he first began studying the problem, that the maximum pressure which could be applied in the then known oil filled lead sheath cable systems was in the neighborhood of 75 pounds (five atmospheres). He testified that the lead sheath would withstand no more than that, and, accordingly, he substituted in his mind the idea of using steel pipe. In view of this testimony, it is clear to us that when Sonnenfeld stated that with the use of steel pipe "pressure can be applied which is considerably higher than pressures used hitherto" he must have contemplated the use of at least five atmospheres pressure. Sonnenfeld also stated that this application of a higher pressure than theretofore possible would make negligible "the differences in pressure arising in consequence of inequalities of topographical elevation," but this does not affect the disclosure of at least 75 pounds pressure.

For the reasons stated herein we are convinced that the Board of Appeals erred in holding that the Sonnenfeld application failed to disclose the said limitations in count 1.

With respect to the third issue, it is to be noted that Bennett does not claim an actual reduction to practice of the invention prior to his filing date of July 29, 1931. Therefore, in order to prevail it was incumbent upon him to prove conception of the involved invention prior to the filing date of Sonnenfeld—December 10, 1930—and reasonable diligence in reducing said invention to practice from a date immediately prior to Sonnenfeld's filing date to the date of filing the Bennett application.

The record on behalf of Bennett is quite voluminous, consisting of the testimony of Bennett himself and that of ten witnesses, all of whom, with the exception of three, were employees of the Okonite-Callendar Cable Company, Incorporated. The testimony on behalf of Sonnenfeld was given by one witness, an experienced electrical engineer in the employ of the General Cable Corporation, which testimony was for the purpose of contradicting some of the testimony offered on behalf of Bennett with respect to Bennett's tests.

The Examiner of Interferences analyzed the testimony at great length, but in view of our conclusion we do not deem it necessary to dwell in detail upon any part of the record. The record shows that Bennett, an experienced electrical engineer and, at the time of taking of the testimony, manager of the Oilostatic Division of the Okonite-Callendar Company, began his employment with the said company about the middle of October, 1930. Shortly thereafter, while working on his first assignment which concerned oil pressure with relation to sheathed high tension electrical cables, he conceived the theory of a different kind of pressure system in connection with such cables. The record shows that he discussed his ideas with several fellow employees and also with friends of his who were generally familiar with the art. Owing to alleged opposition from his superiors, the testimony shows, he built an apparatus for the purpose of convincing those who opposed him of the soundness of his theory. The vital portion of this apparatus consisted of a glass tube through which ran a nichrome wire connected at sealed ends of the tube with a source of electric current. The tube was filled with oil. When the electric current was applied the wire became heated, in turn heating the oil so that bubbles formed therein. Thereafter, upon the application of pressure to the oil the bubbles disappeared. This apparatus was tested over quite an extended period of time, but it will be noted that there is nothing in this apparatus which remotely resembles the cable systems defined in the counts. The test of the apparatus is not claimed by Bennett to be a reduction to practice or an attempt to reduce to practice. According to the record, this was merely the means by which he sought to convert to his way of thinking the other experts of the Okonite-Callendar Company, and it is stated that in this he was successful.

Sometime subsequent thereto, after considerable delay, due, unquestionably, to the rather slow methods that apparently existed in the corporation with respect to proceeding with new matters, Bennett was authorized to build an experimental cable which was to embody his alleged invention. Accordingly, a cable was built which consisted of a solid stranded conductor surrounded by an insulation of oil impregnated paper, all of which was sheathed in a closely fitting lead envelope or pipe which was apparently extruded upon the insulation. The said lead sheath was fluted longitudinally on the inside and the flutings were filled with oil kept at a high pressure. The lead sheathing was reinforced with steel tape. When tested this cable proved to be a failure. Copper tape was then substituted for the steel tape, and the cable apparently worked. The successful experiment with the fluted lead sheath cable, however, was subsequent to the filing date of Bennett's application.

It is contended by Bennett that the work which he did on the fluted lead sheath cable constituted reasonable diligence in adapting and perfecting the invention defined by the counts. The Examiner of Interferences held that

"work on the fluted lead sheath cable not only did not result in a reduction to practice before Bennett filed, but on the other hand constituted activity, as is clear from the testimony as to the nature of the 'fluted lead sheath cable device,' on a distinct species of the invention."

He further stated that

"Under these circumstances the authorities seem to be uniform in holding that this type of activity does not amount to diligence with respect to the species forming the subject matter in issue,"

and cited *Taylor* v. *Gilman*, 158 O. G. 883, 1910 C. D. 167; *Clement* v. *Richards* v. *Meissner*, 113 O. G. 1143, 1905 C. D. 492; and *Campbell* v. *Jackson*, 328 O. G. 781, 1924 C. D. 101.

[2] The Board of Appeals agreed with the Examiner of Interferences on this question of diligence, and we are in accord with the lower tribunals in this respect. See *Riemenschneider* v. *Matthaei*, 26 C. C. P. A. (Patents) 1213, 103 F.(2d) 366, 507 O. G. 501. It is not necessary, therefore, for us to discuss the vigorously contested matter of the sufficiency of the evidence to establish conception of the invention.

The party Bennett insists, however, that every element of the counts is contained in the fluted lead sheathed system, except the one as to the size of the pipe, and that the vital element of the invention was the effect of external oil pressure on the insulation and the increase in the dielectric strength thereof. Generally speaking the latter statement may be true, but we fail to see how it can be successfully contended that his work on the fluted lead sheath system can constitute diligence in adapting and perfecting the invention as defined by the counts. The counts contain definite limitations to the effect that the diameter of the pipe be large enough to permit the conductor or conductors to be drawn into the pipe line so as to permit the free lateral or transverse movement of the conductor or conductors within the pipe, and that the space in the pipe line unoccupied by the conductor or conductors be filled with oil. It cannot be said from an examination of the exhibit before us representing the fluted lead sheath system that the conductor may be drawn into the pipe line, and certainly there is nothing in the exhibit which could possibly permit free movement of the conductor transversely within the pipe. Moreover, much of the space inside the fluted lead sheath cannot be occupied by oil for the reason that the protuberances between the flutings appear to fit closely upon the insulation.

Bennett was no novice in the patent field. The record shows that he had taken out approximately twenty-five patents, some of which had been involved in interferences in the Patent Office. It is to be presumed, therefore, that he must have known the importance of protecting patentable conceptions by promptly filing applications therefor, and his contention that he was new with the Okonite-Callendar Company and had met with opposition which precluded him from working more rapidly on his invention cannot be considered as persuasive. It would have been a simple matter for him to have filed his application for patent for the invention in issue prior to the time that Sonnenfeld entered the field, or to have been diligently engaged in the preparation of such application before such date. See *Schweyer* v. *Thomas*, 21 C. C. P. A. (Patents) 859, 68 F.(2d) 953, 443 O. G. 298.

[3] Since we are convinced, as were the tribunals below, that Bennett failed in proving diligence from just prior to December 10, 1930, to his filing date, July 29, 1931, priority of invention of the subject matter of both counts should have been awarded to the party Sonnenfeld.

The decision of the Board of Appeals is affirmed as to appeal No. 4376 and reversed as to appeal No. 4377.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,493,007, W. W. Stryker, Adjustable hose clamp, filed June 12, 1941, D. C., E. D. N. Y., Doc. 2098, *Screw Machine Products Co., Inc.*, v. *Ideal Clamp Mfg. Co., Inc.*

1,408,269, J. J. Harris, Adhesive material, filed June 12, 1941, D. C., W. D. Mich. (Grand Rapids), Doc. 172, *J. J. Harris* v. *The Therminsul Corp.*

1,779,792, P. F. Yungling, Guide for fishes, filed June 16, 1941, D. C., W. D. Okla. (Oklahoma City), Doc. 791, *Baker Oil Tools, Inc.*, v. *Brauer Machine & Supply Co.*

1,793,673, E. V. Camp, Resilient truffle guard, C. C. A., 8th Cir., Doc. 11813, *Laclede Steel Co.* v. *E. V. Camp.* Decree affirmed June 12, 1941.

1,909,616, W. A. Hecking, Pen, pen-point and process of making same, D. C., S. D. N. Y., Doc. E 87/22, *W. A. Hecking et al.* v. *Eagle Pencil Co., Inc.* Consent judgment dismissing complaint June 13, 1941.

1,913,604, W. A. MacDonald, Wave signaling system, D. C., S. D. N. Y., Doc. E 80/194, *Hazeltine Corp.* v. *Sears, Roebuck & Co., Inc., et al.* Dismissed for lack of prosecution (notice June 13, 1941).

1,917,261, P. E. Hawkinson, Method of retreading tire casings; 1,917,262, same, Apparatus for retreading tire casings, filed June 6, 1941, D. C., E. D. Ky. (Lexington), Doc. 204, *P. E. Hawkinson Co.* v. *Safety Retreading & Vulcanizing Co.*

1,917,262. (See 1,917,261.)

1,924,315, Hemphill & Hemphill, Sleep eye shade, D. C., S. D. Calif. (Los Angeles), Doc. 1309-Y, *Sleep Shade Corp. et al.* v. *Sontag Drug Stores.* Consent decree finding infringement.; injunction June 14, 1941.

1,955,015, J. Price, Heat exchanger, C. C. A., 3d Cir., Doc. 7501, *Griscom-Russell Co.* v. *Westinghouse Electric & Mfg. Co.* Decree affirmed June 19, 1941.

1,962,104. (See Re. 19,765.)

1,963,309, R. Muller, Belt, D. C., S. D. N. Y., Doc. 14/97, *Schaffer Belts, Inc.*, v. *S. & G. Leather Goods Corp.* Consent judgment (notice June 16, 1941).

2,025,304, V. Paolucci, Undergarment, C. C. A., 6th Cir., Doc. 8425, *The May Dept. Stores Co.* v. *V. Paolucci.* Patent held not infringed June 5, 1941.

2,025,973, E. S. Cornell, Jr., Hollow wrought metal bodies and method of making same, filed June 12, 1941, D. C., S. D. N. Y., Doc. 14/390, *E. S. Cornell, Jr., v. Chase Brass & Copper Co., Inc.*

2,030,865, W. T. Gollwitzer, Address plate, appeal filed June 14, 1941, C. C. A., 2d Cir., Doc. —, *Addressograph-Multigraph Corp.* v. *Christian Staudt et al.*

2,050,554, G. E. Barnhart, Golf club shaft, filed June 17, 1941, D. C., N. D. Ohio, E. Div., Doc. 20846, *James Heddon's Sons et al.* v. *The American Fork & Hoe Co.*

2,092,659, A. C. Stone, Termite shield, D. C., D. Tex. (Fort Worth), Doc. 292, *A. C. Stone* v. *A. F. Beadle et al.* Consent decree for plaintiff, injunction June 9, 1941.

2,101,043, G. H. Blettner, Apparatus for making pistons, filed June 10, 1941, D. C., E. D. Mich., S. Div., Doc. 2700, *G. H. Blettner* v. *Ford Motor Co.*

2,101,681, L. J. Josephs, Attaching tips for suspender cords, D. C., S. D. N. Y., Doc. E 86/379, *Han-Dee Mfg. Co., Inc.*, v. *S. Froehlich Co., Inc., et al.* Dismissed for lack of prosecution (notice June 13, 1941).

2,238,451, F. Roth, Phonograph disk record holder, filed May 7, 1941, D. C., S. D. N. Y., Doc. 14/136, *F. Roth et al.* v. *Musicraft Records, Inc.*

Re. 18,841, J. Mayer, Hair waving method, D. C., N. D. Calif (San Francisco), Doc. 21586-L, *The Philad Co.* v. *H. S. Patton.* Dismissed without prejudice Apr. 28, 1941. Doc. 21573, *The Philad Co.* v. *J. C. Penny Co.* Decree as above.

Re. 19,141, L. Larsen, Spring base furniture, D. C., S. D. N. Y., Doc. E 86/158, *Heywood-Wakefield Co.* v. *The Gilkinson Mfg. Co. et al.* Order Apr. 30, 1941.

Re. 20,827, L. J. Leishman, Means and method for turning rotatable objects to predetermined positions, D. C., S. D. Calif. (Los Angeles), Doc. E 1463-BH, *L. J. Leishman* v. *Associated Wholesale Electric Co.* Claims 7, 8, 9, 10, and 11 held invalid for want of invention May 1, 1941.

Des. 107,343, V. Nemeroff, Lamp, filed Apr. 10, 1941, D. C., N. D. Ill., E. Div., Doc. 2838, *Electro Mfg. Co.* v. *Mitchell Mfg. Co. et al.*

Des. 114,395, L. W. Goodkind, Lady's suit, filed Apr. 30, 1941, D. C., S. D. N. Y., Doc. 14/95, *Londonderry, Inc.*, v. *A. Davis & Sons, Inc.* Doc. 14/118, *Londonderry, Inc.*, v. *Gaynes, Inc.*

Des. 117,431, H. D. Kaufmann, Textile fabric, D. C., S. D. N. Y., Doc. 6/386, *J. B. Hoffman* v. *Joroco Silk Corp.* Consent order of discontinuance (notice May 6, 1941).

Des. 120,179, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 8/388, *Flora Dress Co.* v. *Josette Frocks, Inc.* Judgment (notice May 6, 1941).

Des. 124,042, G. Rebechini, Wall bracket, filed Apr. 19, 1941, D. C., N. D. Ill., E. Div., Doc. 2872, *Hindu Incense Mfg. Co.* v. *Art-Ton Products Co.*

Des. 125,565, J. Galter, Bed lamp, filed Apr. 16, 1941, D. C., N. D. Ill., E. Div., Doc. 2863, *Electro Mfg. Co.* v. *Royal Premium Products Co. et al.*

Des. 126,278, C. Charles, Dress, D. C., S. D. N. Y., Doc. 13/454, *Sandler & Lane, Inc.*, v. *Security Dress Co., Inc.* Consent judgment (notice Apr. 30, 1941).

Des. 126,350, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 13/433, *Apex Dress Co., Inc.*, v. *Miss Norma, Inc.* Consent judgment (notice May 3, 1941).

Des. 126,772, G. Andree, Dress ensemble, filed Apr. 29, 1941, D. C., S. D. N. Y., Doc. 14/94, *Martini Frocks, Inc.*, v. *Beth-Paige Frocks, Inc.*

Des. 126,894, A. Verdi, Dress, filed May 6, 1941, D. C., S. D. N. Y., Doc. 14/125, *Reich-Goldfarb & Co., Inc.*, v. *Prom Dance Frocks, Inc.*

Des. 126,933, S. Franklin, Dress, filed may 6, 1941, D. C., S. D. N. Y., Doc. 14/126, *Junior League Frocks, Inc.*, v. *Skytop Frocks, Inc.*

T. M. 176,594, Compania De Jarcia De Mantanzas, S. A., Rope and twine, filed Apr. 28, 1941, D. C., S. D. Tex. (Houston), Doc. 508, *Compania De Jarcia De Mantanzas, S. A.* v. *Cordeleria De San Juan, S. A., et al.*

T. M. 335,853, Vadsco Sales Corp., Toothpaste, tooth powder, etc., filed Apr. 18, 1941, D. C., N. D. Ill., E. Div., Doc. 2868, *Vadsco Sales Corp. et al.* v. *Jewel Tea Co.*

Trade-Mark Registrations Canceled

32,585. Mattresses, pillows, and feathers. The Randall Mattress Company, Cleveland, Ohio. Registered March 14, 1899. Canceled June 27, 1941.

185,093. Wrapping paper. The Anchor Paper Company, Cincinnati, Ohio. Registered June 10, 1924. Canceled July 14, 1941.

349,805. Certain named measuring and scientific appliances. Askania Regulator Company, Chicago, Ill. Registered September 7, 1937. Canceled July 14, 1941.

354,855. Liquid tooth and mouth cleanser. Diefenbach Laboratories Inc., Rochester, N. Y. Registered February 22, 1938. Canceled July 14, 1941.

373,741. Metals and metal castings and forgings. The American Brake Shoe and Foundry Company, New York, N. Y. Registered December 19, 1939. Canceled July 14, 1941.

376,448. Fresh cantaloupes. Tri-State Produce Co., Inc., Anthony, N. Mex. Registered March 26, 1940. Canceled July 14, 1941.

379,058. Hats and caps. Pittsburgh Hat and Cap Company, Pittsburgh, Pa. Registered June 25, 1940. Canceled June 27, 1941.

379,139. Hosiery. Pilot Full Fashion Mills, Inc., Valdese, N. C. Registered July 2, 1940. Canceled June 27, 1941.

386,914. Whiskey. Kraus Bros. & Co. Inc., New York, N. Y. Registered April 29, 1941. Canceled July 15, 1941.

Adjudicated Patents

(D. C. Wis.) Kromer patent, No. 1,540,405, for cap, *Held* invalid. *Kromer Cap Co.* v. *J. C. Penney Co.*, 38 F. Supp. 789.

(C. C. A. Wash.) Forsell patent, No. 1,618,702, for insecticide, claim 1 *Held* not infringed. *Chas. H. Lilly Co.* v. *Louko*, 119 F.(2d) 882.

(D. C. Ill.) Ronning and Ronning patent, No. 1,658,353, for combination traction implement, claims 12 to 16, 22 to 26, and 32 *Held* invalid, and not infringed. *Ronning Mach. Co.* v. *Caterpillar Tractor Co.*, 38 F. Supp. 783.

(D. C. Ill.) Ronning and Ronning patent, No. 1,660,050, for road grader, claims 4 and 11 *Held* not infringed. *Id.*

(D. C. Pa.) Dobrick patent, No. 1,724,697, for flaring tool, claims 1, 2, 5, 9, and 10 *Held* valid and infringed. *Imperial Brass Mfg. Co.* v. *Bonney Forge & Tool Works*, 38 F. Supp. 829.

(D. C. Ill.) Ronning and Ronning patent, No. 1,883,403, for road machine, claims 2 to 4, 8 to 10, and 15 to 19 *Held* anticipated and not infringed. *Ronning Mach. Co.* v. *Caterpillar Tractor Co.*, 38 F. Supp. 783.

(C. C. A. Ill.) Nordell patent, No. 1,948,125, for screen, claims 2 and 4 *Held* invalid and claim 3 *Held* not infringed. *Nordell* v. *International Filter Co.*, 119 F.(2d) 948.

(C. C. A. Ill.) Durdin patent, No. 1,960,303, for screen, claims 5 and 6 *Held* not infringed. *Id.*

(D. C. Ill.) Winsor patent, No. 2,020,271, for road working machine, claims 2 to 11, 13 to 16, 19 to 24, and 26 to 31 *Held* not infringed. *Ronning Mach. Co.* v. *Caterpillar Tractor Co.*, 38 F. Supp. 783.

(D. C. Del.) Trube patent, No. 2,111,483, for electric coupling system, *Held* invalid, and claims 28 to 33 and 35 to 38 *Held* not infringed. *Hazeltine Corporation* v. *General Motors Corporation*, 38 F. Supp. 880.

(D. C. Ill.) Arndt patent, No. 2,147,631, for road grader, claims 1 to 3, 6, 17, 18, 36, 38, 39, and 42 *Held* invalid and not infringed. *Ronning Mach. Co.* v. *Caterpillar Tractor Co.*, 38 F. Supp. 783.

(D. C. Fla.) Livesay patent, No. 2,166,870, for concrete window trim and method of making, *Held* valid and claims 1 to 4 *Held* infringed. *Livesay* v. *Drolet*, 38 F. Supp. 885.

(D. C. Wis.) Beazley reissue patent, No. 18,944, for power operated lawn mower, claims 2 and 4 *Held* valid but not infringed. *Beazley Power Mower Co.* v. *Pearce*, 38 F. Supp. 756.

(D. C. Ill.) Ronning and Ronning reissue patent, No. 19,846, claims 1 to 6 *Held* not infringed. *Ronning Mach. Co.* v. *Caterpillar Tractor Co.*, 38 F. Supp. 783.

(D. C. N. Y.) Freidman design patent, No. 125,540, for design for handbag, *Held* invalid. *Gold Seal Importers* v. *Morris White Fashions*, 38 F. Supp. 890.

Adverse Decisions in Interference

In Interference involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,156,649, H. Bendel and S. Schmid, Amplifying detector, decided July 7, 1941, claim 1.

Pat. 2,170,531, Julian Kahn, Apparatus for mixing a liquid with a gas, decided May 17, 1941, claims 1, 2, 3, and 4.

Pat. 2,177,819, J. M. Booe and C. M. Blackburn, Dry electrolytic condenser, decided July 10, 1941, claims 9, 14, 15, and 16.

Pat. 2,220,350, E. S. Purington, Sound reproducing system for musical instruments, decided July 9, 1941, claims 1, 2, and 3.

Disclaimers

1,737,294.—*Philip C. P. Booty*, Chicago, Illinois. RECEPTACLE FOR FACE POWDERS. Patent dated November 26, 1929. Disclaimer filed July 18, 1941, by the assignee, *Michael T. Daley.*

Hereby enters this disclaimer to claims 27 and 28.

2,244,481.—*Earl H. Barder* and *Clarence E. Snyder*, Akron, Ohio. INNER TUBE. Patent Dated June 3, 1941. Disclaimer filed July 10, 1941, by the assignee, *The B. F. Goodrich Company.*

Hereby disclaims from the scope of claim 6 of said Letters Patent all wheel balancers except those in which the pad for the purpose specified is incorporated with the inner tube prior to vulcanization of the inner tube.

Changes in Classification

Order No. 3,558, June 26, 1941, directs:

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), abolish the following subclass with its definition:

113 **Treatment of textiles and fibers with chemicals and fluids,**

and also abolish the unnumbered subclass *Chemical modification*, immediately following subclass 113, with its definition.

The patents formerly contained in subclass 113 have been placed in class 8, subclasses 115.5 and 132.5, established in this order.

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), change the titles of subclasses 114 and 115 to read:

114 **Ornamental effects**
115 With local treatment,

cancel the existing definition of subclass 114 and substitute the following:

114. Processes for treating, textiles with chemicals or fluids, to produce ornamental effects, such as, for example, patterns, designs or contrasting areas.
(1) Note.—For ornamentation in general, see class 41, ORNAMENTATION.
(2) Note.—The particular effective agent is cross referenced to an appropriate subclass below.
(3) Note.—See class 26, TEXTILES, CLOTH FINISHING, subclasses 16, 30, and 69, for the production of ornamental effects on cloth by mechanical operations.

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), establish the following subclasses and definitions:

Ornamental effects
114.5 Differential creping.
114.6 With fiber destruction or removal.
115.5 **Chemical modification of textiles and fibers**
115.6 With coating, sizing or lubricating.

114.5 Processes for fluid or chemical treatment of yarns and fabrics having yarns or areas of different physical or chemical characteristics, to produce crepe effects thereon.
(1) Note.—This subclass includes the treatment of fabrics or yarns composed of mixed natural and/or artificial fibers or which have been differentially treated with chemical agents or resists, whereby the textile material is selectively affected by the shrinking or treating agent.
(2) Note.—See this class, subclass 117, for the production of wool-like or crinkle effects on unmixed vegetable fibers.

114.6 Processes under subclass 114 which include the destruction or removal of a portion of the textile.
(1) Note.—For processes of embroidering combined with chemical destruction of a portion of the embroidered fabric, see class 2, APPAREL, subclass 278; for combinations of other significant textile operations with such chemical treatment, see class 28, TEXTILES.
(2) Note.—See this class, subclass 140, for processes of removing impurities from textiles by destruction thereof.
(3) Note.—Compare class 41, ORNAMENTATION, subclass 41.

115.5 Processes for treating textiles and fibers to effect a chemical modification thereof.

(1) Note.—This subclass and the indented subclasses include processes for modifying the chemical or physio-chemical properties of textile fibers or fabrics, or cellulosic fibers for the manufacture of paper, i. e., the fibers are acted on by the chemical or other agent as distinguished from precipitation of a compound within the fibers by reacting agents in their presence. Also include chemical effect on a component part of fibers, such as, for example, sericin of silk, by chemical or other agents effecting a chemical change in the material.

(2) Note.—For processes including chemical modification of the textile material which result in ornamental effects, see this class, subclass 114 and indented subclasses.

(3) Note.—See class 260, CHEMISTRY, CARBON COMPOUNDS, for the preparation of carbon compounds employing fibers as a reactant, whether or not the constitution is known, in which the fiber has no recited definite physical structure.

115.6 Processes under subclass 115.5 which in addition to the chemical modification of the textile material include a coating, sizing or lubricating step or treatment.

Note.—See class 91, COATING, for coating processes of general application.

The patents contained in these subclasses have been taken from this class (8) and from classes 2, Apparel, 28, Textiles, 41, Ornamentation, and 91, Coating.

In class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers (Division 43), change the titles of subclasses 116, 128 and 129, with their indented subclasses, to read under subclass 115.5.

In class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers (Division 43), establish the following subclass and definition (subclasses 133–159 to be indented thereunder):

132.5 **Treatment of textiles and fibers with chemicals and fluids.**

132.5. In this subclass and indented subclasses, from subclass 133 to subclass 146, are collected patents on the processes for treatment of textile fibers or fabrics with chemicals and fluids. Where chemical change in the fiber is effected, the patents are placed in one of the subclasses from 114–132, otherwise in this subclass or the indented subclasses. Particular effects or functions are provided for in indented subclasses 133–143, and patents classified in subclass 115.5 and indented subclasses, or elsewhere in the class, disclosing or claiming the effects or functions provided for therein, should be cross-referenced thereto.

(1) Note.—Because of the similarity of treatment to textile fibers and fabrics, methods for washing and cleaning of furs, skins and leather are included under subclass 137 and indented subclasses, and in subclass 147 and indented subclasses, as cross-references from above or from other classes. For fluid treatment of these materials generally, however, see class 149, HIDES, SKINS AND LEATHER.

Beginning with subclass 144, and subclasses thereafter, the miscellaneous manipulative processes for treating textile fibers and fabrics with fluids are provided for, gas or vapor being specifically taken out under subclasses 144, 145 and 146. Patents are placed in this group of subclasses when a manipulative process of fluid treatment of general applicability is involved, even though limited by claim terminology to dyeing, bleaching or the like. Patents which because of limited applicability are classified above, for instance, under subclasses 1 and 101 and indented subclasses, or in subclass 114 and indented subclasses, or in subclass 155.5 and indented subclasses, or in subclass 132.5 and indented subclasses, are cross-referenced to subclass 147 and indented subclasses, for manipulative processes disclosed or claimed.

(2) Note.—For apparatus generally for carrying out the processes provided for in these subclasses, see class 68, TEXTILES, FLUID TREATING APPARATUS, and the particular notes under each of the indented subclasses of this class.

(3) Note.—For processes for fluid treatment of artificial silk filaments combined with other steps relating to the manufacture of the filaments, see class 18, PLASTICS.

(4) Note.—For treatment of fibers and fabrics for the purpose of mothproofing, mildew-proofing, fireproofing, or otherwise broadly preserving, disinfecting, or sterilizing the same, see class 21, PRESERVING, DISINFECTING AND STERILIZING, particularly subclasses 4 to 6.5, and class 167, MEDICINES, POISONS AND COSMETICS, subclass 38.5 and indented subclasses, and class 252, COMPOSITIONS, subclass 8.1, for compositions therefor.

(5) Note.—The textile treating and manufacturing classes also contain some machines and processes involving fluid treatment. The wet finishing of textile yarns and fabrics is provided for, respectively, in classes 26, TEXTILES, CLOTH FINISHING, and 28, TEXTILES. Fulling is provided for in class 26, subclass 19 and indented subclasses; however, processes wherein the novelty includes the use of a particular fulling composition are placed in this class, subclass 132.5. For the liberation of fibers and working the same with fluid treatment, see class 19, TEXTILES, FIBER PREPARATION, and its definitions, particularly subclass 66.

(6) Note.—For coating or impregnating textiles for the purpose of waterproofing or gas proofing, see class 91, COATING. The lines between class 91 and this class (8) are as follows:

Class 8 takes dyeing or bleaching in general and combined processes of dyeing or bleaching a base and coating it in any sequence. The application of a colored solidifiable coating to a surface, e. g., colored lacquers, or of a coloring agent to a previously applied coating on a base, wherein only the film forming material is colored, is classified in class 91.

Class 8 also takes reactive fluid treatments of textile materials where there is a chemical modification of the textile base even though combined with a coating operation, which per se is classifiable in class 91.

Class 8 also takes all non-reactive fluid treatments of textiles which do not result in the production of a solid adherent tenacious film on the textile and includes those treatments in which the essential film forming material is an oil, fatty material, wax, non-resin organic acid, ketone, or amine, or simple derivatives thereof, even though a solid film may be formed, as such materials are generally employed as softening, swelling, lubricating, or conditioning agents for textiles. By "simple derivatives" is intended to exclude such complex reaction products as higher fatty acid amide-aldehyde resins, fatty oil modified-alkyd resins, and compounds formed with carbohydrates, resins or proteins.

Class 91 takes all other fluid treatments of textiles which result in the production of solid, adherent films on the textile base even though the coating may act to soften or lubricate the textile or may be only a temporary coating, including non-reactive fluid treatments combined therewith.

(7) Note.—For digestion of pulp and treatment of paper for finishing, see class 92, PAPER MAKING AND FIBER LIBERATION.

(8) Note.—For fluid treatment of photographic films, see class 95, PHOTOGRAPHY.

(9) Note.—For fluid treatment applied to formed garments, compare class 223, APPAREL APPARATUS, with its definitions and notes.

(10) Note.—For coating or impregnating compositions, in general, see class 106, COMPOSITIONS, COATING OR PLASTIC, and for textile conditioning compositions, e. g., lubricating and softening see class 252, COMPOSITIONS, subclass 8.6 and indented subclasses.

The patents contained in this subclass have been taken from class 8, subclass 113, abolished in this order, and from classes 19, Textiles, Fiber Preparation, subclass 66, and 28, Texiles, subclass 58.

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), establish the following subclass and definition:

Treatment of textiles and fibers with chemicals and fluids

142.5 Lubricating, softening or handle improving.

142.5. Processes for treatment of textile fibers or fabrics with chemicals and fluids for the general purpose of improving their properties, such as, for example, oiling or lubricating, softening, increasing the scroop, reducing the tendency to become electrified, and the products of such processes, when not elsewhere provided for.

(1) Note.—Patents claiming processes of textile conditioning combined with spinning, twisting or twining are classified in class 57, TEXTILES, SPINNING, TWISTING AND TWINING, appropriate subclasses, particularly subclasses 157, 162, 164 and 165. Patents claiming textile conditioning processes combined with a broadly defined textile operation, other than spinning, twisting or twining, are classified herein. Patents claiming a textile conditioning process combined with a significantly claimed textile operation are classified in the appropriate textile class.

(2) Note.—Patents claiming only synthetic textile fibers or filaments in which the product as claimed could be made either by applying a conditioning agent to a formed filament or by forming the fiber from a composition containing the conditioning agent, both methods being disclosed, are classified in the appropriate composition class. Patents containing product claims of such character and process claims falling within this subclass, no other specific process being claimed, are classified herein.

(3) Note.—The processes of this subclass when applied to cellulose esters or ethers may result in some softening or solution of the fibers. For such processes including significant plasticizing or swelling, see this class, subclasses 131 and 132.

(4) Note.—See class 252, COMPOSITIONS, subclass 8.6 and indented subclasses, and the notes thereto, for textile conditioning compositions.

The patents contained in this subclass have been taken from class 8, subclass 113, abolished in this order, and from class 28, Textiles, subclass 1.

In *class 21, Preserving, Disinfecting and Sterilizing* (Division 63), establish the following subclasses and definitions:

Methods

2.5 Metal (including anti-tarnish fabrics),

60.5 With protective layers.

2.5 Processes of preserving metals or metallic surfaces against tarnishing or corrosion.

(1) Note.—This subclass also includes anti-tarnish fabrics or containers distinguished solely by being impregnated with chemicals which prevent the action of tarnish forming materials on the metal.

(2) Note.—Processes for preventing corrosion of metal containers by compounds or compositions by admixing an anti-corrosion agent therewith are classified with the appropriate compound or composition; see note II to the main class definition of this class.

(3) Note.—For preservation by coating and coated containers, see notes V, IX and X to the main class definition of this class.

(4) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 14, for corrosion inhibiting compositions which are non-reactive with the metal base.

(5) Note.—See class 148, METAL TREATMENT, subclass 6 and indented subclasses, for reactive treatments of metals to render them passive or corrosion-resisting and for coating compositions which react with the metal to form therewith a coating.

(6) Note.—See class 204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclasses 147, 148, 196 and 197, for corrosion prevention utilizing electrical current or potential.

(7) Note.—See class 206, SPECIAL RECEPTACLES AND PACKAGES, subclass 75, for anti-tarnish silver trays having structural characteristics in addition to the preserving chemical.

(8) Note.—See class 252, COMPOSITIONS, subclass 189 and indented subclasses, for agents intended for use in binding acids, acid anhydrides or sulfur, and subclass 387 and indented subclasses, for anti-corrosion agents.

(9) Note.—See class 312, SUPPORTS, CABINET STRUCTURES, subclass 31 and indented subclasses, and the notes thereto, for containers combined with means to treat contained material with a gas or vapor where the means may be a slow diffuser or absorber.

60.5. Processes under subclass 2 wherein a protective layer or blanket of material is applied to a surface of the substance to be preserved.

(1) Note.—See class 91, COATING, for preservation by coating with adherent, solidifiable material.

(2) Note.—See class 226, FILLING AND CLOSING PORTABLE RECEPTACLES, appropriate subclasses, for processes of packaging materials which include the use of a preserving atmosphere or layer.

The patents contained in subclass 2.5 have been taken for the most part from class 23, Chemistry, subclasses 240 and 241, abolished in this order, and class 91, subclass 68, and those in subclass 60.5 have been taken for the most part from class 23, subclass 244, abolished in this order.

In *class 23, Chemistry* (Division 59), abolish the following subclasses with their definitions:

239 **Packing and preserving chemicals**
240 Special receptacle
241 Impregnated fabric,
242 Coating
243 Internal,
244 Fluid overlaid,
245 Compression,

Packing and preserving chemicals—Continued
246 Absorbing
247 In fluid,
248 Potentially active compositions
249 Neutralizing agent,
250 Preserving
251 Hydrogen peroxide.

The patents formerly contained in these subclasses have been placed in accordance with the amended definition and notes to class 21, Preserving, Disinfecting and Sterilizing. In general, chemical compounds and compositions admixed with a preservative and processes of making the same were classified with the compound or composition preserved, primarily in classes 23, Chemistry, 252, Compositions, and 260, Chemistry, Carbon Compounds, and other compound and composition classes set forth in the notes to such classes.

Special receptacles and packages of chemicals were placed in class 206, Special Receptacles and Packages, primarily in subclasses 0.6, 0.7, 47, and 84, and in other classes having special receptacles and packages, as set forth in the notes to the definitions of class 206.

Processes of packaging chemicals were placed in class 18, Plastics, when the process or apparatus involved molding of the material packaged, class 93, Paper Manufactures, when the manufacture of a paper receptacle or the closing of a paper receptacle by plural folding operations was involved, and in class 226, Filling and Closing Portable Receptacles. Preserving by coating was placed in class 91, Coating.

In *class 23, Chemistry* (Division 59), establish the following subclass and definition:

Compounds
Binary compounds
Hydrogen peroxide
207.5 With preservative

207.5. Hydrogen peroxide admixed with a preservative.

Note.—See class 260, CHEMISTRY, CARBON COMPOUNDS, subclass 553, for compounds of urea and hydrogen peroxide, even though intended for treatment to subsequently release hydrogen proxide.

The patents contained in this subclass have been taken from class 23, subclass 251, abolished in this order.

In *class 71, Chemistry, Fertilizers* (Division 59), change the title of subclass 64 to read:

Processes and products
64 Forms or conditioning.

In *class 206, Special Receptacles and Packages* (Division 40), establish the following subclasses and definitions:

0.6 **For gas**
0.7 With gas storing absorbent or solvent.
Packages
84 Chemicals.

0.6 Receptacles and packages under the class definition for storing gas.

(1) Note.—See class 21, PRESERVING, DISINFECTING AND STERILIZING, subclass 106 and indented subclasses, for vapor and fume generators.

(2) Note.—See class 48, GAS, HEATING AND ILLUMINATING, subclass 174 and indented subclasses.

(3) Note.—See class 62, REFRIGERATION, subclass 1, for liquefied gas dispensing.

(4) Note.—See class 167, MEDICINES, POISONS AND COSMETICS, appropriate subclasses.

(5) Note.—See class 169, FIRE EXTINGUISHERS, particularly subclasses 11 and 12.

(6) Note.—See class 221, DISPENSING, subclass 73.5, for other gas dispensing.

(7) Note.—See class 226, FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 20, where a process or apparatus for filling receptacles with gas or gas storing fluent absorbents or solvents is claimed.

0.7. Receptacles and packages under subclass 0.6 containing an absorbent, adsorbent or solvent in which the gas is stored.

(1) Note.—See class 252, COMPOSITIONS, subclass 260 and indented subclasses, for adsorbents or solid absorbents, and subclass 364, for solvents.

(2) Note.—See class 312, SUPPORTS, CABINET STRUCTURES, subclass 31 and indented subclasses, for containers for non-gaseous materials having slow diffusers or absorbents.

84. Packages of chemical materials.

(1) Note.—See this class, subclass 0.5, for infusion containing receptacles and packages, subclasses 0.6 and 0.7, for receptacles and packages for gases, subclass 2, for acid proof receptacles, subclass 47,

for combination packages, subclass 63.2 and indented subclasses, for packages of surgical supplies, and subclass 56 and indented subclasses, for dispensing packages.

(2) Note.—See class 23, CHEMISTRY, for inorganic chemicals, class 196, MINERAL OILS, and class 260, CHEMISTRY, CARBON COMPOUNDS, for organic chemicals.

(3) Note.—See appropriate composition classes for packages of compositions, e. g.,
8, BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, particularly subclasses 77, 78 and 79.
23, CHEMISTRY, subclass 292, for burettes and other laboratory receptacles.
44, FUEL AND IGNITING DEVICES.
48, GAS, HEATING AND ILLUMINATING, subclasses 59 and 60, for carbide cartridges.
99, FOODS AND BEVERAGES, particularly subclass 150 and indented subclasses.
102, AMMUNITION AND EXPLOSIVE DEVICES.
128, SURGERY, subclass 1.2, for radioactive material seeds and holders.
136, BATTERIES.
167, MEDICINES, POISONS AND COSMETICS.
195, CHEMISTRY, FERMENTATION, subclass 54.
252, COMPOSITIONS, particularly subclasses 10, 90 and indented subclasses, and 176.

(4) Note.—See class 226, FILLING AND CLOSING PORTABLE RECEPTACLES, particularly subclass 19 and indented subclasses, where a process or apparatus for filling and/or closing a portable receptacle is claimed.

The patents contained in these subclasses have been taken for the most part from class 23, Chemistry, subclasses 239–251, abolished in this order, and from class 206, subclass 46.

In *class 252, Compositions* (Division 64), change the title of subclass 9 to read:

9 Lubricants or separatants for moving solid surfaces and miscellaneous mineral oil compositions

In *class 252, Compositions* (Divisions 59 and 64), establish the following subclasses and definitions:

Fire-extinguishive
Gas generative, chemically
Low temperature chemically interreactive
6.5 Foam-stabilizant or colloid-stabilizant containing,
8.05 Foam-stabilizant or colloid-stabilizant containing.
8.6 **Textile treating**
8.7 Organic sulphoxy compound containing
8.75 Organic amine or amide containing,
8.8 Organic amine or amide containing,
8.9 Ether group containing.
363.5 **Solids with solution or dispersion aids.**

6.5. Compositions under subclass 6 which contain agents for stabilizing foams or other colloid systems, and processes of making them.
Search this class, subclasses 3, 8.05, 61, 307, 350 and 351 and indented subclasses.

8.05. Compositions under subclass 2 which contain agents for stabilizing foams or other colloid systems, and processes of making them.
Search this class, subclasses 3, 6.5, 61, 307, 350 and 351 and indented subclasses.

8.6. Compositions for treating textile materials not more specifically provided for elsewhere, such as, for example, compositions for oiling or lubricating, rendering anti-static, softening, and silk-soaking, excepting detergent, bleaching and mere wetting compositions.

(1) Note.—Patents for compositions which contain a claim to a textile lubricant or, if containing no claims to use as lubricants for treating non-textiles, disclose their use as textile lubricants, whether or not other lubricant uses are disclosed, are placed in this subclass or indented subclasses, and cross-referenced to subclass 9 or indented subclasses, where desirable.

(2) Note.—Patents which claim a composition falling within this group of subclasses and also claim, (*a*) processes involving no more than mere application of the composition to a textile material, or mere application combined with a broadly stated textile operation, and/or (*b*) textile products characterized essentially by the application of the composition, are classified herein. For patents which claim only processes of application and/or products thereof, see class 8, BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, subclass 142.5 and the notes thereto.

(3) **Search this class,** subclasses 8.1, for fireproofing compositions, 89 and indented subclasses, for detergents, 186–188, for bleaching compositions, and 351 and indented subclasses, for wetting agents.

(4) **Search Classes—**
8—BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, subclass 112, for carroting compositions, subclass 132.5, for fulling compositions, and subclass 125 and indented subclasses, for mercerising baths. See the main class definition of this class (252), note (6), and the reference to class 8 therein for other textile treating compositions found in class 8.
106—COMPOSITIONS, COATING OR PLASTIC, for textile treating compositions within the definition of that class.
167—MEDICINES, POISONS AND COSMETICS, subclasses 38.5 to 38.7, for textile saturants for destroying or repelling destructive plant or animal life.

8.7. Compositions under subclass 8.6 which comprise organic compounds containing a sulfoxy group, i. e., a radical containing sulfur bonded to at least one oxygen.

8.75. Compositions under subclass 8.7 which also contain an amine or amide group.

8.8. Compositions under subclass 8.6 which comprise organic compounds containing an amine or amide group.

8.9. Compositions under subclass 8.6 which comprise organic compounds containing an ether group, i. e., having the type formula R-O-R.

363.5. Compositions in this class each of which contains a main substance present as a solid phase and a second substance incorporated or associated therewith for accelerating the rate of solution or dispersion of the main substance in a fluid, and processes of making the same.

(1) **Search this class,** subclasses 315–317, for compositions each of which contains a main solid substance and a second substance associated therewith for stabilizing or accelerating colloidal dispersion of the main substance.

(2) Note.—For compositions containing substances in a granular state and agents associated therewith for inhibiting caking of the granules, **search** where the substances are classifiable respectively.

The patents contained in subclass 6.5 have been taken from class 252, subclass 6; those in subclass 8.05 from class 252, subclass 2; those in subclasses 8.6 to 8.9 for the most part from class 252, subclass 9 and indented subclasses, and from classes 28, Textiles, subclass 1, and 19, Textiles, Fiber Preparation, subclass 66; and those in subclass 363.5 from class 23, Chemistry, subclass 243, abolished in this order.

In *class 252, Compositions* (Division 59), establish the following subclasses and definitions:

Chemical agents or materials (except mere water bindive or emissive)
188.3 Chemically interreactive components.
Catalysts
Products, catalytic
Metal or metal compounds containing
Metal compounds other than oxides, hydroxides, and metal metallates
Group 4 non-metal type containing
227.5 Carbon containing (including cyanides).
259.5 **Combined liquids and solid absorbents or fillers.**

188.3. Compositions under subclass 182 each of which contains a mixture or association of two or more substances chosen for eventual chemical interreaction thereof, substances peculiar thereto, and processes of making the same.

(1) **Search this class,** subclasses 186–188, for such compositions for generating bleaching, oxidizing or reducing agents.

(2) **Search this class,** subclasses 6, 7, 157 and 350.

(3) **Search Classes—**
8—BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, appropriate subclasses, for potentially reactive dye compositions.
99—FOODS AND BEVERAGES, subclass 95, for baking powders.

227.5. Compositions under subclass 227 in which the metal-containing compounds per se contain carbon. This subclass includes cyanides, cyanates, thiocyanates and cyanamids.
Search this class, subclass 223, for catalysts which are organic compounds.

259.5. Compositions in this class each of which contains a liquid, as the primary (most significant) substance and a material present as a solid phase in which the liquid is absorbed or which serves as a filler or thickener for the liquid, neither the liquid nor the solid substance being colloidally dispersed in the other, and processes of making the same.

(1) **Search this class,** subclasses 8.5, 9, 69, 89, and 190, for compositions containing liquids with solid absorbents, fillers, or thickeners therefor.

(2) **Search Classes—**
44—FUEL AND IGNITING DEVICES, subclasses 7 and 41.
206—SPECIAL RECEPTACLES AND PACKAGES, subclass 0.7, for receptacles containing such compositions for absorbing and storing acetylene or other gases; also subclass 0.5.
299—FLUID SPRINKLING, SPRAYING AND DIFFUSING, subclass 24.

The patents contained in subclasses 188.3 and 259.5 have been taken for the most part from class 23, Chemistry, subclasses 246, 248 and 249, abolished in this order, and from class 252, subclasses 261, 263–265 and 270, and those in subclass 227.5 have been taken from class 252, subclass 227.

In *class 252, Compositions* (Division 59), establish the following subclasses and definitions:

380 **Preservative agents**
381 Anti-caking, separative or protective coatings or zones
382 Foams, liquids or fluids,
383 Organic and inorganic matter containing,
384 Organic compound containing,
385 Inorganic compound or element containing,
386 Anti-knock or anti-explosion,
387 Anti-corrosion
388 Organic compound containing
389 Components inorganic or other than C, H, O, N, S, and Hal,
390 Amine, amide, azo, or nitrogen-base radical containing
391 Sulphur organic compound containing,
392 Oxygen organic compound containing,
393 Phenol or quinone radical containing,
394 Nitrogen organic compound containing,
395 Sulphur organic compound containing,
396 Oxygen organic compound containing,
397 Anti-oxidants or chemical change inhibitants
398 Plant or animal matters of unknown compositions,
399 Organic compound containing
400 Components inorganic or other than C, H, O, N, S, and Hal,
401 Amine, amide, azo, or nitrogen-base radical containing
402 Sulphur organic compound containing
403 Oxygen organic compound containing,
404 Phenol or quinone radical containing,
405 Nitrogen organic compound containing,
406 Sulphur organic compound containing.
407 Oxygen organic compound containing.

380. Compositions in this class specialized and designed for, or peculiar to, use as or in agents or materials for preventing, inhibiting or reducing chemical or physical changes in other substances or bodies when incorporated or associated therewith, and processes of making the same, excepting compositions and processes of making them which are primarily for use as analytical, testing, or indicating compositions. For compositions, or processes of making them, each of which contains a main substance and an agent for inhibiting caking of granules of, corrosion by, knocking or explosion on combustion of, chemical decomposition of, or other chemical or physical change of, the main substance, **search** where the main substance is classifiable.

(1) Note.—This subclass and indented subclasses take old compounds limited to use as preserving agents and also the combination of a preserving agent with the substance preserved where such substance is so broadly claimed as not to afford a basis of classification, e. g., "an organic substance."

(2) **Search this class,** subclass 71 and indented subclasses, for agents for inhibiting crystallization.

(3) **Search this class,** subclass 8.1, for fire-proofing compositions.

(4) **Search Classes—**
21—PRESERVING, DISINFECTING AND STERILIZING, subclass 2.5, for processes for inhibiting tarnishing of silver or other metals and anti-tarnish fabrics impregnated with preserving chemicals.
106—COMPOSITIONS, COATING OR PLASTIC, for protective coating or impregnating compositions.
167—MEDICINES, POISONS AND COSMETICS, for antiseptics, fungicides, germicides, or other agents for inhibiting chemical change by bacteria molds, or other fungi or other living organisms.

381. Compositions under subclass 380 specialized and designed for or peculiar to use as or in agents for preventing, inhibiting or reducing caking of granular material, or use in the form of distinct coatings, blankets, layers or zones with respect to the materials with which they are associated respectively. For compositions each of which contains a main substance and an agent for inhibiting caking of granules of the main substance, **search** where the main substance is classifiable.

(1) **Search this class,** subclasses 2 and indented subclasses, and 8.1.

(2) **Search Classes—**
21—PRESERVING, DISINFECTING AND STERILIZING, for processes or means for inhibiting tarnishing of silver or other metals, impregnated or coated wrappers or containers therefor, and for materials preserved or protected by layers or zones of foams, liquids, gases or other blanketing materials.
106—COMPOSITIONS, COATING OR PLASTIC, for coating compositions.

382. Compositions under subclass 381 which are essentially foams, liquids, or other fluids.
Search this class, subclasses 3, 8.1 and 62.

383. Compositions under subclass 381 each of which contains both an organic compound and an inorganic compound or element.

384. Compositions under subclass 381 which contain organic compounds.

385. Compositions under subclass 381 which contain inorganic compounds or elements.

386. Compositions under subclass 380 specialized and designed for, or peculiar to use as or in agents for preventing, inhibiting or reducing, knocking or explosive combustion in materials during combustion therein, or explosion of or in other materials.
Search Class—
44—FUEL AND IGNITING DEVICES, subclass 9.

387. Compositions under subclass 380 specialized and designed for, or peculiar to, use as or in agents for preventing, inhibiting, or reducing, corrosion or chemical attack of solid metals, or other solid materials, of receptacles or apparatus.

(1) **Search this class,** subclass 146 and indented subclasses.

(2) **Search this class, subclasses 397–407,** for agents which inhibit corrosion by inhibiting formation of corrosive products of chemical change.

(3) Note.—For coating compositions or compositions for serving as physical or chemical barriers, **search this class,** subclass 381, and class 106, COMPOSITIONS, COATING OR PLASTIC, particularly subclass 14.

(4) Note.—For compositions each of which contains a main substance and an agent for inhibiting corrosion by the main substance, **search** where the main substance is classifiable.

(5) **Search Class—**
21—PRESERVING, DISINFECTING AND STERILIZING, subclass 2.5, for processes for inhibiting tranishing silver or other metals and impregnated or coated wrappers or containers therefor.

388. Compositions under subclass 387 which contain organic compounds.

389. Compositions under subclass 388 which contain inorganic compounds or elements or organic compounds which contain an element other than carbon, hydrogen, oxygen, nitrogen, sulphur and halogen.

390. Compositions under subclass 388 which contain organic compounds which contain amine, amide, azo, or nitrogen-base radicals.

391. Compositions under subclass 390 which contain organic compounds which contain sulphur.

392. Compositions under subclass 390 which contain organic compounds which contain oxygen.

393. Compositions under subclass 388 which contain organic compounds which contain a phenol or quinone radical (oxygen bonded directly to carbon of a benzene or naphthalene ring or other aromatic nucleus).

394. Compositions under subclass 388 which contain organic compounds which contain nitrogen.

395. Compositions under subclass 388 which contain organic compounds which contain sulphur.

396. Compositions under subclass 388 which contain organic compounds which contain oxygen.

397. Compositions under subclass 380 specialized and designed for, or peculiar to, use as or in anti-oxidants or agents for preventing, inhibiting, or reducing oxidation, chemical decomposition, or other chemical change.

(1) **Search this class**, subclasses 381–387, and indented subclasses.
(2) Note.—For compositions each of which contains a main substance and an agent for inhibiting chemical decomposition or other chemical change of the main substance, **search** where the main substance is classifiable.

398. Compositions under subclass 397 which contain plant or animal matter, or extracts thereof, of unknown constitutions.

399. Compositions under subclass 397 which contain organic compounds.

400. Compositions under subclass 399 which contain inorganic compounds or elements, or organic compounds which contain an element other than carbon, hydrogen, oxygen, nitrogen, sulphur and halogen.

401. Compositions under subclass 399 which contain organic compounds which contain amine, amide, azo, or nitrogen-base radicals.

402. Compositions under subclass 401 which contain organic compounds which contain sulphur.

403. Compositions under subclass 401 which contain organic compounds which contain oxygen.

404. Compositions under subclass 399 which contain organic compounds which contain a phenol or quinone radical (oxygen bonded directly to carbon of a benzene or naphthalene nucleus or other aromatic nucleus).

405. Compositions under subclass 399 which contain organic compounds which contain nitrogen.

406. Compositions under subclass 399 which contain organic compounds which contain sulphur.

407. Compositions under subclass 399 which contain organic compounds which contain oxygen.

The patents contained in these subclasses have been taken from class 23, Chemistry, subclasses 239–251, abolished in this order.

In *class 252, Compositions* (Division 59), abolish the following subclass:

379 **Analytical, testing, or indicating compositions,**

and re-establish it as follows, retaining the existing definition and notes (this subclass to follow subclass 407):

408 **Analytical, testing, or indicating compositions.**

In *class 260, Chemistry, Carbon Compounds* (Division 63), establish the following subclass and definition:

Carbocyclic or acyclic
Fats, fatty oils, ester-type waxes or higher fatty acids
398.5 With preservative.

398.5 Compounds under subclass 398 admixed with a preserving agent.

(1) Note.—For the preservation of edible oils or fats, see class 99, FOODS AND BEVERAGES, subclass 163.
(2) Note.—For the preservation of lubricant or cutting oils, see class 252, COMPOSITIONS, subclass 9 and indented subclasses.

The patents contained in this subclass have been taken from class 23, Chemistry, subclass 250, abolished in this order.

In *class 260, Chemistry, Carbon Compounds* (Division 6), establish the following subclasses and definitions:

Carbocyclic or acyclic
Hydroxy
Acyclic
632.5 With preservative,
Halogenated hydrocarbons
Acyclic
652.5 With preservative.

632.5. Compounds under subclass 632 admixed with a preserving agent.

Note.—See class 252, COMPOSITIONS, subclass 73 and indented subclasses, for mixtures of alcohols and anti-corrosion agents when claimed as low-freezing or heat exchange compositions.

652.5. Compounds under subclass 652 admixed with a preserving agent.

The patents contained in these subclasses have been taken from class 23, Chemistry, subclass 250, abolished in this order.

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), subclass 44, cancel note (2) and substitute:

(2) Note.—See class 260, CHEMISTRY, CARBON COMPOUNDS, subclasses 141 and 142, for stabilization of diazo compounds;

in subclass 95, note (2), rewrite the last sentence of the third paragraph to read:

See also subclasses 114–159, particularly subclass 115.5 and indented subclasses;

in subclass 115 number the existing note (*1*) and add:

(2) Note.—See this class, subclass 114.5, for creping processes, and subclass 114.6, for processes which include fiber destruction;

and in subclass 124, second sentence, change "114 and indented subclass" to *114 and indented subclasses.*

In *class 18, Plastics* (Division 15), subclass 47, cancel the reference to class 23, Chemistry.

In *class 21, Preserving, Disinfecting and Sterilizing* (Division 63), cancel the main class definition and notes and substitute:

I. This is the generic class for preserving (see definition in note I), disinfecting, sterilizing, and/or vapor or fume generation. It is not restricted as to the material, article or thing treated and takes:
A. Processes or preserving, disinfecting and sterilizing.
B. The resultant product.
C. Apparatus for use in preserving, disinfecting and sterilizing.
D. Vapor and/or fume generation. It includes fume generators for generating poisonous or noxious fumes, including for such purpose mere heating of a compound to drive off a fume or the carrying off of a fume, by steam or air or gas currents, to such point of application, and on account of similarity of structure some cases have been placed here for carrying off medicinal vapor or an odorous substance. See note XII below for the distribution of other such subject matter.

II. This class takes only the above defined subject matter when no other basis of classification is shown to exist; see the notes below.

Notes

I. Definition of terms:
(*a*) "Compound" is used to include chemical elements, and in the case of carbon compounds includes homologous mixtures, naturally occurring mixtures, or mixtures resulting from a reaction or synthesis.
(*b*) "Preserving agent" and "preservative" are used to include fireproofing, anti-caking, anti-corrosion and other admixing agents whose function is to prevent chemical or physical change.

II. Compounds and compositions admixed with preservative agents and corresponding processes are not in class 21, but are classified in the compound and composition classification, as follows:
A. Class 23, CHEMISTRY, and class 260, CHEMISTRY, CARBON COMPOUNDS, have all patents having any claim drawn to a process of making a compound or any claim to a new compound per se, even though there are other claims to either or both a process for admixing the compound with a preservative or to the product, i. e., the compound admixed with a preservative. Processes of storing chemicals by means of a chemical combination from which the chemicals may be subsequently released are in classes 23 and 260 or the appropriate composition class, even though the storing takes place in a container, or the initial reaction, the decomposition reaction, or a combination between the two is claimed. See the definitions of these classes for the classification of compounds and processes of manufacture thereof.
B. The composition classification, including all subclasses (in any class) that provide for compositions, takes the character of compositions provided for even though admixed with an additional agent whose sole function is to preserve the composition. For the classification of compositions, both preserved and not preserved, see class 252, COMPOSITIONS, which is the generic class for compositions not otherwise provided for, and see the notes to the definition thereof.
C. Compositions consisting of a compound admixed with an agent having plural functions, one of which is to preserve the compound and one or more of which is to cause such admixture to be better suited for some particular use or purpose provided for in the composition classification, go with the appropriate composition.
D. Compounds admixed with preservatives: Compositions consisting of a compound admixed with an agent whose sole function is to preserve the compound are, in general, classified with the compound preserved with the following exceptions:
(1) When the admixture is specialized for a function or utility provided for in the composition classification.
(2) Where the compound preserved is a vegetable oil which is known or disclosed to be an edible oil, its preservation is in class 99, FOODS AND BEVERAGES, subclass 163.

(3) Mineral oils:
(*a*) Where the preserving agent is also a mineral oil within the definition of class 196, MINERAL OILS, the patent goes to class 196 regardless of how limited.
(*b*) Where the preserving agent is not a mineral oil and there is no limitation to a use or function provided for in the composition classification, if the composition is disclosed solely as a fuel it goes to class 44, FUEL AND IGNITING DEVICES, subclasses 8 and 9, and if disclosed as both a fuel and a lubricant or as a lubricant among other uses, it goes to class 252, COMPOSITIONS, subclass 9 and indented subclasses. If there is no disclosure of use, as fuel or lubricant, though there are other disclosed but non-limiting uses, the lighter fractions (as naphthas, kerosenes, and gasolines) go to class 44, and the heavier fractions to class 252, subclass 9 and indented subclasses.
E. Claimed compounds having thereon a preservative coating are classified with the compound. Class 91, COATING, takes the coating process when the preserved compound is not claimed.

III. Preserving agents. Compositions or compounds which are preserving, insecticidal, fungicidal, germicidal, disinfecting, or sterilizing are not in class 21 when the preserving, sterilizing or disinfecting process or apparatus is not claimed, but are placed in the following classes:
23, CHEMISTRY, 260, CHEMISTRY, CARBON COMPOUNDS, and class 196, MINERAL OILS, when they are new compounds even though their utility as preserving agents is claimed.
99, FOODS AND BEVERAGES, when the composition is for the preservation, pickling or antiseptic treatment of foods and beverages.
106, COMPOSITIONS, COATING OR PLASTIC, when the composition is a coating or plastic material, e. g., paint.
148, METAL TREATMENT, when the composition is reactive with a metal base whereby the metal base supplies an ingredient of the coating formed thereon.
149, HIDES, SKINS AND LEATHER, when the composition is peculiar to the preservation of leather.
167, MEDICINES, POISONS AND COSMETICS, when they are biocidal, insectifugal, medicinal or cosmetic, except in the case of chemical compounds which, if new, are classified in the appropriate compound class even though a function or utility provided for in class 167 is claimed.
252, COMPOSITIONS, subclass 380 and indented subclasses, for preserving agents per se including old compounds limited to such use and not elsewhere provided for, and for preserving agents admixed with a compound or composition so broadly claimed as not to afford a basis of classification, e. g., "a carbon compound."
260, CHEMISTRY, CARBON COMPOUNDS, also takes old compounds claimed as anti-oxidants or age resisters for rubber or synthetic resins.

IV. By purification only. Preservation of compounds or compositions by purification *only* is with the appropriate compound, composition or physical separation class. Where the purification involves a chemical reaction, see the appropriate compound or composition class, class 23, CHEMISTRY, subclass 2 and indented subclasses, having the generic art on gas purification involving chemical reaction. Where the purification is by physical separation only, see the appropriate physical separation classification, particularly:
23, CHEMISTRY, particularly subclasses 293 and 252 and their indented subclasses.
34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS.
83, MILLS.
127, SUGAR, STARCH AND CARBOHYDRATES.
159, CONCENTRATING EVAPORATORS.
183, GAS SEPARATION.
195, CHEMISTRY, FERMENTATION.
196, MINERAL OILS.
202, DISTILLATION.
204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY.
209, CLASSIFYING, SEPARATING AND ASSORTING SOLIDS.
210, LIQUID SEPARATION OR PURIFICATION.
233, CENTRIFUGAL BOWL SEPARATORS.
260, CHEMISTRY, CARBON COMPOUNDS, particularly subclass 704 and indented subclasses.
261, GAS AND LIQUID CONTACT APPARATUS.

Class 21 has no preservation by either purification involving a chemical reaction or by physical separation.

V. By coating. Class 91, COATING.

Processes of preserving chemical compounds classifiable in classes 23, CHEMISTRY, and 260, CHEMISTRY, CARBON COMPOUNDS, by a coating operation are in class 91, COATING, except when the compound so preserved is also claimed, when it is classified in the appropriate compound subclass and cross-referenced to class 91.

Processes of preserving other substances solely by coating and/or impregnating with a material which serves as a shield or surface barrier to physically exclude air, water or other materials, are in class 91. Processes of preserving by impregnating substances with an agent which preserves by action other than by physical exclusion, are in class 21, even though followed by a coating or impregnating operation which per se belongs in class 91. Processes of coating with coating materials containing a preservative or fireproofing agent are in class 91 unless there is clear evidence that the preserving agent migrates into the substance coated. Processes wherein the preservation is effected solely by one or more coatings comprising essentially any one or more of the following materials: resins, bitumens, paints, varnishes, enamels, lacquers, waxes, sizings, solid fatty material, drying oils, and soluble silicates, are excluded from class 21 and placed in class 91 even though the coating may also include a preserving or fireproofing ingredient. The coated products are separated as between classes 21 and 91 on the same line. See the notes to class 91 for the classification of other coating and impregnating processes and resultant products.

VI. By cleaning only:
15, BRUSHING, SCRUBBING AND GENERAL CLEANING, and see the notes to the definition of such class for other cleaning apparatus and processes.

Class 21 has no preservation, disinfecting or sterilizing by cleaning only.

VII. By heating, cooking, cooling and/or drying only:
13, ELECTRIC FURNACES.
34, DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, and see the note to the main class definition of class 34 for the line.
53, DOMESTIC COOKING VESSELS.
62, REFRIGERATION.
99, FOODS AND BEVERAGES.
107, BREAD, PASTRY AND CONFECTION MAKING, particularly subclasses 54 and 55 and indented subclasses.
110, FURNACES.
122, LIQUID HEATERS AND VAPORIZERS.
126, STOVES AND FURNACES.
158, LIQUID AND GASEOUS FUEL BURNERS.
219, ELECTRIC HEATING.
257, HEAT EXCHANGE.
263, HEATING.
266, METALLURGICAL APPARATUS.

VIII. Art processes and apparatus:

Art processes and apparatus are classified with the appropriate art even though the steps or means for preserving, disinfecting or sterilizing are claimed in combination therewith, the preserving, disinfecting or sterilizing subcombination being cross-referenced to the appropriate place. Art products are also classified in the appropriate art class. The following classes are particularly noted:
4, BATHS, CLOSETS, SINKS AND SPITTOONS, particularly subclasses 109, 118, 131, 220, 222 and indented subclasses, 261 and 294.
8, BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS.
15, BRUSHING, SCRUBBING AND GENERAL CLEANING.
18, PLASTICS.
20, WOODEN BUILDINGS; see particularly subclass 100, for poles and posts.
22, METAL FOUNDING.
25, PLASTIC BLOCK AND EARTHENWARE APPARATUS.
27, UNDERTAKING, particularly subclasses 11 and 21 and indented subclasses.
28, TEXTILES.
30, CUTLERY, particularly subclasses 41, 124 and indented subclasses, and 140.
41, ORNAMENTATION.
48, GAS, HEATING AND ILLUMINATING.
49, GLASS.
83, MILLS.
92, PAPER MAKING AND FIBER LIBERATION.
93, PAPER MANUFACTURES.
101, PRINTING.
113, SHEET METAL WARE, MAKING.
119, ANIMAL HUSBANDRY.
128, SURGERY.
136, BATTERIES.
141, WASHING APPARATUS.
148, METAL TREATMENT.
149, HIDES, SKINS AND LEATHER.
166, WELLS.
169, FIRE EXTINGUISHERS.
205, METAL DRAWING.
226, FILLING AND CLOSING PORTABLE RECEPTACLES.

IX. Packages, i. e., (1) containers or receptacles of any kind claimed in combination with their contents or having features of interior arrangement or structure specific to any specific article or sets of articles, or (2) any article or set of articles put up as a mercantile unit.
206, SPECIAL RECEPTACLES AND PACKAGES, is the generic class and takes patents claiming the receptacle or package, even though preserving agents or other preserving features are claimed, and even though there are additional claims to a preserved compound or composition per se. If a process of

or apparatus for preserving is claimed, the patent goes to the class appropriate thereto and is cross-referenced to class 206 for the receptacle or package. See the notes to the definition of class 206 for location of other art within such definition.

X. Receptacles or containers. For patents claiming only receptacle or container structure even though the structure claimed (as features providing for hermetic sealing, plural chambers, some of which are to hold preserving agents, linings or coatings, etc.) is disclosed or claimed as having preservative value, see class 220, METALLIC RECEPTACLES, and the notes to the definition thereof.

The receptacle classes do not include patents where a process of preserving, disinfecting or sterilizing of the contained objects or materials is also claimed, the patent being placed in the classification appropriate to the process.

XI. Other preserving, disinfecting and sterilizing per se:

27, UNDERTAKING, subclass 21 and indented subclasses, for embalming.
43, FISHING, TRAPPING AND VERMIN DESTROYING, subclass 124 and indented subclasses, for vermin destroying.
47, PLANT HUSBANDRY, when limited to treating living plants, particularly subclass 57.5, for injection processes and apparatus.
119, ANIMAL HUSBANDRY, subclass 156, for anti-vermin treatment.
131, TOBACCO, subclass 120 and indented subclasses, particularly subclasses 121 and 142.
149, HIDES, SKINS AND LEATHER, subclass 1.
195, CHEMISTRY, FERMENTATION.
204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY, particularly subclass 130 and indented subclasses, for electrolytic methods and apparatus for preserving, disinfecting or sterilizing, and other appropriate subclasses, for electrical or wave energy methods for the production of chlorine, ozone and other preserving, disinfecting or sterilizing agents.
210, LIQUID SEPARATION OR PURIFICATION, subclasses 2 and 9 and their indented subclasses, for sterilization of sewage and water.
250, RADIANT ENERGY, subclasses 43 and 51 and their indented subclasses, and see the notes to the definition of subclass 42 for the line with class 21.

XII. Vapor and/or fume generation. See the classes set forth in note VII and also classes:

23, CHEMISTRY, and 260, CHEMISTRY, CARBON COMPOUNDS, for processes of manufacture of vapors or fumes that are compounds and the resultant product, and class 23, subclass 252 and indented subclasses, for chemical reaction apparatus, particularly subclasses 281 and 282, for generators.
43, FISHING, TRAPPING AND VERMIN DESTOYING, subclass 124 and indented subclasses, particularly subclass 125 and indented subclasses, for destruction of vermin by fumes.
53, DOMESTIC COOKING VESSELS, and class 126, STOVES AND FURNACES, particularly subclasses 1 and indented subclasses, and 272, for application of steam or hot gases for cooking and sterilizing.
60, POWER PLANTS, subclass 39 and indented subclasses, for mixed fluids for power generation.
99, FOODS AND BEVERAGES, appropriate subclasses, particularly subclasses 225 and indented subclasses, 229, 258 and 259 and indented subclasses, for processes of and apparatus for fumigation and smoking of foods.
119, ANIMAL HUSBANDRY, particularly subclass 156 and indented subclasses, for anti-vermin treatment of animals, including fumigation.
122, LIQUID HEATERS AND VAPORIZERS, and 126, STOVES AND FURNACES, particularly subclass 344 and indented subclasses, for steam generators.
126, STOVES AND FURNACES, subclass 59.5, for smoke producers.
128, SURGERY, appropriate subclasses, particularly subclass 172 and indented subclasses, where the gas or vapor fumes are applied for the relief, medication, curing or beneficiation of a living being.
204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY, for electrical or wave energy methods for the production of chlorine, ozone and other preserving, disinfecting and sterilizing agents.
252, COMPOSITIONS, subclasses 2 and indented subclasses, 182 and indented subclasses, and 302 and indented subclasses, particularly subclass 305.
261, GAS AND LIQUID CONTACT APPARATUS.
299, FLUID SPRINKLING, SPRAYING AND DIFFUSING;

and in subclass 58 in the definition cancel "a sterilizing agent" and insert *agents.*

In *class 23, Chemistry* (Division 59), main class definition, in the third sentence of the first paragraph cancel "packing and preserving of chemicals" and add at the end of the first paragraph the following:

This class also includes compounds and elements coming within the class definition when admixed with a preserving agent whose sole function is to prevent physical or chemical change in such compound or element unless the mixture thus formed is claimed as having a function or utility provided for in the composition classification. "Preserving agent" is intended to include agents which inhibit decomposition of, corrosion by, or caking of the compound or element to which they are added. Such patents are classified on the basis of the compound or element preserved;

and add the following note:

(0.5) Note.—See class 21, PRESERVING, DISINFECTING AND STERILIZING, and see particularly notes II, III and V to the main class definition for the distribution of art on the preservation of compounds, compositions and elements;

in subclass 207 change the definition to read *Hydrogen peroxide,* and cancel the note; and in subclass 293, note (2), cancel from "and subclass 239" to the end of the sentence and substitute:

Processes for preserving chemicals and compositions are classified with the chemical or composition preserved and processes of packaging chemicals are classified in classes 18, PLASTICS, 93, PAPER MANUFACTURES, and 226, FILLING AND CLOSING PORTABLE RECEPTACLES, except when chemicals classifiable in classes 23, CHEMISTRY, and 260, CHEMISTRY, CARBON COMPOUNDS, are stored by means of a chemical combination from which the chemicals may be subsequently released, when they are classified on the basis of the chemical combination so formed.

In *class 26, Textiles, Cloth Finishing* (Division 21), subclass 18.5, note (3), change "113" to read *132.5*; and in subclass 19 in the reference to class 8 change "113" to read *132.5.*

In *class 44, Fuel and Igniting Devices* (Division 64), subclass 8, add to the definition the following:

Since the lighter mineral oil fractions (as naphthas, kerosenes and gasolines) are inherently fuels, this is the generic place for such fractions admixed with other materials and not limited to a use or function provided for elsewhere, such as lighter fractions admixed with anti-oxidants, corrosion inhibitors, gum-inhibitors, stabilizers, preservatives in general, etc.;

cancel the note and substitute:

Search Classes—
48—GAS, HEATING AND ILLUMINATING.
196—MINERAL OILS, subclass 149 and indented subclasses, particularly subclass 150, and see the definitions and notes for the line.
252—COMPOSITION, particularly subclass 9 and indented subclasses, which is the generic place for lubricants and for heavy mineral oil fractions admixed with other agents. If the composition is disclosed (1) solely as a fuel, it is in class 44, (2) solely as a lubricant or as both a lubricant and a fuel, it is in class 252. If there is no basis of classification or limitation to a use or function, the patents are divided between classes 44 and 252 on the basis of light and heavy fractions.
260—CHEMISTRY, CARBON COMPOUNDS, particularly subclasses 449, 450 and 666 and indented subclasses, for other hydrocarbons admixed with a preservative.

In *class 48, Gas, Heating and Illuminating* (Division 64), subclass 59, cancel note (2) and substitute:

(2) **Search Class—**
206—SPECIAL RECEPTACLES AND PACKAGES, particularly subclasses 0.6, 0.7 and 84, and the places specified in the notes to such class and subclasses, for other packages of chemicals.

In *class 71, Chemistry, Fertilizers* (Division 59), main class definition, first paragraph, cancel "together with packages thereof"; in note (1) cancel the last sentence and substitute:

Fertilizers admixed with preserving agents are in class 71, the notes to class 21, PRESERVING, DISINFECTING AND STERILIZING, particularly notes II, III and V, stating the classification of preserved compounds and compositions in general;

in note (4) change the next to the last sentence to read: Plant pots or molds made of fertilizer material and mulching sheets which are made of or comprise a fertilizer ingredient are in class 47;

in subclass 64 in the definition, in the first sentence, cancel "or packages containing fertilizer values," in the second sentence cancel "or packages"; cancel note (1) and substitute:

(1) Note.—See class 47, PLANT HUSBANDRY, for structures formed of or containing fertilizers, such as flower pots, stakes and mulching sheets, utilized in plant husbandry;

and add the following note:

(3) Note.—See class 206, SPECIAL RECEPTACLES AND PACKAGES, particularly subclass 2, for fertilizer receptacles and packages.

In *class 92, Paper Making and Fiber Liberation* (Division 56), subclass 68, cancel the reference to class 8 and substitute:

8—BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, subclasses 114–159, for the chemical and fluid treatment of textiles generally, and particularly subclass 7, for coloring paper with dyes, and subclass 119, for parchmentizing paper.

In *class 99, Foods and Beverages* (Division 63), main class definition, note (3), cancel "and for preservation of chemicals other than foods"; in subclass 143 in the note change "205 and 239–251" to *89 and 205*; in subclass 150 cancel notes (2) and (3), number note (4) as (*2*) and add:

(3) Note.—See class 21, PRESERVING, DISINFECTING AND STERILIZING, particularly notes II, III and V, of the main class definition for the preservation of compounds and compositions in general;

in subclass 163 add the following note:

Search Class—
260—CHEMISTRY, CARBON COMPOUNDS, subclass 398.5;

in subclass 165 cancel note (1); and in subclass 166 cancel note (2).

In *class 106, Compositions, Coating or Plastic* (Division 38), subclass 14, cancel note (1); add at the end of note (2):

and subclass 387 and indented subclasses, for corrosion-inhibiting agents;

in subclass 263 cancel the note and substitute:

Search Class—
252—COMPOSITIONS, subclass 380 and indented subclasses, for anti-oxidants or other preserving agents. For compositions, each of which contains a substance and an agent for inhibiting caking of granules of, corrosion by, or chemical change of, the substance, search where the substance is classifiable.

In *class 136, Batteries* (Division 60), subclass 19, note (2), cancel "class 23, Chemistry, subclass 242" and substitute:

See the notes to such class for the classification of coated things and materials.

In *class 195, Chemistry, Fermentation* (Division 63), subclass 118, cancel note (3) and substitute:

(3) **Search Class—**
252—COMPOSITIONS, subclasses 182 and 380 and appropriate indented subclasses;

and in subclass 124 cancel note (2) and substitute:

(2) **Search Class—**
252—COMPOSITIONS, subclasses 182 and 380 and appropriate indented subclasses.

In *class 196, Mineral Oils* (Division 31), subclass 149, in the note cancel the last sentence and substitute:

for compositions which contain mineral oil and non-mineral oil preserving agents, search class 44, FUEL AND IGNITING DEVICES, subclasses 8 and 9, and class 252, COMPOSITIONS, appropriate subclasses, particularly subclass 9 and indented subclasses, and see the notes to the definitions of such subclasses.

In *class 206, Special Receptacles and Packages* (Division 40), subclass 2, cancel note (2).

In *class 226, Filling and Closing Portable Receptacles* (Division 35), main class definition, add the following notes:

(0.5) Note.—See class 18, PLASTICS, for filling and/or closing of portable receptacles involving molding of the filling material.

(2.5) Note.—See classes 23, CHEMISTRY, and 260, CHEMISTRY, CARBON COMPOUNDS, or the appropriate composition class, for processes of storing chemicals by means of a chemical combination from which the chemicals may be subsequently released, even though the storing takes place in a container, or the initial reaction, the decomposition reaction or a combination between the two is claimed;

and in subclass 20 change the period to a comma and add:

or with gas adsorbing, absorbing or solvent mediums;

and add the following notes:

(1) Note.—See class 206, SPECIAL RECEPTACLES AND PACKAGES, subclasses 0.6 and 0.7, for the gas container where the filling and/or closing process is not claimed.
(2) Note.—See class 252, COMPOSITIONS, subclass 260 and indented subclasses, for adsorbents and solid absorbents, and subclass 364, for solvents.

In *class 252, Compositions* (Divisions 59 and 64), in the main class definition add the following note:

(5*b*) Note.—Compositions and processes of making them, which in each case is merely a chemical compound or element with which is incorporated an agent for inhibiting caking of granules of, corrosion by, chemical change of, the compound or element, and processes of merely so preserving the same, are classified in the classes where the compounds or elements are classifiable, respectively;

in note (6) add:

21—PRESERVING, DISINFECTING AND STERILIZING, and see the notes to the main class definition, particularly notes II, III and V, for the preservation of compounds and compositions in general;

in note (6) in the reference to class 23, Chemistry, cancel from "; subclass 239", first occurrence, to the end of the sentence and substitute:

and for compositions, or processes of making them, each of which contains a compound or element classifiable in such class and an agent whose sole function is to preserve such compound;

in the reference to class 44, Fuel and Igniting Devices, change the period to a comma and add:

compositions, or processes of making them, each of which contains gasoline, kerosene, or any other mineral oil not heavier than kerosene, and an agent for inhibiting corrosion by, gum formation in, or chemical decomposition or, or other chemical or physical changes, of such hydrocarbon materials, or processes of so preserving such hydrocarbon materials;

in the reference to class 167, Medicines, Poisons and Cosmetics, after "biocidal" insert *warfare, poisonous gas neutralizing*; in the reference to class 260, Chemistry, Carbon Compounds, change the period to a comma and add:

or compositions, or processes of making them, each of which contains a carbon compound and an agent for inhibiting caking of, granules of, corrosion by, chemical decomposition of, or other chemical or physical changes of, the carbon compound, or processes of so preserving such compounds;

in subclass 8.1 add the following note:

(0.5) Note.—See this class, subclass 380 and indented subclasses, particularly subclass 381 and indented subclasses;

and at the end of note (1) add:

see particularly subclass 15 and indented subclasses; in subclass 9 add at the end of the definition:

This is the generic place for mineral oils admixed with non-mineral oil materials and not limited to a function or utility provided for elsewhere in class 252 or any other class (such as mineral oils admixed with anti-oxidants, corrosion inhibitors, gum-inhibitors, stabilizers, preservatives, in general, etc.) but mineral oil containing compositions, which are not limited to any use, and processes of making them, are excluded from this subclass when the same are provided for in subclasses coordinate herewith below this subclass;

in note (2) before "subclass 63" insert *subclass 8.6 and indented subclasses*; and in note (3) add:

44—FUEL AND IGNITING DEVICES, subclasses 8 and 9, and see the note to subclass 8 referring to class 252 for the line.
196—MINERAL OILS, subclass 149 and indented subclasses, for mineral oils admixed with other mineral oils only, regardless of the use or function, as, for example, fuels or lubrication.
260—CHEMISTRY, CARBON COMPOUNDS, particularly subclasses 449, 450 and 666 and indented subclasses, for other hydrocarbons admixed with a preservative;

in subclass 61 in note (1) change "6" to *6.5, 8.05,* and at the end of the note add:

and subclass 88, for selective or differential particle-adherent compositions;

in subclass 63, note (3), add:

154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclasses 2.5 and 2.6;

in subclass 68 number the existing note (*1*) and add:

(2) **Search Class—**
106—COMPOSITIONS, COATING OR PLASTIC, subclass 33;

in subclass 70, note (2), add:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 13;
138—PIPES AND TUBULAR CONDUITS, subclass 34;

in subclass 88, note (2), add:

43—FISHING, TRAPPING AND VERMIN DESTROYING, subclasses 114–117 and 136.
106—COMPOSITIONS, COATING OR PLASTIC;

in subclass 175, note (3), change the comma after "silicates" to a period and cancel the remainder of the sentence; add the following note:

(4) **Search this class,** subclass 387 and indented subclasses, for corrosion-inhibiting agents;

in subclass 182 after "compositions", second occurrence, insert *whether among the constituents thereof or*; and in note (1) change "379" to *408*; in subclass 203 add the following note:

Search this class, subclass 227, for catalytic compositions containing silicates;

in subclass 227 add the following note:

Search this class, subclass 203 and indented subclasses;

in subclass 260 add the following note:

(2a) **Search this class,** subclass 259.5, for compositions which individually contain a solid absorbent and a liquid, or processes of making the same;

in subclass 283 in the definition change the period to a comma and add:

or production of elementary carbon from a carbon compound;

in subclass 301 in the definition insert after "treatments": of silica or silicate-containing material;

in each of subclasses 307 and 350, and in note (1) of subclass 351, cancel "6" and add *6.5, 8.05*; in subclass 364 in the note change "and 162–172" to *162–172 and 259.5*; and in subclass 367, note (4), cancel "23, Chemistry, subclass 239 and indented subclasses" and substitute:

260—CHEMISTRY, CARBON COMPOUNDS, subclass 398.5.

In *class 260, Chemistry, Carbon Compounds* (Division 6), in the main class definition, after the third paragraph, insert the following:

This class also includes carbon compounds coming within the definition of the class when admixed with a preserving agent whose sole function is to prevent physical or chemical change in the carbon compound unless the mixture thus formed is claimed as having a function or utility provided for in the composition classification. "Preserving agent" is intended to include agents which inhibit chemical decomposition of, corrosion by, or caking of the carbon compounds to which they are added. Preserved carbon compounds classifiable in this class (260) are classified on the basis of the carbon compound preserved even though the preserving agent is itself a carbon compound classifiable in a preceding subclass;

in note (3) cancel the third sentence beginning "The packing, preserving," etc.; and in note (28) add the following sentence:

For agents for inhibiting caking of granules, corrosion or chemical change, **search class** 252, COMPOSITIONS, subclass 380 and indented subclasses.

In *class 299, Fluid Sprinkling, Spraying and Diffusing* (Division 46), subclass 24, note (2), cancel the reference to class 23, Chemistry, and in the reference to class 252, Compositions, insert *259.5* after "194".

Changes in Classification

Order No. 3,559, June 30, 1941, directs:

In *class 252, Compositions* (Division 64), establish the following subclasses and definitions:

Dielectric or electrically insulating
63.2 Solids,
63.5 Metal compounds or inorganic components containing,
63.7 Organic compounds of other than C, H, O and Hal.

63.2. Compositions under subclass 63 which are essentially solids.

63.5. Compositions under subclass 63 which contain metal-containing compounds, inorganic compounds, or elements.

63.7. Compositions under subclass 63 which contain organic compounds which contain an element other than carbon, hydrogen, oxygen, and halogen.

The patents contained in these subclasses have been taken from class 252, subclasses 63–66.

In *class 252, Compositions* (Division 59), establish the following subclasses and definitions:

Catalysts
Products, catalytic
Metal or metal compounds containing
Metal compounds other than oxides, hydroxides and metal metallates
228.4 S, Se, or Te compound containing,
228.7 Halogen compound containing.
Adsorbents or solid absorbents
Products, solid absorbent
268.3 Solid organic compound containing
268.5 Inorganic additant containing
268.6 Silica or silicate additant containing,
Processes, making solid absorbents
298.5 Solid organic compound containing, making.

228.4. Compositions under subclass 226 in which the metal-containing compounds per se contain sulphur, selenium or tellurium.

228.7. Compositions under subclass 226 in which the metal-containing compounds per se contain a halogen.

268.3. Products under subclass 261 which contain solid organic compounds in significant amounts.
Search this class, subclass 262 and indented subclasses, for products which contain incompletely charred organic matter or elementary carbon with other substances.

268.5. Products under subclass 268.3 which contain inorganic compounds or elements, other than water, which have been added to the organic compounds or to the materials from which the organic compounds have been artificially formed, or produced from matter so added.

268.6. Products under subclass 268.5 which contain silica or inorganic silicates which have been added to the organic compounds or to the materials from which the organic compounds have been artificially formed, or produced from matter so added.

298.5. Processes under subclass 273 which include, or are peculiar to, making adsorbents or solid absorbents which contain significant amounts of solid organic compounds.

The patents contained in subclasses 228.4 and 228.7 have been taken from class 252, subclass 226; those in subclasses 268.3, 268.5 and 268.6 have been taken from class 252, subclasses 261 and 270, and those in subclass 298.5 have been taken for the most part from class 252, subclass 273.

In *class 252, Compositions* (Division 59), subclass 270, add the following note:

Search this class, subclasses 265 and 268.6, for compositions which contain silica, or silicates, with other substances.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 5, 1941

[VOL. 529. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 436,341. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa. Filed Sept. 25, 1940.

SINKRITE

FOR POWDER INSULATION FOR TOPS OF INGOT MOLDS.
Claims use since Aug. 24, 1940.

Ser. No. 441,848. AYRSHIRE PATOKA COLLIERIES CORPORATION, Indianapolis, Ind., and Wilmington, Del. Filed Mar. 24, 1941.



The words "Washed Third Vein" and "Indiana Coal" are disclaimed apart from the mark.
FOR COAL.
Claims use since Jan. 8, 1941.

CLASS 2

RECEPTACLES

Ser. No. 416,480. REX PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 27, 1939.

Rex
FIFTH AVENUE

FOR UNFILLED VANITY CASES AND COMPACTS NOT MADE OF PRECIOUS METAL.
Claims use since Oct. 15, 1937.

Ser. No. 444,207. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio. Filed June 4, 1941.



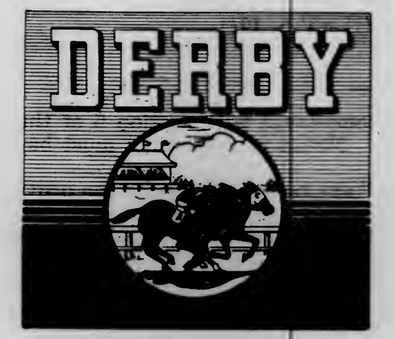
FOR PAPER BAGS.
Claims use since Jan. 23, 1940.

Ser. No. 444,208. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio. Filed June 4, 1941.



FOR PAPER BAGS.
Claims use since Apr. 3, 1941.

Ser. No. 444,474. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio. Filed June 12, 1941.



FOR PAPER BAGS.
Claims use since Jan. 1, 1922.

Ser. No. 444,475. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio. Filed June 12, 1941.



The portrait shown is that of Abraham Lincoln.
FOR PAPER BAGS.
Claims use since Jan. 1, 1929.

Ser. No. 444,477. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio. Filed June 12, 1941.



FOR PAPER BAGS.
Claims use since Jan. 1, 1928.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 443,934. MELVIN H. JACOBS, doing business as Eaton Laboratories, Chicago, Ill. Filed May 26, 1941.

Ever Yours

FOR SAPONACEOUS MATERIAL FOR FORMING BUBBLES FOR USE IN THE BATH.
Claims use since Oct. 1, 1940.

Ser. No. 443,935. MELVIN H. JACOBS, doing business as Eaton Laboratories, Chicago, Ill. Filed May 26, 1941.

Lady Charm

FOR SAPONACEOUS MATERIAL FOR FORMING BUBBLES FOR USE IN THE BATH.
Claims use since Mar. 1, 1941.

Ser. No. 443,994. THE BELL COMPANY, INC., doing business as Flare Laboratories, Chicago, Ill. Filed May 28, 1941.

WAXHIDE

FOR SOAPS, WASHING SOLUTIONS, AND COMPOUNDS FOR CLEANING AUTOMOBILE BODIES, METALS, PORCELAINS, AND OTHER SMOOTH SURFACES.
Claims use since Jan. 15, 1939.

Ser. No. 444,271. THE MYSTIC FOAM CORPORATION, Cleveland, Ohio. Filed June 6, 1941.

MYSTIC ZIP

FOR CLEANER FOR WOODWORK, PAINTED AND ENAMELED SURFACES, AND THE LIKE.
Claims use since Aug. 31, 1938.

CLASS 5

ADHESIVES

Ser. No. 419,658. THE CELOTEX CORPORATION, Chicago, Ill. Filed May 22, 1939.

TEXBORD

FOR LATEX ADHESIVES AND A LATEX ADHESIVE AND A DISPERSION FLUID THEREFOR SOLD IN COMBINATION.
Claims use since October, 1936.

Ser. No. 443,210. STEIN-HALL MANUFACTURING COMPANY, Chicago, Ill. Filed May 2, 1941.

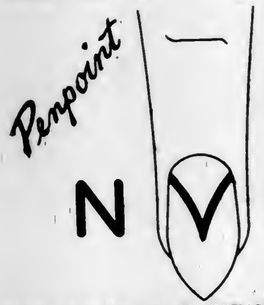
COLLOFILM

FOR GLUES, ADHESIVE GUMS, AND ADHESIVE PASTES.
Claims use since Oct. 1, 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 436,756. HENRIETTA E. BOYCE, Glen Rock, N. J. Filed Oct. 9, 1940. Under act of Feb. 20, 1905, as amended June 10, 1938.



FOR SKIN CREAMS, HAND CREAMS, CLEANSING CREAMS, FACE POWDERS, BODY POWDERS, BODY DEODORANTS, PERSPIRATION INHIBITORS, SUN TAN OILS, TOILET WATERS, PERFUMES, LIPSTICK, ROUGES, MASCARA, SHAMPOOS, BATH CRYSTALS, BATH SALTS, NAIL POLISHES, ASTRINGENTS, FACE PACKS, HAIR OILS, HAIR CREAMS, HAIR TONICS; FACE AND HAND LOTIONS.
Claims use since Sept. 20, 1940.

Ser. No. 441,627. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 17, 1941.

KAPSEALS

FOR PREPARATION USED IN THE TREATMENT OF HEART CONDITIONS; A CONCENTRATED ANTI-ANEMIC EXTRACT OBTAINED FROM STOMACH TISSUE, COMBINED WITH IRON AND VITAMIN B; AN IRON SODIUM CITRATE COMPOUND USED IN THE TREATMENT OF ANEMIA OR OTHER CONDITIONS WHERE IRON IS INDICATED; SODIUM HEXYL ETHYL BARBITURATE, A HYPNOTIC WITH PHENACETIN, AN ANALGESIC; A BILE PREPARATION FOR USE IN THE TREATMENT OF BILIARY DEFICIENCIES; A PREPARATION INTENDED FOR THE TREATMENT OF SPASMODIC AND CONVULSIVE CONDITIONS; A PREPARATION CONTAINING VITAMIN B USED IN THE TREATMENT OF VITAMIN B DEFICIENCIES; A COMBINATION OF IRON SALT AND DRIED WHOLE BILE FOR THE TREATMENT OF ANEMIA; A COMBINATION OF VITAMIN B COMPLEX WITH A DIASTATIC ENZYME FOR USE IN TREATMENT OF CERTAIN DIGESTIVE DISTURBANCES AND VITAMIN B DEFICIENCIES; A PREPARATION USED IN THE TREATMENT OF VITAMIN K DEFICIENCIES; AND A CRYSTALLINE ESTROGENIC SUBSTANCE FOR ORAL ADMINISTRATION.
Claims use since July 25, 1931.

Ser. No. 443,048. EARL O. MEYER, doing business as Moe-Nade Laboratories, Denver, Colo. Filed Apr. 28, 1941.

MOE-NADE

FOR MASSAGE BAR FOR MASSAGING AND MEDICATING THE FEET.
Claims use since Apr. 1, 1941.

Ser. No. 443,070. MIKE CARRAS, New York, N. Y. Filed Apr. 29, 1941.



The picture is that of applicant. The word "Liniment" is disclaimed apart from the mark.
FOR RUBBING LINIMENT.
Claims use since Dec. 27, 1937.

Ser. No. 443,363. C. M. KIMBALL CO., Boston, Mass. Filed May 8, 1941.



FOR AMMONIA, DEODORANT, AND BLEACH.
Claims use since June 4, 1940.

Ser. No 443,455. EARL CORYELL, doing business as "Dr. Daniel Brook's Three Daughters," Lincoln, Nebr. Filed May 10, 1941.

3 Daughters



The three portraits are fanciful.
FOR BODY DEODORANT.
Claims use since Apr. 1, 1941.

Ser. No. 443,541. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed May 13, 1941.

VITAZYM

FOR VITAMIN-CONTAINING PHARMACEUTICALS.
Claims use since Jan. 15, 1920.

Ser. No. 443,906. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed May 26, 1941.

PLURAVIT

FOR COMPOUND VITAMIN PREPARATION FOR THE PREVENTION AND TREATMENT OF COMBINED DEFICIENCIES OF VARIOUS VITAMINS.
Claims use since May 1, 1941.

Ser. No. 443,936. MELVIN H. JACOBS, doing business as Eaton Products, Chicago, Ill. Filed May 26, 1941.

Lady Charm

FOR COLOGNE.
Claims use since Mar. 1, 1941.

Ser. No. 444,145. FLORIDIN COMPANY, Warren, Pa. Filed June 3, 1941.

FLORISIL

FOR ADSORBENT MAGNESIUM SILICATE.
Claims use since May 9, 1941.

Ser. No. 444,315. G. D. SEARLE & CO., Chicago, Ill. Filed June 7, 1941.

PAVATRINE

FOR ANTISPASMODIC.
Claims use since July 9, 1940.

Ser. No. 444,439. COLUMBIAN CARBON COMPANY, New York, N. Y. Filed June 12, 1941.

SPECTRATEX

FOR PARTICULATE CARBON HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Apr. 24, 1941.

Ser. No. 444,483. ALBI CHEMICAL CORPORATION, New York, N. Y. Filed June 13, 1941.

ALBINOL

FOR CHEMICAL COMPOUNDS FOR IMPREGNATING FIBROUS, CELLULOSIC AND TEXTILE MATERIAL TO MAKE SAME MILDEW-PROOF.
Claims use since May 21, 1941.

Ser. No. 444,614. PAUL DONALD ST. JOHN, Claremont, Calif. Filed June 17, 1941.

SONG of the ISLANDS

FOR PERFUMES.
Claims use since July 1, 1940.

Ser. No. 444,620. U. S. VITAMIN CORPORATION, New York, N. Y. Filed June 17, 1941.

chevinal

FOR VITAMIN-MINERAL SUPPLEMENT FOR HORSES IN TRAINING.
Claims use since Aug. 10, 1940.

Ser. No. 444,621. U. S. VITAMIN CORPORATION, New York, N. Y. Filed June 17, 1941.

PERVINAL

FOR VITAMIN-MINERAL SUPPLEMENT FOR DOGS AND SMALL BREED ANIMALS.
Claims use since Aug. 10, 1940.

Ser. No. 444,766. NUTRITION RESEARCH LABORATORIES, Chicago, Ill. Filed June 23, 1941.

PENDRON

FOR VITAMIN PREPARATIONS, PARTICULARLY MEDICINAL DOSAGES IN CAPSULE FORM OF VITAMINS A, B_1, D, and G.
Claims use since June 18, 1941.

Ser. No. 444,786. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed June 24, 1941.

MOUNTIE

FOR PERFUMES.
Claims use since Mar. 1, 1940.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 437,806. BURWOOD PRODUCTS COMPANY, Traverse City, Mich. Filed Nov. 13, 1940.



FOR PLASTIC WOOD PRODUCTS—NAMELY, ASH TRAYS AND PIPE RACKS.
Claims use since Feb. 1, 1925.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 439,766. WOOLSULATE, INCORPORATED, Salt Lake City, Utah. Filed Jan. 17, 1941.



FOR THERMAL INSULATING MATERIAL.
Claims use since July 23, 1940.

Ser. No. 443,178. THE WILSON METAL PRODUCTS COMPANY, Columbus, Ohio. Filed May 1, 1941.

PLASTILITE

FOR EXTRUDED PLASTIC MOLDINGS SUCH AS EXTRUDED PLASTIC ASTRAGALS, BINDER BARS, CAP MOLDS, COVES, DECORATIVE BARS, DIVISION BARS, EDGINGS, NOSINGS, INTERIOR AND EXTERIOR CORNERS, SINK RIM AND SINK WELL EDGINGS, T NOSINGS, WAINSCOT TRIMS AND OTHER TYPES OF EXTRUDED PLASTIC MOLDINGS DESIGNED OR USED TO SUPPORT, COVER, FINISH, PROTECT OR DECORATE INSTALLATIONS OF PLYWOOD, WALLBOARD, LINOLEUM, SHEET RUBBER, ASPHALT TILE, CORK, SYNTHETIC OR METAL SHEET MATERIALS OR LAMINATES OR INSTALLATIONS OF SIMILAR MATERIALS ON PLANE OR CURVED SURFACES.
Claims use since Apr. 22, 1941.

Ser. No. 443,806. E. & E. MANUFACTURING COMPANY, Detroit, Mich. Filed May 22, 1941.

EVACUATOR

FOR PORTABLE AND FIXED FIRE ESCAPES, CHUTES, AND PARTS THEREOF.
Claims use since Jan. 10, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 442,958. F. D. KEES MANUFACTURING COMPANY, Beatrice, Nebr. Filed Apr. 25, 1941.



FOR SCREEN AND STORM SASH HANGERS AND BRACES, SCREEN DOOR GUARDS, HOOKS AND STAPLES, METAL WALL PLUGS, METAL ROOFING CLEATS.
Claims use since March, 1932.

Ser. No. 443,339. NOVEL SLIDE MANUFACTURING CORPORATION, New York, N. Y. Filed May 7, 1941.

ZIP-ORNAMENT

The word "Ornament" is disclaimed apart from the mark.
FOR SLIDE FASTENERS FOR GENERAL USE IN THE INDUSTRIAL ART.
Claims use since January, 1941.

Ser. No. 443,376. STRONGHOLD FASTENER COMPANY, INC., New York, N. Y. Filed May 8, 1941.

TRUMP

FOR SLIDE FASTENERS.
Claims use since Apr. 29, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 444,037. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y. Filed May 29, 1941.

ALMO

FOR STEEL RODS, BARS, BLOOMS, BILLETS, PLATES, SHEETS, SLABS, STRIPS, BLOCKS, AND FORGINGS.
Claims use since December, 1918.

Ser. No. 444,038. CRUCIBLE STEEL COMPANY OF AMERICA, New York, N. Y. Filed May 29, 1941.

Chro-Mow

FOR STEEL RODS, BARS, BLOOMS, BILLETS, PLATES, SHEETS, SLABS, STRIPS, BLOCKS, AND FORGINGS.
Claims use since Mar. 13, 1941.

Ser. No. 444,229. JOSEPH T. RYERSON & SON, INC., Chicago, Ill. Filed June 5, 1941.

C-F-M

FOR STEEL.
Claims use since Jan. 2, 1930.

CLASS 15

OILS AND GREASES

Ser. No. 436,754. BERRY ASPHALT COMPANY, Chicago, Ill. Filed Oct. 9, 1940.

BERRY

FOR BLACK, RAIL, AUTOMOTIVE, CABLE, DIESEL, ENGINE, TRANSMISSION, ROPE AND TWINE, AND OTHER LUBRICATING OILS; SPECIAL NAPHTHAS, TRACTOR, DIESEL, DOMESTIC BURNER, INDUSTRIAL, KEROSENE, AND OTHER FUEL OILS; FLUX, DUST LAYING, AND OTHER OILS FOR DRESSING ROADS AND STREETS; METAL DRAWING, CUTTING TOOL COOLING AND LUBRICATING, AND COAL DUST LAYING OILS; PIPE RUST PROOFING, PAPER IMPREGNANT AND WATER PROOFING, BATTERY SEALING, AND HEAT, COLD AND ELECTRICAL INSULATION ASPHALTIC OILS.
Claims use since July, 1927.

Ser. No. 441,936. ANDERSON-PRICHARD OIL CORPORATION, Oklahoma City, Okla. Filed Mar. 26, 1941.

APCO

FOR GASOLINE, KEROSENE, AND INDUSTRIAL NAPHTHAS.
Claims use since June, 1921.

Ser. No. 444,808. TIONA PETROLEUM COMPANY, Philadelphia, Pa. Filed June 24, 1941. Under 10-year proviso.

TIONA

FOR LUBRICATING OILS AND GREASES.
Claims use since 1891.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 441,486. THE PEERLESS CARBON BLACK COMPANY, Pittsburgh, Pa. Filed Mar. 12, 1941.

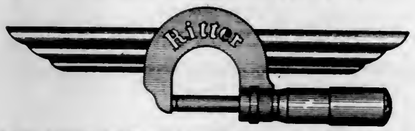
MARATHON

FOR BLACK CARBON PIGMENT FOR USE IN THE PAINT INDUSTRY.
Claims use since Jan. 14, 1932.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 443,701. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y. Filed May 19, 1941.



FOR AIRPLANE DUAL CONTROL COLUMNS, TAB CONTROLS (AILERON, RUDDER, AND ELEVATOR), AND PILOT'S RUDDER PEDAL ASSEMBLIES.
Claims use since July 8, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 407,672. PAUL P. HORNI, New York, N. Y. Filed June 20, 1938.

HORNI MARVEL

Applicant disclaims the word "Horni" apart from the mark.
FOR ROTATABLY DRIVEN REGISTERS FOR RECORDING ON A MOVABLE WEB FROM ELECTRICAL IMPULSES, MORE PARTICULARLY FOR USE IN SIGNALING SYSTEMS.
Claims use since November, 1934.

Ser. No. 407,673. PAUL P. HORNI, New York, N. Y. Filed June 20, 1938.

HORNI MONITOR

Applicant disclaims the word "Horni" apart from the mark.
FOR ROTATABLY DRIVEN REGISTERS FOR RECORDING ON A MOVABLE WEB FROM ELECTRICAL IMPULSES, MORE PARTICULARLY FOR USE IN SIGNALING SYSTEMS.
Claims use since April, 1938.

Ser. No. 444,259. THE FAIRFIELD ENGINEERING COMPANY, Marion, Ohio. Filed June 6, 1941.

COALIMIT

FOR ELECTRICAL CONTROL SWITCHES.
Claims use since Nov. 20, 1940.

Ser. No. 444,278. THE RELIANCE ELECTRIC & ENGINEERING COMPANY, Cleveland, Ohio. Filed June 6, 1941.

SYNCHROLOCK

FOR DYNAMO-ELECTRIC MACHINE.
Claims use since June, 1935.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 442,124. GIMBEL BROTHERS, INC., New York, N. Y. Filed Mar. 31, 1941.

"ROUGHNECK"

FOR OUTDOOR TOYS—NAMELY, OUTDOOR GYM APPARATUS, SWINGS, SEESAWS, SLIDES, SANDPITS, TOY SLEDS, TOY WAGONS.
Claims use since May 22, 1940.

Ser. No. 444,761. THE A. C. GILBERT COMPANY, New Haven, Conn. Filed June 23, 1941.

"CHOO-CHOO"

FOR TOY RAILROAD ACCESSORIES, TOY TRAINS, TOY LOCOMOTIVES, TOY TENDERS, AND OTHER TOY ROLLING STOCK.
Claims use since May 22, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 421,436. CHARLES M. PALMER, Washington, D. C. Filed July 10, 1939.

"DRIVE-O-MATIC"

FOR CONTROL HANDLES OPERATIVELY ASSOCIATED WITH THE DEPRESSIBLE PEDAL FOR ACCELERATOR MEANS IN AUTOMOTIVE DEVICES.
Claims use since July 7, 1939.

Ser. No. 433,653. HENRY DISSTON & SONS, INCORPORATED, Tacony, Pa. Filed July 3, 1940.

DISSTON HAS THE EDGE

Applicant claims ownership of U. S. trade-mark registration No. 90,101 effected Feb. 4, 1913, under the 10-year proviso of section 5b of the act of Feb. 20, 1905.
FOR SAWS.
Claims use since May 3, 1940.

Ser. No. 434,578. SNAP-ON TOOLS CORPORATION, Kenosha, Wis. Filed Aug. 1, 1940.

Speedi-Centric

FOR VALVE RESEATING APPARATUS, PORTABLE VALVE GRINDING MACHINES, GRINDING WHEEL DRESSING MACHINES, VALVE GRINDING STONE SLEEVES, VALVE GRINDING STONE HOLDERS, VALVE GRINDING SLEEVES, AND VALVE GRINDING PILOTS.
Claims use since May 1, 1940.

Ser. No. 442,225. AMERICAN CHAIN & CABLE COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Filed Apr. 3, 1941.

CUTAMATIC

FOR ABRASIVE CUTTING MACHINE EXCLUSIVE OF ABRASIVE ELEMENTS.
Claims use since Jan. 15, 1938.

Ser. No. 443,235. WILLIAM S. PINE, Los Angeles, Calif. Filed May 3, 1941.

JENNY

FOR A TOOL USEFUL IN INSTALLING AND REMOVING PUMP LINERS, VALVE SEATS, BUSHINGS, KEYS, ETC.
Claims use since Apr. 1, 1940.

Ser. No. 444,148. THE G & N MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 3, 1941.

G & N

FOR DIE CASTING MACHINES.
Claims use since May 1, 1941.

Ser. No. 444,258. THE DORR COMPANY, INC., New York, N. Y. Filed June 6, 1941.

CLARIFLOCCULATOR

FOR APPARATUS FOR THE TREATMENT OF SOLIDS SUSPENDED IN LIQUIDS AND MORE PARTICULARLY FOR COMBINED AGITATION AND SEDIMENTATION APPARATUS.
Claims use since May 11, 1940.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 426,937. THE AMERICAN LAUNDRY MACHINERY COMPANY, Norwood Station, Cincinnati, Ohio. Filed Dec. 28, 1939.

PROTECTO

FOR IDENTIFICATION APPLIANCES FOR USE IN LAUNDRIES FOR THE IDENTIFICATION OF LAUNDRY WORK.
Claims use since Nov. 29, 1930.

Ser. No. 444,130. THE SUNLITE MFG. COMPANY, Milwaukee, Wis. Filed June 2, 1941.

HEAT-MIRROR

FOR IRONING PADS.
Claims use since May 2, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 432,157. FRANK E. POWELL, Tacoma, Wash. Filed May 20, 1940.

RADI-O-MINDER

No claim is made to the expression "Radi-O" apart from the mark.
FOR DEVICE WITH MOVABLE INDICATORS FOR DOMESTIC USE FOR REMINDING OF DESIRED RADIO BROADCASTS.
Claims use since Mar. 1, 1940.

Ser. No. 434,535. LUMA INCORPORATED, New York, N. Y. Filed July 31, 1940.

LUMASTAT

FOR PHOTOGRAPHIC PAPER, LIGHT SENSITIZED SHEET REQUIRING EXPOSURE TO LIGHT AND DEVELOPMENT FOR THE PHOTOGRAPHIC PRODUCTION OF TRANSPARENCIES TO BE USED IN REPRODUCING MULTIPLE COPIES SUCH AS BLUEPRINTS AND DIAZOTYPES, AND THE SAID SHEETS AFTER BEING EXPOSED AND DEVELOPED WITH IMAGES THEREON, ALL OF WHICH ARE DEVISED FOR USE STRICTLY IN THE ART OF PHOTOGRAPHY.
Claims use since January, 1940.

Ser. No. 444,222. INTERNATIONAL INDUSTRIES, INC., Ann Arbor, Mich. Filed June 5, 1941.



FOR CAMERAS, ENLARGERS FOR MAKING ENLARGED PRINTS FROM PHOTOGRAPHIC FILMS, PROJECTORS FOR PROJECTING PHOTOGRAPHIC FILM, PROJECTORS AND PRINTERS A UNITARY INSTRUMENT FOR PROJECTING, ENLARGING AND PRINTING PHOTOGRAPHIC FILM, PROJECTOR SLIDE BINDNG EQUIPMENT WHICH IS EQUIPMENT FOR BINDING PHOTOGRAPHIC FILM IN SLIDES FOR PROJECTION OR VIEWING PURPOSES, LENS FILTERS, AUXILIARY LENSES, MICROSCOPE ADAPTERS, CABLE RELEASES WHICH IS FLEXIBLE WIRE CABLE FOR THE PURPOSE OF OPENING AND CLOSING SHUTTERS USED IN CONNECTION WITH CAMERAS, CAMERA CASES, PROJECTION SCREENS, PROJECTION SLIDE CASES, FLASH BULB APPLIANCES, EXPOSURE METERS, PHOTOGRAPHIC PRINTING MACHINES, LIGHT SENSITIZED PHOTOGRAPHIC PAPER, APPARATUS FOR CONTAINING AND USING PHOTOGRAPHIC DEVELOPING AND FINISHING SOLUTIONS, AND PHOTOGRAPHIC EQUIPMENT, MORE SPECIFICALLY PHOTOGRAPHIC COPYING STANDS, PHOTOGRAPHIC MICROATTACHMENTS USED FOR SECURING MAXIMUM IMAGE SIZES OF SMALL OBJECTS ON PHOTOGRAPHIC FILM, FRAMING EASELS, PHOTOGRAPHIC DEVELOPING TANKS, TRAYS, CONTAINERS, AND TELESCOPES AND BINOCULARS.
Claims use since Dec. 16, 1939, on telescopes and binoculars; since July 15, 1939, on remaining goods.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 443,474. AMERICAN AND CONTINENTAL PATENTED PRODUCTS INC., New York, N. Y. Filed May 12, 1941.
The word "Vendome" is disclaimed apart from the mark.

PLACE VENDOME

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, BAG FRAMES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, CUFF LINKS, STUD BUTTONS AND JEWELRY INITIALS.
Claims use since January, 1941.

Ser. No. 444,380. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed June 10, 1941.

Spring Glory

FOR STERLING SILVER FLATWARE AND HOLLOW WARE FOR TABLE USE AND THE LIKE.
Claims use since May 16, 1941.

Ser. No. 444,540. NATIONAL SILVER COMPANY, New York, N. Y. Filed June 14, 1941.

DOMINION

FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE.
Claims use since May 3, 1941.

Ser. No. 444,542. NATIONAL SILVER COMPANY, New York, N. Y. Filed June 14, 1941.

VICEROY

FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE.
Claims use since May 3, 1941.

Ser. No. 444,704. INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed June 20, 1941.

Eternally Yours

FOR SILVER-PLATED FLAT-WARE AND HOLLOW WARE FOR TABLE USE AND THE LIKE.
Claims use since May 16, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 432,154. PITTSBURGH APPLICATOR CO., Pittsburgh, Pa., assignor to Epily C. Deitrich, Pittsburgh, Pa. Filed May 20, 1940.

PAC-O

FOR COMBINED SHOE POLISH APPLICATOR AND SHOE BRUSH.
Claims use since Apr. 1, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 437,804. BORG-WARNER CORPORATION, Chicago, Ill. Filed Nov. 13, 1940.

PERMOLAIN

FOR FLUID AND SOLID FUEL BURNING FURNACES FOR HEATING.
Claims use since Sept. 4, 1940.

Ser. No. 438,909. THE STANDARD COMPUTING SCALE COMPANY, Detroit, Mich. Filed Dec. 16, 1940.

Dour-Aire

The word "Aire" is disclaimed apart from the mark.
FOR AIR HEATING AND HUMIDIFYING AND COOLING AND DRYING UNITS.
Claims use since Aug. 31, 1938.

Ser. No. 442,390. COMBUSTION ENGINEERING COMPANY, INC., Wilmington, Del., and New York, N. Y. Filed Apr. 8, 1941.

PIEDMONT *Heatmaster*

FOR GAS WATER HEATERS.
Claims use since Dec. 26, 1939.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 442,690. H. CHIRON CO., INC., New York, N. Y. Filed Apr. 18, 1941.

VIBRATOR

SOUND WAVE

The word "Vibrator" is disclaimed apart from the mark.
FOR REEDS FOR MUSICAL INSTRUMENTS.
Claims use since Apr. 15, 1940.

Ser. No. 443,267. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed May 5, 1941.

Memories in Sound

The word "Sound" is disclaimed except as shown.
FOR PHONOGRAPH RECORD BLANKS.
Claims use since Apr. 29, 1941.

Ser. No. 443,397. KERSHAW BURBANK, doing business as Sing-A-Tina Studio, New York, N. Y. Filed May 9, 1941.

SING-A-TINA

FOR MUSICAL ACOUSTIC DEVICE—NAMELY, A DEVICE INTO WHICH MUSIC CAN BE SUNG OR HUMMED IN ORDER TO MODIFY THE SOUND.
Claims use since Apr. 26, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 441,499. CATECHETICAL GUILD, INC., St. Paul, Minn. Filed Mar. 13, 1941.

Tinto-Chrome

Applicant disclaims the word "Chrome" apart from the mark.
FOR CRAYONS.
Claims use since Mar. 7, 1941.

Ser. No. 442,169. GOLDSMITH BROS., New York, N. Y. Filed Apr. 1, 1941.

Tab-dex

The word "Tab" is disclaimed apart from the mark.
FOR GUMMED CLOTH INDEX STRIPS.
Claims use since Feb. 24, 1937.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 425,557. COLOUR INCORPORATED, Chicago, Ill. Filed Nov. 13, 1939.

MAGICHROME

FOR PRINTED PICTURES.
Claims use since Sept. 15, 1939.

Ser. No. 432,370. AMERICAN DECALCOMANIA CO., INC., Chicago, Ill. Filed May 27, 1940.

Syntho-MARBL

Applicant disclaims the word "Marble" apart from the mark.
FOR DECALCOMANIAS.
Claims use since May 2, 1940.

Ser. No. 442,629. RITA KANAREK HILLMAN, New York, N. Y. Filed Apr. 16, 1941.

VICTORY Comics

The word "Comics" is disclaimed apart from the mark.
FOR MAGAZINE.
Claims use since Apr. 3, 1941.

Ser. No. 442,914. NATIONAL PUBLISHING COMPANY, doing business as National Bible Press, Philadelphia, Pa. Filed Apr. 24, 1941.

NATIONAL BIBLE PRESS PHILADELPHIA
Liber omnium saeculorum
EST. 1863

Applicant disclaims "Philadelphia" and "Est. 1863" apart from the mark.
FOR COMPILATIONS OF THE BOOKS OF THE BIBLE AND BIBLE TESTAMENTS.
Claims use since Feb. 20, 1941.

CLASS 39

CLOTHING

Ser. No. 441,689. B. SCHWARTZ & CO., Philadelphia, Pa. Filed Mar. 18, 1941.

JR. HOME GUARD

FOR BOYS' CLOTHING—NAMELY, BOYS' SUITS, PANTS, AND OVERCOATS.
Claims use since Mar. 4, 1941.

Ser. No. 443,741. ARMAND SCHWAB & CO., INC., New York, N. Y. Filed May 21, 1941.

MADE IN U.S.A.
ULTRA
100% WOOL

All wording except "Ultra" is disclaimed apart from the mark.
FOR WOOL FELT HAT BODIES AND HAT HOODS MADE OF WOOL FOR WOMEN AND/OR CHILDREN.
Claims use since Nov. 5, 1940.

Ser. No. 444,157. I. MILLER & SONS, INC., Long Island City, N. Y. Filed June 3, 1941.

RuffBuoy

FOR LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS.
Claims use since May 2, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 441,175. HENRY POLLAK, INC., New York, N. Y. Filed Mar. 3, 1941.

POLNAR

FOR MILLINERY BRAIDS.
Claims use since Dec. 9, 1940.

Ser. No. 441,628. HENRY POLLAK, INC., New York, N. Y. Filed Mar. 17, 1941.

POLMAT

FOR MILLINERY BRAIDS.
Claims use since December, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 436,707. SOUTHERN SILK MILLS, Spring City, Tenn. Filed Oct. 7, 1940.

Molesuede

FOR PIECE GOODS OF COTTON, SILK, RAYON, AND MIXTURES THEREOF.
Claims use since May 10, 1940.

Ser. No. 438,089. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 20, 1940.

HARMONY HOUSE

FOR CURTAINS, DRAPERIES, DRAPERY FABRICS, SLIP COVER MATERIALS, AND BEDSPREADS.
Claims use since Jan. 2, 1940.

Ser. No. 439,005. WEARITE SPECIALTY CO., INC., New York, N. Y. Filed Dec. 18, 1940.

DRYTEX

FOR CRIB SHEETS MADE OF A MIXTURE OF COTTON AND RUBBER.
Claims use since Oct. 1, 1940.

Ser. No. 441,899. BABY'S BOUDOIR, Portland, Oreg. Filed Mar. 25, 1941.

Mother Dreams

FOR KNIT DIAPER CLOTH, KNIT TOWELS, KNIT WASH CLOTHES, KNIT SHEETS, ALSO BLANKETS FOR BABIES.
Claims use since Feb. 29, 1940.

Ser. No. 443,269. RUGLATEX CARPET MILLS COMPANY, Chicago, Ill. Filed May 5, 1941.

Ruglatex

"The Rug that Stays where it Lays"

The words "The Rug That Stays Where It Lays" are disclaimed apart from the mark.
FOR RUGS AND CARPETS.
Claims use since Dec. 10, 1940.

Ser. No. 444,034. H. W. BAKER LINEN COMPANY, New York, N. Y. Filed May 29, 1941.

SUPER-DRYTEX

FOR FACE AND BATH TOWELS.
Claims use since May 13, 1941.

Ser. No. 444,403. THE FIRST TEXTILE CORPORATION, New York, N. Y. Filed June 11, 1941.

ROSE PETAL

FOR VELVET PIECE GOODS.
Claims use since May 6, 1940.

Ser. No. 444,443. FORSTMANN WOOLEN CO., Passaic, N. J. Filed June 12, 1941.

Angorep

FOR WOOLEN PIECE GOODS.
Claims use since June 1, 1941.

Ser. No. 444,444. FORSTMANN WOOLEN CO., Passaic, N. J. Filed June 12, 1941.

Velonda

FOR WOOLEN PIECE GOODS.
Claims use since June 1, 1941.

Ser. No. 444,445. FORSTMANN WOOLEN CO., Passaic, N. J. Filed June 12, 1941.

Velondeen

FOR WOOLEN PIECE GOODS.
Claims use since June 1, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 444,807. TESTED PAPERS OF AMERICA, INC., Chicago, Ill. Filed June 24, 1941.

Tops

FOR SANITARY NAPKINS.
Claims use since Nov. 22, 1940.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 441,759. BARDINET LTD., New York, N. Y. Filed Mar. 21, 1941. Under 10-year proviso.

BARDINET

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS FOR MAKING THE SAME.
Claims use since Nov. 17, 1894.

Ser. No. 442,811. WELCH FRUIT PRODUCTS CO., Chicago, Ill. Filed Apr. 21, 1941.

BLACK KOW

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME.
Claims use since May 25, 1938.

Ser. No. 442,812. WELCH FRUIT PRODUCTS CO., Chicago, Ill. Filed Apr. 21, 1941.



FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME.
Claims use since May 25, 1938.

Ser. No. 443,814. EVALYN C. PARKER, doing business as E. C. Parker Laboratories, New York, N. Y. Filed May 22, 1941.

Penta-Cent-O

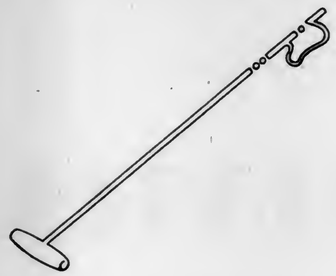
Applicant disclaims the term "Penta-Cent" apart from the combination shown.
FOR MALTLESS AND NONALCOHOLIC CARBONATED SOFT DRINKS.
Claims use since May 12, 1941.

Ser. No. 444,363. SAMUEL E. WEBB, doing business as Beverages of America Bottling Company, Philadelphia, Pa. Filed June 9, 1941.



FOR NONALCOHOLIC, MALTLESS BEVERAGES AND PRODUCTS FOR USE IN MAKING THE SAME.
Claims use since June 1, 1940.

Ser. No. 444,364. SAMUEL E. WEBB, doing business as Beverages of America Bottling Company, Philadelphia, Pa. Filed June 9, 1941.



FOR NONALCOHOLIC, MALTLESS BEVERAGES AND PRODUCTS FOR USE IN MAKING THE SAME.
Claims use since June 1, 1940.

Ser. No. 444,431. ZARPI-COLA BEVERAGES CO., Ponce, P. R. Filed June 11, 1941.

ZARPI

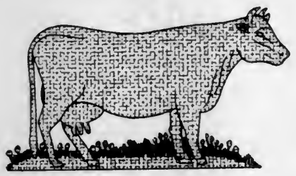
FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Feb. 26, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 433,598. THE BORDEN COMPANY, New York, N. Y. Filed July 2, 1940.

Borden's



Applicant is the owner of the following registrations, each effected under the 10-year proviso: Nos. 55,233, 58,578, 64,723, 128,942, 130,647, and 357,120. The drawing is lined for gold.
FOR EVAPORATED MILK.
Claims use since May 14, 1940.

Ser. No. 438,102. THE ACME FLOUR MILLS COMPANY, Oklahoma City, Okla. Filed Nov. 22, 1940.



UNCLE SAM'S Best

The word "Best" is disclaimed apart from the mark.
FOR WHEAT FLOUR.
Claims use since Nov. 13, 1940.

Ser. No. 438,572. HECKER PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 6, 1940.

2 IN 1

FOR BREAKFAST CEREALS.
Claims use since Nov. 15, 1940.

Ser. No. 442,006. FRUIT GROWERS CO-OPERATIVE, Sturgeon Bay, Wis. Filed Mar. 27, 1941.

PRIDE of LAKES BRAND

The word "Brand" is disclaimed apart from the mark.
FOR CANNED CHERRIES.
Claims use since July, 1928.

Ser. No. 442,337. THE ROSEWOOD GRAIN COMPANY, Rosewood, Ohio. Filed Apr. 5, 1941.

RED PARROT



The words "Makes 'em Grow" are disclaimed apart from the mark.
FOR FEEDS FOR CATTLE, HOGS, SHEEP, HORSES, AND POULTRY.
Claims use since Dec. 16, 1940.

Ser. No. 442,507. WALNUT CREEK MILLING CO., Great Bend, Kans. Filed Apr. 11, 1941.

Zesto

FOR WHEAT FLOUR.
Claims use since Mar. 14, 1941.

Ser. No. 442,517. LORENZ CHELHAR, San Francisco, Calif. Filed Apr. 12, 1941.

CAN-O-LOPE

The word "Can" is disclaimed apart from the mark.
FOR CANNED CANTALOUPE JUICE.
Claims use since Jan. 15, 1940.

Ser. No. 442,560. JOHN MORRELL & CO., Ottumwa, Iowa. Filed Apr. 14, 1941.

"APPETEASING VARIETY"

No claim is made to the word "Variety" apart from the mark.
FOR CANNED MEAT LOAF.
Claims use since Mar. 13, 1941.

Ser. No. 442,737. TREESWEET PRODUCTS CO., Santa Ana, Calif. Filed Apr. 18, 1941.



Applicant is the owner of Reg. 310,977, Mar. 13, 1934.
FOR CANNED CITRUS JUICES FOR FOOD PURPOSES—NAMELY, CANNED GRAPEFRUIT JUICE.
Claims use since June 1, 1935.

Ser. No. 443,482. B. A. ECKHART MILLING CO., Chicago, Ill. Filed May 12, 1941.



FOR WHEAT FLOUR.
Claims use since Jan. 1, 1941.

Ser. No. 443,519. CHAS. SNYDER CO., INC., Salinas, Calif. Filed May 12, 1941.



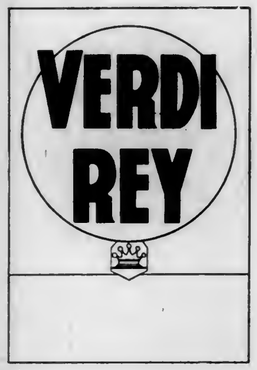
No claim is made to the word "Approval" apart from the mark.
FOR FRESH VEGETABLES.
Claims use since Apr. 30, 1941.

Ser. No. 443,738. VERTIN-EDMONDS COMPANY, Salinas, Calif. Filed May 20, 1941.



No claim is made to the word "Fresh" apart from the mark.
FOR FRESH VEGETABLES.
Claims use since May 2, 1941.

Ser. No. 443,739. VERTIN-EDMONDS COMPANY, Salinas, Calif. Filed May 20, 1941.



No claim is made to the word "Verdi" apart from the mark.
FOR FRESH VEGETABLES—NAMELY, FRESH LETTUCE.
Claims use since Apr. 24, 1941.

Ser. No. 444,134. CANOGA CITRUS ASSOCIATION, Canoga Park, Calif. Filed June 3, 1941.



FOR FRESH CITRUS FRUITS.
Claims use since May 14, 1941.

CLASS 47

WINES

Ser. No. 441,057. MIGLIORETTI BROTHERS, Baltimore, Md. Filed Feb. 27, 1941.

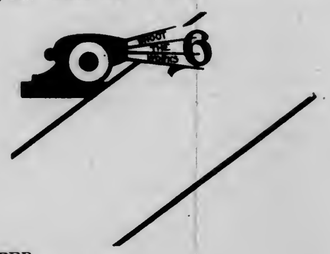


No claim is made to the word "Quality" apart from the mark.
FOR WINES.
Claims use since January, 1935.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 429,315. NEW ORLEANS BREWING CO. INC., New Orleans, La. Filed Mar. 7, 1940.



FOR BEER.
Claims use since Nov. 27, 1939.

Ser. No. 443,719. HAMPDEN BREWING COMPANY, Williamsett, Mass. Filed May 20, 1941.



No claim is made to the words "Mild," "Ale," "Rice," "Sugar," "Hops," and "Malt" apart from the mark. Applicant is owner of T. M. Reg. No. 355,989 for the word "Hampden" effected under the 10-year proviso.
FOR ALE.
Claims use since Apr. 3, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 5, 1941

389,337. MEN'S COLLARS AND CUFFS, MEN'S DRESS AND NEGLIGEE SHIRTS WITH ATTACHED COLLARS OR WITH MATCHED, DETACHED COLLARS, AND MEN'S PAJAMAS. F. JACOBSON & SONS, New York, N. Y., assignor to F. Jacobson & Sons, Inc., New York, N. Y., a corporation of New York.
Filed February 21, 1935. Serial No. 361,703. PUBLISHED SEPTEMBER 8, 1936. Class 39.

389,338. STEEL ARTICLES SUCH AS FLAT IRON, ROUGH, UNFINISHED MACHINERY CASTINGS, ANCHORS, BED-PLATES, ETC. DAIMLER-BENZ AKTIENGESELLSCHAFT, Stuttgart-Unterturkheim, Germany.
Filed November 11, 1937. Serial No. 399,600. PUBLISHED MAY 20, 1941. Class 14.

389,339. PUBLICATION OF READING MATTER OF INTEREST TO THE HOME ECONOMICS PROFESSION, PUBLISHED MONTHLY. HARVEY & HOWE, INC., Chicago, Ill.
Filed May 14, 1937. Serial No. 392,754. PUBLISHED SEPTEMBER 7, 1937. Class 38.

389,340. STEEL ARTICLES SUCH AS FLAT IRON, ROUGH, UNFINISHED MACHINERY CASTINGS, ANCHORS, BED-PLATES, ETC. DAIMLER-BENZ AKTIENGESELLSCHAFT, Stuttgart-Unterturkheim, Germany.
Filed March 3, 1938. Serial No. 403,645. PUBLISHED MAY 20, 1941. Class 14.

389,341. MEN'S AND BOYS' COATS. GREENSPOON CLOTHING CO., INC., St. Louis, Mo.
Filed February 8, 1939. Serial No. 415,775. PUBLISHED FEBRUARY 6, 1940. Class 39.

389,342. CLEANSER FOR TOILET SULPHUR BOWLS, TRAPS, AND OUTLETS. VESTAL CHEMICAL COMPANY, St. Louis, Mo.
Filed May 24, 1939. Serial No. 419,780. PUBLISHED OCTOBER 24, 1939. Class 6.

389,343. PERIODICAL PUBLICATION. THE STATE AUTOMOBILE INSURANCE ASSOCIATION BY AUTOMOBILE UNDERWRITERS, INC., ATTORNEY-IN-FACT, Des Moines, Iowa.
Filed June 26, 1939. Serial No. 420,974. PUBLISHED MAY 20, 1941. Class 38.

389,344. HAND TOOLS—NAMELY, AXES, HAMMERS, HATCHETS, ADZES, BROADAXES. THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio.
Filed October 13, 1939. Serial No. 424,513. PUBLISHED JULY 23, 1940. Class 23.

389,345. COSMETICS, SUCH AS SKIN LOTION, AND NOSE DROPS. MEYER B. EPSTEIN, doing business as United Chemical Co., Philadelphia, Pa.
Filed October 30, 1939. Serial No. 425,047. PUBLISHED FEBRUARY 27, 1940. Class 6.

389,346. DYES. MONROE CHEMICAL COMPANY, Quincy, Ill.
Filed January 17, 1940. Serial No. 427,551. PUBLISHED MAY 27, 1941. Class 6.

389,347. MEDICINAL PREPARATION USED IN ALLAYING MUSCULAR ACHES AND PAINS. MILTON W. FOLDS, doing business as The Ru-Ex Company, Chicago, Ill.
Filed January 29, 1940. Serial No. 427,976. PUBLISHED APRIL 23, 1940. Class 6.

389,348. MADE UP FINISHED WINDOW CURTAINS. BARTMANN & BIXER INC., New York, N. Y.
Filed February 23, 1940. Serial No. 428,791. PUBLISHED MAY 27, 1941. Class 42.

389,349. TITLE FOR A SECTION OF A PERIODICAL. PATTERSON PUBLISHING COMPANY, Chicago, Ill.
Filed March 19, 1940. Serial No. 429,745. PUBLISHED APRIL 29, 1941. Class 38.

389,350. COLD CREAM AND VANISHING CREAM. PETER L. RANCATTI, doing business as Mayon Products Co., North Adams, Mass.
Filed March 20, 1940. Serial No. 429,788. PUBLISHED MAY 27, 1941. Class 6.

389,351. LOCKS AND KEYS. CHICAGO LOCK COMPANY, Chicago, Ill.
Filed March 25, 1940. Serial No. 429,934. PUBLISHED MAY 7, 1940. Class 25.

389,352. ROPE BELTS. BEN-HUR PRODUCTS, INC., New York, N. Y.
Filed March 29, 1940. Serial No. 430,163. PUBLISHED MAY 27, 1941. Class 39.

389,353. SHOES OF LEATHER OR A COMBINATION OF LEATHER, RUBBER, AND FABRIC. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y.
Filed April 8, 1940. Serial No. 430,496. PUBLISHED MAY 27, 1941. Class 39.

389,354. COSMETIC CREAMS, COSMETIC LOTIONS, AND HAIR PREPARATIONS. MARY CARTER MARBLE, doing business as Adrienne Carter, Washington, D. C.
Filed April 23, 1940. Serial No. 431,124. PUBLISHED MAY 27, 1941. Class 6.

389,355. RAINCOATS. MERVIN C. GEILFUS, Los Angeles, Calif.
Filed April 22, 1940. Serial No. 431,134. PUBLISHED MAY 20, 1941. Class 39.

389,356. SHEET AND CAST METAL PIPING AND ASSOCIATED PARTS FOR USE IN IRRIGATION, SUCH PIPING BEING LIMITED TO 3, 4, 6, AND 8 INCHES DIAMETRIC SIZES. CHICAGO METAL MFG. CO., Chicago, Ill.
Filed May 18, 1940. Serial No. 432,073. PUBLISHED SEPTEMBER 24, 1940. Class 13.

389,357. RAT AND MOUSE EXTERMINATORS. SIMPSON LAMAR COWLEY, doing business as Cowley Manufacturing Company, Hugo, Okla.
Filed May 29, 1940. Serial No. 432,463. PUBLISHED MAY 20, 1941. Class 6.

389,358. SHEET MATERIAL COATED WITH ABRASIVE GRAINS. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.
Filed June 28, 1940. Serial No. 433,476. PUBLISHED MAY 20, 1941. Class 4.

389,359. GASOLINE HOSE, AIR HOSE, OIL HOSE, ROTARY DRILLING HOSE, ACID HOSE, STILL-CLEANING HOSE, SPRAY HOSE, AND SOLVENT HOSE. THE WHITEHEAD BROS. RUBBER CO., Trenton, N. J.
Filed July 10, 1940. Serial No. 433,842. PUBLISHED MAY 27, 1941. Class 35.

389,360. WOMEN'S DRESSES, BLOUSES, AND SHIRTS. MCMULLEN-LEAVENS CO., Glens Falls and New York, N. Y.
Filed July 16, 1940. Serial No. 434,028. PUBLISHED MAY 20, 1941. Class 39.

389,361. SCRIPTS FOR A SERIES OF RADIO BROADCASTS SOLD AS A PUBLICATION IN TRADE. QUIZ KIDS, INC., Chicago, Ill., assignor to Louis G. Cowan, Chicago, Ill.
Filed July 17, 1940. Serial No. 434,086. PUBLISHED MAY 27, 1941. Class 38.

389,362. PHONOGRAPH RECORDS. NORRIS B. MAYHAMS, New York, N. Y.
Filed August 8, 1940. Serial No. 434,802. PUBLISHED MAY 27, 1941. Class 36.

389,363. METALLIC ABRASIVE SCOURING PADS. M. S. STEINER, doing business as Gail Manufacturing Co., Chicago, Ill.
Filed August 24, 1940. Serial No. 435,376. PUBLISHED OCTOBER 29, 1940. Class 4.

389,364. SOUND MOTION PICTURES. MILLS NOVELTY COMPANY, Chicago, Ill.
Filed August 26, 1940. Serial No. 435,399. PUBLISHED MAY 27, 1941. Class 26.

389,365. FLAT BRAIDS USED FOR TYING PURPOSES AND TWINES. THE ATKINS & PEARCE MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed August 31, 1940. Serial No. 435,566. PUBLISHED MAY 27, 1941. Class 7.

389,366. SOLUTION OF SYNTHETIC RESINS USED AS A PAINT AS A PROTECTIVE COATING TO RESIST OXIDATION AND/OR THE CORROSIVE ACTION OF FLUIDS, EITHER OF A GASEOUS OR LIQUID NATURE. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed August 31, 1940. Serial No. 435,581. PUBLISHED MAY 27, 1941. Class 16.

389,367. SHOWER CURTAINS. ROYAL MAID MFG. CO., Chicago, Ill.
Filed September 16, 1940. Serial No. 436,035. PUBLISHED MAY 27, 1941. Class 13.

389,368. HAND LUGGAGE AND TRUNKS. WHEARY TRUNK COMPANY, Racine, Wis.
Filed September 30, 1940. Serial No. 436,531. PUBLISHED MAY 27, 1941. Class 3.

389,369. HAND LUGGAGE AND TRUNKS. WHEARY TRUNK COMPANY, Racine, Wis.
Filed September 30, 1940. Serial No. 436,532. PUBLISHED MAY 27, 1941. Class 3.

389,370. SHOE DYE. R. M. HOLLINGSHEAD CORP., Camden, N. J., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York.
Filed August 3, 1940. Serial No. 434,645. PUBLISHED MAY 27, 1941. Class 6.

389,371. FINGERNAIL ENAMEL. STA-RITE GINNIE-LOU, INC., Shelbyville, Ill.
Filed October 14, 1940. Serial No. 436,943. PUBLISHED MAY 27, 1941. Class 6.

389,372. SO-CALLED TRANSPARENT TRACING SHEETS FOR DRAFTING. THE FREDERICK POST COMPANY, Chicago, Ill.
Filed November 7, 1940. Serial No. 437,663. PUBLISHED MAY 27, 1941. Class 37.

389,373. FLY SPRAYS AND WHITE OILS MEETING U. S. P. SPECIFICATIONS FOR LIGHT AND HEAVY LIQUID PETROLATUMS. CALIFORNIA TEXAS OIL COMPANY, LIMITED, New York, N. Y.
Filed November 19, 1940. Serial No. 438,034. PUBLISHED MAY 27, 1941. Class 6.

389,374. LUBRICATING OILS AND GREASES. CALIFORNIA TEXAS OIL COMPANY, LIMITED, New York, N. Y.
Filed November 19, 1940. Serial No. 438,036. PUBLISHED MAY 27, 1941. Class 15.

389,375. COMIC CARTOONS OR DRAWINGS. JULIAN OLLENDORFF, New York, N. Y.
Filed December 5, 1940. Serial No. 438,548. PUBLISHED MAY 20, 1941. Class 38.

389,376. STOVE POLISH. HARRIS GOLDBERG, doing business as Eastern New England Company, Middletown, Conn.
Filed December 11, 1940. Serial No. 438,731. PUBLISHED MAY 20, 1941. Class 4.

389,377. PREWEIGHED UNITS OF SILVER PICRATE, SODIUM CHLORIDE, SULFANILAMIDE, AND CODEINE SULFATE OF SUCH DESIGN THAT THE UNIT IS CLEARLY DISTINGUISHABLE AS NOT FOR DOSAGE FORM. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed December 13, 1940. Serial No. 438,824. PUBLISHED MAY 27, 1941. Class 6.

389,378. PERFUME. SAMUEL RUBIN, New York, N. Y.
Filed December 14, 1940. Serial No. 438,853. PUBLISHED JANUARY 28, 1941. Class 6.

389,379. MEN'S AND YOUNG MEN'S SUITS CONSISTING OF COATS, VESTS, AND TROUSERS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed December 17, 1940. Serial No. 438,947. PUBLISHED MAY 27, 1941. Class 39.

389,380. MAGAZINES ISSUED MONTHLY. THE NETHERLANDS-AMERICAN DIGEST, INC., New York, N. Y., assignor to Netherland Publishing Corporation, New York, N. Y., a corporation of New York.
Filed December 17, 1940. Serial No. 438,958. PUBLISHED MAY 20, 1941. Class 38.

389,381. MEN'S AND YOUNG MEN'S CLOTHING HAVING A SUBSTANTIAL WOOL CONTENT—NAMELY, SUITS, COATS, PANTS, VESTS, TOPCOATS, AND OVERCOATS. HAUSMAN, NEWMAN & MILLER, INC., Brooklyn, N. Y.
Filed December 23, 1940. Serial No. 439,105. PUBLISHED MAY 27, 1941. Class 39.

389,382. MACHINES AND TOOLS FOR MOISTENING, SERVING, OR APPLYING ADHESIVE OR GUMMED TAPE, WRAPPERS, LABELS, ETC. NASHUA PACKAGE SEALING CO. INC., Nashua, N. H.
Filed December 24, 1940. Serial No. 439,168. PUBLISHED MAY 27, 1941. Class 23.

389,383. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. H. A. CASTLEMAN, Las Vegas, Nev.
Filed January 4, 1941. Serial No. 439,407. PUBLISHED MARCH 4, 1941. Class 45.

389,384. CHEMICALS USED FOR IMPARTING ODOR OR COLOR TO PERFUMES OR PERFUMED PREPARATIONS. SYNFLEUR SCIENTIFIC LABORATORIES, INC., Monticello, N. Y.
Filed January 6, 1941. Serial No. 439,448. PUBLISHED MAY 27, 1941. Class 6.

389,385. CHEMICALS USED FOR IMPARTING ODOR OR COLOR TO PERFUMES OR PERFUMED PREPARATIONS. SYNFLEUR SCIENTIFIC LABORATORIES, INC., Monticello, N. Y.
Filed January 6, 1941. Serial No. 439,449. PUBLISHED MAY 20, 1941. Class 6.

389,386. PRINTED TRANSFERS USED IN TRANSPORTATION SYSTEMS AND SOLD AS SUCH. FRED P. HAMILTON, JR., Omaha, Nebr.
Filed January 13, 1941. Serial No. 439,618. PUBLISHED MAY 20, 1941. Class 38.

389,387. STAIN AND FILLER FOR WOOD FLOORS AND THE LIKE. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed January 15, 1941. Serial No. 439,710. PUBLISHED APRIL 1, 1941. Class 16.

389,388. GASOLINE, LUBRICATING OILS AND GREASES. THE GLOBE OIL & REFINING COMPANY, Wichita, Kans.
Filed January 16, 1941. Serial No. 439,717. PUBLISHED MAY 13, 1941. Class 15.

389,389. POULTRY LITTER. COOPERATIVE G. L. F. SOIL BUILDING SERVICE, INC., Ithaca, N. Y.
Filed January 18, 1941. Serial No. 439,771. PUBLISHED MAY 27, 1941. Class 1.

389,390. ATTACHMENTS IN THE NATURE OF A COUPLER FOR USE IN CONNECTION WITH VACUUM CLEANERS. EUREKA VACUUM CLEANER COMPANY, Detroit, Mich.
Filed January 21, 1941. Serial No. 439,807. PUBLISHED MAY 27, 1941. Class 23.

389,391. PERIODICAL PUBLICATION. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed January 22, 1941. Serial No. 439,861. PUBLISHED MAY 13, 1941. Class 38.

389,392. MEN'S AND BOYS' WEARING APPAREL—NAMELY, HATS, DRESS AND SPORT SHIRTS, PAJAMAS, ETC. JACK DIAMOND, Brooklyn, N. Y.
Filed January 23, 1941. Serial No. 439,889. PUBLISHED MAY 27, 1941. Class 39.

389,393. COMBINATION BATTERY CHARGING AND TESTING APPARATUS. MERCURY BATTERY CHARGER & TESTER CORP., Kansas City, Mo., assignor to The Mercury Corporation.
Filed January 27, 1941. Serial No. 440,013. PUBLISHED MAY 27, 1941. Class 26.

389,394. LADIES' AND MISSES' SPORTSWEAR—NAMELY, JACKETS, COATS, BLOUSES, CULOTTES, SKIRTS, AND SLACKS. RUDLEY SPORTSWEAR INCORPORATED, New York, N. Y.
Filed January 31, 1941. Serial No. 440,177. PUBLISHED MAY 20, 1941. Class 39.

389,395. HEADING FOR NEWSPAPER ARTICLES. FREDERICK C. RUSSELL, West Hartford, Conn.
Filed January 31, 1941. Serial No. 440,178. PUBLISHED MAY 20, 1941. Class 38.

389,396. ARCHITECTURAL AND ENGINEERING PRINTS, DRAWINGS AND COMPUTATIONS. AMERICAN DIAGRID CORPORATION, Dover, Del.
Filed February 1, 1941. Serial No. 440,185. PUBLISHED MAY 27, 1941. Class 38.

389,397. WIRE ROPE AND WIRE ROPE CABLES. UNION WIRE ROPE CORPORATION, Kansas City, Mo.
Filed February 1, 1941. Serial No. 440,228. PUBLISHED MAY 27, 1941. Class 7.

389,398. CHEMICAL COMPOSITION EFFECTIVE TO REDUCE THE VISCOSITY OF HEAVY OILS. STANDARD CHEMICAL COMPANY, Natick, Mass.
Filed February 5, 1941. Serial No. 440,346. PUBLISHED MAY 27, 1941. Class 6.

389,399. INTERNAL COMBUSTION ENGINES, PARTS FOR INTERNAL COMBUSTION ENGINES, ETC. PACKARD MOTOR CAR COMPANY, Detroit, Mich.
Filed February 6, 1941. Serial No. 440,377. PUBLISHED MAY 27, 1941. Class 23.

389,400. SERIES OF CARTOONS. TRIBUNE COMPANY, Chicago, Ill.
Filed February 8, 1941. Serial No. 440,477. PUBLISHED MAY 20, 1941. Class 38.

389,401. HAND LUGGAGE AND TRUNKS. WHEARY TRUNK COMPANY, Racine, Wis.
Filed February 8, 1941. Serial No. 440,480. PUBLISHED MAY 27, 1941. Class 3.

389,402. HAND LUGGAGE AND TRUNKS. WHEARY TRUNK COMPANY, Racine, Wis.
Filed February 8, 1941. Serial No. 440,481. PUBLISHED MAY 27, 1941. Class 3.

389,403. MAGAZINE PUBLISHED FROM TIME TO TIME. THE KINGSWAY PRESS, INC., New York N. Y., assignor to Yourself Publications, Inc., New York, N. Y.
Filed February 11, 1941. Serial No. 440,557. PUBLISHED MAY 20, 1941. Class 38.

389,404. KEROSENE FOR HEATING AND ILLUMINATION PURPOSES. THE NATIONAL REFINING COMPANY, Cleveland, Ohio.
Filed February 11, 1941. Serial No. 440,562. PUBLISHED MAY 27, 1941. Class 15.

389,405. PAPER BOXES, PAPER CUPS, PAPER PLATES, AND PAPER CASES FOR PREPARED FOODS, SUCH AS SOUFFLE. BESSIRE & COMPANY, INC., Indianapolis, Ind.
Filed February 14, 1941. Serial No. 440,641. PUBLISHED MAY 27, 1941. Class 2.

389,406. NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. COHN & ROSENBERGER INC., New York, N. Y.
Filed February 15, 1941. Serial No. 440,674. PUBLISHED MAY 27, 1941. Class 28.

389,407. APPARATUS DESIGNED TO ILLUSTRATE THE LAWS OF ECONOMICS BY PHYSICAL ANALOGIES. JAMES D. MOONEY, New York, N. Y.
Filed February 15, 1941. Serial No. 440,704. PUBLISHED MAY 27, 1941. Class 26.

389,408. SEMIREINFORCING FURNACE BLACK SOLD TO THE RUBBER INDUSTRY. BINNEY & SMITH COMPANY, New York, N. Y.
Filed February 18, 1941. Serial No. 440,738. PUBLISHED MAY 27, 1941. Class 6.

389,409. KNITTED OR NETTED TEXTILE FABRICS MADE OF COTTON, WOOL, SILK, AND/OR SYNTHETIC FIBROUS MATERIALS OR COMBINATIONS THEREOF, SUCH AS MAY BE USED IN MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, GLOVES, CAPS, JACKETS, SWEATERS, AND UNDERWEAR. AMERICAN ANODE INC., Wilmington, Del., and Akron, Ohio.
Filed February 19, 1941. Serial No. 440,770. PUBLISHED MAY 27, 1941. Class 42.

389,410. NECKTIES. HOEFLICH & SON NECKWEAR CO., INC., New York, N. Y.
Filed February 20, 1941. Serial No. 440,817. PUBLISHED MAY 27, 1941. Class 39.

389,411. BATHROOM WALL FIXTURES—NAMELY, SOAP TRAYS AND DISHES, TUMBLER HOLDERS, TOOTH BRUSH HOLDERS, ETC. AMERICAN ENAMELED PRODUCTS COMPANY, Waukesha, Wis.
Filed February 21, 1941. Serial No. 440,846. PUBLISHED MAY 27, 1941. Class 13.

389,412. LIQUID AND PASTE WAX FOR FURNITURE, FLOORS, LINOLEUM, AND WOODWORK AND FURNITURE AND AUTOMOBILE POLISH. WESTERN PAINT & VARNISH COMPANY, Duluth, Minn.
Filed February 21, 1941. Serial No. 440,896. PUBLISHED MAY 20, 1941. Class 16.

389,413. COMBINATION CLEANING AND WAX POLISHING PREPARATION FOR AUTOMOBILES, AND ENAMELED AND PAINTED SURFACES. S. C. JOHNSON & SON, INC., Racine, Wis.
Filed February 24, 1941. Serial No. 440,940. PUBLISHED MAY 20, 1941. Class 16.

389,414. VOLATILE DILITANT AND ANTISPASMODIC PREPARATION FOR USE DURING MENSTRUAL PERIOD. M-DEX CORPORATION OF CALIFORNIA, Los Angeles, Calif.
Filed February 24, 1941. Serial No. 440,943. PUBLISHED MAY 27, 1941. Class 6.

389,415. PERIODICAL. MID-WEST COMMUNITY SALES SERVICE CO., Des Moines, Iowa.
Filed February 24, 1941. Serial No. 440,944. PUBLISHED MAY 20, 1941. Class 38.

389,416. COMBINED MAGNIFYING AND ILLUMINATING DEVICES FOR INSPECTING RELATIVELY SMALL OBJECTS AND FOR GENERAL INSPECTION WORK. THE EASTERN MACHINE SCREW CORPORATION, New Haven, Conn.
Filed February 25, 1941. Serial No. 440,979. PUBLISHED MAY 27, 1941. Class 26.

389,417. SAPONACEOUS OR NONSAPONACEOUS CLEANSING FILM FOR PERSONAL SANITATION AND OTHER INCIDENTAL USES. WILLIAM J. SCHEPP, doing business as Schepp Laboratories, East Paterson, N. J.
Filed February 26, 1941. Serial No. 440,998. PUBLISHED MAY 20, 1941. Class 4.

389,418. COATING MATERIALS IN THE NATURE OF BRUSHING AND SPRAYING PAINTS AND ENAMELS (BOTH CLEAR AND PIGMENTED) FOR THE FOLLOWING USES: DECORATIVE COATING, PROTECTIVE COATING, PRIMING, RUSTPROOFING, BONDING, SEALING, VEHICLE FOR METAL FLAKE (E. G. BRONZING). H. FORSBERG COMPANY, Cleveland, Ohio.
Filed February 26, 1941. Serial No. 441,016. PUBLISHED MAY 27, 1941. Class 16.

389,419. PERIODICAL. THE IRVING-CLOUD PUBLISHING CO., Chicago, Ill.
Filed February 26, 1941. Serial No. 441,022. PUBLISHED MAY 27, 1941. Class 38.

389,420. HEATPROOF PADS USED AS KITCHEN UTENSILS FOR POTS, PANS, ETC. MARTIN JANY, New York, N. Y.
Filed February 26, 1941. Serial No. 441,023. PUBLISHED MAY 27, 1941. Class 50.

389,421. SHEET TYPE WEATHERPROOF MATERIAL USED AS A PROTECTIVE COVERING AND DEVELOPED ESPECIALLY FOR PROTECTING CONCRETE DURING THE CURING PERIOD THEREOF. LOUISE K. LIPPERT, doing business as L. K. Lippert Equipment Company, Columbus, Ohio.
Filed February 27, 1941. Serial No. 441,055. PUBLISHED MAY 27, 1941. Class 12.

389,422. FACE PACKS FOR TOILET USE ALL CONTAINING YEAST. COSMETIC YEAST, LIMITED, London, England.
Filed February 28, 1941. Serial No. 441,085. PUBLISHED MAY 27, 1941. Class 6.

389,423. OINTMENT USED FOR A TREATMENT FOR PILES. EDWIN A. GRISWOLD, doing business as The Rite Products Co., Sonoma, Calif.
Filed February 28, 1941. Serial No. 441,092. PUBLISHED MAY 27, 1941. Class 6.

389,424. LAXATIVE. W. T. HANSON CO., Schenectady, N. Y.
Filed March 1, 1941. Serial No. 441,134. PUBLISHED MAY 27, 1941. Class 6.

389,425. SHOES PRINCIPALLY OF LEATHER, SHOES PRINCIPALLY OF FABRIC, AND SHOES OF A COMBINATION OF LEATHER AND FABRIC. GEO. E. KEITH COMPANY, Brockton, Mass.
Filed March 1, 1941. Serial No. 441,137. PUBLISHED MAY 27, 1941. Class 39.

389,426. PUTTYING AND CAULKING COMPOUNDS. THE PRESSTITE ENGINEERING COMPANY, St. Louis, Mo.
Filed March 3, 1941. Serial No. 441,176. PUBLISHED MAY 27, 1941. Class 12.

389,427. AGRICULTURAL PARASITICIDES. ATLAS POWDER COMPANY, Wilmington, Del.
Filed March 4, 1941. Serial No. 441,190. PUBLISHED MAY 20, 1941. Class 6.

389,428. ELECTRIC HEATER EMPLOYING INFRA RED LAMPS TO EVAPORATE SOLUTIONS, CHAR FILTER PAPERS, ETC. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa.
Filed March 4, 1941. Serial No. 441,198. PUBLISHED MAY 27, 1941. Class 21.

389,429. SWAGED METAL DENTURE BASES, AS WELL AS VARIOUS FORMS OF WIRES AND WIRE PRODUCTS, ETC. AUSTENAL LABORATORIES, INC., New York, N. Y.
Filed March 5, 1941. Serial No. 441,224. PUBLISHED MAY 27, 1941. Class 44.

389,430. COUGH SYRUP. NATIONAL PHARMACY COMPANY, San Francisco, Calif.
Filed March 5, 1941. Serial No. 441,251. PUBLISHED MAY 20, 1941. Class 6.

389,431. PERFUMES, TOILET WATERS, SACHETS, EAUX DE COLOGNE, TALCUM POWDER, FACE POWDER, BATH POWDER, FACE CREAMS, AND CLEANSING CREAMS. PARFUMS CHARBERT, INC., New York, N. Y.
Filed March 5, 1941. Serial No. 441,254. PUBLISHED MAY 20, 1941. Class 6.

389,432. OUTER SHIRTS. M. H. RAAB-MEYERHOFF CO., Philadelphia, Pa.
Filed March 5, 1941. Serial No. 441,255. PUBLISHED MAY 27, 1941. Class 39.

389,433. LUBRICATING OILS AND GREASES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed March 5, 1941. Serial No. 441,262. PUBLISHED MAY 27, 1941. Class 15.

389,434. ALCOHOL-TYPE SOLVENT PARTICULARLY DESIGNED TO FULFIL THE DE-ICING REQUIREMENTS FOR AVIATION CARBURETORS, PROPELLERS, AND WINDSHIELDS. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y.
Filed March 5, 1941. Serial No. 441,267. PUBLISHED MAY 20, 1941. Class 6.

389,435. PRODUCT USED IN THE TREATMENT OF HIGH BLOOD PRESSURE. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed March 6, 1941. Serial No. 441,286. PUBLISHED MAY 20, 1941. Class 6.

389,436. FEATURE COLUMN OR ARTICLE OF PERIODICALS OF REGULAR ISSUE INCLUDING DAILY NEWSPAPERS. DAN E. CLARK, II, doing business as Dan E. Clark II, and Associates, New York, N. Y.
Filed March 7, 1941. Serial No. 441,309. PUBLISHED MAY 20, 1941. Class 38.

389,437. LUBRICATING OILS. CONTINENTAL OIL COMPANY, Ponca City, Okla.
Filed March 7, 1941. Serial No. 441,310. PUBLISHED MAY 13, 1941. Class 15.

389,438. PERFUMES AND TOILET WATER. PARFUMS CIRO, INC., New York, N. Y.
Filed March 7, 1941. Serial No. 441,326. PUBLISHED MAY 20, 1941. Class 6.

389,439. MAGAZINE PUBLICATION. ALL AMERICAN COMICS, INC., New York, N. Y.
Filed March 8, 1941. Serial No. 441,341. PUBLISHED MAY 20, 1941. Class 38.

389,440. DRESSES FOR MISSES AND WOMEN. COLBY CLASSICS, INC., Boston, Mass.
Filed March 8, 1941. Serial No. 441,349. PUBLISHED MAY 27, 1941. Class 39.

389,441. VERMOUTH. EHRMAN BROS. HORN & CO., San Francisco, Calif.
Filed March 10, 1941. Serial No. 441,391. PUBLISHED MAY 27, 1941. Class 47.

389,442. SECTION IN A MAGAZINE. THE MEREDITH PUBLISHING COMPANY, Des Moines, Iowa.
Filed March 10, 1941. Serial No. 441,402. PUBLISHED MAY 20, 1941. Class 38.

389,443. SECTION IN A MAGAZINE. THE MEREDITH PUBLISHING COMPANY, Des Moines, Iowa.
Filed March 10, 1941. Serial No. 441,403. PUBLISHED MAY 20, 1941. Class 38.

389,444. SECTION IN A MAGAZINE. THE MEREDITH PUBLISHING COMPANY, Des Moines, Iowa.
Filed March 10, 1941. Serial No. 441,404. PUBLISHED MAY 20, 1941. Class 38.

389,445. PREPARATIONS USED IN THE TREATMENT OF COLDS. NYAL COMPANY, Detroit, Mich.
Filed March 10, 1941. Serial No. 441,408. PUBLISHED MAY 20, 1941. Class 6.

389,446. COMBINATION OF VITAMIN B COMPLEX WITH A DIASTATIC ENZYME FOR USE IN TREATMENT OF CERTAIN DIGESTIVE DISTURBANCES AND VITAMIN B DEFICIENCIES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed March 10, 1941. Serial No. 441,409. PUBLISHED MAY 20, 1941. Class 6.

389,447. GRANULATED SOAP. DR. W. J. ROSS COMPANY, Los Alamitos, Calif.
Filed March 10, 1941. Serial No. 441,414. PUBLISHED MAY 20, 1941. Class 4.

389,448. PREPARATION FOR USE AS A STIMULANT IN GASTROENTEROLOGICAL PRACTICE. THE HARROWER LABORATORY, INC., Glendale, Calif.
Filed March 11, 1941. Serial No. 441,434. PUBLISHED MAY 20, 1941. Class 6.

389,449. MEN'S SUMMER SUITS. RALEIGH HABERDASHER, Washington, D. C.
Filed March 11, 1941. Serial No. 441,445. PUBLISHED MAY 20, 1941. Class 39.

389,450. TONICS, ELIXIRS, PREPARATIONS FOR CORRECTION OF METABOLIC DEFICIENCIES, INCLUDING VITAMIN CONTAINING PREPARATIONS, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed March 11, 1941. Serial No. 441,448. PUBLISHED MAY 20, 1941. Class 6.

389,451. VITAMIN FORTIFIED YEAST CONCENTRATE. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed March 11, 1941. Serial No. 441,458. PUBLISHED MAY 20, 1941. Class 6.

389,452. NEWSPAPER AND MAGAZINE COLUMNS. MARTIN ANDERSEN, Orlando, Fla.
Filed March 12, 1941. Serial No. 441,462. PUBLISHED MAY 20, 1941. Class 38.

389,453. SWIM TRUNKS WITH ABDOMINAL ATHLETIC SUPPORTS. THE B. V. D. CORPORATION, Baltimore, Md.
Filed March 12, 1941. Serial No. 441,467. PUBLISHED MAY 20, 1941. Class 39.

389,454. BOOK PAPER IN ROLLS OR SHEETS. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed March 12, 1941. Serial No. 441,480. PUBLISHED MAY 27, 1941. Class 37.

389,455. COUGH MIXTURES. CAESAR A. STOPPELLI, doing business as Safe Drug Store, New York, N. Y.
Filed March 12, 1941. Serial No. 441,491. PUBLISHED MAY 27, 1941. Class 6.

389,456. HAIR DRESSING OR POMADE, TALCUM POWDER, SKIN BLEACH, BODY DEODORANT, FACE POWDER, VANISHING CREAM, AND PERFUME. T. A. MCCANE, doing business as Queen Ann Company, Atlanta, Ga.
Filed March 13, 1941. Serial No. 441,516. PUBLISHED MAY 27, 1941. Class 6.

389,457. PAPER REINFORCED WITH A FILM OF NON-FIBROUS ORGANIC MATERIAL. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y.
Filed March 13, 1941. Serial No. 441,524. PUBLISHED MAY 27, 1941. Class 37.

389,458. ASBESTOS PIPE COVERS, RIGID AND FLEXIBLE TYPES; ASBESTOS BLANKET OR SHEET INSULATION, ETC. UNION ASBESTOS & RUBBER COMPANY, Chicago, Ill.
Filed March 13, 1941. Serial No. 441,526. PUBLISHED MAY 27, 1941. Class 12.

389,459. PAPER TOWELS. INTERNATIONAL TISSUE CORP., New York, N. Y.
Filed March 14, 1941. Serial No. 441,540. PUBLISHED MAY 27, 1941. Class 37.

389,460. PLASTIC MONOLITHIC REFRACTORIES. THE M. W. KELLOGG COMPANY, Jersey City, N. J., and New York, N. Y.
Filed March 14, 1941. Serial No. 441,543. PUBLISHED MAY 20, 1941. Class 12.

389,461. SCALP STIMULANT, AFTER-SHAVE LOTION, AND EAU DE COLOGNE. LENTHERIC, INCORPORATED, New York, N. Y.
Filed March 14, 1941. Serial No. 441,545. PUBLISHED MAY 27, 1941. Class 6.

389,462. COSMETICS—NAMELY, COLD CREAM AND CLEANSING CREAM. LORR LABORATORIES, Paterson, N. J.
Filed March 15, 1941. Serial No. 441,580. PUBLISHED MAY 27, 1941. Class 6.

389,463. VISIBLE CARD INDEXES, CARD HOLDERS, BLANK AND PARTIALLY PRINTED INDEX CARDS, TITLE INSERTS, AND SIGNALS. REMINGTON RAND INC., Buffalo, N. Y.
Filed March 15, 1941. Serial No. 441,591. PUBLISHED MAY 27, 1941. Class 37.

389,464. CHEMOTHERAPEUTIC AGENT FOR USE IN TREATMENT OF HEMOLYTIC STREPTOCOCCIC AND OTHER BACTERIAL INFECTIONS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed March 17, 1941. Serial No. 441,626. PUBLISHED MAY 27, 1941. Class 6.

389,465. LUBRICATING OIL. THE PURE OIL COMPANY, Chicago, Ill.
Filed March 17, 1941. Serial No. 441,630. PUBLISHED MAY 13, 1941. Class 15.

389,466. LIQUID CHEMICAL COMPOSITION FOR DISSOLVING GUM AND REMOVING SOLID DEPOSITS FROM INTERNAL COMBUSTION ENGINES. THE PURE OIL COMPANY, Chicago, Ill.
Filed March 17, 1941. Serial No. 441,637. PUBLISHED MAY 27, 1941. Class 6.

389,467. TEETHERS, TEETHING RATTLERS, AND TEETHING NECKLACES. PAUL E. ALLEN, Skokie, Ill.
Filed March 18, 1941. Serial No. 441,660. PUBLISHED MAY 27, 1941. Class 44.

389,468. STERLING SILVER HOLLOW WARE AND TABLEWARE. THE ELLMORE SILVER COMPANY, INCORPORATED, Meriden, Conn.
Filed March 18, 1941. Serial No. 441,673. PUBLISHED MAY 27, 1941. Class 28.

389,469. FURNITURE PROVIDED WITH SPRINGS—NAMELY, COUCHES, CHAIRS, SEATS, AND CUSHIONS, MATTRESSES, BED DIVANS, COTS, AND BED SPRINGS. NO-SAG SPRING COMPANY, Detroit, Mich.
Filed March 18, 1941. Serial No. 441,683. PUBLISHED MAY 27, 1941. Class 32.

389,470. FINISH FOR HOSIERY AND OTHER TEXTILE MATERIALS. SPECIALTY PRODUCTS COMPANY, Jersey City, N. J.
Filed March 19, 1941. Serial No. 441,712. PUBLISHED MAY 27, 1941. Class 6.

389,471. WRAPPING PAPER. GRAHAM PAPER COMPANY, St. Louis, Mo.
Filed March 20, 1941. Serial No. 441,730. PUBLISHED MAY 27, 1941. Class 37.

389,472. BOND PAPER. HAMMERMILL PAPER COMPANY, Erie, Pa.
Filed March 20, 1941. Serial No. 441,733. PUBLISHED MAY 27, 1941. Class 37.

389,473. PREPARATION FOR THE TREATMENT OF COUGHS AND COLDS. JOSEPH G. MOSLEY, Monette, Ark.
Filed March 20, 1941. Serial No. 441,737. PUBLISHED MAY 27, 1941. Class 6.

389,474. HOSIERY. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn.
Filed March 20, 1941. Serial No. 441,750. PUBLISHED MAY 20, 1941. Class 39.

389,475. HOSIERY. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn.
Filed March 20, 1941. Serial No. 441,751. PUBLISHED MAY 20, 1941. Class 39.

389,476. WOMEN'S UNDERGARMENTS CONSISTING OF FOUNDATION GARMENTS, GIRDLES, CORSETS, AND BRASSIÈRES. VENUS FOUNDATION GARMENTS, INC., Chicago, Ill.
Filed March 20, 1941. Serial No. 441,752. PUBLISHED MAY 27, 1941. Class 39.

389,477. MEDICINAL PREPARATIONS INDICATED IN AND FOR THE TREATMENT OF ASTHMA, BRONCHITIS, COLDS, HAY FEVER, AND RELATED AFFECTIONS AND DISORDERS OF THE RESPIRATORY SYSTEM. RODRIGO JORDAN Y RAMOS, New York, N. Y.
Filed March 21, 1941. Serial No. 441,771. PUBLISHED MAY 27, 1941. Class 6.

389,478. AIRCRAFT NAVIGATIONAL INSTRUMENTS, AND PARTICULARLY COMPOSITE RADIO COMPASS AND DIRECTIONAL COMPASS INDICATORS. LEAR AVIA, INC., Dayton, Ohio.
Filed March 21, 1941. Serial No. 441,776. PUBLISHED MAY 27, 1941. Class 26.

389,479. MEDICINAL PREPARATION OF CALCIUM PANTOTHENATE WHICH IS USEFUL IN CASES OF CALCIUM PANTOTHENATE DEFICIENCY. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed March 21, 1941. Serial No. 441,777. PUBLISHED MAY 27, 1941. Class 6.

389,480. STRUCTURAL STEEL MEMBERS. THE CELOTEX CORPORATION, Chicago, Ill.
Filed March 22, 1941. Serial No. 441,809. PUBLISHED MAY 20, 1941. Class 12.

389,481. SLIDE RULES FOR USE IN CONNECTION WITH THE GROUPINGS OF VARIOUS TYPES OF CORSETS, COMBINATION CORSET BRASSIÈRES, GIRDLES, AND BRASSIÈRES. CHARIS CORPORATION, Allentown, Pa.
Filed March 22, 1941. Serial No. 441,810. PUBLISHED MAY 27, 1941. Class 26.

389,482. SELF-DISPOSING PAPER TOILET SEAT COVERS. CONSOLIDATED COVER CO., San Francisco, Calif.
Filed March 22, 1941. Serial No. 441,811. PUBLISHED MAY 27, 1941. Class 37.

389,483. INSECTICIDES. DERRIS, INC., New York, N. Y.
Filed March 22, 1941. Serial No. 441,812. PUBLISHED MAY 27, 1941. Class 6.

389,484. FLOOR WAX AND FURNITURE POLISH. DERRIS, INC., New York, N. Y.
Filed March 22, 1941. Serial No. 441,813. PUBLISHED MAY 20, 1941. Class 16.

389,485. HAIR DRESSING. ELIZABETH MAE HAMILTON, doing business as Betteen Preme-Sta Company, Atlantic City, N. J.
Filed March 22, 1941. Serial No. 441,821. PUBLISHED MAY 27, 1941. Class 6.

389,486. AMERICAN APERITIF WINE. LUCIEN ARDIN, INC., New York, N. Y.
Filed March 21, 1941. Serial No. 441,840. PUBLISHED MAY 27, 1941. Class 47.

389,487. AMERICAN VERMOUTH. LUCIEN ARDIN, INC., New York, N. Y.
Filed March 21, 1941. Serial No. 441,841. PUBLISHED MAY 27, 1941. Class 47.

389,488. AMERICAN VERMOUTH. LUCIEN ARDIN, INC., New York, N. Y.
Filed March 21, 1941. Serial No. 441,842. PUBLISHED MAY 27, 1941. Class 47.

389,489. TREATMENT FOR RELIEF OF EFFECTS OF ALCOHOL AND ALCOHOLIC TOXINS IN THE HUMAN BODY. THE B-P T COMPANY, INC., Los Angeles, Calif.
Filed March 24, 1941. Serial No. 441,849. PUBLISHED MAY 20, 1941. Class 6.

389,490. PAPER TOWELS. BEACH & ARTHUR PAPER CO., Indianapolis, Ind.
Filed March 24, 1941. Serial No. 441,850. PUBLISHED MAY 27, 1941. Class 37.

389,491. SOAP. CLAIRE MANUFACTURING COMPANY, also doing business as Claire Mfg. Co., Chicago, Ill.
Filed March 24, 1941. Serial No. 441,859. PUBLISHED MAY 20, 1941. Class 4.

389,492. ELECTRIC LIGHTING FIXTURES AND BULBS. FULL-O-LITE CORPORATION, Bloomfield, N. J.
Filed March 24, 1941. Serial No. 441,863. PUBLISHED MAY 27, 1941. Class 21.

389,493. MUSICAL INSTRUMENT PADS AND MORE PARTICULARLY VALVE PADS FOR MUSICAL INSTRUMENTS. H. & A. SELMER, INC., Elkhart, Ind.
Filed March 24, 1941. Serial No. 441,882. PUBLISHED MAY 27, 1941. Class 36.

389,494. ART NEEDLEWORK YARNS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed March 25, 1941. Serial No. 441,931. PUBLISHED MAY 20, 1941. Class 43.

389,495. PREPARATION FOR USE IN THE TREATMENT OF ANEMIA. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed March 25, 1941. Serial No. 441,933. PUBLISHED MAY 27, 1941. Class 6.

389,496. RUBBER HEELS AND SOLES. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 26, 1941. Serial No. 441,959. PUBLISHED MAY 27, 1941. Class 39.

389,497. WOMEN'S, MISSES', JUNIORS', AND CHILDREN'S DRESSES, SKIRTS, BLOUSES, PLAYSUITS, AND PINAFORES. LILLIAN KOLODNEY ABBOTT, New York, N. Y.
Filed March 27, 1941. Serial No. 441,987. PUBLISHED MAY 27, 1941. Class 39.

389,498. MEN'S HATS. ADAM HAT STORES, INC., New York, N. Y.
Filed March 27, 1941. Serial No. 441,988. PUBLISHED MAY 27, 1941. Class 39.

389,499. PAPER TOWELS. BAY WEST PAPER COMPANY, Green Bay, Wis.
Filed March 27, 1941. Serial No. 441,995. PUBLISHED MAY 27, 1941. Class 37.

389,500. MINERAL WAX FOR INDUSTRIAL PURPOSES. L. A. SALOMON & BRO., New York, N. Y.
Filed March 27, 1941. Serial No. 442,014. PUBLISHED MAY 27, 1941. Class 1.

389,501. COTTON PIECE GOODS. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed March 27, 1941. Serial No. 442,016. PUBLISHED MAY 27, 1941. Class 42.

389,502. BILLIARD TABLE CLOTH. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed March 31, 1941. Serial No. 442,104. PUBLISHED MAY 27, 1941. Class 42.

389,503. PNEUMATIC TIRES. THE GATES RUBBER COMPANY, Denver, Colo.
Filed March 31, 1941. Serial No. 442,121. PUBLISHED MAY 27, 1941. Class 35.

389,504. BRISTLES FOR THE MANUFACTURING OF BRUSHES OF ALL KINDS. MITSUI & CO., LTD., New York, N. Y.
Filed March 31, 1941. Serial No. 442,134. PUBLISHED MAY 27, 1941. Class 1.

389,505. ARTIFICIAL RESINS OF HIGH DIELECTRIC STRENGTH IN THE FORM OF MOLDINGS, CASTINGS, SHEETS, RODS, TUBES, PLATES, AND PARTICULATE SOLIDS SUITABLE FOR MOLDING OR EXTRUDING. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed March 31, 1941. Serial No. 442,135. PUBLISHED MAY 27, 1941. Class 1.

389,506. PNEUMATIC TIRES. NATIONAL TIRE STORES INC., Denver, Colo.
Filed March 31, 1941. Serial No. 442,137. PUBLISHED MAY 27, 1941. Class 35.

389,507. PHARMACEUTICAL OINTMENT WITH ANTISEPTIC PROPERTIES. JOHN H. WALLACE, JR., doing business as Wallace Laboratories, Jersey City, N. J.
Filed March 31, 1941. Serial No. 442,151. PUBLISHED MAY 20, 1941. Class 6.

389,508. PHARMACEUTICAL OINTMENT WITH ANTISEPTIC PROPERTIES. JOHN H. WALLACE, JR., doing business as Wallace Laboratories, Jersey City, N. J.
Filed March 31, 1941. Serial No. 442,152. PUBLISHED MAY 20, 1941. Class 6.

389,509. FOOT BUBBLE BATH PREPARATION. BELLIN'S WONDERSTOEN CO., INC., New York, N. Y.
Filed April 2, 1941. Serial No. 442,184. PUBLISHED MAY 20, 1941. Class 6.

389,510. TRIETHANOLAMINE, USABLE FOR VARIOUS PURPOSES SUCH AS A BEARD-SOFTENING INGREDIENT USED IN SHAVING CREAM. THE ARMAND COMPANY, Des Moines, Iowa.
Filed March 31, 1941. Serial No. 442,247. PUBLISHED MAY 20, 1941. Class 6.

389,511. SEDATIVES. H. G. KNOLL & CO., INC., New York, N. Y.
Filed April 4, 1941. Serial No. 442,267. PUBLISHED MAY 20, 1941. Class 6.

389,512. MATTRESSES. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed April 4, 1941. Serial No. 442,279. PUBLISHED MAY 27, 1941. Class 32.

389,513. VANITY CASES FOR COSMETICS MADE OF NONPRECIOUS METAL AND SOLD EMPTY. FRANK R. PRINA, New York, N. Y.
Filed April 4, 1941. Serial No. 442,281. PUBLISHED MAY 27, 1941. Class 2.

389,514. LADIES' AND MISSES' COATS, SUITS, DRESSES, BLOUSES, JACKETS, AND SKIRTS. BENKAIM STORES, Mount Carmel, Pa.
Filed April 5, 1941. Serial No. 442,301. PUBLISHED MAY 27, 1941. Class 39.

389,515. NONALCOHOLIC BEVERAGE AND SYRUPS FOR MAKING SAME. AARON LIBITZ, doing business as Metropolitan Extract Co., Los Angeles, Calif.
Filed April 8, 1941. Serial No. 442,397. PUBLISHED MAY 27, 1941. Class 45.

389,516. NAIL AND CUTICLE CREAM. ARTHUR TAUBE, Floral Park, N. Y.
Filed April 8, 1941. Serial No. 442,403. PUBLISHED MAY 20, 1941. Class 6.

389,517. PRODUCT FOR THE TREATMENT OF STREPTOCOCCIC, PNEUMOCOCCIC, STAPHYLOCOCCIC, AND RELATED INFECTIONS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed April 10, 1941. Serial No. 442,452. PUBLISHED MAY 27, 1941. Class 6.

389,518. ULTRA-VOILET RAY STERILIZING DEVICES. MANUEL M. SHAPIRO, doing business as Ster-o-ped Company, Beverly Hills, Calif.
Filed April 14, 1941. Serial No. 442,569. PUBLISHED MAY 27, 1941. Class 44.

389,519. MATTRESSES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed April 15, 1941. Serial No. 442,608. PUBLISHED MAY 27, 1941. Class 32.

389,520. ANTISEPTIC BABY OIL, ATHLETIC LINIMENT, ANTACID POWDER, SODIUM BICARBONATE TABLETS, ETC. GOLDSMITH BROS., New York, N. Y.
Filed April 18, 1941. Serial No. 442,701. PUBLISHED MAY 27, 1941. Class 6.

389,521. TOILET WATER, EAU DE COLOGNE, PERFUMES, SACHETS, BATH SALTS, BATH OILS, ETC. FRANZ KOENIGSBERGER, doing business as Kinghill Laboratories, New York, N. Y.
Filed April 18, 1941. Serial No. 442,712. PUBLISHED MAY 27, 1941. Class 6.

389,522. ANTIMONY OXIDE. TEXAS MINING & SMELTING COMPANY, Laredo, Tex.
Filed April 18, 1941. Serial No. 442,735. PUBLISHED MAY 27, 1941. Class 6.

389,523. RESPIRATORS AND PARTS THEREFOR. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed April 21, 1941. Serial No. 442,768. PUBLISHED MAY 27, 1941. Class 44.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

389,524. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SAMUEL BERSHIN, doing business as Akron Bottling Works Co., Akron, Ohio. Filed July 6, 1939. Serial No. 421,299.

Druggist Quality

FOR GINGER ALE, LITHIATED SPARKLING WATER, LIME RICKY, AND MALTLESS NONALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS.
Claims use since June, 1935.

389,525. (CLASS 37. PAPER AND STATIONERY.) THE SANITARY PAPER MILLS, INC., Burnside, Conn. Filed Sept. 27, 1939. Serial No. 423,986.

PLYMOUTH

FOR CLEANSING OR FACIAL TISSUES.
Claims use since Sept. 15, 1939.

389,526. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BILGRAM GEAR & MACHINE WORKS, Philadelphia, Pa. Filed Jan. 26, 1940. Serial No. 427,874.

BILGRAM

FOR GEARS AND MACHINERY.
Claims use since Dec. 7, 1939.

389,527. (CLASS 38. PRINTS AND PUBLICATIONS.) THE WHITEHALL LETTER INC., Washington, D. C., and Alexandria, Va. Filed Apr. 15, 1940. Serial No. 430,818.

THE WHITEHALL LETTER

FOR A PUBLICATION IN THE NATURE OF A NEWS BULLETIN PUBLISHED WEEKLY.
Claims use since July 5, 1939.

389,528. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) MAX BRESSLER, Chicago, Ill. Filed May 8, 1940. Serial No. 431,674.

HAMILTON PIPE

FOR PIPES.
Claims use since May 1, 1940.

389,529. (CLASS 14. METALS AND METAL CASTINGS, AND FORGINGS.) M. SWIFT & SONS, INC., Hartford, Conn. Filed May 13, 1940. Serial No. 431,890.

thinleaf

FOR GOLD LEAF, METAL LEAF, AND METAL FOIL.
Claims use since Mar. 1, 1940.

389,530. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NUTONE CHIMES, INC., Cincinnati, Ohio. Filed May 27, 1940. Serial No. 432,404.

Repeata-Tone

FOR ELECTRIC CHIMES, DOOR SIGNALS AND INTER-OFFICE SIGNALING DEVICES.
Claims use since May 13, 1940.

389,531. (CLASS 15. OILS AND GREASES.) HOWARD R. DRULLARD, San Francisco, Calif. Filed June 1, 1940. Serial No. 432,574.

LEAD-COTE

FOR GEAR GREASE.
Claims use since May 21, 1940.

389,532. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed June 7, 1940. Serial No. 432,763.

ELECTRO-HEMOMETER

FOR INSTRUMENT TO DETERMINE BY ELECTRICAL MEANS THE HEMOGLOBIN CONTENT OF BLOOD.
Claims use since May 28, 1940.

389,533. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DRAPER BROTHERS COMPANY, Canton, Mass. Filed June 20, 1940. Serial No. 433,218.

INTERLOX SYSTEM

FOR KNITTED AND WOVEN FABRICS IN THE PIECE MADE FROM ANIMAL, VEGETABLE AND/OR SYNTHETIC FIBERS.
Claims use since June 7, 1940.

389,534. (CLASS 13. HARDWARE AND PLUMBING AND STEAMFITTING SUPPLIES.) PARA MANUFACTURING CO., INC., Newark, N. J. Filed July 30, 1940. Serial No. 434,500.

"Plasticote"

FOR SHOWER BATH CURTAINS AND MATCHING WINDOW DRAPES AND SHOWER CURTAINS SOLD TOGETHER AS A UNIT.
Claims use since June 19, 1940.

389,535. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ARROW MATCH CORPORATION, Chicago, Ill. Filed Aug. 8, 1940. Serial No. 434,770.

DOUBL' BOOK

FOR MATCH BOOKS.
Claims use since May 1, 1940.

389,536. (CLASS 2. RECEPTACLES.) A. HAMMER COOPERAGE CORPORATION, New York, N. Y. Filed Aug. 26, 1940. Serial No. 435,392.

"ICESAVER"

FOR ICE CONTAINERS AND/OR ICE RECEPTACLES, ESPECIALLY SMALL WOODEN RECEPTACLES IN THE SHAPE OF A HALF BARREL OR KEG AND REINFORCED WITH METAL BANDS.
Claims use since June 1, 1940.

389,537. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SWEDISH STEEL MILLS' A. A. INCORPORATED, New York, N. Y. Filed Oct. 25, 1940. Serial No. 437,290.

FASTBOR

FOR ROLLED, DRAWN, AND FORGED IRON, AND STEEL, PARTICULARLY HOLLOW DRILL STEEL.
Claims use since June 1, 1940.

389,538. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BOARD OF CHRISTIAN EDUCATION OF THE PRESBYTERIAN CHURCH IN THE UNITED STATES OF AMERICA, Philadelphia, Pa. Filed Nov. 12, 1940. Serial No. 437,754.

THE WESTMINSTER PRESS

FOR BOOKS, HYMNALS, TEXTBOOKS, AND OTHER SIMILAR PRINTED PUBLICATIONS.
Claims use since 1897.

389,539. (CLASS 38. PRINTS AND PUBLICATIONS.) SALES MANAGEMENT, INC., New York, N. Y. Filed Nov. 14, 1940. Serial No. 437,884.

Sales Management

FOR MONTHLY PRINTED PERIODICAL OR TRADE PAPER.
Claims use since October, 1918.

389,540. (CLASS 38. PRINTS AND PUBLICATIONS.) KENNETH MCGAW, Chicago, Ill. Filed Dec. 17, 1940. Serial No. 438,953.

DR. BRUCE

FOR CARTOON STRIPS AND SCRIPTS FOR A SERIES OF RADIO BROADCASTS, SUCH SCRIPTS SOLD AS A PUBLICATION IN TRADE.
Claims use since October 10, 1938.

389,541. (CLASS 37. PAPER AND STATIONERY.) WILLIAM H. SPENCER, doing business as Alliance Rubber Company, Alliance, Ohio. Filed Jan. 7, 1941. Serial No. 439,476.

ARCO

FOR RUBBER BANDS.
Claims use since 1937.

389,542. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KLINKER MANUFACTURING COMPANY, Cleveland, Ohio. Filed Feb. 14, 1941. Serial No. 440,656.

Stratford

FOR COSMETICS—NAMELY, FACE POWDER, ROUGE, LIP STICK, CLEANSING CREAM, OVERNITE CREAM, EMOLLIENT CREAM, HAND CREAM, FOUNDATION CREAM, HAND LOTION, LATHER SHAMPOO, SKIN FRESHENING ASTRINGENT, POWDER FOUNDATION, BRILLIANTINE AND CREAM AND LIQUID DEODORANTS.
Claims use since October, 1939.

389,543. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LUMMUS COTTON GIN COMPANY, Columbus, Ga. Filed Apr. 12, 1941. Serial No. 442,534.

DOUBLE MOTING

FOR COTTON GINS.
Claims use since Mar. 26, 1940.

TRADE-MARK REGISTRATIONS RENEWED

20,135. **RED CRESCENT.** COMPOSITION PACKING. Registered September 15, 1891. REVERE RUBBER COMPANY, Boston, Mass. Re-renewed September 15, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

140,399. **EXACT.** WHIP-POWDER. Registered March 15, 1921. HIRSCH BROTHERS CO. INC. Renewed March 15, 1941, to L. Karp & Sons, Inc., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

141,546. **AIRCRAFT.** COTTON YARNS. Registered April 26, 1921. THE FINE COTTON SPINNERS AND DOUBLERS' ASSOCIATION, LIMITED, Manchester, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed April 26, 1941.

143,957. **GOODRICH.** THREAD MADE OF RUBBER. Registered June 21, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed June 21, 1941.

144,174. **TURF.** CIGARETTES. Registered June 28, 1921. ALEXANDER BOGUSLAVSKY, LTD. Renewed June 28, 1941, to Carreras Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

144,219. **GOODRICH.** CERTAIN NAMED DENTAL, MEDICAL, AND SURGICAL APPLIANCES MADE WHOLLY OR PARTLY OF RUBBER. Registered June 28, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed June 28, 1941.

144,426. **LAS-STIK.** FABRIC AND RUBBER REPAIR PATCHES. Registered July 5, 1921. LAS-STIK PATCH MFG. CO. Renewed July 5, 1941, to The Las-Stik Mfg. Co., Hamilton, Ohio, a corporation of Ohio, assignee.

144,753. **EDWARDS E.** OLIVES, CATSUP, SALAD-DRESSING, CHILLI, MUSTARD, PEANUT-BUTTER, FRUIT PRESERVES, HONEY, AND MAPLE-SYRUP. Registered July 19, 1921. THE WILLIAM EDWARDS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed July 19, 1941.

144,768. **F C C.** CHAINS FOR PERSONAL ADORNMENT WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL. Registered July 19, 1921. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Renewed July 19, 1941.

144,958. **RAYNGARD.** WATERPROOF AND WEATHER-PROOF COATS. Registered July 19, 1921. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Renewed July 19, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey.

145,052. **KOTOLITH.** PAPER FOR POSTER AND LABEL WORK. Registered July 26, 1921. J. W. BUTLER PAPER COMPANY. Renewed July 26, 1941, to Butler Paper Corporations, Chicago, Ill., a corporation of Illinois, assignee.

145,055. **FINETEX.** BRISTOL-BOARD. Registered July 26, 1921. J. W. BUTLER PAPER COMPANY. Renewed July 26, 1941, to Butler Paper Corporations, Chicago, Ill., a corporation of Illinois, assignee.

145,109. **STRONGHEART.** VEHICLE-TIRES MADE OF RUBBER. Registered July 26, 1921. THE HARTFORD RUBBER WORKS COMPANY, Hartford, Conn. Renewed July 26, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee.

145,186. **GRANITE.** VEHICLE-TIRES MADE OF RUBBER. Registered July 26, 1921. REVERE RUBBER COMPANY, Providence, R. I. Renewed July 26, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee.

145,191. **TREASURE.** CERTAIN NAMED FLAT AND HOLLOW WARE AND JEWELRY. Registered July 26, 1921. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass., a corporation of Massachusetts. Renewed July 26, 1941.

145,655. **DU PONT DYESTUFFS.** DYESTUFFS. Registered August 16, 1921. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed August 16, 1941.

145,661. **LA VERNE.** CORSETS, BRASSIÈRES, AND LADIES' AND MISSES' UNDERGARMENTS. Registered August 16, 1921. THE FAMOUS, Braddock, Pa., a firm. Renewed August 16, 1941.

145,701. **J S.** CERTAIN NAMED CHEMICAL SUBSTANCES. Registered August 16, 1921. JOHNSON & SONS, MANUFACTURING CHEMISTS, LIMITED, London, England, an organized company of Great Britain. Renewed August 16, 1941.

145,702. **ACTIVOL.** PHOTOGRAPHIC DEVELOPERS. Registered August 16, 1921. JOHNSON & SONS, MANUFACTURING CHEMISTS, LIMITED, London, England, an organized company of Great Britain. Renewed August 16, 1941.

145,795. **REVERE.** VEHICLE-TIRES MADE OF RUBBER. Registered August 16, 1921. REVERE RUBBER COMPANY, Providence, R. I. Renewed August 16, 1941, to United States Rubber Company, New York, N. Y., a corporation of New Jersey, assignee.

145,826. **3.X BEAVER.** SOFT AND STIFF FELT HATS AND CAPS FOR MEN AND BOYS. Registered August 16, 1921. JOHN B. STETSON COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed August 16, 1941.

146,157. **AJAX.** HIGH-FREQUENCY ELECTRIC FURNACES AND PARTS THEREOF AND CERTAIN NAMED ASSOCIATED DEVICES. Registered September 6, 1921. AJAX ELECTROTHERMIC CORPORATION, Trenton, N. J., a corporation of New Jersey. Renewed September 6, 1941.

146,395. **STANDBY.** BARN-PAINT. Registered September 6, 1921. WADSWORTH-HOWLAND COMPANY. Renewed September 6, 1941, to Jewel Paint & Varnish Co., Chicago, Ill., a corporation of Illinois, assignee.

146,396. **CONQUEROR.** MIXED PAINT, VARNISH, ENAMEL FOR DECORATIVE PURPOSES, AND LIQUID WOOD-FILLER. Registered September 6, 1921. WADSWORTH-HOWLAND COMPANY. Renewed September 6, 1941, to Jewel Paint & Varnish Co., Chicago, Ill., a corporation of Illinois, assignee.

146,741. **BILAX.** PREPARATIONS FOR USE IN CONNECTION WITH THE DIGESTIVE DISORDERS. Registered September 20, 1921. FOSTER-MCCLELLAN Co., Buffalo, N. Y., and London, England. Renewed September 20, 1941, to Foster-McClellan Co., Buffalo, N. Y., a corporation of New York.

146,898. **SUPER SULPHUR.** A CERTAIN NAMED CHEMICAL COMPOUND. Registered September 20, 1921. R. T. VANDERBILT CO., INC., New York, N. Y., a corporation of New York. Renewed September 20, 1941.

146,970. **WINCARNIS.** NON-ALCOHOLIC, MALTLESS BEVERAGE. Registered September 27, 1921. COLEMAN & COMPANY LIMITED, Norwich, England, a British corporation. Renewed September 27, 1941.

147,261. **SWALLOW.** UNSWEETENED EVAPORATED MILK. Registered October 11, 1921. AMERICAN MILK PRODUCTS CORPORATION. Renewed October 11, 1941, to General Milk Company, Inc., New York, N. Y., a corporation of Delaware, by change of name.

147,262. **PEACOCK.** SWEETENED CONDENSED MILK. Registered October 11, 1921. AMERICAN MILK PRODUCTS CORPORATION. Renewed October 11, 1941, to General Milk Company, Inc., New York, N. Y., a corporation of Delaware, by change of name.

147,263. **PEONY.** UNSWEETENED EVAPORATED MILK. Registered October 11, 1921. AMERICAN MILK PRODUCTS CORPORATION. Renewed October 11, 1941, to General Milk Company, Inc., New York, N. Y., a corporation of Delaware, by change of name.

147,273. **MASTER.** SPECTACLES, EYEGLASSES AND OPHTHALMIC MOUNTINGS AND COMPONENT PARTS OF SUCH MOUNTINGS. Registered October 11, 1921. THE BISHOP COMPANY, INC., North Attleboro, Mass., a corporation of Massachusetts. Renewed October 11, 1941.

147,413. **ETCO.** HEEL AND ARCH CUSHIONS FOR SHOES. Registered October 11, 1921. GEORGE A. STETSON, Boston, Mass. Renewed October 11, 1941.

147,544. **THE ROYAL.** THERMOS-JACKETS, A FELT COVER FOR WATER HEATERS AND BOILERS TO CONSERVE HEAT. Registered October 25, 1921. BASTIAN-MORLEY CO. Renewed October 25, 1941, to Bastian-Morley Co., Inc., La Porte, Ind., a corporation of Indiana, by change of name.

147,606. **GF ALLSTEEL.** CERTAIN ARTICLES OF FURNITURE. Registered October 25, 1921. THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio, a corporation of Ohio. Renewed October 25, 1941.

147,785. **VANITAS.** CERTAIN NAMED TOILET PREPARATIONS. Registered November 1, 1921. THE KLINKER MANUFACTURING CO., doing business as Vanitas Co., Cleveland, Ohio, a corporation of Ohio. Renewed November 1, 1941.

148,556. **REGAL.** PAINT ENAMEL FOR DECORATIVE PURPOSES. Registered November 15, 1921. WADSWORTH-HOWLAND COMPANY. Renewed November 15, 1941, to Jewel Paint & Varnish Co., Chicago, Ill., a corporation of Illinois, assignee.

148,719. **BROMO SODA.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered November 22, 1921. WILLIAM R. WARNER & Co., INC., Wilmington, Del., New York, N. Y., and St. Louis, Mo. Renewed November 22, 1941, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware.

148,787. **THE ROYAL.** GAS WATER-HEATERS. Registered November 29, 1921. BASTIAN-MORLEY CO. Renewed November 29, 1941, to Bastian-Morley Co., Inc., La Porte, Ind., a corporation of Indiana, by change of name.

148,799. **CHITANCO.** LEATHERS. Registered November 29, 1921. CHICAGO-TANNING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 29, 1941.

148,956. **VULCAN SPECIAL.** TOOL-STEEL. Registered November 29, 1921. VULCAN CRUCIBLE STEEL COMPANY, Aliquippa, Pa., a corporation of Pennsylvania. Renewed November 29, 1941.

148,978. **CAMPEONA.** UNSWEETENED EVAPORATED MILK. Registered December 6, 1921. AMERICAN MILK PRODUCTS CORPORATION. Renewed December 6, 1941, to General Milk Company, Inc., New York, N. Y., a corporation of Delaware, by change of name.

148,980. **CHICKERING.** MUSICAL INSTRUMENTS, PARTICULARLY PIANOS, PLAYER-PIANOS, AND PARTS THEREOF. Registered December 6, 1921. AMERICAN PIANO COMPANY, Jersey City, N. J., and New York, N. Y. Renewed December 6, 1941, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

148,981. **KNABE.** MUSICAL INSTRUMENTS, PARTICULARLY PIANOS, PLAYER-PIANOS, AND PARTS THEREOF. Registered December 6, 1921. AMERICAN PIANO COMPANY, Jersey City, N. J., and New York, N. Y. Renewed December 6, 1941, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

149,032. **D B G.** CERTAIN GEARS AND DIFFERENTIAL-CASES FOR VEHICLE REAR AXLES. Registered December 6, 1921. DETROIT BEVEL GEAR COMPANY, Detroit, Mich., a corporation of Michigan. Renewed December 6, 1941.

149,043. **E-S CO.** CERTAIN NAMED PAPERS. Registered December 6, 1921. THE EDUCATIONAL SUPPLY COMPANY, Painesville, Ohio, a corporation of Ohio. Renewed December 6, 1941.

149,112. **HOMEWOOL.** YARNS. Registered December 6, 1921. HOME WOOLEN MILLS. Renewed December 6, 1941, to Horner Woolen Mills Company, Eaton Rapids, Mich., a corporation of Michigan, assignee.

149,113. **NUTFIELD.** CARBONATED SOFT DRINKS AND SYRUPS THEREFOR. Registered December 6, 1921. H. P. HOOD & SONS, INC., Boston, Mass. Renewed December 6, 1941, to H. P. Hood & Sons, Inc., Charlestown (Boston), Mass., a corporation of Massachusetts.

149,125. **OLD HONESTY.** BAKING-POWDER. Registered December 6, 1921. JOHNSON-APPLEBY COMPANY, Boston, Mass. Renewed December 6, 1941, to Johnson-Appleby Company, Cambridge, Mass., a corporation of Massachusetts.

149,130. **REPEAT.** WASHING COMPOUND. Registered December 6, 1921. THE W. A. KITTREDGE COMPANY, Tunkhannock, Pa., a corporation of Pennsylvania. Renewed December 6, 1941.

149,132. **BRO-KIN.** LEATHER BOOTS AND SHOES. Registered December 6, 1921. KNIPE BROS., INC., Haverhill, Mass., a corporation of Massachusetts. Renewed December 6, 1941.

149,142. **GRO CORD.** SOLES AND HEELS MADE OF A COMBINATION OF RUBBER AND FABRIC. Registered December 6, 1921. THE LIMA CORD SOLE & HEEL COMPANY, Lima, Ohio, a corporation of Ohio. Renewed December 6, 1941.

149,175. **RED SEAL.** BABY-PANTS. Registered December 6, 1921. MORRIS, MANN & REILLY. Renewed December 6, 1941, to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois, successor.

149,176. **RED SEAL.** BABY-PANTS. Registered December 6, 1921. MORRIS, MANN & REILLY. Renewed December 6, 1941, to Morris, Mann & Reilly, Inc., Chicago, Ill., a corporation of Illinois, successor.

149,277. **CHEROKEE CLAY.** CLAY USED AS A FILLER IN THE MANUFACTURE OF PAPER AND AS A COATING FOR WALL-PAPER. Registered December 6, 1921. R. T. VANDERBILT CO., INC., New York, N. Y., a corporation of New York. Renewed December 6, 1941.

149,365. **FARAMIL.** CORN-STARCH. Registered December 13, 1921. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed December 13, 1941.

149,384. **CHECKER.** SPAGHETTI, MACARONI, VERMICELLI, AND NOODLES. Registered December 13, 1921. GANDOLFO-GHIO MFG. CO. Renewed December 13, 1941, to Checker Food Products Company, St. Louis, Mo., a corporation of Missouri, by change of name.

149,430. **PRISCILLA WARE.** ALUMINUM COOKING UTENSILS, CONSISTING OF POTS, KETTLES, PANS, AND PLATES. Registered December 13, 1921. LEYSE ALUMINUM COMPANY, Kewaukee, Wis., a corporation of Wisconsin. Renewed December 13, 1941.

149,438. **CABOLITE.** VARNISH. Registered December 13, 1921. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y., a corporation of New York. Renewed December 13, 1941.

149,439. **UTILIVAR.** VARNISH. Registered December 13, 1921. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y., a corporation of New York. Renewed December 13, 1941.

149,440. **ZANZITE.** PAINT ENAMEL. Registered December 13, 1921. MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y., a corporation of New York. Renewed December 13, 1941.

149,483. **RELIANCE.** DRILL-RODS AND COLD-DRAWN STEEL. Registered December 13, 1921. PITTSBURGH TOOL STEEL WIRE COMPANY, Monaca, Pa., a corporation of Pennsylvania. Renewed December 13, 1941.

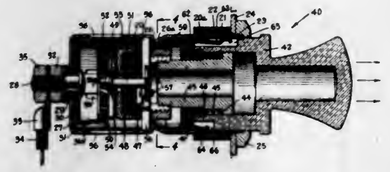
149,497. **JIM DANDY.** STATIONARY VULCANIZING PLANTS FOR REPAIRING AUTOMOBILE-TIRES. Registered December 13, 1921. SCHEFFER & ROSSUM CO., St. Paul, Minn., a corporation of Minnesota. Renewed December 13, 1941.

149,514. **MOHAWK.** WASHING-POWDER, LAUNDRY SOAP, AND SOAP CHIPS. Registered December 13, 1921. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed December 13, 1941.

REISSUES

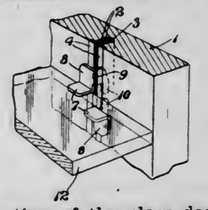
AUGUST 5, 1941

21,870
CIGAR LIGHTER
Herbert G. Lehmann, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Original No. 2,229,174, dated January 21, 1941, Serial No. 182,746, December 31, 1937. Application for reissue February 20, 1941, Serial No. 379,900
23 Claims. (Cl. 219—32)



21. In a cigar lighter having a holding device, an igniting unit mounted thereon and adapted to be completely withdrawn manually therefrom for use; a heating element carried by the igniting unit; a circuit including a normally open circuit-closing contact means carried by said igniting unit for energizing said heating element; and manually operable contact-actuating means mounted on said igniting unit for relative movement with respect thereto to actuate the contact means carried thereby to close said circuit incident only to movement thereof outwardly with respect to said unit in response to an outward force necessary to withdraw the igniting unit from the holding device being exerted thereon.

21,871
SHELF SUPPORT
Kenneth C. Welch, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Co., Grand Rapids, Mich., a corporation of Michigan
Original No. 2,208,234, dated July 16, 1940, Serial No. 276,655, May 31, 1939. Application for reissue February 19, 1941, Serial No. 379,736
10 Claims. (Cl. 248—243)



1. A construction of the class described comprising, a vertically positioned supporting member of channel form having vertical spaced apart sides, one of said sides having tongues struck therefrom upwardly and inwardly at an angle to the vertical, and the other of said sides having tongues struck therefrom downwardly and inwardly, whereby the tongues substantially engage against each other at adjacent sides, said tongues being spaced vertically in the length of the support, and a bracket of flat metal having a section to pass between two adjacent pairs of tongues, said section resting at its lower edge upon a lower tongue and having at its upper inner portion an upwardly extending finger located behind the upper tongues, and said bracket including a horizontal ledge extending away from the support, as specified.

PLANT PATENTS

GRANTED AUGUST 5, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

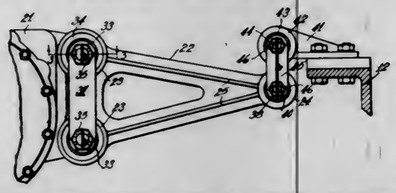
480
ROSE PLANT
Phillips H. Roland, Nahant, Mass., assignor to Thomas Roland, Inc., Nahant, Mass., a corporation of Massachusetts
Application September 21, 1940, Serial No. 357,798
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, characterized as to novelty by its similarity to the Talisman rose except as to the blossom, and as to the blossom by its unusual color combinations in the bud and full blown stages, substantially as shown and described.

PATENTS

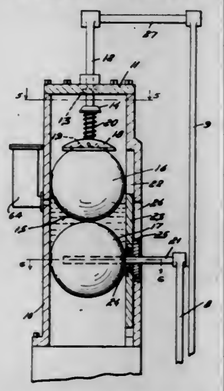
GRANTED AUGUST 5, 1941

2,251,258
AXLE-DRIVEN MECHANISM
Herbert W. Alden and Lawrence R. Buckendale, Detroit, Mich., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application September 20, 1939, Serial No. 295,842
6 Claims. (Cl. 105—132.1)



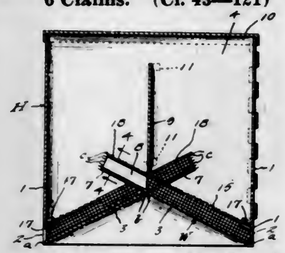
1. In combination with a vehicle framework and an axle-carried gear housing in which torque reactions are set up as the axle is rotated, mechanism for transmitting the torque reactions from the housing to the frame and comprising: a generally triangular member disposed in a substantially vertical plane and having two of its corners attached to the housing by a pair of horizontal pins surrounded by deformable bushings and having its third corner disposed in proximity to said framework, and means flexibly connecting said third corner to said framework.

2,251,259
PISTON AND CYLINDER CONSTRUCTION
Asa Bartholow Carmichael, Tujunga, Calif.
Application December 11, 1940, Serial No. 369,671
6 Claims. (Cl. 309—1)



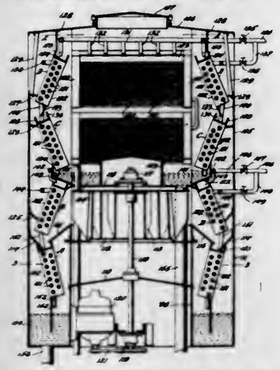
4. In combination, a cylinder, a piston assembly in the cylinder, said piston assembly consisting of a pair of vehicle coacting elements, and means for maintaining the vehicle bodies in definitely located position with respect to each other, said means consisting of a pitman in positive engagement with one of the vehicle bodies, a second pitman, a slide rod slidable into the cylinder and having an arm connected to the last mentioned pitman and a cap disposed over the remaining spherical body, said cylinder having a head through which the slide rod is disposed, and a yieldable valve on the slide rod adapted to seal said opening when the piston assembly rises in the cylinder.

2,251,260
INSECT TRAP
Bert C. Chappell, Kansas, City, Mo.
Application October 26, 1940, Serial No. 363,051
6 Claims. (Cl. 43—121)



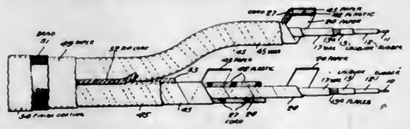
1. A trap comprising a housing having inlet slots at the lower portions of opposed walls, a bottom wall for the housing in the form of an inverted V, said bottom wall at its apex being provided with oppositely and outwardly disposed extensions, flattened entrances of screen material mounted upon the bottom wall at opposite sides of the apex, each of said entrances having its larger end open with a slot in one of the walls in communication therewith, the upper or smaller end of each entrance being provided with an extension overlying the adjacent extension of the bottom wall.

2,251,261
COOLING TOWER
Stewart C. Coey, Glen Ridge, N. J.
Original application December 28, 1936, Serial No. 117,996. Divided and this application October 8, 1937, Serial No. 168,103
3 Claims. (Cl. 257—54)



2. Cooling apparatus for liquids comprising a casing, heat-exchange means comprising vertically spaced elements within the casing, means for circulating a liquid through interior passages in said elements to move the liquid progressively in a general downward direction, means to move a stream of air in a generally upward direction over the exterior surfaces of said heat-exchange means, baffle means for deflecting said air stream alternately back and forth through superposed groups of said heat-exchange means as the air moves upwards, means for distributing water over said heat-exchange means adjacent the top thereof, and means for periodically redistributing the water as it flows downwards, said redistribution taking place at locations of reversal of direction of air flow over said heat-exchange means.

2,251,262
NONMETALLIC SHEATHED CONDUCTOR
Charles W. Abbott, Larchmont, N. Y.
Application August 3, 1940, Serial No. 350,194
23 Claims. (Cl. 174—116)



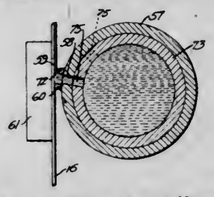
12. An insulated plural-conductor construction of the character described comprising an outer tearable sheath or jacket encasing a plurality of conductor structures each comprising a conductor having an insulating and protecting sheathing means that comprises a rib element of substantial thickness and of a material resistant to compression and extending helically and forming an open winding to provide a helical space of a depth commensurate with the thickness of the rib element and insulating and protective means accommodated in said helical space, the rib elements of said conductor structures and their respective insulating and protective means of said helical spaces coacting to resist diminution of the spacing between the axes of said conductor structures within said outer sheath and the valleys formed along said plurality of conductor structures being filled with suitable means including a cord element in at least one valley having substantial tensile strength, whereby it functions as a rip cord to rip lengthwise said outer sheath to expose the plurality of conductor structures, said rib element having a tensile strength so that it may be pulled at its end, upon exposure of the conductor structure, and remove from the latter said means initially accommodated in said helical space.

2,251,263
GRAFTING SUBSTANCE
George S. Avery, Jr., New London, Conn., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 28, 1937, Serial No. 166,234
3 Claims. (Cl. 47—6)



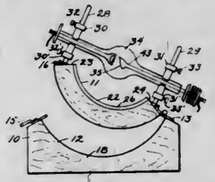
3. A graft-union promoting material comprising a mixture of a grafting wax and an isolated chemical compound selected from the group consisting of 3-indole acetic acid, indole propionic acid, indole butyric acid, and naphthalene acetic acid, said isolated chemical compound forming between $\frac{5}{1000}$ths and $\frac{3}{100}$ths per cent of the total weight of the said mixture.

2,251,264
MEANS OF COATING MATERIAL
Samuel H. Berch, Beverly Hills, and George Pieretti, Los Angeles, Calif.
Application August 9, 1938, Serial No. 223,832
5 Claims. (Cl. 91—43)



1. A device for applying a coating of liquid to the surface of an article which comprises a nozzle structure disposed transversely of the surface, said nozzle structure having a longitudinal slotted opening extending the width of the surface to be treated, the nozzle and the article having relative movement with each other whereby the liquid may be spread throughout the length of the article as said movement takes place, means for disposing the nozzle mouth at an angle to the surface to be treated and contacting therewith along the side from which the surface advances, whereby the effective opening of the nozzle may be varied to vary the thickness of the coating of liquid applied to the surface of the article, said angle of inclination extending from a point of contact between the nozzle and the surface along one side of the nozzle opening in an outwardly flaring direction whereby a V-shaped feed space will be formed, the outwardly flaring angle being on the side of the nozzle in the direction of the movement of the article with relation thereto, and means for varying said angle.

2,251,265
METHOD AND MEANS FOR TESTING X-RAY TUBES
Lawrence F. Black, Washington, D. C.
Application August 31, 1939, Serial No. 292,867
8 Claims. (Cl. 250—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

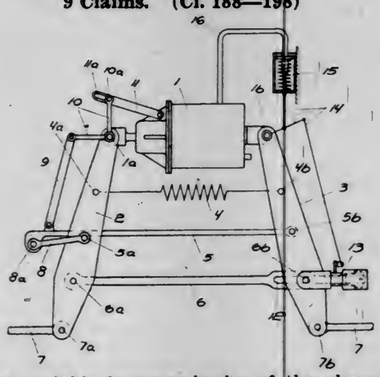


1. A testing device for X-ray tubes comprising a hollow boxlike casing formed of complementary sections composing a base and a lid, said casing having arcuately-shaped slotted openings between said sections, a concave arcuately-shaped grid concentrically arranged with respect to the curvature of said slotted openings and forming the top of said lid, means in connection with said lid for supporting an X-ray tube above said grid with its target at the center of curvature of said grid, and means for inclosing a film to slidably mount the same within said arcuate slots.

2,251,266
MAGNESIUM ALLOY
Arthur Burkhardt, Berlin-Lichterfelde, Richard Knabe, Berlin-Zehlendorf, and Karl Riederer, Munich, Germany, assignors to Georg Von Giesche's Erben, Breslau, Germany, a corporation of Germany
No Drawing. Application November 9, 1939, Serial No. 303,610. In Germany December 16, 1938
4 Claims. (Cl. 75—168)

1. A magnesium alloy containing 2 to 6% bismuth, 0.5 to 3% cadmium, 1 to 5% aluminium, 1 to 3.5% zinc, about 0.2 to 4% titanium, the remainder substantially all magnesium.

2,251,267
VARIABLE LEVERAGE BRAKE
Axel Georg Hjalmar Carlbom, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application April 4, 1940, Serial No. 327,925
In Germany April 4, 1939
9 Claims. (Cl. 188—198)



1. A variable leverage brake of the character described, comprising a brake actuator, a brake lever operable by said brake actuator, a lost motion tie rod connected to said brake lever in a point determining a relatively high leverage ratio, a device for reducing the lost motion of said tie rod for rendering it operative for supporting said brake lever in said high leverage point, means operable under the control of said brake actuator for setting said device into an active position for rendering said tie rod operative and out of such position for rendering said tie rod inoperative as soon as said brake actuator passes a predetermined position at application and release of the brake, respectively, and means movable under the control of said brake actuator into an active position for affording support to said brake lever in a point determining a relatively low leverage ratio as soon as said brake actuator reaches said predetermined position during release of the brake, and out of such position for depriving said brake lever of its support in said low leverage point as soon as said brake actuator reaches said predetermined position during application of the brake.

2,251,268
ARTICLE OF MANUFACTURE
Robert Arthur Clawson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 6, 1940, Serial No. 328,179
7 Claims. (Cl. 66—178)

1. A sheer, knit structure comprising knit loops which consist of mono-fils having a denier of between 5 and 30, a tenacity of at least 2 grams per denier, a modulus of elasticity not to

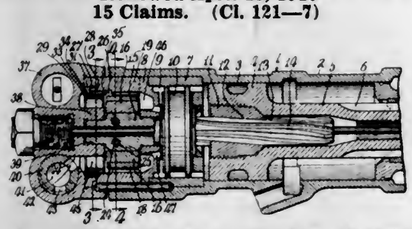


exceed 0.6, and a

$$\frac{\text{Tenacity}}{\text{Modulus of elasticity}}$$

factor of at least 6.

2,251,269
ROCK DRILL
John C. Curtis, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application February 6, 1939, Serial No. 254,876
Renewed April 18, 1940
15 Claims. (Cl. 121—7)

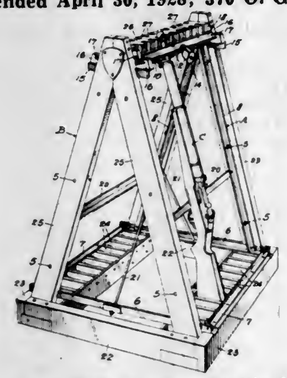


1. In a rock drill, in combination, a cylinder having a bore, a piston reciprocably mounted in said bore, a distribution valve for distributing pressure fluid to said cylinder bore to effect reciprocation of said piston, means for supplying pressure fluid to said distribution valve, a rotation mechanism comprising a rifle bar having a spiral grooves slidingly interlocked with said piston, a pawl carrying member formed on said rifle bar, a ratchet ring having ratchet teeth, pawls carried by said pawl carrying member and engaging the teeth of said ratchet ring to prevent rotation of said rifle bar in one direction, a control member mounted for movement relative to said ratchet ring and having control surfaces for engaging said pawls as the latter slip over the ratchet teeth to hold said pawls from engagement with said ratchet ring, means for actuating said control members to engage and hold said pawls as aforesaid including a pressure surface against which pressure fluid acts as it flows to said distribution valve, and valve means for controlling the flow of pressure fluid to said distribution valve.

2,251,270
CELLULOSIC SHEET MATERIAL AND PROCESS FOR MAKING THE SAME
Emil Czapek, Berlin, Germany, assignor to Guaranty Trust Company of New York, New York, N. Y., a banking corporation of New York
No Drawing. Application May 13, 1938, Serial No. 207,809. In Germany January 11, 1937
8 Claims. (Cl. 91—68)

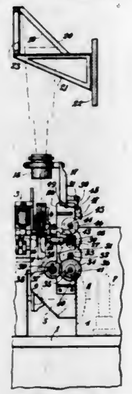
1. The process of manufacturing water-proof cellulose hydrate strips consisting in coating a sheet of regenerated cellulose with a water repellent layer which is formed by coating with an emulsion of urea formaldehyde resin, alkyd resin, organic solvents, and water, scraping off the excess emulsion, drying the cellulose so coated and finally heating the same for three minutes at a temperature of from two hundred to three hundred degrees centigrade.

2,251,271
GUNRACK
Angelo R. Del Campo, Jr., U. S. Army, San Antonio, Tex.
Application March 15, 1940, Serial No. 324,142
4 Claims. (Cl. 211—64)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



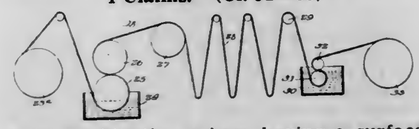
1. In a gun rack, a non-metallic frame comprising a base having oppositely disposed rows of sockets each adapted to receive the butt of a gun, converging uprights on opposite sides of the base, a rack bar connecting the converged ends of the uprights and having oppositely disposed rows of slots each adapted to receive the muzzle end of a gun, a similarly shaped metallic frame within the non-metallic frame and fixed thereto, said metallic frame including a metallic grating spaced from the rack bar and having slots corresponding to the slots of the rack bar, said grating positioned to be disposed between elements of the gun to prevent vertical displacement of the gun, a locking bar slidably mounted on each side of the grating in position to establish a closure for the slots of the grating, and bars fixed to the metallic frame in position to engage the trigger guard of the gun to prevent removal thereof.

2,251,272
TAPE CONTROLLING MEANS FOR NEWS PROJECTING MACHINES
James W. Decker, New York, N. Y.
Application February 10, 1928, Serial No. 253,302
22 Claims. (Cl. 178—42)



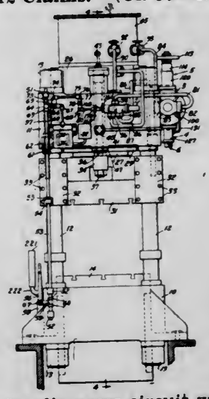
1. In a stock quotation projection machine having a ticker for intermittently discharging tape, the combination with a tape support having a light aperture, a tape drawing device for smoothly drawing the tape as it is discharged across said support, driving means for said tape drawing device, speed changing means supplemental to the inertia effect of the driving means, comprising a variable speed regulator and cooperating with the inertia effect of the driving means for gradually bringing said driving means to a stop when the discharge of the tape ceases and for gradually causing said driving means to pick up speed when the discharge of the tape again starts.

2,251,273
ADHESIVE SHEET AND METHOD OF MAKING THE SAME
Richard Gurley Drew, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application March 9, 1933, Serial No. 660,167
4 Claims. (Cl. 91—68)



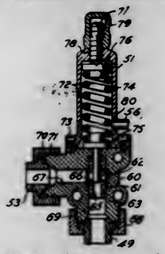
1. In combination a base having a surface, a coating formed on a surface of the base comprising a major proportion of rosin and a minor proportion of a substance from the group consisting of rubber and a coating comprising dominatingly nitrocellulose superimposed on said first mentioned coating.

2,251,274
PUMP CONTROL
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp., Inc., Wilmington, Del., a corporation of Delaware
Original application August 5, 1935, Serial No. 34,652, now Patent No. 2,190,939, dated February 20, 1940. Divided and this application July 30, 1936, Serial No. 93,465
12 Claims. (Cl. 60—52)



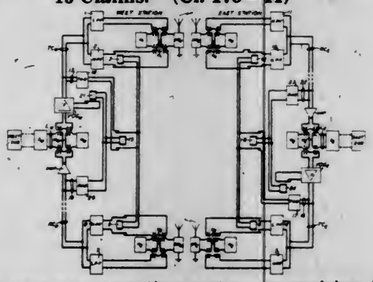
1. In a hydraulic press circuit with an electromagnetically-operated control valve, a variable delivery pump having a flow-controlling member in the pump, movable to regulate the delivery of the pump in response to the pressure in the hydraulic press circuit, and an electrical circuit-controlling device arranged to be operated by the motion of said flow-controlling member and connected to control the energization of the electromagnetically-operated control valve.

2,251,275
PRESSURE RELIEF VALVE
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp., Inc., Wilmington, Del., a corporation of Delaware
Original application September 16, 1936, Serial No. 101,110, now Patent No. 2,167,941, dated August 1, 1939. Divided and this application July 12, 1937, Serial No. 153,156
1 Claim. (Cl. 137—53)



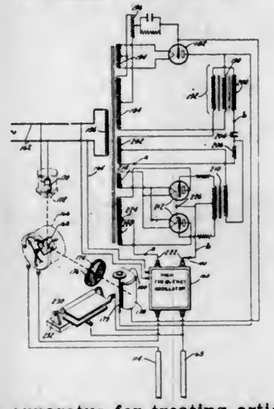
A pressure relief valve comprising a casing having a valve chamber with a valve inlet port and a valve outlet port at an angle to the valve inlet port, a valve rod with a plunger valve thereon arranged to slide across the valve outlet port and to open and close said port, a cylinder adjacent said valve chamber, a partition between said cylinder and said valve chamber having an aperture therethrough for the passage of said valve rod, an enlarged piston portion in said cylinder connected to said valve rod on the opposite side of said partition from said valve chamber, a spring in said cylinder confined between said enlarged piston portion and an adjustable abutment in said cylinder, said spring normally urging said valve portion to slide across and close said outlet port, said piston being responsive to pressure fluid entering into said cylinder through an opening therein for counteracting the yielding of said spring means to hold said valve portion in a closed position.

2,251,276
CIRCUITS FOR DIRECTIONALLY CONTROLLING SIGNAL TRANSMISSION IN TWO-WAY SIGNAL TRANSMISSION SYSTEMS
Harold J. Fisher, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 5, 1940, Serial No. 338,884
13 Claims. (Cl. 178—44)



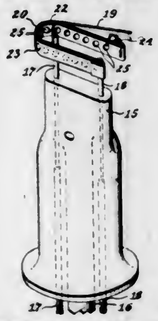
1. A two-way signaling system comprising terminals connected by a two-way transmission medium, means to condition the system to transmit between terminals in both directions only a limited portion of the signal frequency range, at substantially all times except when signal transmission over the system in one direction is initiated a given time before signal transmission in the opposite direction, and means operating for the latter condition of transmission to automatically increase the transmission frequency range over the system for said one direction only to include a substantially greater portion of the signal frequency range.

2,251,277
CONTROL APPARATUS FOR ELECTROSTATIC DRYING
George T. Hart, Jr., and Erastus E. Winkley, Lynn, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 24, 1939, Serial No. 252,605
10 Claims. (Cl. 219—47)



2. In an apparatus for treating articles, electrodes in association with which articles may be positioned, an oscillator for supplying high frequency current to said electrodes to produce an electrostatic field passing through the articles, means for indicating changes in the output of the oscillator, means for supplying current to the oscillator, and means, including a photoelectric cell, responsive to changes in said indicating device and arranged to control the input to the oscillator.

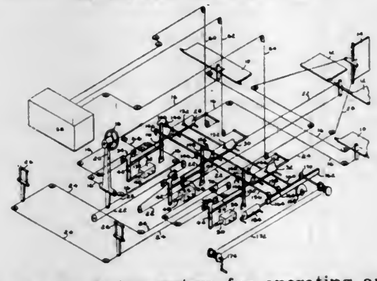
2,251,278
GASEOUS ELECTRIC RELAY TUBE
Robert Fred Hays, Jr., and Daniel S. Gustin, Bloomfield, and Walter E. Carpenter, West Caldwell, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1939, Serial No. 265,164
7 Claims. (Cl. 250—27.5)



1. A gaseous electric relay device comprising

an envelope provided with an ionizable medium therein and a pair of electrodes, one of which is a bimetallic electrode provided with an electron emissive material adapted to emit a copious flow of electrons, said electrodes being operable to initiate a glow discharge therebetween upon the application of a suitable potential thereto to cause heating of said bimetallic electrode with attendant deflection thereof into contact with the other of said electrodes to short-circuit the same and extinguish said discharge, and said bimetallic electrode having spaced concentrating means extending over substantially the entire surface thereof to cause concentration of heat thereat with attendant rapid heating of said bimetallic electrode.

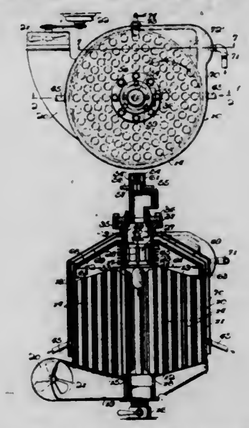
2,251,279
POWER TRANSMISSION
Frederick S. Hodgman, Glen Rock, N. J., and Raymond C. Griffith, Detroit, Mich., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 11, 1940, Serial No. 323,476
19 Claims. (Cl. 244—78)



7. A servomotor system for operating an aircraft control surface including a servomotor connected to operate the control surface, a manually shiftable governing member for imparting governing movements, a shiftable motor controller differentially connected for operation by the governing member and the control surface and arranged to selectively control the application of power from a suitable source to said motor with a predetermined ratio between movements of the governing member and movements of the control surface, and means associated with said controller to transmit to the control surface and in a different ratio force manually applied at the governing member.

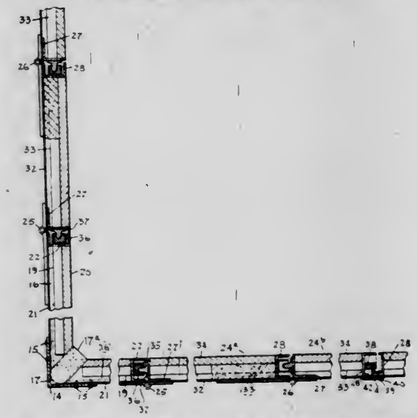
2,251,280
STEAM GENERATOR
Felix Holzknecht, Vancouver, British Columbia, Canada
Application April 13, 1939, Serial No. 267,649
2 Claims. (Cl. 122—115)

1. A steam generator comprising a boiler having side walls and a conically shaped lower head and a similarly shaped upwardly disposed upper head, a plurality of circumferentially spaced fire tubes connected between the upper and lower heads, said tubes being positioned to provide an unrestricted central area, water inlet means opening into the boiler, said upper and lower heads having an axial sleeve, a sump valve connected with the sleeve of the lower head, a steam outlet fitting connected with the sleeve of the upper head, a cap disposed above the upper head and connected with the walls of the boiler defining a combustion chamber, a plurality of annular fins on the sleeve of the upper head positioned within the combustion chamber, a second cap with depending walls spaced from the first cap to provide an outer casing surrounding the generator and defining an air space, the casing being open at the base to provide passage of air therearound, said combustion chamber having a tangentially positioned fuel port in the first cap in communication with the space defined



by the outer casing, a fuel burner operatively associated with the fuel port and said air space, an arcuate deflector plate in the combustion chamber whereby to deflect the flame from the burner circumferentially of the chamber, and an inductor blower operatively connected with the lower ends of the fire tubes whereby to draw the fire downwardly therethrough.

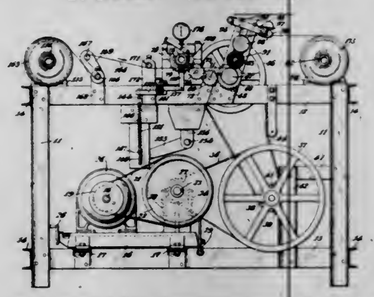
2,251,281
CONTAINER
Alexander Howie, Shaker Heights, Ohio
Application April 1, 1936, Serial No. 72,170
4 Claims. (Cl. 220—1.5)



2. In a container of the character described, a base, a plurality of upstanding wall units secured to said base, each unit being individually removable from said base and comprising an angle upright removably secured to the base at one corner thereof and wall panels secured to the legs of said angle upright, each of said panels comprising spaced inner and outer walls, a vertical member spaced from said angle upright, verti-

cally spaced reinforcing members extending from said angle upright to said vertical member, and insulating material between said walls.

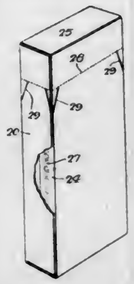
2,251,282
RIBBON FORMING MACHINE
John D. Huizeng, Ridgewood, N. J., assignor to Century Ribbon Mills Inc., New York, N. Y.
Application December 20, 1940, Serial No. 370,928
12 Claims. (Cl. 164—65)



12. In a device for severing a web of substantial width composed at least in part of thermoplastic material into a plurality of ribbons or strips of narrow width, a set of circular rotatable knife-edged cutting discs adjustably arranged along a common axis, means for heating said cutting discs, individual pressure rollers one associated with each of said cutting discs carried on individual arms pivotally and adjustably mounted on a common axis substantially parallel to the axes of said cutting discs, individual resilient means for biasing said arms to hold said pressure rollers in engagement with associated cutting discs, means for advancing the web to be severed relative to said pressure rollers and cutting discs and in a direction substantially perpendicular to the axes thereof, means comprising said pressure rollers for holding the web in knife edge engagement with said cutting discs whereby said discs perform a cutting action on said web and liquify the thermoplastic material adjacent the individual edges of the severed strips, means for rotating said discs at such a speed relative to the rate of advancement of said web that the engagement of said web with said discs is a rolling engagement, and means for pivoting the arms carrying said pressure rollers to move the same and said web out of severing engagement with said cutting discs irrespective of the operation of said web advancing means.

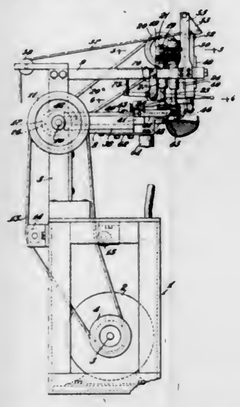
2,251,283
RECLOSABLE BOX
Edward W. Johnson, Chicago, Ill., assignor, by mesne assignments, to Chicago Carton Company, Chicago, Ill., a corporation of Delaware
Application November 30, 1936, Serial No. 113,459
Renewed September 28, 1939
9 Claims. (Cl. 229—37)

1. In a box which is of rectangular cross section, sealed closed and adapted to be opened by tearing the material of the box along predetermined lines, scoring extending around the box intermediate oppositely disposed walls, said scoring facilitating separation of the box into relatively independent parts, one constituting a receptacle and the other a flanged cover adapted to telescopically fit the open end portion of the receptacle to close the same, said receptacle part having fold lines extending downwardly from inwardly disposed points in the open-end edges of adjacent walls, said fold lines extending toward the corner formed by the walls having said fold lines and cooperating to form an inwardly



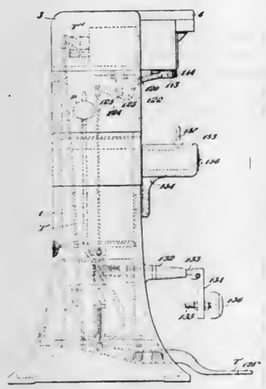
foldable corner portion, serving, when folded inwardly, to reduce the external size of the receptacle adjacent its open end, thereby to facilitate telescoping of said cover part externally on said receptacle part.

2,251,284
LASTING FOOTWEAR
Jacob S. Kamborian, West Newton, Mass., assignor to General Research, Inc., Boston, Mass., a corporation of Massachusetts
Application June 7, 1938, Serial No. 212,236
31 Claims. (Cl. 12—7)



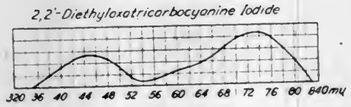
4. Shoe lasting apparatus comprising upper-gripping means constructed and arranged to seize a narrow area of the margin of the upper and to stress it in a direction substantially perpendicular to the bottom of the last thereby to stretch the upper snugly about the last, wiping means closely adjacent to but spaced from the gripping means, said wiping means being constructed and arranged to wipe a narrow area of the marginal material inwardly over the insole after said material has been stressed and released by the gripping means, trimming means operative to trim away surplus stock at the edge of the marginal material, the gripping means being designed to exert a work feeding stress concomitantly with its upper stretching action thereby progressively to move successive points in the margin of the upper past the trimming and wiping means, and means operative to actuate the trimming and wiping means.

2,251,285
LASTING MACHINE
Jacob S. Kamborian, West Newton, Mass., assignor to General Research, Inc., Boston, Mass., a corporation of Massachusetts
Application August 14, 1940, Serial No. 352,479
22 Claims. (Cl. 12—2)



14. A lasting machine comprising work-gripping and stressing rolls, in-wiping means, and fastener-inserting means, said fastener-inserting means comprising a reciprocating cross-head, a fastener-driving element fixed to one end of the cross-head, said driving element being designed to move in a path closely adjacent to the point at which the rolls grip the work, a fastener-forming element carried by the other end of the cross-head, a fastener-advancing element, and means carried by the cross-head for actuating said advancing element.

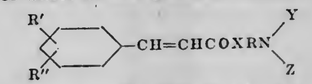
2,251,286
PROCESS OF PREPARING OXATRICARBOCYANINE DYES
Grafton H. Keyes, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 30, 1937, Serial No. 182,522
3 Claims. (Cl. 260—240)



1. A process for preparing a tricarbocyanine dye comprising reacting one molecular proportion of a hexatrienyl compound selected from the group consisting of 1-(6-acylarylamino-$\Delta^{1,3,5}$-hexatrienyl)-benzoxazole quaternary salts and μ-(6-acylarylamino-$\Delta^{1,3,5}$-hexatrienyl)-naphthoxazole quarternary salts with at least one molecular proportion of a quaternary salt selected from the group consisting of 1-methylbenzoxazole quaternary salts and μ-methylnaphthoxazole quaternary salts, in the presence of at least one molecular proportion of a strong organic base whose aqueous solution has a dissociation constant substantially greater than that of an aqueous solution of pyridine.

2,251,287
SUBSTITUTED CINNAMIC ACID ESTERS AND AMIDES
William A. Lott, East Orange, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application September 16, 1938, Serial No. 230,201
6 Claims. (Cl. 260—477)

1. Compounds selected from the group consisting of bases of the general formula



wherein R represents a member of the group consisting of alkylene and hydroxy-substituted alkylene, R′ and R″ represent a member of the group consisting of individual alkoxy radicals and joint —O—alkylene—O— radicals, X represents a member of the group consisting of —O— and —NH—, and Y and Z are each a member of the group consisting of alkyl and aralkyl; and the acid-addition salts thereof.

2,251,288
MANUFACTURE OF RESISTANT MATERIALS
Robert Wighton Moncrieff and Alfred Richmond, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 7, 1938, Serial No. 244,386. In Great Britain December 14, 1937
1 Claim. (Cl. 23—240)

A container suitable for the bulk storage of aqueous acetic acid, said container having an inner surface of wood coated with an acetate of cellulose of acetyl value not less than about 58% calculated as acetic acid.

2,251,289
METHOD OF ANNEALING STEEL
Peter Payson, New York, N. Y., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 8, 1938, Serial No. 244,587
3 Claims. (Cl. 148—21.5)

1. A method of annealing relatively high alloy steels containing upwards of about one and one-half percent of transformation retarding alloying elements other than carbon, which comprises: heating the steel to about 10° to 350° F. above its critical temperature, rapidly cooling the steel to the temperature range of about 10° to 150° F. below the critical and above a temperature of 1050° F., holding within said range until the austenite formed above the critical has been substantially converted into a relatively soft mixture of ferrite and carbides having a room temperature hardness of about 30 Rockwell "C" and under, and thereupon rapidly cooling said steel substantially to room temperature.

2,251,290
BOTTOM HOLE HYDROPNEUMATIC POWER UNIT
Warren B. Reed, New Orleans, La.
Application July 2, 1938, Serial No. 217,173
5 Claims. (Cl. 103—46)

1. A pump unit comprising, a well casing, a cylinder in said casing, a housing about said cylinder, a head in the upper end of said housing, a

recess in said housing head, an air vent through said head opening outwardly, a tubing extending to the surface and connecting at its lower end to said recess in said housing head, passages from said recess to said housing, a head in the lower end of said housing, said heads closing the ends of said cylinder openings above said head from said housing to the lower end of said cylinder, a



piston in said cylinder, a piston rod on said piston extending through said lower head, a tubing below said lower head, a pump plunger in said last mentioned tubing, a sucker rod connecting said plunger to said piston rod in said tubing, a packer about said tubing in the well casing, discharge outlets in said tubing above said packer, and means to raise and lower said piston at periodic intervals.

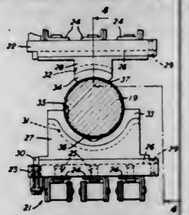
2,251,291

STRAND HANDLING APPARATUS

Lester O. Reichelt, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 10, 1940, Serial No. 352,054

10 Claims. (Cl. 254—135)



1. In apparatus of the general character described, a pair of opposed and mutually approximable gripping members for gripping therebetween a strand of any diameter between and including predetermined maximum and minimum values, each such gripping member having a strand gripping surface primarily cylindrically curved to fit a strand of maximum diameter.

2,251,292

PRODUCTION OF TETRAHYDROFURANES

Walter Reppe, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 4, 1938, Serial No. 233,247. In Germany October 29, 1937

3 Claims. (Cl. 260—345)

1. In the production of tetrahydrofuranes from 1.4-butylene-glycols the step which consists in heating a liquid 1.4-butylene-glycol in the presence of an oxygen acid of phosphorus selected from the group consisting of ortho-, pyro- and meta-phosphoric acid at a temperature suitable to produce a distilling mixture of tetrahydrofurane and water.

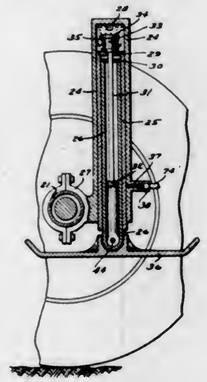
2,251,293

HYDRAULIC CAR LIFT

Joseph P. Schwartz, John P. McDonald, Stanley H. McDonald, and Thomas J. McDonald, St. Paul, Minn.

Application April 24, 1939, Serial No. 269,668

4 Claims. (Cl. 121—46)



1. A hydraulic jack involving a relatively fixed outer cylinder, an intermediate cylinder telescoped within said outer cylinder, an inner cylinder telescoped within said intermediate cylinder, said intermediate cylinder in its head having a valve seating port, a yieldingly retracted normally open valve for closing said valve seat, said valve having an axial stem extended through the head of said inner cylinder, said inner cylinder being operative on said stem to close said valve when said inner cylinder has been extended to a certain extent, and thereafter to cause further delivery of the liquid into said outer cylinder, to simultaneously move downward said intermediate and inner cylinders.

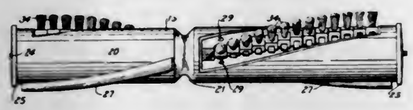
2,251,294

SUCTION CLEANER

Charles L. Shank, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application November 28, 1938, Serial No. 242,713

9 Claims. (Cl. 15—6)



1. A rotary agitator for a suction cleaner comprising a brush unit including a helically arranged series of brush elements freely pivoted for limited arcuate movement upon arcuately spaced fixed axes extended parallel to each other and to the axis of agitator rotation.

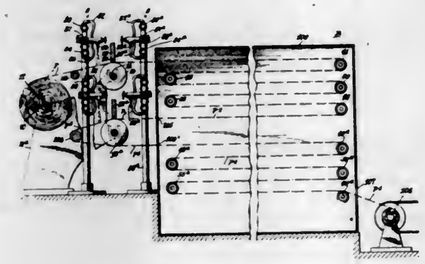
2,251,295

METHOD AND APPARATUS FOR COATING SHEET MATERIALS

Horace A. Sheesley, Portland, Maine, assignor to Tufide Products Corporation, Portland, Maine, a corporation of Maine

Application November 2, 1936, Serial No. 108,789

5 Claims. (Cl. 91—68)



1. The method of making coated sheet materials having waterproof and greaseproof characteristics which includes, providing a base sheet, preparing a coating compound by mixing latex, an aqueous solution of animal glue, a tanning agent and an alcohol, spraying a layer of the liquid or coating compound so formed onto one face of said base sheet, spreading said compound uniformly over said base sheet and simultaneously pressing the compound into the surface fibres of the base sheet to provide an impervious coating by wiping the coated face of the moving sheet into contact with a relatively rigid and stationary broad-edged element, and removing the liquid fugitive components from the body under treatment.

2,251,296

PAPER PRODUCT

Joseph H. Shipp, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 1, 1938, Serial No. 211,297

17 Claims. (Cl. 91—68)

1. In the manufacture of grease-proof paper the step of applying to the surface of a paper having a porosity not exceeding book paper, a solution of polyvinyl alcohol having an intrinsic viscosity, based on a 4% solution in water at 25° C., of from 10 to 100 centipoises.

2,251,297

SYNTHETIC RESIN AND PROCESS FOR MAKING THE SAME

Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application November 2, 1938, Serial No. 238,384

6 Claims. (Cl. 260—22)

1. A synthetic resin comprising the reaction product of a polyhydric alcohol, the adduct of maleic anhydride with an isoprene fraction containing up to 90% isoprene and derived from light oil obtained in the manufacture of combustible gas and in which fraction isoprene is the predominant diolefine constituent, and at least one of a group consisting of drying oil and drying oil acid.

2,251,298

SYNTHETIC RESIN AND PROCESS FOR MAKING THE SAME

Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application January 31, 1941, Serial No. 376,851

8 Claims. (Cl. 260—22)

1. A synthetic resin comprising the reaction product of a polyhydric alcohol, the adduct of maleic anhydride with a piperylene fraction containing up to approximately 90% piperylene and derived from light oil obtained in the manufacture of combustible gas and in which fraction piperylene is the predominant diolefine constituent, and at least one of a group consisting of drying oil and drying oil acid.

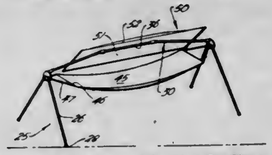
2,251,299

PORTABLE HAMMOCK ASSEMBLY

Eugene A. Spangler, Los Angeles, Calif.

Application January 16, 1939, Serial No. 251,091

5 Claims. (Cl. 5—130)



1. A hammock assembly including a pair of flat socket plates each having downwardly and outwardly diverging slots, a socket tube fitted in each slot and welded to the plate, a third socket tube having a beveled end and welded to the inner face of each of the plates thereby adapted to extend at an upward inclination as to the horizontal, a pair of legs for each socket plate and fitted in the first pair of socket tubes, a thrust bar assembly including two inclined end pieces, each fitted in the third socket tube, a center or horizontal section having a removable connection with the inclined end sections and means to suspend a hammock between the socket plates, the thrust bar assembly being adapted to resist the tension pull of the hammock and the weight of a person on the hammock.

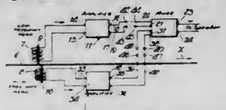
2,251,300

TELEGRAPHONE AND LIKE APPARATUS

Joseph Star, New York, N. Y., assignor to Radio Development and Research Corporation, New York, N. Y., a corporation

Application February 9, 1940, Serial No. 318,054

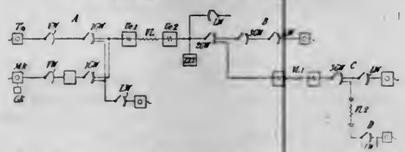
2 Claims. (Cl. 179—100.2)



1. A telegraphone reproducing system of the class described having two pick-up heads one being disposed on either side of a movable magnetizable material, a magnetic core securely affixed within each of the pick-up heads, said core adapted to protrude from the coil of each of said heads to engage the magnetizable material, one of said pick-up heads having a predetermined response characteristic adapted to be responsive to a given band of frequencies, the other of said pick-up heads having a response characteristic adapted to be responsive to a band of frequencies different from said first pick-up head, the out-

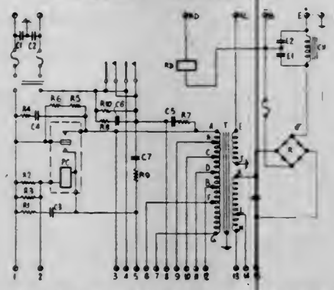
put of each of said pick-up heads going into the input of the mixing device, and a sound reproducing device connected to the output of the mixing device.

2,251,301
TELEPHONE SYSTEM
Kurt Sobotta and Hans J. Lurk, Berlin-Siemensstadt, Germany, assignors to Fides Gesellschaft für Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application December 29, 1939, Serial No. 311,438
In Germany November 4, 1938
6 Claims. (Cl. 179—6.31)



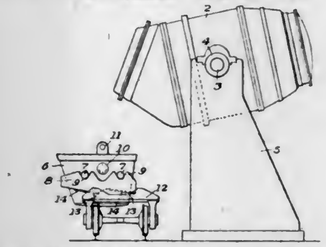
1. In a telephone system, wherein calls are extended from paystation telephones and regular telephones in one exchange to called lines in other exchanges, a time zone switch in one exchange operated in accordance with the value of a connection to transmit impulses back to the calling subscriber varying in number in accordance with the connection extended to assess a charge for the connection, means for causing said switch to function in one manner when called from a regular telephone and in a different manner to transmit impulses to the calling telephone while the connection is being extended to automatically control the collection of a plurality of coins thereat when called from a paystation telephone.

2,251,302
POWER SUPPLY ARRANGEMENT SUITABLE FOR USE IN TELEPHONE SYSTEMS
Rudolph Frank Stehlik, Antwerp, Belgium, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application September 12, 1938, Serial No. 229,487
In Great Britain September 21, 1937
3 Claims. (Cl. 179—77)



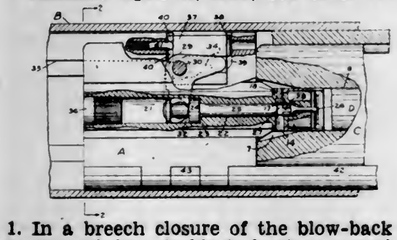
1. In a telephone system power supply unit, a transformer having a primary winding and secondary windings, a supply circuit adapted to be connected with a source of either direct or alternating current, circuit connections including at least a portion of said primary winding, a vibrator for alternately closing said circuit connections when the said supply circuit is connected to a source of direct current, and a terminal block whereby the said circuit connections may be altered to short circuit said vibrator when said supply circuit is connected to a source of alternating current, output terminals, a rectifier bridge, one of said secondary windings connected to a circuit including said rectifier bridge and a pair of said output terminals whereby the alternating current induced in said one secondary winding is rectified to thereby provide a source of direct current at said pair of output terminals for satisfactory operation of telephone equipment, said other secondary winding connected in circuit with another of said output terminals to provide a source of alternating current satisfactory as a ringing current supply for telephone equipment.

2,251,303
TREATING MOLTEN METAL
Edward B. Story, Bethel Township, Allegheny County, and Frederick W. White, New Brighton, Pa., assignors to A. M. Byers Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 24, 1940, Serial No. 315,298
11 Claims. (Cl. 75—60)



1. A method of treating molten ferrous metal comprising introducing the same into a converter, there refining the metal and bringing it to a final temperature not substantially greater than about 3200° F., moving a receiving receptacle toward the converter during discharging of the metal therefrom and relatively to the stream of discharged metal so that the metal can be discharged faster than would otherwise be possible and discharging the metal from the converter at such a speed as to eliminate or greatly reduce the building up of accretions commonly termed "kidneys" in the converter.

2,251,304
BREECH CLOSURE FOR GUNS
William Summerbell, Watervliet, N. Y.
Application July 13, 1939, Serial No. 284,254
6 Claims. (Cl. 89—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



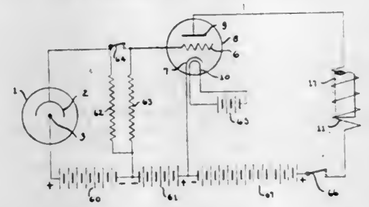
1. In a breech closure of the blow-back type, a reciprocal breech block having a projection adapted to enter a cartridge chamber of a barrel, a cartridge-engaging member on the projection, a pin operably engaging said member and projection to retain said member in place, a movable firing pin in the block retaining said retaining pin and a cocking and firing lever mounted in the block and engaging the firing pin.

2,251,305
TARGET BASEBALL
John P. Tarbox, Philadelphia, Pa.
Application May 27, 1937, Serial No. 145,119
9 Claims. (Cl. 273—102.2)



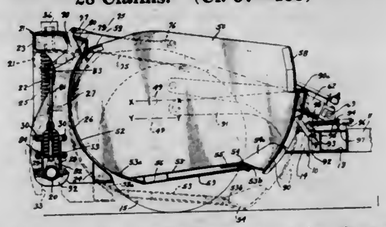
1. A ball-throwing game embodying means pre-establishing a plurality of similar paths for balls affording them the same general course of travel, and comprising a plurality of ball paths commonly in the course of a projected ball, a target comprising a unit target recess to receive and further a ball projected upon its course and commonly connected with said paths to direct it in common to but variably to different ones of said paths, a baseball runs display arranged with the base indications in numerical progression counterclockwise, and means operable from the coursing of the ball upon the paths respectively to operate the runs display to operate the said runs display in numerical succession of the bases counter-clockwise, in which game the target is in the form of a unit receptacle upon a vertically extending display board, and a baseball diamond display is mounted on said board surrounding said receptacle target and centered thereon whereby the receptacle receives pitched balls in the location of the pitcher's box.

2,251,306
LIGHT SENSITIVE CIRCUIT MEANS
Joseph J. Thompson, Battle Creek, Mich., assignor to Kellogg Company, Battle Creek, Mich., a corporation of Delaware
Original application November 15, 1938, Serial No. 240,595. Divided and this application April 17, 1939, Serial No. 268,352
4 Claims. (Cl. 250—41.5)



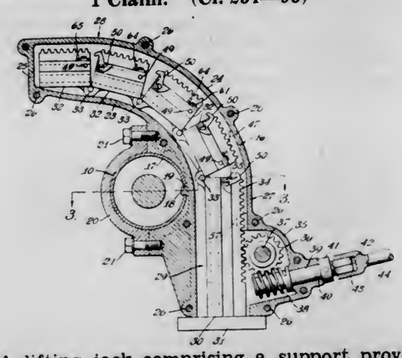
1. In combination, an amplifier having grid and plate circuits, a light sensitive device connected to said grid circuit, a relay in said plate circuit, direct current means for energizing the light sensitive device and for biasing the grid of the amplifier, direct current means for energizing said plate circuit, a control relay in said plate circuit, and a switch mechanism for periodically interrupting said grid and plate circuits.

2,251,307
SCRAPER
Harry H. Washbond, Springfield, Ill., assignor to Baker Manufacturing Co., Springfield, Ill., a corporation of Illinois
Application August 1, 1938, Serial No. 222,323
28 Claims. (Cl. 37—133)



1. A scraper comprising a main frame, a scraper bowl, resilient means between the frame and bowl for supporting the bowl from the frame in tiltable relation thereto, means for tilting the bowl relative to the frame, and means controlled by the tilting means for flexing the resilient means to lower the bottom of the bowl as the bowl is tilted into scraping position.

2,251,308
JACK
Joseph Andrew Washington, Chicago, Ill.
Application July 15, 1940, Serial No. 345,645
1 Claim. (Cl. 254—95)

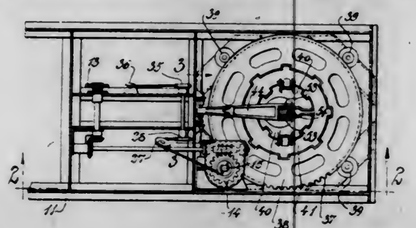


A lifting jack comprising a support provided with a curved guideway, a lifting column movable in said curved guideway, said lifting column comprising a plurality of sections hingedly connected together, said sections being provided with pins and hooks, means for moving the hook on one section into connected relation with the pin on an adjacent section as the two sections are brought into end to end relation, and means for latching the hooks in connected relation with said pins.

2,251,309
MULTIUSE WINCH TOOL FOR WELL DRILLS
George R. Watson, Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application September 16, 1937, Serial No. 164,109
7 Claims. (Cl. 255—3)

1. In a drill, the combination of: a base; a derrick foot element pivoted thereon for rocking from a substantially horizontal position to a position inclined forwardly just past vertical; a derrick, extensible upwardly in said derrick foot element; a turntable on the base, said turntable having an orifice beneath the position of the top

of the derrick when the latter is extended, for the downward passage of drilling tools; a rope for successively rocking the derrick foot element and extending the derrick; means on the turntable for gripping one of a pair of tools; means on the base for gripping the other of the pair of tools; shear means in one of these last two mentioned means, such shear means being of just sufficient shear strength and being located



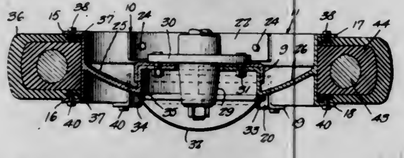
at just the proper radial distance from the center of rotation of the turntable, so as to shear, and thus interrupt tightening, as soon as the joint between the two tools has been screwed together to a predetermined desirable tightness; means for selectively actuating the rope and the turntable; means for locking the rope actuation; and means for disconnecting the rope actuation from the actuating means.

2,251,310

TWO-PART WHEEL FOR VEHICLES

John T. A. Williams, New Orleans, La.

Application June 17, 1940, Serial No. 341,059
4 Claims. (Cl. 301—9)



1. A two-part wheel for vehicles comprising oppositely disposed sections hingedly connected together at diametrically opposite points to permit the wheel being folded on a median line passing through the center of the wheel, removable plates on the sections reinforcing the same at the hinged portions against buckling under severe conditions of service, a half cup on each section of the wheel coacting to form a completed hub receiving cup when the sections are closed, and a reinforcing cup superposed upon the hub receiving cup coacting with the hub receiving cup for preventing accidental displacement of the sections of the wheel relatively to each other.

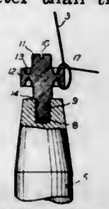
2,251,311

TEXTILE MACHINERY

Joseph Rowland Wylde and William Williams, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application May 8, 1940, Serial No. 333,880
In Great Britain June 23, 1939
3 Claims. (Cl. 57—59)

1. A spindle for yarn-twisting apparatus adapted to support a yarn package to be rotated and to protrude through the bore of the package, comprising a ring-and-traveller device carried by the protruding end of the spindle, the ring being smaller in diameter than the spindle to allow



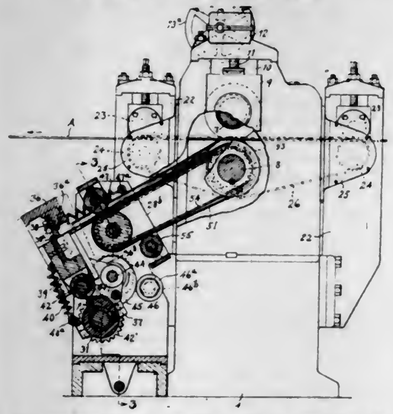
the package to be slipped on and off the spindle with the ring in position.

2,251,312

TRIMMING AND/OR CUTTING MECHANISM

Carl M. Yoder, Lakewood, Ohio

Application June 18, 1938, Serial No. 214,467
13 Claims. (Cl. 164—10.6)



9. In mechanism of the class described, the combination with supporting means, means for feeding sheet material, a pair of elements rotatably mounted on said support for trimming one edge of the material and a scrap cutting mechanism, of guide means between said trimming elements and said scrap cutting mechanism, and comprising an endless member, one run of which is operatively related at its opposite ends to said trimming elements and said scrap cutting mechanism and a hood on said supporting means and enclosing said run and having side walls disposed along opposite sides thereof.

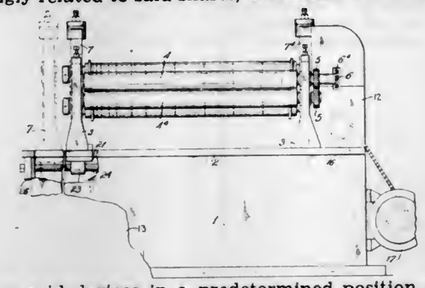
2,251,313

MACHINE FOR TRIMMING OR SLITTING SHEET MATERIAL

Carl M. Yoder, Lakewood, Ohio

Application February 10, 1940, Serial No. 318,342
3 Claims. (Cl. 164—60)

3. In a machine of the class described, the combination with a supporting member, of a housing fixedly mounted on said member and provided with upper and lower bearings, upper and lower shafts mounted in and extending through said bearings, means connected to the extended end portions of said shafts outwardly of said housing for driving them, a separate housing having upper and lower sets of anti-friction bearings through which said shafts extend, the inner race of the set of anti-friction bearings for each shaft being slidable on the adjacent shaft, said separate housing being normally arranged on said member to support the opposite ends of said shafts and said member having transversely arranged guides extending from a point adjacent said fixed housing toward and beyond the normal position of said separate housing and said latter housing having a shoe slidably engaging said guides, whereby said separate housing may be adjusted on said member to positions intermediate the ends of said shafts, a set of trimming devices slidable on and drivingly related to said shafts, and means for secur-



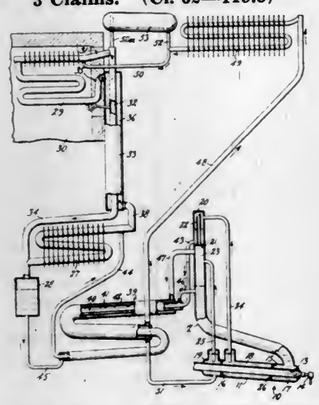
ing said devices in a predetermined position on said shafts, said means including removable spacers on each shaft between the trimming device and the bearings in said fixed housing, separate spacers on each shaft between the inner end of the inner race of the adjacent bearing and said device and a nut on the outer end of said shaft engaging the outer end of said inner race, said removable spacers being arranged to be mounted between said nut and said inner race when said separate housing is adjusted on said member.

2,251,314

REFRIGERATION

Carl T. Ashby, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application December 31, 1937, Serial No. 182,706
3 Claims. (Cl. 62—119.5)



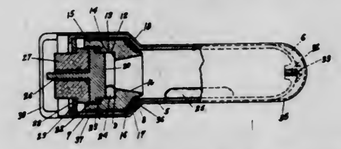
1. A refrigeration system containing refrigerant and liquid absorbent for the refrigerant, and having a generator comprising a plurality of compartments and a heating flue extending through said compartments, an absorber, a rectifier, a vapor liquid lift conduit connected to one of said compartments for causing circulation of fluid between said generator and absorber, and a second vapor liquid lift conduit connected to another of said compartments for causing flow of liquid between said rectifier and generator.

2,251,315

SWITCH

Paul S. Bear, Elkhart, Ind., assignor, by mesne assignments, to Bucklen-Bear Laboratories, Inc., Elkhart, Ind., a corporation of Indiana

Application March 2, 1938, Serial No. 193,464
15 Claims. (Cl. 200—152)



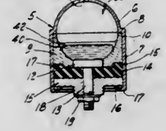
1. Gasket means for use in a mercury switch structure of the type having a cup-shaped metallic shell with a frusto-conical shoulder separating portions of different diameters, a ceramic insert in the enlarged portion of the shell having an external frusto-conical shoulder, an axial bore in the insert having a cylindrical shouldered recess at the outer end thereof, and an electrode of disc shape seated in the shouldered recess, comprising metal enclosed asbestos gasket rings between the electrode and the shoulder on the recess and between the shell shoulder and said frusto-conical insert shoulder.

2,251,316

SWITCH

Paul S. Bear and Gerald E. Spates, Elkhart, Ind., assignors to Bucklen-Bear Laboratories, Inc., Elkhart, Ind., a corporation of Indiana

Application May 22, 1939, Serial No. 274,876
7 Claims. (Cl. 200—152)



1. A switch comprising a drawn metal shell having a hemispherical chamber portion and a cylindrical open end joined to the edge of said portion by a radial shoulder, an insulating support having a hemispherical recess opening toward said corresponding shell portion and abutting against shoulder sealed in the open end of said shell, electrode means in said support and projecting therebeyond into said shell, and a body of mercury in said shell in contact with said electrode means when said switch is in vertical position, but adapted to move out of contact with said electrode means upon predetermined tilting of the switch in any direction from its vertical axis.

2,251,317

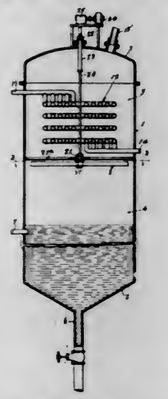
METHOD AND APPARATUS FOR EVAPORATION

Leroy G. Black, Trona, Calif., assignor to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware

Application January 25, 1939, Serial No. 252,785
10 Claims. (Cl. 159—45)

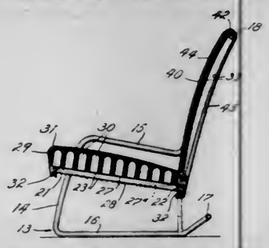
8. An apparatus for distributing washing fluid on exposed surfaces of evaporating equipment, which comprises a revolving type spray device mounted to rotate within the vapor space of an evaporator, said rotary spray device extending

close to the surfaces of said evaporating equipment and designed to supply washing fluid onto



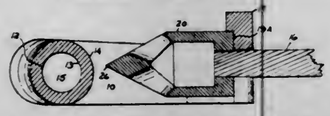
exposed surfaces of said evaporator, and means for supplying washing fluid to said device.

2,251,318
CUSHIONING FACILITY FOR SEATS AND THE LIKE
George W. Blair, John F. Schott, and Wendell E. Faulk, Mishawaka, Ind., assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application December 17, 1937, Serial No. 180,274
15 Claims. (Cl. 155—179)



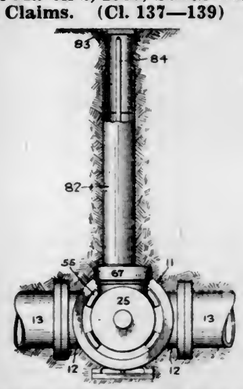
1. In a cushion structure, the combination of a supporting frame and a depressible deck stretched under tension on said frame, said deck comprising rubber and fabric intimately combined in a manner to impart a high hysteresis to the combined rubber and fabric deck.

2,251,319
CHOKER HOOK
Thomas Brewer, Kelso, Wash.
Application June 10, 1940, Serial No. 339,727
1 Claim. (Cl. 24—123)



A choker hook of the class described consisting of a pair of substantially parallel side members held in spaced relation to each other by means of a tubular tie across one end thereof and a slotted base across the opposite end thereof, the innermost side of said base having a ferrule seating recess formed therein, a choker ferrule associated with said hook characterized by having a pointed end opposite its cable end, said ferrule being adapted to pass freely between said side members and to have its cable pass freely through the slot in said base and to have its pointed end pass freely under the tubular tie member.

2,251,320
FLUID CONTROL MEANS
Eugene C. Brisbane, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application March 2, 1939, Serial No. 259,319
3 Claims. (Cl. 137—139)

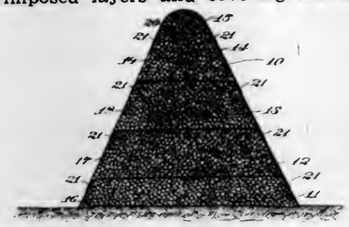


1. In underground pipe and valve equipment of the kind comprising in combination, a buried valve, a tubular member extending upwardly from the valve, said tubular member consisting of two telescoping parts, the upper part supporting a cover plate at the ground surface and leading therefrom downwardly within the lower part, the valve comprising a body, a water gate therein, a housing secured to said body and forming a complete enclosure, said body and said housing having adjacent walls spaced from each other, a valve shaft extending from said water gate through said walls and terminating within said housing, sealing means for said shaft at its entrance to said housing, mechanism within said housing and operatively connected with said shaft for operating said water gate, said housing forming an oil-tight chamber for said mechanism, means extending outwardly from said housing and operatively connected to said mechanism for actuating said mechanism, said operating means including a pair of spaced apart operating heads, each head adapted to receive a detachable operating tool, a casing secured to said housing for enclosing and protecting said actuating means, said casing having an upper surface for supporting the lower end of the outer part of said tubular member, and an oil-filling tube for said housing extending upwardly through said casing and into said tubular member and having its top disposed for ready access when the cover plate is removed.

2,251,321
STORAGE PILE AND METHOD OF PRODUCING SAME
Walter T. Brown, Hackensack, N. J., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application May 18, 1939, Serial No. 274,346
8 Claims. (Cl. 44—1)

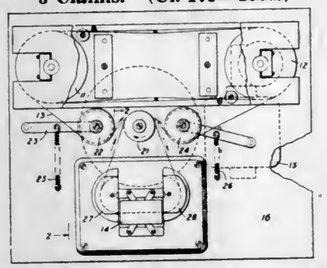
1. The method of storing coal which comprises successively forming portions of the coal to be

stored into a plurality of comparatively thin superimposed layers and covering the top and



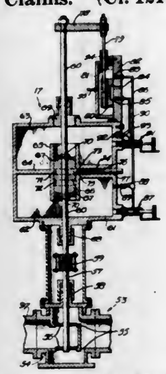
sides of each such layer with a substantially air-tight covering.

2,251,322
TELEGRAPHONE
Frederick G. Buhrendorf, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 29, 1940, Serial No. 321,392
3 Claims. (Cl. 179—100.2)



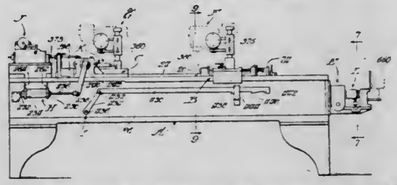
1. In a telegraphone, a record member, means for driving the member, a roller of high inertia freely rotatable independently of the driving means and a signal translating device cooperating with the member, said member being looped around the roller with the looped portion spaced away from one side of the roller and passing through the device between its successive engagements with the roller.

2,251,323
FLUID OPERATED MEANS
Mark P. Burke, Long Beach, Calif.
Application April 21, 1938, Serial No. 203,452
12 Claims. (Cl. 121—164)



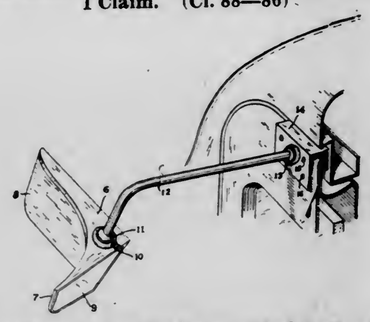
12. A fluid motivated device, which device comprises a pair of pressure chambers, each of predetermined volumetric capacity, a cylinder, one end connected with one chamber, and the other end connected with the other chamber, a piston operating in said cylinder and reciprocated by the pressure of a fluid delivered alternately to the ends of the cylinder from the two chambers, means for delivering a pressure fluid to the chambers, valve means interposed between the source of the pressure fluid and the chambers for separately and alternately directing said pressure fluid into the outer end of one or the other of said chambers and for simultaneously and separably alternately exhausting the outer end of one or the other of said chambers, means connecting said valve means with the piston, whereby alternate movement of the piston will alternately move the valve, means for regulating the rate of flow of the pressure fluid being delivered into said chambers, and means resisting movement of the piston until a predetermined pressure value has been created in one of said chambers.

2,251,324
COMBINED ASSEMBLING PRESS AND WELDING MACHINE
George G. Carlson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 12, 1939, Serial No. 267,369
28 Claims. (Cl. 219—8)



1. In a combined assembling press and welding machine, means to support a shaft, means to press a fitting into a press fit connection with an end of the shaft, and means, initiated by the pressing mechanism at the completion of the pressing operation for welding the fitting to the shaft.

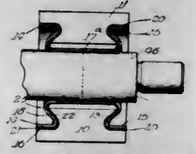
2,251,325
VIEW REFLECTING DEVICE
William F. Clark, Portland, Oreg., assignor of one-half to Dewey S. Weiss, Portland, Oreg.
Application November 2, 1938, Serial No. 238,380
1 Claim. (Cl. 88—86)



A view reflecting device mounted upon an automobile forward of, above, and laterally removed from the driver's eye comprising a reflector supporting arm secured to said automobile, a rigid body having two reflecting surfaces dis-

posed in planes mutually inclined at an obtuse angle equal to a right angle plus one half the angle subtended to the driver's eye by the respective centers of said reflecting surfaces, and a mounting means on said arm supporting said body adjustably about an axis normal to a plane containing the line of intersection of the planes containing said reflecting surfaces.

2,251,326
METHOD OF MAKING COMMUTATORS
Jasper F. Cullin, Detroit, Mich., assignor, by mesne assignments, of two-thirds to Lou Mervis, Chicago, Ill.
Application September 7, 1937, Serial No. 162,668
1 Claim. (Cl. 29—155.54)



That improvement in the manufacture of commutators which comprises assembling together an annular series of segments having the inner portions of their ends provided with notches, assembling a pair of rings together axially with the segments between them, each ring being formed with a side adapted to enter the notches in one end of the segments to radially interlock the segments and rings and with an integral tubular extension projecting inward from its side, exerting pressure against the rings to force them together axially, subjecting the segments to inward radial pressure while the rings are forced together, and welding together the inner ends of the tubular extensions while the rings are pressed together and the segments are pressed radially inward, to autogenously unite the rings for permanently retaining the segments therebetween.

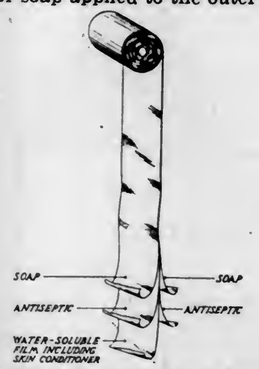
2,251,327
BRUSH
Bertha Cromle, Chicago, Ill.
Application July 26, 1939, Serial No. 286,608
4 Claims. (Cl. 15—160)



1. A device of the character described, comprising, a flexible backing member, a series of bristle tuft members secured thereto, and a semi-flexible casing member covering the back portion, the edges and the outer portion of the lower surface of said backing member, the opening thus provided in the said semi-flexible casing member encompassing the perimeter of the bristle area, said casing member provided with notched means to permit flexure.

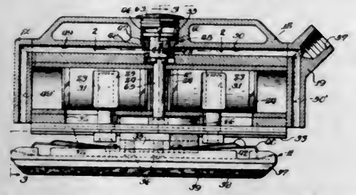
2,251,328
FLEXIBLE SHEET
Clement Ehret, White Plains, N. Y.
Application May 12, 1938, Serial No. 207,584
3 Claims. (Cl. 252—134)

1. As a new article of manufacture, a flexible sheet comprising a dry, solid, imperforate, flexible film of water-soluble material having on each of its opposite sides a plurality of flexible films successively laminated thereover, each outermost film being of soap applied to the outer surface of



a film containing an antiseptic, whereby, when the article is used with water, the soap will first go into solution to effect a cleansing action, and the antiseptic will next be released to produce a sanitary condition.

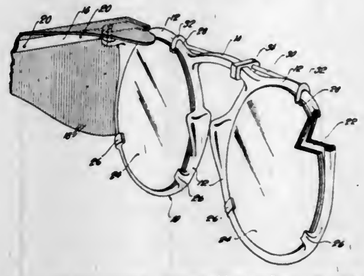
2,251,329
RUBBING MACHINE
Gustaf H. Ekstrom, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application November 6, 1937, Serial No. 173,264
5 Claims. (Cl. 121—3)



1. A rubbing machine of the character described having, in combination, pneumatic motor means comprising a body composed of an elongated casting having a longitudinally extending bore formed therein, a cap secured over each end of said casting to close the outer ends of the bore, one of said end caps having a port for the reception of an actuating medium supply conduit, a transverse partition intermediate the ends of said casting dividing the bore into two alined cylinders of equal length, a piston reciprocable in each of the cylinders, and means for supplying and directing actuating medium to said cylinders comprising a valve chamber formed in the upper portion of said casting, passages formed in the upper portion of said casting leading from said valve chamber to both ends of both cylinders and to the port for the reception of an actuating medium supply conduit, passages leading from said valve chamber to atmosphere formed partly in the upper portion of said casting and partly in said end caps, a cylindrical valve in said valve chamber oscillatable to various positions to cause the simultaneous discharge of actuating medium alternately to the inner and outer ends of both cylinders to effect simultaneous reciprocation of the pistons either inwardly toward or outwardly away from said partition, and means actuated

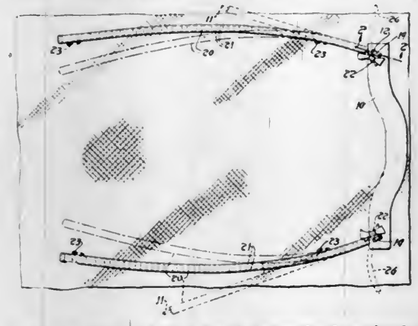
in timed relation with the reciprocation of said piston including a pin extending through said partition and at its upper end having a lost motion engagement with said valve to oscillate the same.

2,251,330
VARIABLE DENSITY SUNGLASS
Murry N. Fairbank, Boston, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application November 9, 1939, Serial No. 303,560
4 Claims. (Cl. 88—41)



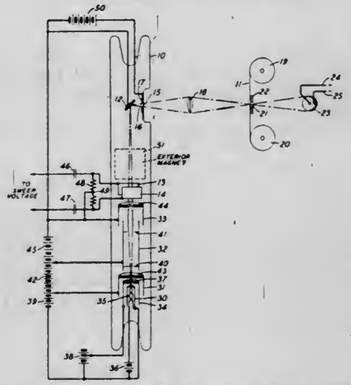
1. An ophthalmic mounting for a variable density sunglass or the like comprising a bridge element, a plurality of lens-holding elements affixed to said bridge element, a plurality of spaced lug elements affixed to each of said lens-holding elements for detachably holding thereadjacent a supplemental lens, and a laterally movable, resilient, strap element mounted in means slidably carried upon said bridge, said strap element being provided at each end with a loop engaging and bearing against the upper surface of the adjacent lens-holding element, the free end of each said loop being shaped to engage a notch in an adjacent supplemental lens.

2,251,331
RETAINER FOR BED COVERINGS AND THE LIKE
Jacob A. Goodhart, Chicago, and Vernon C. Helberg, Evergreen Park, Ill.
Application February 19, 1940, Serial No. 319,732
8 Claims. (Cl. 24—72.5)



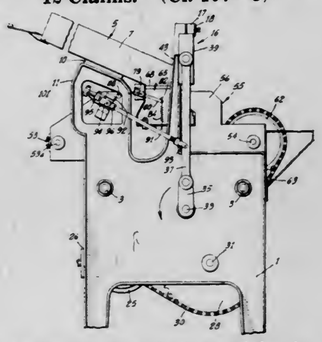
1. An article of the kind described embodying elongate yieldable arms that are transversely spaced apart and disposed divergent to each other; a rigid strip connecting the ends of said arms which are nearest each other; devices detachably anchoring said arms to said strip; and means securing the remote ends of said arms to a bed-covering under tension whereby the tendency of said remote ends of the arms to move outwardly away from each other is limited by the portion of the bed-covering between said arms.

2,251,332
CATHODE RAY DEVICE
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1938, Serial No. 199,192
23 Claims. (Cl. 250—27)



1. A cathode ray device comprising means for generating a beam of primary electrons, a target for said beam capable of emitting secondary electrons upon being impacted by said beam of primary electrons, means for causing said beam to scan said target along a substantially linear path, and an accelerating electrode for said secondary electrons in close proximity to said target, said electrode having a linear opening therein parallel to said linear path through which opening the secondary electrons pass.

2,251,333
STICK FEEDING MACHINE
Alvah Michael Griffin and Alvah Merle Griffin, Los Angeles, Calif., assignors to Paul Hawkins
Application March 18, 1940, Serial No. 324,630
12 Claims. (Cl. 107—8)



1. In a device for placing sticks in a stick holder including a plurality of spaced rows of stick receiving receptacles, each row including a plurality of said receptacles spaced from each other, the combination of: a stock rack for holding a supply of sticks in a substantially vertical position and including a plurality of vertically disposed chutes through which sticks may pass, said chutes being aligned in a row and spaced

from each other in correspondence with the spacing of the receptacles in each row on said holder; means for supporting said holder in a position below said chutes with one of the rows of receptacles thereon aligned with the line of said chutes; and feeding means for engaging said sticks and positively moving said sticks through a distance sufficient to pass said sticks from said chutes and dispose the center of gravity thereof below the upper edge of the receptacle in which said stick is received.

2,251,334

PROTEIN COMPOSITION OF MATTER

Lloyd A. Hall, Chicago, Ill., assignor to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois

No Drawing. Application February 6, 1939, Serial No. 254,808

23 Claims. (Cl. 260—112)

15. The method of making a protein composition which comprises concentrating an aqueous dispersion of animal skim milk to from 20% to 50% of suspended milk solids, mixing said concentrated milk at a pH of not over 6 with a suspension of animal blood hemoglobin at a pH of not over 6 to provide a suspension of the total proteins of the milk and the hemoglobin, and dewatering the mixture to provide a dry solid product containing a new protein complex.

16. A new protein combining protein of animal milk and animal hemoglobin, the combination being chemical, whereby said new protein exhibits an X-ray diffraction pattern not exhibited by the said component proteins.

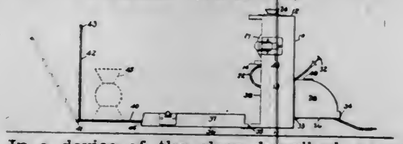
2,251,335

PHOTOGRAPHIC DEVICE

Willis B. Hargreaves, Portland, Oreg.

Application July 30, 1940, Serial No. 348,430

3 Claims. (Cl. 88—24)



1. In a device of the class described, a combination of an upright case having a fixed top, bottom, and two sides and having a horizontal dividing partition between the top and bottom forming a light compartment above the partition and a camera compartment below the partition, a front covering the light and camera compartments said front having an opening therein communicating with the camera compartment and having a door for said opening adapted to be folded outwardly to form a shelf, a short focus camera mounted on said door, a back for said case hinged to the bottom thereof, a floor hinged to said back in a manner to form an extension therefor, a screen hinged to said floor at the edge thereof which is remote from said case and lamps mounted in said light compartment adapted to project light toward said screen.

2,251,336

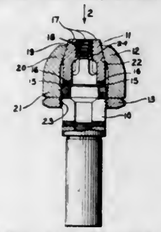
DIE AND DIE HOLDER

Franklin Judge, Greenfield, Mass., assignor to Greenfield Tap and Die Corporation, a corporation of Massachusetts

Application July 26, 1939, Serial No. 286,575

2 Claims. (Cl. 10—119)

1. An adjustable die structure comprising a die having a frusto-conical end divided into separate lands relatively radially adjustable, of a holder for the die comprising a body portion and a relatively movable cap housing the die and having a forward end surrounding and contacting the conically surfaced ends of the lands projecting through and beyond said forward end of the cap member whereby slight radial adjustment of said die lands is effected by rotative and axial movement of the cap relative to the holder,



and a die marking at a corresponding point on each of said lands adjacent said cap, said die markings being equally angularly spaced with relation to each other around the axis of the die, and a cooperating 360° circular measuring scale on the end of said cap having the number of its equally spaced divisions a multiple of the number of lands of the die and showing the adjustment of the die sections by the position of said cap divisions relative to each of said die markings.

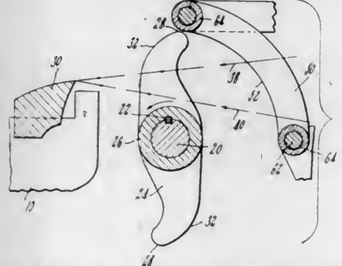
2,251,337

REED FOR LOOMS

Carl F. Libby, Stoughton, Mass.

Original application February 26, 1937, Serial No. 127,884. Divided and this application July 31, 1939, Serial No. 287,441

5 Claims. (Cl. 139—191)



5. In a loom, a frame, a shaft journaled in said frame to rotate about a fixed axis, means for rotating said shaft at a substantially constant rate, a series of reed dents mounted on said shaft and projecting radially therefrom in opposite directions, said dents consisting of thin plates arranged in planes perpendicular to the axis of the shaft, the leading edges of said dents being convexly curved in such a manner that the filling beaten up by engagement with said convexly curved edges is moved at a substantially uniform speed to the fell of the fabric.

2,251,338

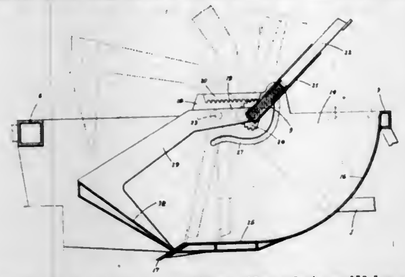
CARRIER SCRAPER

Alvie D. McCollum, San Fernando, Calif.

Continuation of application Serial No. 113,198, November 28, 1936. This application September 27, 1939, Serial No. 296,832

16 Claims. (Cl. 37—126)

1. A scraper comprising a bowl, an apron to close the front of the bowl, a tail plate to move from the back of the bowl to the front thereof to push the load therefrom, means connecting the apron and tail plate as a unit so that when the



apron is in closing position, the plate will be clear of effective load space of the bowl, and means to control the unit to advance the plate in the bowl and at the same time raise the apron.

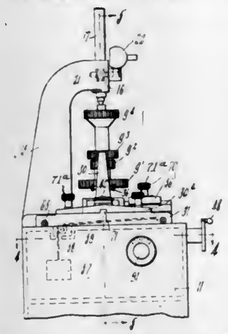
2,251,339

INVOLUTE CURVE TESTING MACHINE

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Application August 29, 1939, Serial No. 292,428

17 Claims. (Cl. 33—174)



1. An involute curve testing machine comprising a carriage support, a work support, means for effecting relative rotary movement between said work support and carriage support, a main slide and a feeler carriage mounted on said carriage support in guided engagement therewith for movement in paths tangential to circles concentric with the axis of such relative rotary movement, a ratio lever pivoted to the carriage support having an arm in abutting engagement at one side with a portion of the main slide and a second arm having abutting engagement at one side with a part of the feeler carriage, and yielding force-applying means acting on the carriage to maintain its abutting portion in engagement with the lever and the lever in engagement with the abutting portion of the main slide.

2,251,340

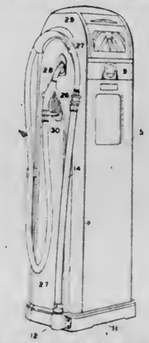
EXTENSIBLE DELIVERY DEVICE

Fred W. Moore, Cincinnati, Ohio, assignor to National Pumps Corporation, Dayton, Ohio, a corporation of Ohio

Application April 11, 1940, Serial No. 329,085

5 Claims. (Cl. 221—95)

1. An extensible delivery device for a liquid dispensing apparatus having an outlet for liquid near its lower end, comprising a delivery hose, a normally upright flexible tube having means for connecting the same with said outlet and with the inlet end of said delivery hose, and a resilient device mounted on a fixed support near the lower end of said tube and extending lengthwise of said tube in supporting relation thereto, the re-



siliency of said device being such that it will retain said tube in a substantially upright position during the normal manipulation of said delivery hose but will yield and permit said tube to be flexed by the pull of said hose when the discharge end of the latter is in a position beyond the normal range of its operation.

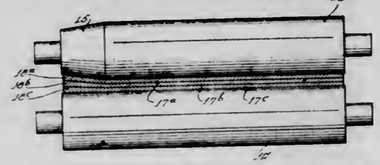
2,251,341

MOLDBOARD FOR PLOWS AND METHOD OF MAKING SAME

Willbur W. Patrick and Harry M. Turpin, New Castle, Ind., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application January 14, 1939, Serial No. 250,948

1 Claim. (Cl. 29—14)



The method of forming laminated sheet metal for earth working tools which comprises forming a blank of soft steel, offsetting and reducing the thickness of one edge of the soft steel blank, pouring molten high carbon steel around the blank to form a soft center ingot, and reducing the thickness of the ingot and increasing its length by rolling unequally, the greatest thickness of the ingots when rolled being located at the region where the blank is offset.

2,251,342

SYNCHRONIZING FREE WHEEL TRANSMISSION

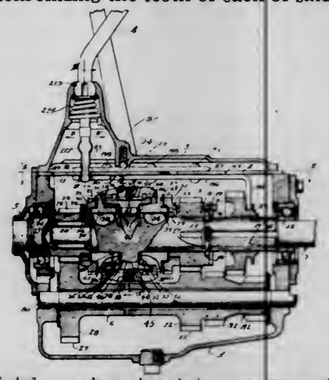
Carl F. Rauen, Grosse Pointe, Mich., assignor, by direct and mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application June 13, 1932, Serial No. 616,829

16 Claims. (Cl. 192—48)

1. Power transmission mechanism comprising a drive member, a driven member, means associated with said members for establishing an overrunning drive therebetween, said means comprising interengageable teeth, means including in-

terengageable teeth for establishing a two-way drive between said members, instrumentalities for synchronizing the teeth of each of said means



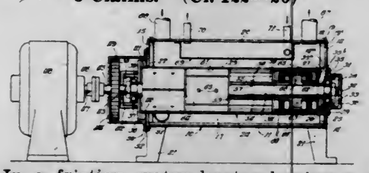
immediately prior to interengagement, and means for releasing said synchronizing instrumentalities upon each of said interengagements.

2,251,343
BINDING ARRANGEMENT
Isidore Spinner, Chicago, Ill., assignor to Plastic Binding Corporation, Chicago, Ill., a corporation of Delaware
Application May 16, 1938, Serial No. 208,146
3 Claims. (Cl. 129—1)



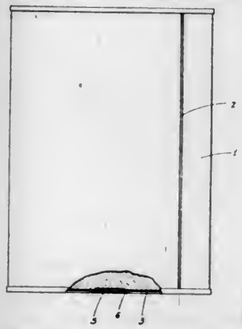
2. A binding element for use in a loose leaf binding arrangement comprising an elongated strip of thin resilient material rolled into a split ring normally and inherently assuming a closed position, said strip having an extension at one end narrower than the strip, notches cut into said extension on opposite sides thereof near its base, and a slot in the opposite end of said strip extending longitudinally thereof and opening through the end edge thereof adapted to receive said extension when the element assumes normal closed position.

2,251,344
MACHINE FOR GENERATING HEAT BY FRICTION
Ernest A. Tesch, Chicago, Ill.
Application October 17, 1938, Serial No. 235,537
3 Claims. (Cl. 122—26)



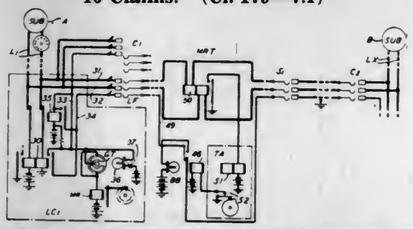
3. In a friction water heater having a water container, the combination with a hollow heat exchange member and a rotatable shaft therein passing into the container, of a shoe holder keyed on said shaft and having a plurality of radial arms, a friction shoe carried by each arm, interengaging means on the shoe and arm whereby the shoes are radially movable on said holder, and compression springs between each shoe and the holder urging the shoes against the inner surface of said heat exchange member.

2,251,345
SAFETY SEAL FOR CANNED GOODS
Stanley F. Triplett, Modesto, Calif.
Application January 24, 1939, Serial No. 252,579
5 Claims. (Cl. 99—192)



1. In combination, a hermetically sealed metal container, a quantity of unsterilized frozen food therein, and a metal plug extending through one wall of the container, said plug being of a metal having a melting point no greater than the minimum temperature required to destroy spoilage causing bacteria in said food.

2,251,346
TELEPHONE SYSTEM
Edward Vroom, Ossining, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1940, Serial No. 358,819
10 Claims. (Cl. 179—7.1)

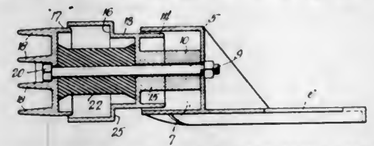


1. In a telephone system, a line circuit comprising a control conductor, a line cut-off relay, a gas-filled tube, a lamp adapted to radiate energy to ionize the gas in said tube, means connecting said relay and said lamp in parallel to said conductor, and a message register, said register connected in series with the tube for operation upon breakdown of the tube, means for applying ground potential to said conductor to operate said relay, said lamp being insufficiently energized upon application of ground potential to said conductor to effect breakdown of the tube, and means for applying booster battery potential in place of ground potential to said conductor to hold said relay and to fully energize said lamp to effect breakdown of the tube.

2,251,347
RAIL CAR
Alfred O. Williams and Milo M. Dean, Battle Creek, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application December 31, 1938, Serial No. 248,722
6 Claims. (Cl. 213—221)

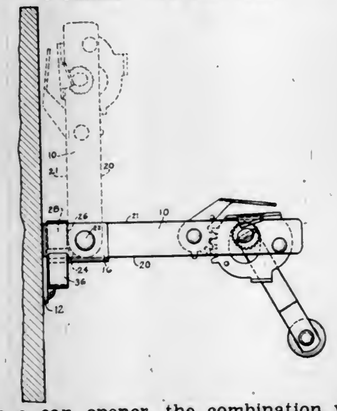
1. In combination, a buffing structure compris-

ing a first portion composed of rubber, a housing therefor, a rigid supporting member having a recess into which said housing may telescope upon application of stress thereto, and laterally spaced extrudable spacing members in said recess biased between said housing and supporting member for resisting said telescoping action of



said housing and adapted to withstand deformation up to a certain predetermined stress on said rubber which is transmitted thereto by said housing, said spacing members then extruding laterally within said recess to accommodate further deflection without any increase in stress on said supporting member.

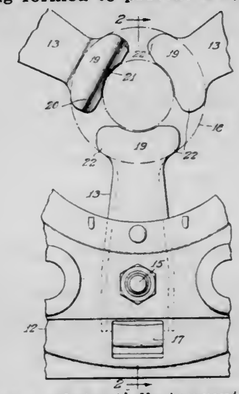
2,251,348
CAN OPENER
Myron J. Zimmer, Chicago, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application August 21, 1939, Serial No. 291,147
3 Claims. (Cl. 248—293)



3. In a can opener, the combination with a frame piece having angularly spaced flat bearing surfaces, a support on which said frame piece is mounted for vertical swinging movement from an upright position to a horizontal position, and vice versa, means coacting with the angularly spaced flat bearing surfaces of said frame piece for locking said frame piece in upright or horizontal position including a gravity actuated member mounted for sliding movement in a fixed vertical path on said support.

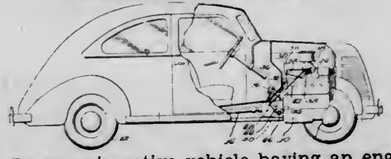
2,251,349
FRICTION CLUTCH
Arthur W. Anderson, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application September 29, 1938, Serial No. 232,247
In Great Britain August 24, 1938
1 Claim. (Cl. 192—99)

A clutch including an operating collar having a flat bearing face perpendicular to the axis of the clutch, a cylindrical member of a driven shaft assembly associated with said collar, and a plurality of radially arranged release levers each having its inner end region circumferentially extended to provide a pair of projections, the end edge of the lever intermediate said projections being concavely arcuate to conform to the contour of said cylindrical member, said projections and the region of the lever between said projections being formed to provide a cylindrical sur-



face having a substantially tangential line of contact with said bearing face subtending an angle at the axis of rotation of approximately 90°, said line of contact approaching closely to said arcuate edge, and the cylindrical surface of said projections curving away from the bearing face of said collar a greater extent than the surface of said intermediate region.

2,251,350
THROTTLE VALVE CONTROL MECHANISM
Robert F. Bracke, Chicago, Ill.
Application August 10, 1938, Serial No. 224,047
4 Claims. (Cl. 192—.01)



1. In an automotive vehicle having an engine, a driving member and a clutch having three distinct positions and interposed between said engine and member, said three distinct positions being the engaged position, intermediate disengaged position, and fully disengaged position, the combination of a throttle valve for regulating the operation of said engine, means for opening said throttle valve, means for closing said throttle valve, a cam for variably limiting closing movement of said throttle valve, and a connection between said cam and clutch, said cam providing a different limit for closing movement of said throttle valve for each of said clutch positions, the limit permitting maximum closing movement of said throttle valve corresponding to normal idling operation of said engine.

2,251,351
TREADLE PROCESS
Benjamin Cooper, Jersey City, N. J.
Application December 3, 1940, Serial No. 368,409
16 Claims. (Cl. 18—59)

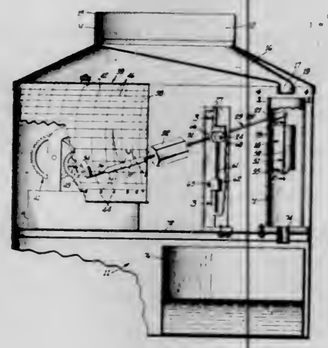
1. A process for making a switch consisting in placing against the inner surfaces of a tubular

envelope of cured rubber a pair of opposed contact strips, placing within said envelope and between said contact strips a core to maintain said strips in spaced relation, placing the envelope within a mold together with uncured rubber



placed outside the envelope, applying heat to the mold to cause the uncured rubber to fuse with and flow around said envelope to form a rubber housing, then removing the housing from the mold and removing the core.

2,251,352
GAUGE FOR DETERMINING RATE OF RAINFALL
Frederick J. Cornick, Pasadena, Calif.
Application September 2, 1938, Serial No. 228,139
15 Claims. (Cl. 73—151)

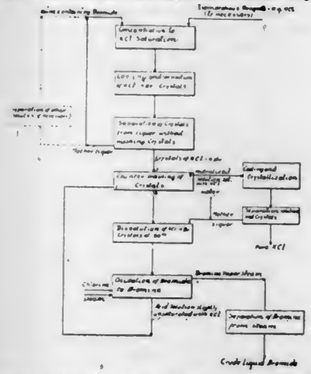


1. In a device for measuring flow intensity, a scale beam, a bucket carried by one end thereof, a liquid receiver and means for delivering fluid received thereby into said bucket, said bucket having a plurality of discharge orifices at different heights above its bottom whereby the rates of flow into and out of said bucket are equalized when the quantity of liquid within said bucket bears a predetermined relationship to the rate of inflow.

2,251,353
PROCESS FOR RECOVERING BROMINE AND IODINE FROM ALKALINE BRINES
William A. Gale and Edward P. Pearson, Trona, Calif., assignors to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
Application October 1, 1938, Serial No. 232,848
4 Claims. (Cl. 23—216)

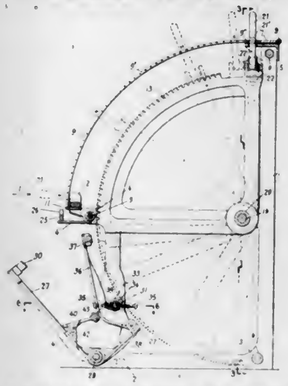
1. The process of recovering bromine from Searles Lake brine, which comprises concentrating the brine essentially to saturation with potassium chloride, cooling the concentrated liquor and crystallizing mixed crystals of potassium chloride and potassium bromide, separating the mixed crystals from the solution, dissolving said crystals to form an aqueous solution thereof, oxidizing the bromide contained in the solution to bromine and recovering the bromine, counter-

washing said mixed crystals with debrominated solution prior to dissolving them and crystallizing



potassium chloride from the debrominated solution.

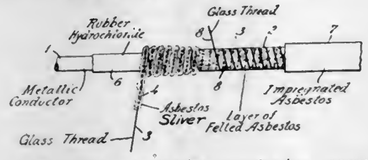
2,251,354
MARKING MACHINE
George C. Gettman, Denver, Colo.
Application March 8, 1940, Serial No. 322,882
3 Claims. (Cl. 101—97)



1. In a marking machine for use in marking articles in laundries and the like, a framework having feet for attaching the marking machine to a table or other proper base, a cylindrical mounting element supported on said framework, a plurality of printing segments pivotally mounted on said mounting element and movable from a zero position, each segment having a transversely movable, spring-held, setting and locking handle having a face remote from said zero position square with said segment and a face toward said zero position that is beveled, a quickly removable character bearing cover plate mounted on the framework and provided with slots for the reception of the movable setting and locking handles of the segments, the edge of each slot having handle receiving notches adjacent characters on said cover plate, the notch faces remote from said zero position being square with the said slot and the notch faces toward said zero position being beveled, whereby the beveled faces of the handles co-operate with the beveled faces of the cover plate, and the square faces of the handles co-operate with the square faces of the cover plate, and a clearance lever pivotally mounted upon said mounting element and having a cross bar having a plurality of bevel faced

fingers whose beveled faces are each adapted to contact a setting handle and force the bevel face of said handle against the adjacent bevel face of said cover plate, whereby the action of the bevel faces of the fingers of the clearance lever cross bar and the bevel faces of the setting handles and of the cover plate will combine to move the setting handles transversely and thereby remove them from the cover plate notches and further movement of the clearance lever will move all segment handles to the zero position.

2,251,355
INSULATED ELECTRICAL CONDUCTOR
John W. Greenleaf, Hamden, Conn., assignor to Rockbestos Products Corporation, a corporation of Massachusetts
Application May 3, 1939, Serial No. 271,481
3 Claims. (Cl. 174—121)



1. A flexible electrical conductor comprising a wire surrounded by a continuous layer of felted asbestos, the layer of asbestos having been formed by helically wrapping a sliver of asbestos having a reenforcing core of glass thread around the wire, the asbestos of the sliver adjacent the core of glass thread being free of adhesive material binding the asbestos to the core of glass thread, said conductor being capable of being heated to a high temperature and thereafter subjected to considerable bending and abrasion without a loosening or separation of the fibers of asbestos.

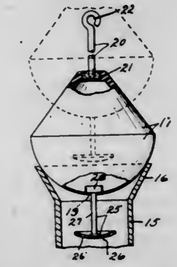
2,251,356
CONSTANT COEFFICIENT MECHANICAL ELEMENT
James E. Harris, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 27, 1938, Serial No. 227,064
7 Claims. (Cl. 75—123)

1. A mechanical vibratory element made of an alloy comprising the following ingredients in about the following proportions:

	Per cent
Iron	45.8
Nickel	34.8
Molybdenum	15.7
Manganese	2.2
Cobalt	1.2
Carbon	.3

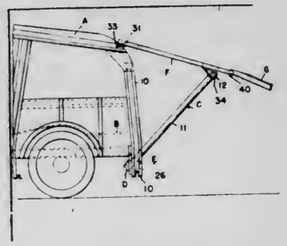
2,251,357
FLUSH VALVE
William L. Harroun, Ellisburg, N. Y.
Application September 12, 1940, Serial No. 356,516
2 Claims. (Cl. 4—56)

1. The combination with a flush pipe for water closets having a valve seat, and a flush valve comprising a hollow ball-like stopper element engageable with said seat, said stopper element having an actuating rod connected to its upper end for lifting it from said seat, and an atmospheric opening at its lower end, of pilot means for returning said stopper element to its seat including a substantially flat body member of less diameter than the bore of the flush pipe adapted to be readily moved through the seat to the interior of said flush pipe by contact of the flushing water therewith, a stem fixed to the body member and extending through the atmospheric opening in said stopper element, and a head member secured to the upper end of the stem at the interior of the stopper element extending across said atmos-



pheric opening to removably secure the disk to the stopper element in spaced relation thereto, the width of said head and the diameter of the stem each being less than the diameter of the atmospheric opening whereby air under atmospheric pressure may readily pass through said opening to and from the interior of the stopper element.

2,251,358
SKID ASSEMBLY
Irving H. Judd, Norfolk, Va., and William E. Baker, Detroit, Mich., assignors to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan
Application April 8, 1940, Serial No. 328,586
30 Claims. (Cl. 214—85)

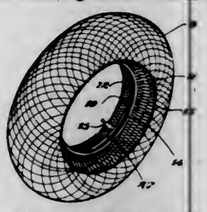


1. A knockdown skid assembly comprising a load carrying member and a skid, the member being engageable in an upwardly and rearwardly inclined position with a pocket in a trailer and having a laterally extending portion, the skid being of sufficient length to span the space between the member and an upper deck of the trailer, said skid being removably mounted on the laterally extending portion and attachable to the upper deck of the trailer.

2,251,359
HIGH PRESSURE INNER TUBE TESTER
Harold D. Kantner, Meadville, Pa., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application September 24, 1938, Serial No. 231,557
6 Claims. (Cl. 73—51)

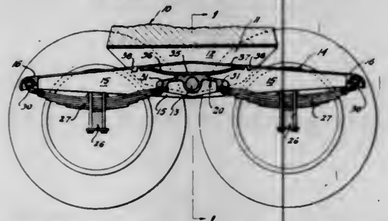
1. The combination of a foraminous tube envelope for completely encircling a tire tube, said

envelope comprising an outer self-supporting shell, a fabric netting inner shell joined to said



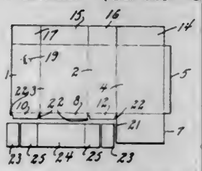
outer shell, a slit around said inner shell, and a slide fastener for closing the slit.

2,251,360
DUAL AXLE SUSPENSION SYSTEM
Garner L. Knox, Glendale, Calif., assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif., a corporation of California
Application January 17, 1940, Serial No. 314,216
7 Claims. (Cl. 280—124)



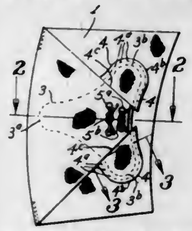
1. In a suspension system for two transversely extending and longitudinally spaced axles in association with a vehicle frame, each axle carrying at each end a longitudinally extending suspension spring, with the adjacent ends of the two springs at the corresponding ends of the axles spaced apart longitudinally; two sets of longitudinal suspension levers, each set comprising a relatively long rigid lever pivoted between its ends to the vehicle frame to swing freely vertically, a relatively short rigid lever pivoted between its ends to swing vertically, the outer ends of the respective suspension springs being connected to the ends of the long lever and the adjacent ends of said suspension springs being connected to the ends of the short lever; and yielding means tending to hold the two levers of each set in a predetermined angular relation.

2,251,361
CONTAINER AND CONTAINER MANUFACTURE
Albert H. Lockwood, Monroe, Mich., assignor to Consolidated Paper Company, Monroe, Mich., a corporation of Michigan
Application May 13, 1939, Serial No. 273,383
1 Claim. (Cl. 229—39)



A closure for a package embodying a pair of opposing flaps foldable in operative position to face contacting relation substantially in a common plane with free edges adjacent, a flap extension on a first of the flaps, said extension having one end anchored to the outer side of the first flap rearwardly of the free edge thereof and having its other end projecting toward the second flap and beyond the free edge of the first flap to provide with said first flap a V-way for receiving the free edge of the second flap, the free edge of the second flap, when positioned in said V-way, overlapping the free edge of the first flap, and the flap extension overlying and overlapping the free edges of both the first and second flaps, said flap extension having supplemental flap portions secured to each end thereof which in their operative position are secured to the adjacent sides of the package.

2,251,362
KNEE GUARD
Robert H. Manzeck, San Diego, Calif.
Application September 18, 1939, Serial No. 295,399
8 Claims. (Cl. 2—24)



1. In a knee guard of the class described, the combination of a single resilient supporting band arranged to extend above and below the wearer's knee joint and a pair of three point knee protector members yieldably supported in opposed relation thereon, two of said ponts being in substantially vertical alignment and the other in horizontal position.

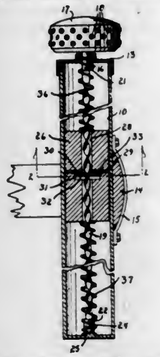
2,251,363
VENETIAN BLIND
Maud McGrew, Pittsburgh, Pa.
Application September 25, 1940, Serial No. 358,200
6 Claims. (Cl. 156—17)



1. In a Venetian blind of the character described including a plurality of slats adapted to be raised and lowered by a pull-rope, each of said slats provided with a central transverse opening adjacent their opposite ends adapted to receive a pair of slat-supporting chains and a pull-rope and means to attach said chains within the openings of said slats.

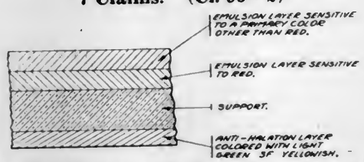
2,251,364
SIGNALING DEVICE
John E. McIlhon, Des Moines, Iowa
Application December 11, 1939, Serial No. 308,654
5 Claims. (Cl. 74—127)

1. In a device of the class described, an elongated housing designed to be secured to a vehicle, a spiral track element rotatably mounted in said housing and capable of at least indirectly engaging an indicating means, a weight element slidably mounted in said housing and loosely embracing said spiral track element, means for preventing the rotation of said weight, a means for operatively securing said weight to



said spiral track element for causing said spiral track element to rotate in one direction when said weight is moved in one direction, and counterbalance springs interposed between the ends of said weight and the ends of said housing respectively.

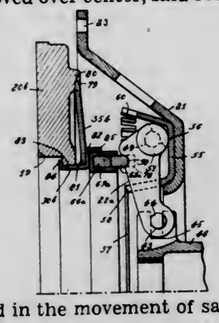
2,251,365
PHOTOGRAPHIC SENSITIVE MATERIAL
Alfred Miller, Dessau, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application July 26, 1938, Serial No. 221,355
In Germany July 28, 1937
7 Claims. (Cl. 95—2)



1. A photographic material comprising a single support, a layer sensitive to light of a particular spectral range and carried on one side of said support, and at least one additional layer sensitive to light of a different spectral range and superimposed directly on said first mentioned light-sensitive layer, said support being provided with an anti-halation dyestuff which absorbs only the light of the spectral range to which the first mentioned light-sensitive layer adjacent said support is sensitive.

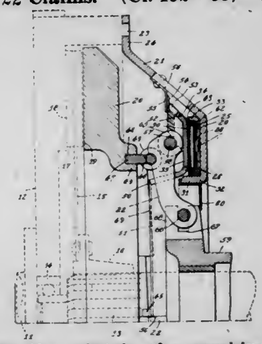
2,251,366
CLUTCH
Kay Miller and W. Vincent Thelander, Rockford, Ill., assignors to The Atwood Vacuum Machine Company, Rockford, Ill., a partnership composed of Seth B. Atwood and James T. Atwood
Application March 7, 1938, Serial No. 194,337
26 Claims. (Cl. 192—68)

25. Actuating mechanism for a pair of clutch elements forming the gripping portions of an over-center clutch comprising a resilient member abutting one of the elements in the direction of flexure, and over-center lever means supported for pivotal movement relative to said resilient member and having a portion for engagement with the other clutch element so as to clamp the elements together resiliently when said lever means is moved over center, said resilient member



being flexed in the movement of said lever means over center.

2,251,367
CLUTCH
Kay Miller, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and James T. Atwood
Application September 18, 1939, Serial No. 295,349
22 Claims. (Cl. 192—68)

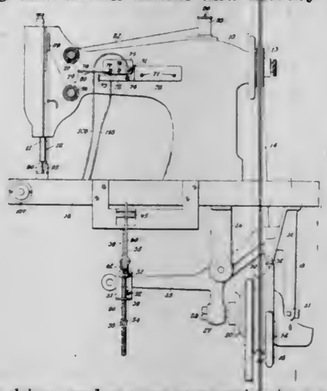


1. In a friction clutch, the combination with a flywheel constituting the driving element, and a clutch disc constituting the driven element, of a back plate for the flywheel, a pressure plate turning with the back plate and movable toward and away from the same in the disengagement and engagement of the clutch, respectively, positive-acting over-center means for moving the pressure plate away from the back plate to engage the clutch, Belleville spring washer means compressible between the back plate and over-center means for resiliently transmitting pressure from the latter to the pressure plate, said Belleville spring washer means having an inherent low rate within its operating range, and means having lost-motion connection with the back plate holding the Belleville spring washer means in pre-loaded condition compressed to a point within the low rate range but permitting further loading by said over-center mean when the latter is operated to engage the clutch and moves said holding means within its lost-motion connection.

2,251,368
STOP MECHANISM FOR SEWING MACHINES
John Moser, Brooklyn, N. Y.
Application August 8, 1939, Serial No. 288,943
27 Claims. (Cl. 112—219)

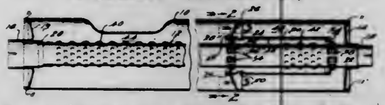
1. In a sewing machine having a presser foot, a reciprocating needle, driven means to actuate

said needle, a transmission to drive said driven means, means to feed a thread to said needle for stitching, means normally holding said thread under a predetermined tension, control means connected to interrupt said transmission from driving said driven means and thereby stopping



the machine, and means responsive to a variation in the tension of said thread from normal for actuating said control means, said presser foot having means associated therewith for varying the tension on the needle thread when the normal stitching operation is interrupted by failure of the bobbin thread.

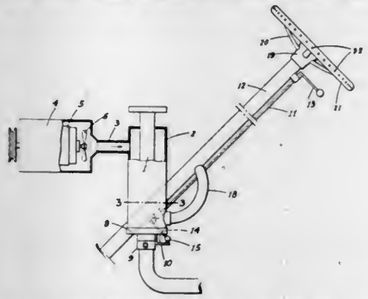
2,251,369
SILENCER
Chester C. Moss, Jackson, Mich., assignor to Walker Manufacturing Company of Wisconsin, a corporation of Wisconsin
Application May 3, 1939, Serial No. 271,542
8 Claims. (Cl. 181—48)



1. In combination, a partially or entirely closed tubular body formed of sheet metal or the like, an embossment projecting from the surface thereof characterized as being constituted by a series of peripherally spaced entirely closed embossment elements each extending from the surface of the body and being separated by portions of the body so shaped as to have lower resistance to bending than said embossment elements, and a partition member having a seating part conforming in curvature to the curvature of said embossment and seated upon said elements.

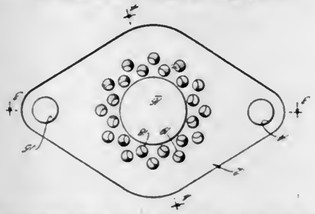
2,251,370
HEATER FOR MOTOR VEHICLES
George E. Motzer, Vallejo, Calif.
Substituted for abandoned application Serial No. 255,062, February 7, 1939. This application May 2, 1941, Serial No. 391,570
2 Claims. (Cl. 237—12.3)

2. In a motor vehicle heater including a hot air jacket adapted to surround the exhaust pipe of the vehicle, said jacket having a port therein, a conduit leading from said port and arranged to feed heated air from said jacket into the vehicle, a damper unit associated with said jacket and operative to shut off the conduit from the jacket and to bypass the heated air from the latter, and manually actuated control means operatively connected with the damper unit; said damper unit forming one end of the jacket and comprising a fixed plate surrounding the exhaust pipe and having an opening therethrough, a rotary plate surrounding the exhaust pipe in face to face engagement with said fixed plate, the rotary plate having an opening adapted to register with the



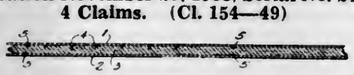
opening in the fixed plate only when said plates are in predetermined position, said manually actuated control means cooperating with said rotary plate, and a shutter mounted on the rotary plate, said shutter being arranged relative to the jacket to close said port when the openings in the plates are in said predetermined position.

2,251,371
HOMOGENIZER
George O. Moyer and Emanuel Krettingen, Los Angeles, Calif.
Application July 2, 1940, Serial No. 343,602
4 Claims. (Cl. 48—180)



1. A homogenizer adapted to be placed in the line of flow to the intake manifold of an internal combustion engine from a carburetor or like mixing device comprising a plate-like body having a relatively large central aperture formed therein through which the major portion of the flow to the manifold takes place and tangentially inclined passages formed in said body around said central aperture terminating on the side walls of said aperture and arranged to receive portions of flow from the carburetor or like mixing device and direct them with relation to the major portion of flow passing through said aperture in such a manner as to create a vortex therein.

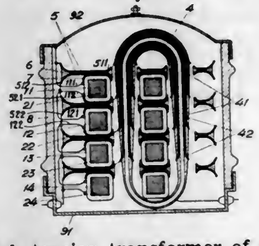
2,251,372
BATH MAT
Dan Allyn Nicholson, Glencoe, Ill., assignor, by mesne assignments, to said Dan Allyn Nicholson, as trustee
Application November 25, 1938, Serial No. 242,182
4 Claims. (Cl. 154—49)



1. A bath mat composed of an unbroken lower sheet of cellulose material impervious to water

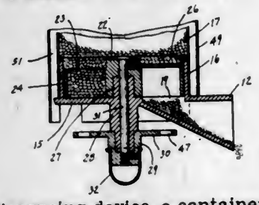
bearing a pad of bibulous cellulose material covered by a sheet of cellulose material, impervious to water and perforated at frequent intervals.

2,251,373
HIGH TENSION TRANSFORMER
Bengt Olsson, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application June 28, 1938, Serial No. 216,216
In Sweden December 15, 1937
8 Claims. (Cl. 175—358)



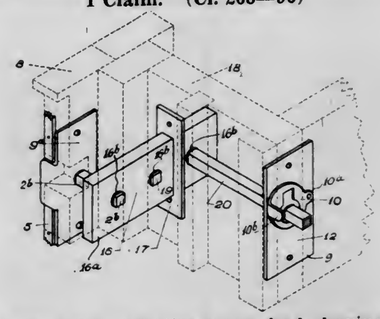
1. A high tension transformer of the character described, comprising a primary high tension winding divided into at least two series connected coils, a closed iron core for each of said winding coils, a link-shaped secondary low tension winding interlinking with the main part of said cores and comprising a plurality of turns, an insulation spacer positioned between the primary high tension coils, conducting coatings applied on both sides of said spacer, the end points of the coil being connected to the two coatings to form a condenser in shunt of the coil, and such condensers being so dimensioned that, even without potential governing by means of the winding, they divide the voltage between them in, as far as possible, the same manner as the voltage is divided in accordance with the winding turns of the corresponding coils of the high tension winding.

2,251,374
DISPENSING DEVICE
Garfield Pettigrew, Elwood, Ind.
Application March 23, 1940, Serial No. 325,569
3 Claims. (Cl. 221—108)



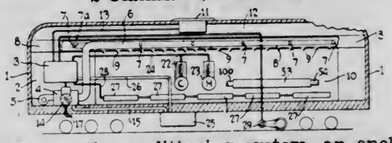
1. In a dispensing device, a container for product to be dispensed, said container having a delivery opening in the bottom thereof, a metering spider rotatably mounted in the bottom of said container and having compartments each adapted to contain a predetermined quantity of said product, said spider being rotatable to bring said compartments successively into position above said discharge opening to discharge the contents thereof, a stationary baffle covering the compartment at said discharge opening, a hub formed on said spider and provided with a central recess, a boss formed on the bottom of said container and fitting into said recess with a close running fit to minimize gas leakage, a vertical stem journaled in said boss and carrying said spider, an indexing wheel mounted on said stem beneath said container, and means for rotating said indexing wheel step by step to move said compartments successively to said discharge opening.

2,251,375
OPERATING AND LOCKING SUNSHADE
Edward L. Reed and Frances P. Reed, Oklahoma City, Okla.
Application June 17, 1939, Serial No. 279,619
1 Claim. (Cl. 268—96)



A device for operating a sunshade having louvers pivotally mounted and a strip shiftable longitudinally and pivoted to ends of the louvers and provided with a rack; said device comprising a gear casing, a mounting carried by the casing and adapted to be secured against a side of a window frame and mount the casing transversely of the window frame with one end of the casing abutting the said side of the window frame, a drive shaft and a driven shaft journaled through the casing adjacent opposite ends thereof and extending in opposite directions from opposite sides of the casing, the drive shaft being located between the mounting and the said end of the casing and of a length adapting it to project from the window frame, gearing in the casing for transmitting rotary motion from the drive shaft to the driven shaft, a pinion carried by the driven shaft for meshing with the rack and shifting the strip longitudinally to angularly adjust the louvers when the driven shaft is rotated, and a plate for fitting about and rotatably supporting the outer portion of the driven shaft adapted to be mounted against the window frame and provided with a lip for overlapping the strip and holding its rack in mesh with said pinion.

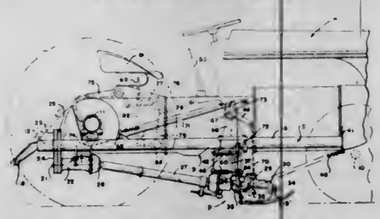
2,251,376
AIR CONDITIONING SYSTEM
Oscar A. Ross, New York, N. Y.
Application August 19, 1937, Serial No. 159,951
2 Claims. (Cl. 257—3)



1. In an air conditioning system, an enclosed space requiring the temperature thereof to be maintained within a desired normal temperature range, a refrigerant circulating system including a cooling unit for cooling said space and a motor driven compressor unit for circulating the refrigerant in said system through said cooling unit, a heating system for heating said space, and thermostatic means controlling said motor driven

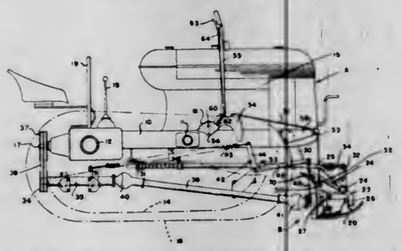
compressor unit responsive to variations in temperature of atmosphere beyond said space for effecting circulation of said refrigerant in said cooling system for predetermined periods alternately with cancelling said circulation for other predetermined periods when said atmospheric temperature is above said desired normal temperature range, and effect operation of said heating system to heat said space when said atmospheric temperature is below said desired normal temperature range.

2,251,377
MOWING MACHINE
Howard W. Simpson, Dearborn, and Aram Abgarian, Detroit, Mich., assignors to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application June 10, 1940, Serial No. 339,801
10 Claims. (Cl. 56—25)



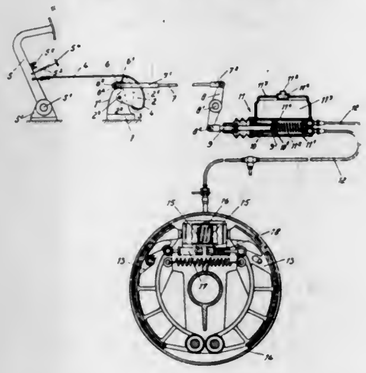
1. In a mowing machine, a tractor provided at spaced points longitudinally thereof with two shafts, one being a clutch actuating shaft and the other being a clutch pedal shaft, levers fixed to said shafts, a connecting rod extending between and pivotally connected to said levers, a pivotally mounted lever carried by the tractor and having a U-shaped portion straddling the rod, collars on said rod, one being fixed to the rod, the other being a follower for the U-shaped portion of the pivoted lever, a coil spring sleeved on said rod between said collars, a mower assembly adjacent the tractor and having a supporting rod universally connected to the tractor, and means for causing the connecting rod to actuate the clutch shaft including means carried by the pivoted lever and engageable by the supporting rod.

2,251,378
MOWER STRUCTURE
Howard W. Simpson, Dearborn, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Original application October 30, 1939, Serial No. 302,043, now Patent No. 2,245,447, dated June 10, 1941. Divided and this application July 15, 1940, Serial No. 345,662
16 Claims. (Cl. 56—25)



1. In a tractor mower assembly, a tractor having a frame, a mower assembly including a mower shoe, means for supporting the assembly from the tractor including a pair of bars pivoted to the frame, a hinge bracket carried by said bars and connected to the shoe, an arm carried by the shoe and engageable with the bracket to limit swinging movement of the shoe, and means connected to the arm for swinging the shoe relative to the bracket and adapted when the arm strikes the bracket to lift the shoe, bracket and bars about the pivots for the latter.

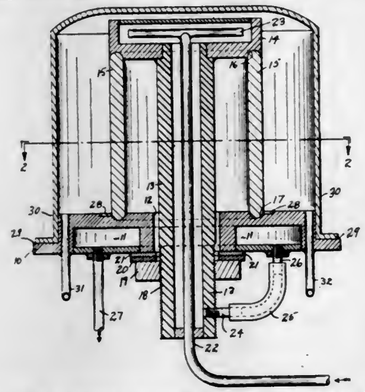
2,251,379
VEHICLE BRAKE MECHANISM
Hermanus van der Hof, Amsterdam, Netherlands
Application March 12, 1938, Serial No. 195,432
In Great Britain March 15, 1937
2 Claims. (Cl. 188—79.5)



1. In a hydraulic brake system for vehicles and the like having an operator-actuated member, a brake drum having a plurality of internal pivotally mounted brake shoes, a fluid brake cylinder to actuate said shoes into contact with the interior periphery of said brake drum, a central reservoir and pump, a fluid connection from said pump to said brake cylinder and operating connections between said actuated member and said pump including a device for increasing the force ratio upon actuation of said member by the operator, continuously operating automatically controlled compensating means for each brake shoe for maintaining the lost motion of the pump piston constant, mounted between the brake shoe and the backing plate, comprising a thrust member slidable within a cylinder, a sharp edged resilient disk like blocking element mounted on said thrust member, said resilient disk being adapted to move freely with said thrust member along the inner wall of said cylinder in one direction, but in the opposite direction forcing itself into said wall to prevent movement of said thrust member relatively to said cylinder.

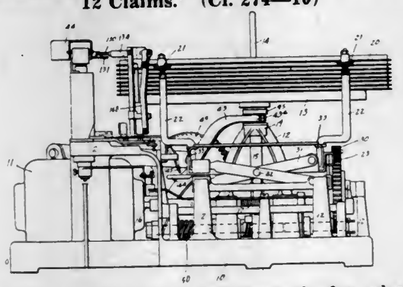
2.251.380
FURNACE UNIT
Ralph Warrender, Sharon, Pa.
Application August 3, 1940, Serial No. 350,924
4 Claims. (Cl. 13—31)

1. In an electric furnace the combination of a gas tight cover having a supporting base member having an opening therein, the said base member serving as a conductor, and a cylindrical resistance heater positioned on the said base member within the said cover by means of an electrode of T shaped cross section positioned axially through the said opening and resistance



heater and adapted to clamp the resistance heater against the said base.

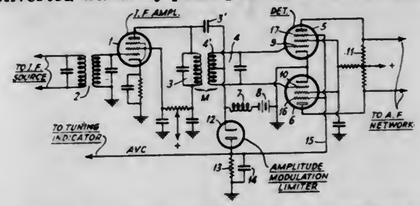
2,251,381
AUTOMATIC PHONOGRAPH
Theodore M. Wright, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application August 4, 1939, Serial No. 288,336
12 Claims. (Cl. 274—10)



4. In an automatic phonograph for playing records of different sizes and including a movable tone arm, mechanism for moving the tone arm toward the record to be played, stop operated means connected with said tone arm for determining the position of play of the latter, a fixed stop engageable by said means to arrest the movement of said tone arm in position at the beginning of play of a record of predetermined size, an auxiliary stop movable into the path of travel of said means to arrest movement of said tone arm for playing a record of a different size, a feeler means including a rockable rod, means operated by rocking movement of said rod in one direction for moving said auxiliary stop into operative position, and a feeler bar affixed to said rod and movable into engagement with the record to be played prior to movement of said tone arm, said feeler bar being operated to rock said rod upon being brought into engagement with a record of said different size.

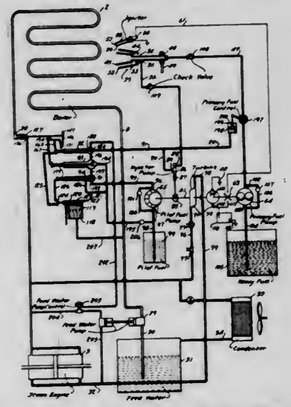
2,251,382
FREQUENCY MODULATED WAVE RECEIVER
George C. Sziklai, Woodside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 4, 1940, Serial No. 338,724
8 Claims. (Cl. 250—20)

1. In a method of receiving frequency modulated carrier waves, collecting such waves subject to amplitude modulation effects, converting said collected waves into waves of constant carrier frequency and variable amplitude, detecting the converted waves by push-pull rectification there-



by deriving modulation voltage from the waves, utilizing the modulation voltage from the collected waves in response to said amplitude modulation, and controlling said push-pull rectification with said unidirectional voltage.

2,251,383
STEAM GENERATING SYSTEM
Frank S. Thomas, Topeka, Kans., assignor of one-half to Fred P. Martin, Topeka, Kans.
Application February 17, 1939, Serial No. 256,920
20 Claims. (Cl. 122—448)



15. In an apparatus of the character described, a generator, a fuel burner for the generator, a readily combustible pilot fuel supply, means connecting the readily combustible pilot fuel supply with the burner, a less readily combustible main fuel supply separate from the pilot fuel supply, means connecting the main fuel supply with the burner, and means responsive to pressure of the readily combustible pilot fuel independently of pressure of the less readily combustible main fuel for controlling delivery of the less readily combustible main fuel supply to the burner.

2,251,384
MOP
Thomas J. Thomas, Cleveland, Ohio, assignor of one-sixth to Cynthia Eleanor Daugherty, Cleveland, Ohio, one-ninth to Belle M. Doran, Lakewood, Ohio, one-ninth to Belle M. Doran, Lakewood, Ohio, as guardian of Kathleen L. Doran, and one-ninth to Josephine D. Henry, Parma, Ohio
Application April 21, 1938, Serial No. 203,304
5 Claims. (Cl. 15—119)

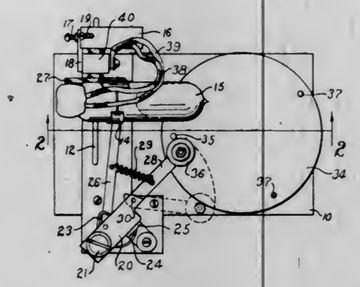
2. In a device of the class described, a mop

head comprised of a pair of normally substantially co-planar plates and an offset hinge joining said plates, said hinge being offset below the plane of the lower faces of the normally coplanar plates, sponge blocks secured to said plates, a handle mounted on one of said plates, a bell crank member pivotably mounted on said



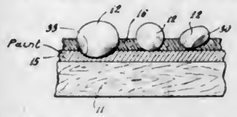
first plate, one arm of said bell crank having an end operable upon and movable across the second of said plates, a sleeve slidably mounted on said handle and connected to the other arm of said bell crank, the actuation of said sleeve causing the second of said plates to pivot about the first of said plates on said offset hinge and compress said sponge blocks between said plates.

2,251,385
MERCURY SWITCH ACTUATING MEANS
Charles W. Wade and Charles A. Denny, Detroit, Mich.
Application August 14, 1940, Serial No. 352,498
7 Claims. (Cl. 200—32)



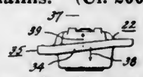
1. In a mercury tube switch actuating mechanism, a switch holder, a rock shaft on which the holder is mounted, means for biasing the holder to one end of the rocking limit thereof, a rocker attached to said shaft and having an outer surface interrupted by a shoulder, a rocker arm spring yieldingly pressing against said surface, and means for reciprocating said arm spring through an arc of travel to carry the arm spring initially across and back of said shoulder and allowing the arm spring to return against the shoulder thereby to swing said rocker arm and consequently said switch from its biased position.

2,251,386
SIGN
Stamford White, Greenwich, Conn.
Application July 23, 1937, Serial No. 155,203
6 Claims. (Cl. 40—130)



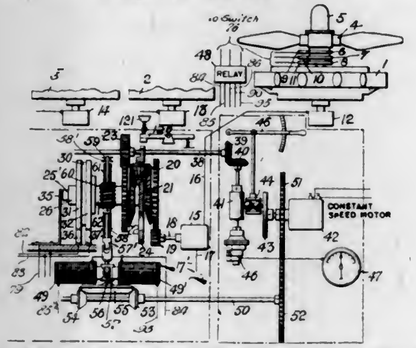
4. A sign comprising a light diffusing backing, a large number of round bodies of transparent material spaced in front of said backing and means for holding said bodies in said position.

2,251,387
IGNITION DISTRIBUTOR
James L. Arthur, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 17, 1939, Serial No. 274,190
10 Claims. (Cl. 200—19)



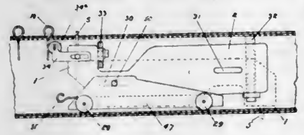
9. A distributor rotor for use with vented distributors in ignition systems for internal combustion engines comprising a distributing conductor, means for making electrical connection between the conductor and a contact of the distributor cap, and a rotor block supporting said conductor and having a flange so shaped as to provide air agitating vanes on opposite sides of the block, said vanes being oblique to the main part of the flange, and said vanes sloping in opposite directions with respect to the axis of rotation of the block.

2,251,388
ENGINE SYNCHRONIZER
Mortimer F. Bates, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 3, 1938, Serial No. 222,785
5 Claims. (Cl. 60—97)



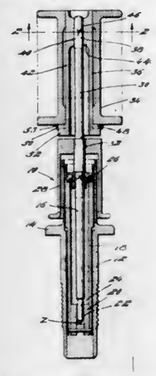
1. An engine synchronizer comprising, means for obtaining a desired constant master speed, a differential gear train, means to drive one arm of said differential from the engine, means to drive another arm of said differential from said first named means, contact means frictionally mounted for rotation by the third arm of said differential, complementary contact means mounted for rotation with respect to said other contact means, means to reversibly rotate said complementary contact means at a predetermined rate of speed in the same direction as said first contact means, a relay operated by said contact means, reversible friction driving means for rotating said complementary contacts, electromagnetic means actuated by said relay to control the direction of rotation of said driving means, and means simultaneously operated by said relay to effect changing of the engine speed.

2,251,389
RIVETING TOOL
Emil Becker, Munich, Germany, and John Edward Becker, Stoney Creek, Ontario, Canada
Application November 14, 1938, Serial No. 240,326
In Germany April 14, 1938
3 Claims. (Cl. 78—51)



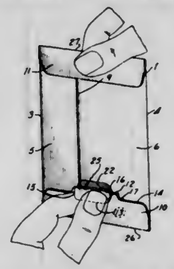
1. A riveting tool comprising an anvil portion, a weighted mass acting on the anvil, a fulcrum upon which the anvil and weighted mass rock, a movable carriage upon which the fulcrum is mounted, an adjustable distance piece carried by the anvil portion to predetermine the height of the rivet head, and an adjustable stop carried by the anvil to regulate the depth to which a rivet may be inserted.

2,251,390
MEANS FOR MOUNTING BOBBINS ON SPINDLES TO DAMPEN THE VIBRATION THEREOF
Herbert G. Beede, Pawtucket, R. I.
Application March 10, 1939, Serial No. 260,970
5 Claims. (Cl. 308—169)



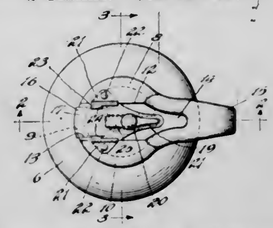
1. A spindle comprising, in combination, a case, a spindle blade extending substantially vertically and substantially centrally of said case, means including an upper bearing for flexibly mounting said spindle blade within the case to provide a point of oscillation therefor between the top and bottom ends thereof, and means to support a bobbin on said spindle blade only at a portion thereof at a distance above said point of oscillation substantially equal in distance to the distance that said lower end of said spindle blade is below said point of oscillation.

2,251,391
QUICK OPENING ENVELOPE
Eugene B. Berkowitz, Kansas City, Mo., assignor to Berkowitz Envelope Company, Kansas City, Mo., a corporation of Delaware
Application January 14, 1939, Serial No. 251,001
5 Claims. (Cl. 229—85)



1. A quick opening envelope including a body portion and a seal flap portion extending along an opening in said body portion through which contents of the envelope is emptied, a gum repellent coating on one of said portions and substantially coextensive with the other and defining restricted sealing space within the area of said gum repellent coating, and gum between said portions, said coating having a character to effect adhesiveness of the moist gum thereto and to repel adhesiveness of the gum when the gum is dry, whereby the gum is effective over the entire coated area including said restricted sealing space when the gum is moist and effective only at said restricted sealing space when the gum is dried.

2,251,392
DISPENSER CLOSURE TOP
Rudolph Bernhardt, Chicago, Ill.
Application June 26, 1939, Serial No. 281,075
2 Claims. (Cl. 65—31)



1. The combination with a dispensing cap for a container, having a pouring spout at one side thereof and having a transverse groove across the top in alignment with the spout, the portion of the groove adjacent to the spout being narrower than the remainder thereof and the opposite end of the groove terminating in a raised abutment, of a closure slide movable in said groove, the closing end of the slide being narrower than the body portion thereof and fitting in the narrow portion of the groove, the other end of the slide being adapted to engage with the abutment to limit the movement in the opening direction, shouldered keepers secured to the cap and projecting inwardly over the slide to hold it in operative position, the narrow portion of the slide at the closure end being adapted to pass between the keepers when the other end of the slide is raised for removing the slide, and a spring coacting with the slide and cap for pressing the slide to closing position.

2,251,393

COMPOSITION OF MATTER AND PROCESS FOR PREVENTING WATER-IN-OIL EMULSIONS RESULTING FROM ACIDIZATION OF CALCAREOUS OIL-BEARING STRATA

Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application August 17, 1940, Serial No. 353,128
18 Claims. (Cl. 166—21)

10. A process for preventing water-in-oil type emulsions resulting from acidization of calcareous oil-bearing strata, which consists in introducing into the cognate fluids of a well prior to emergence, a chemical compound derived by a heat reaction involving, one mole of tetraethylene pentamine and one mole of ricinoleic acid; said reaction being conducted at a temperature in excess of 250° C. and under conditions so as to cause the elimination of the carbonyl oxygen atoms with the formation of a saponification and hydrolysis-resistant, cation-active compound.

2,251,394

SOFTENED RUBBER

Warren F. Busse, Akron, and Edward N. Cunningham, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 11, 1938, Serial No. 207,327
4 Claims. (Cl. 260—761)

1. The method of softening crude rubber which comprises heating rubber at at least about 170° F. with a small proportion of a thianthrene.

2,251,395

TABLE TOP

Phillip D. Campbell, Kansas City, Mo.

Application November 20, 1939, Serial No. 305,225
5 Claims. (Cl. 311—107)



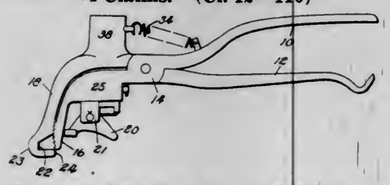
1. The combination with a table top having edge walls, of a longitudinally, undulated resilient member secured to each of said edge walls, and a band having inwardly projecting, resilient members adapted to be positioned on said table top to cooperate with said undulated members to secure the edges of a table cover sheet therebetween.

2,251,396

LASTING TOOL

Ernest Casavant, Brockton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application April 10, 1940, Serial No. 328,852
4 Claims. (Cl. 12—110)



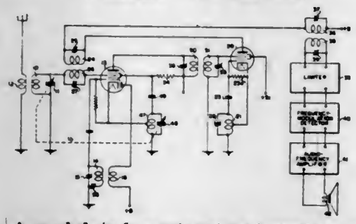
1. In a hand lasting pincer of the type comprising crossed levers the longer ends of which serve as handles and the shorter ends of which are formed as gripper jaws, a gripper jaw having an enlarged end portion provided with a recess opening toward the other gripper jaw and constructed and arranged to receive an outwardly projecting sole-attaching extension of a shoe upper and having a gripping surface between said recess and the end of the jaw.

2,251,397

WAVE-SIGNAL RECEIVER INCLUDING DUPLEX FREQUENCY-CHANGER STAGES

Nelson P. Case, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application July 5, 1940, Serial No. 343,939
5 Claims. (Cl. 250—20)



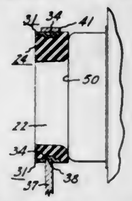
1. A modulated-carrier signal receiver comprising, a carrier-signal frequency-converting stage including one or more input circuits and a given number of output circuits, means for selecting and applying a desired received carrier signal to one of said input circuits, means for applying to one of said input circuits oscillations of a frequency having a predetermined relation to that of said selected signal for heterodyning with said selected signal, means for deriving from the heterodyne components so produced in one of said output circuits an intermediate-frequency carrier signal, means for feeding back said intermediate-frequency carrier signal to one of said input circuits and for producing in one of said output circuits another intermediate-frequency carrier signal, and means for translating and reproducing said other intermediate-frequency carrier signal.

2,251,398

MOTOR MOUNTING

George D. Clark, Warren, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 29, 1939, Serial No. 276,357
5 Claims. (Cl. 248—26)



1. In combination with an electric motor having a non-rounded boss including a support, of a continuous annular resilient member comprising a ring having a plurality of depressions on the outer periphery thereof fitted about the boss with the depressions adjacent the corners of the boss, a removable split metallic ring disposed about the resilient member depressions, and a metallic clamping member cooperating with the split ring disposed about the resilient member for holding the resilient member under compression by engaging the high portions only on the periphery thereof whereby the resilient member is spread outwardly at the depressions thereof for preventing excessive compression of the resilient member within the metallic ring.

2,251,399

STORAGE BATTERY EXPANDER

Robert M. Cole, Bryn Athyn, Pa.

No Drawing. Application August 2, 1939, Serial No. 287,955
6 Claims. (Cl. 136—26)

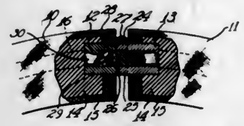
1. For a storage battery, a plate of the lead oxide type containing an oxidizing-reducing couplet chosen from the class consisting of hematine-hematoxylin, brazilin-brazilone, quercitin-quercitone and maclurin-morin.

2,251,400

FASTENING STRIP MATERIAL

Russell S. Colley, Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application March 30, 1939, Serial No. 264,938
11 Claims. (Cl. 24—38)



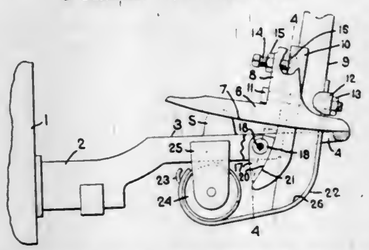
8. A belt joint comprising a pair of V-belt ends each having a body of rubber-like material and a flexible tension structure, means within said belt ends engaging said tension structure and having laterally engageable elements projecting through the end faces of the belt ends, and means for connecting said elements against lateral movement, said elements and connecting means being disposed wholly within the side driving faces of the belt.

2,251,401

PARALLEL MOTION PICKER STICK MECHANISM FOR LOOMS

Harry A. Davis, Hopedale, Mass.

Application October 24, 1940, Serial No. 362,551
6 Claims. (Cl. 139—150)



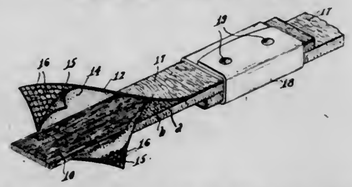
1. In a parallel motion picker stick mechanism for a loom having a rocker stand provided with a longitudinal slot, a rocker mounted on said stand and a picker stick having a metal tongue secured to said rocker and extending through the slot in said rocker stand, a bearing for said picker stick comprising an oscillatory abutment member pivotally mounted on said stand within said slot having a long longitudinally convexedly curved bearing surface and a complementary long concavedly curved bearing surface on the tongue of said picker stick contacting therewith substantially throughout its length and means for maintaining continuous engagement of said complementary surfaces during the actuation of the picker stick, whereby proper alinement of the picker stick mechanism will be maintained.

2,251,402

TIE FOR BOXES, BALES, AND THE LIKE

Ralph L. Drew, North Plymouth, Mass., assignor to Plymouth Cordage Company, North Plymouth, Mass., a corporation of Massachusetts

Application August 18, 1937, Serial No. 159,669
10 Claims. (Cl. 154—43)



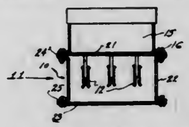
2. A tie for boxes, bales and the like comprising a main tension element of long-staple fibre of bast or leaf origin arranged in a flat-sided strap-form mass which has substantial thickness and has breadth exceeding its thickness, combined with a flexible waterproof casing surrounding the mass and adhesively engaged with fibres of the said mass at surface regions of that mass, there being a substantial body of fibre comprising a portion of said mass located inward from the surface fibres of the mass, in which inward body the individual fibres are free from attachment together by any intermediary substance and are free from such attachment to said surface fibres, whereby said inward fibres are combined in strap form and yet, subject only to friction, are free to slip relative to each other and relative to the surface fibres.

2,251,403

ELECTRICAL DISTRIBUTION SYSTEM

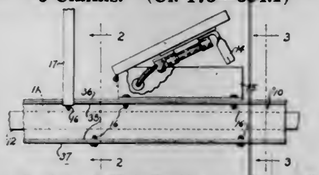
William H. Frank and Joseph W. Harper, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia

Application March 27, 1939, Serial No. 264,354
2 Claims. (Cl. 173—334.1)



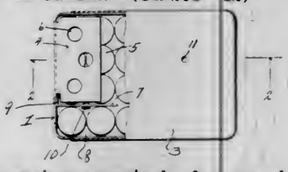
1. An electrical distribution system of the bus duct and plug type comprising a longitudinally divided quadrilateral cross section casing or duct of elongated sheet metal casing parts, bus bars in the duct and accessible through holes of the duct, and plugs adapted to be secured to the duct and having prongs entering the duct through the holes thereof and engaging the bus bars, continuous flanges projecting from and extending longitudinally of said duct at the four edges thereof, the flanges being formed to permit plugs and duct supports to be secured directly to them, and to permit duct parts to be intersecured.

2,251,404
ELECTRICAL DISTRIBUTION SYSTEM
William H. Frank and Joseph W. Harper, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application December 16, 1940, Serial No. 370,252
6 Claims. (Cl. 173—334.1)



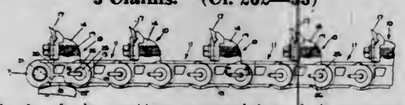
1. An electrical distribution system of the bus duct and plug type comprising a longitudinally divided quadrilateral cross section casing or duct of four separate and distinct elongated sheet metal casing parts, formed of two pairs, with the two parts of each pair being similar, and the two pairs being different, bus bars in the duct and accessible through holes of the duct, and plugs adapted to be secured to the duct and having prongs entering the duct through the holes thereof and engaging the bus bars, continuous flanges projecting from and extending longitudinally of said duct at the four edges thereof, integral with said parts, the flanges being formed to permit plugs and duct supports to be secured directly to them, and to permit duct parts to be intersecured.

2,251,405
DISPENSING BOX
William T. Holland, Stockton, Calif.
Application November 9, 1939, Serial No. 303,696
11 Claims. (Cl. 206—42)



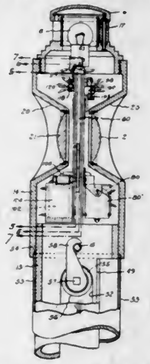
1. A dispensing receptacle for round objects of the nature of tablets and pills, a shiftable member forming a part of the receptacle and when moved to one position uncovering a discharge opening of a size to permit a single object to pass out of the receptacle, a guide member within the receptacle between two spaced walls thereof and forming in association with one of the said walls a receiving area for a number of said objects, and a gravity actuated shiftable stop member carried by said guide for controlling the advance of said objects singly through said area to said discharge opening.

2,251,406
CUTTER CHAIN
Phillip J. Horrigan, New Philadelphia, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 15, 1939, Serial No. 279,328
3 Claims. (Cl. 262—33)



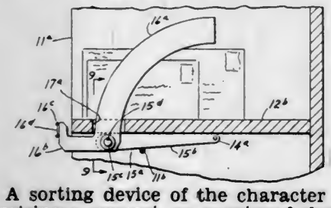
1. A chain cutter comprising interconnected bit carrying links and non-bit carrying connecting links, each type of link having a bearing surface adapted to bear against and be driven by a drive sprocket tooth, and each bit carrying link and each non-bit carrying link having side openings and top openings for egress of fines to prevent interference with the sprocket teeth, there being a sprocket tooth in driving engagement with each link whether of the bit-carrying type or non-bit carrying type.

2,251,407
VEHICLE PARKING DEVICE
Herman S. Johns, Oklahoma City, Okla., assignor to Wiley W. Lowrey, Oklahoma City, Okla.
Application September 20, 1937, Serial No. 164,728
22 Claims. (Cl. 194—9)



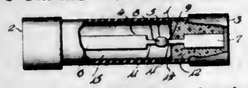
1. A coin receiving parking device including, a housing, timing mechanism within the housing, actuating means for said mechanism, a single electrically operated lamp carried by the housing and visible from the exterior thereof, means for illuminating the lamp in different degrees, means within the housing actuated by the entrance of a vehicle into the parking space adjacent the housing for controlling the operation of the time mechanism actuating means and also for controlling the operation of the lamp illuminating means to change the degree of illumination of said lamp, and means actuated by the insertion of a coin for actuating the illuminating means to de-energize the lamp to extinguish the same.

2,251,408
SORTING DEVICE
Thomas M. Johnson, Sharon Center, Ohio
Application February 16, 1940, Serial No. 319,266
8 Claims. (Cl. 211—10)



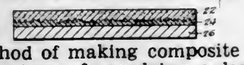
1. A sorting device of the character described comprising a support, an apertured shelf mounted on said support, a member mounted to be shiftable from and toward the underside of said shelf, spaced elements on said shiftable member, each element projecting upwardly through an aperture in the shelf to subdivide the space above the shelf into a series of pigeonholes when the member is in raised position, and releasable means for retaining said member in said raised position, said means being releasable to permit said member to shift downwardly and thereby withdraw said elements from the space above the top surface of the shelf.

2,251,409
ELECTRIC FUSE
Franklin S. Klein, Malverne, N. Y.
Application May 15, 1939, Serial No. 273,882
5 Claims. (Cl. 200—119)



1. An enclosed electric fuse having a casing with contact terminals and a fuse link of the delay action type comprising a fusible strip divided into two sections, and having one end of each section bridged together by a relatively short body of metal having a greater current carrying capacity and a lower melting point than said sections, said sections having the capacity to carry a normal temporary overload in an electric circuit and be heated by an abnormal overload and thereby displace said body of metal, and also be fused by a short circuit in said electric circuit; in combination with said casing and fuse link, a body of material which is heat conducting, flameproof, unmanageable, and arranged to form an unmanageable mass which includes a portion of said casing and a substantial portion of at least one of said fusible sections, a relatively short portion of a fusible section of said strip and said body of metal extending clear of said mass whereby, said mass may conduct heat directly from the fusible section to delay the melting of said body of metal, and block an electric arc close to the beginning of a rupture in the link, and prevent tampering with the value of said fuse link.

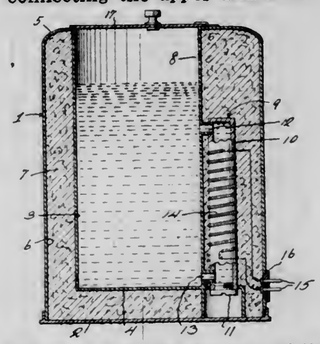
2,251,410
COMPOSITE METAL STRUCTURE AND METHOD OF MAKING SAME
Roland P. Koehring and Arthur R. Shaw, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 27, 1939, Serial No. 270,291
10 Claims. (Cl. 29—189)



1. A method of making composite stock, comprising the steps of; applying a layer of loose non-compacted metal powder upon a reinforcing member of a dense metal; sintering the member with the powdered metal thereon under suitable conditions for causing the powdered metal to sinter together and form a strong porous metal layer and simultaneously bond to the dense metal member; and then compacting a layer of metal powder upon the porous metal layer; and then sintering the assembly for integrating the layers, whereby the compacted powdered metal layer is sintered together and is firmly attached to the dense metal member by means of the highly porous intermediate layer.

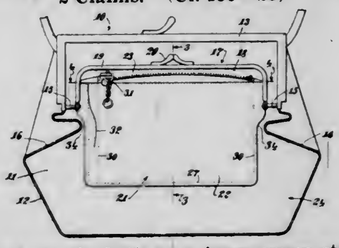
2,251,411
WATER HEATER
Willard F. Metzgar, Polk, Nebr.
Application July 5, 1940, Serial No. 344,145
2 Claims. (Cl. 219—39)

1. An electric water heater, comprising a water receptacle, a casing enclosing the receptacle, the casing and receptacle being integrally connected at their upper ends, said receptacle having a removable cover, a heating unit interposed between the casing and the receptacle and comprising a tubular body closed at its upper and lower ends and disposed vertically at and in close proximity to the side of the receptacle, coupling nipples connecting the upper and lower ends of



the tubular body with the interior of the receptacle and supporting the body upon the receptacle, the tubular body having an electric heating resistance wire thereabout, an insulation material filling the space between the receptacle and the casing, and terminals connected to the ends of said wire and extending through the casing to facilitate the attachment of an electric current carrying line with the ends of the resistance element of the heating unit.

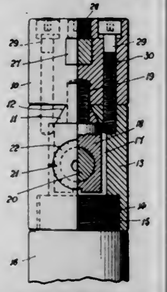
2,251,412
HANDBAG
George L. Meyers, Norwalk, Conn., assignor to Meyers Manufacturing Co., New York, N. Y., a partnership consisting of George L. Meyers, Henry Meyers, and Samuel Meyers, all of Norwalk, Conn.
Application August 3, 1939, Serial No. 288,063
2 Claims. (Cl. 150—28)



1. A device including an inner purse structure for a lady's handbag, including a bag body having end gussets in the lower portion thereof, a frame having U-shaped frame members having top portions and downwardly extending arms, pintles above said gussets hingedly interconnecting said arms at their lower ends and projecting outward of the frame members to pivotally support the frame on said bag body, a first purse body connected to the frame members, said purse body being openable and closeable by the latter, and a second purse body supported by one of the frame members and being disposed alongside of the first purse body so as to be pivotally supported as a unit with the latter, the second purse body having inner and outer walls connected to the first purse body at the bottom thereof, the inner wall

being stitched at its ends to the first purse body and being free of the latter at the top to form an intermediate pocket, the frame members having channels in which the first purse body is clamped, the ends of the upper portion of said outer wall being clamped in the channels of the adjacent frame member, the ends of the lower portion of said outer wall being stitched to the first purse body, the bodies of both purses being undercut below the frame members so that the length of the lower portions of the purse bodies is less than that of the upper portions thereof so as to clear said end gussets, a slide fastener closure for the second purse body in external relation to the first purse body, said slide fastener being below the top portions of the frame members and being located wholly between the arms of the latter, and a gusset at an end of the upper portion of the second purse body.

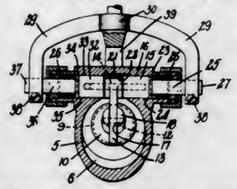
2,251,413
BORING BAR
James A. Munkebo, Detroit, Mich.
Application March 6, 1939, Serial No. 260,074
1 Claim. (Cl. 279—6)



A boring bar, comprising a rod having a work penetrating end, abutting inner and outer adjustably connected sections of substantially uniform sizes forming the extremity of said penetrating end, a bit fastened directly in the outer section for lateral displacement beyond one side thereof, the inner section being tubular, an extension separably secured to the outer section and laterally movable in the bore of said inner section, dovetailed connections between the sections at the point of fastening of the extension with said outer section, a diametrically disposed adjusting screw journaled in opposite sides of the tubular inner section and engaging the extension for the lateral adjustment of the outer section relative to the inner section and changing the position of the bit independently of its adjustment, locking screws engaging the inner and outer sections in the direction of the length of the rod and accessible at the outermost end face of the outer section for securing both sections together in conformity to the adjustment of said outer section, and a shank on which said inner tubular section is threaded and shouldered, all of the foregoing elements being confined substantially within a circular area defined by the end of said shank.

2,251,414
VALVE
Enoch E. Neal, Malden, Mass.
Application October 29, 1940, Serial No. 363,242
8 Claims. (Cl. 251—10)

1. A valve of the character described comprising, in combination, a casing provided with a chamber therein having inlet and discharge passages for a pressure fluid communicating therewith, a valve seat within said chamber at said discharge passage, a bearing member rotatably mounted in said casing, a gravity and pressure actuated valve member pivotally mounted upon said bearing member to close against said seat, an actuating member for said valve member loosely interlocked therewith to permit a slight amount of



lost motion therebetween and mounted in the casing in axial alignment with the bearing member and interchangeable therewith, and means to operate said actuating member to open and close the valve member relatively to its seat, said valve member also being arranged to open automatically to permit the pressure fluid to drain rearwardly through the valve when the pressure of the fluid is relieved.

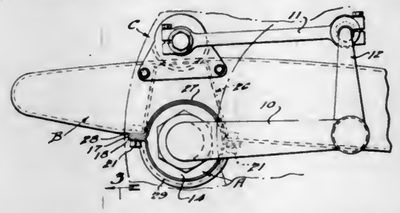
2,251,415
SCREEN
Thomas J. O'Donnell, Chicago, Ill., assignor to Buel E. Hutchinson, Chicago, Ill.
Application March 10, 1939, Serial No. 260,929
7 Claims. (Cl. 156—14)



1. In a window closure of the kind described, a binding rail, a tubular housing carried by said rail at one side thereof, an arm slidable in said housing, a handle pivotally connected to said arm normally extending in a direction substantially parallel to said housing at the same side of said rail, a sill engaging member pivotally connected to said handle, and means for urging said arm away from the sill.

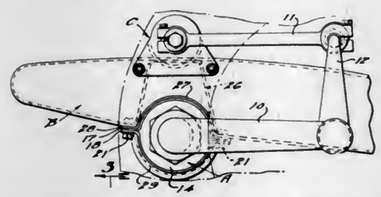
2,251,416
SPRING AND METHOD OF MAKING SAME
Glenn H. Parker, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 1, 1939, Serial No. 259,202
2 Claims. (Cl. 267—21)

1. In a connection of the character described, an inner metallic member, an annular torsionally active plastic body secured to said inner member, a pair of metallic segments each having a hemi-cylindrical body portion bonded to said plastic body in embracing relation therewith, each of said segment body portions having a pair of substantially diametrically disposed terminal flanges extending radially outwardly therefrom and joined thereto by rounded shoulder portions, the adjacent flanges at opposite sides of said plastic body being urged apart by said plastic body,



and means for holding the adjacent flanges relatively displaced toward each other to maintain said plastic body under radial compressive stress, said plastic body having a pair of diametrically disposed outwardly extending ribs respectively bonded to the rounded shoulder portions of each adjacent pair of flanges.

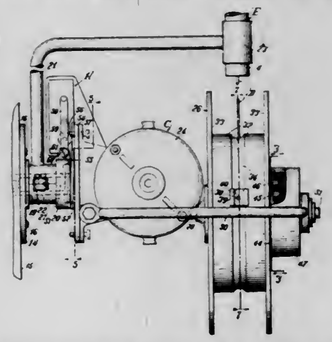
2,251,417
METHOD OF MAKING TORSION SPRINGS
Glenn H. Parker, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application March 1, 1939, Serial No. 259,202. Divided and this application October 26, 1939, Serial No. 301,480
1 Claim. (Cl. 29—149.5)



The method of making a torsion bearing which comprises assembling a body of vulcanizable plastic material around a shaft and within a pair of rigid hemi-cylindrical segments each having flanges adjacent the terminal edges thereof, introducing a spacer between adjacent flanges of the segment for holding the segments in relation to the shaft, vulcanizing the plastic body in bonded adhesion to said shaft and segments with ribbed portions of said body projecting radially outwardly therefrom to said spacers, removing said spacers while the plastic material cools from the heat of vulcanization to permit the segments to move toward each other during shrinkage of the material, and mounting the assembly with the flanges of the segments clamped together to hold the plastic body under radial compressive stress.

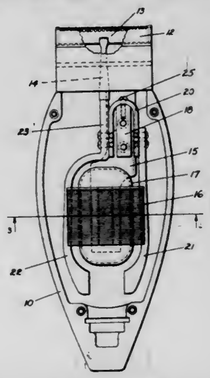
2,251,418
AIRCRAFT ANTENNA
Roy D. Pavlik, Kenilworth, Ill.
Application July 3, 1939, Serial No. 282,753
12 Claims. (Cl. 250—33)

1. An antenna assembly for airplanes comprising an antenna wire, a reel to which one end of the wire is connected, a drag-device at the free end of the wire, guiding means for the wire mounted on the fuselage of the ship at positions spaced apart substantially horizontally the minimum effective length of the antenna, and means for rotating the reel to either reel out or reel in the wire between its minimum and maximum effective lengths, said means comprising a reversible motor, irreversible driving means through which the motor turns the reel selectively in either direction, alternative circuits for the motor



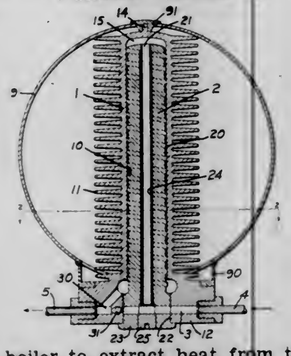
for causing the motor to rotate in either direction, a manually operable control switch for selectively closing or opening either circuit whereby the antenna may be adjusted to and held at any desired length between its maximum and minimum effective lengths, and a normally open switch in the reeling-out circuit, said switch being positioned within the reel and held closed by the first turn of wire on the reel.

2,251,419
VIBRATORY MOTOR
Robert S. Prescott, Brookline, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application March 9, 1939, Serial No. 260,787
8 Claims. (Cl. 172—126)



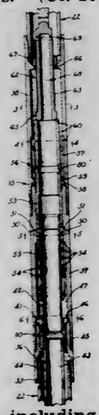
1. A vibratory motor having an elongated electro-magnetic core with windings thereon, a resilient U-shaped member narrower than the core, carrying armature arms disposed adjacent to opposite sides of said core and arranged to vibrate toward and from it, the bend of the U-shaped member being offset laterally with respect to the longitudinal axis of said core and one branch of said member being located substantially in line with the axis of said core, and an operating arm attached to one side of the bend and projecting away from the core.

2,251,420
BOILER FOR AIRCRAFT HEATING SYSTEMS
Nathan C. Price, Seattle, Wash., assignor, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Original application August 23, 1937, Serial No. 160,372. Divided and this application November 20, 1937, Serial No. 175,682
7 Claims. (Cl. 122—7)



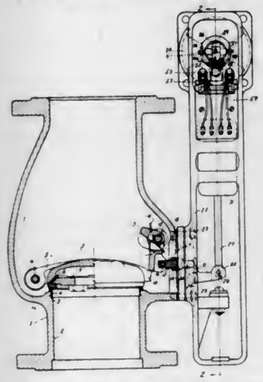
1. A boiler to extract heat from the exhaust gas of an airplane engine or the like, comprising an externally finned, smooth bored sleeve for disposition in the exhaust stack of such engine, a hollow core removably secured within the sleeve's bore, helically disposed external ribs on said core lying closely adjacent such bore to define a helical path for a fluid, delivered thereto from the bore of said core, passages in the sleeve communicating with the opposite end of the core's bore, and with the discharge end of the helical path, for delivery and drainage of fluid, and valve means in the passages to prevent by-passing of the fluid through such passages, when the fluid is moving under pressure, in a given direction through the boiler.

2,251,421
FLOW APPARATUS FOR OIL WELLS
Chester A. Rasmussen, Long Beach, Calif., assignor to Rasmussen Service Company, Long Beach, Calif., a corporation of California
Application March 13, 1939, Serial No. 261,464
8 Claims. (Cl. 103—232)



1. In an oil well including a bore hole with a casing, the combination of: a string of tubing within the casing; a packer in the annular space between said tubing and casing sealing off an upper annular chamber for fluid under pressure; walls forming a fluid passage leading from said pressure chamber to the interior of said string of tubing at a relatively deep level a substantial distance below the packer; and valve means in the well movable through a plurality of open positions to permit various rates of fluid flow into the tubing through said passage.

2,251,422
DRY PIPE VALVE
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application February 23, 1940, Serial No. 320,280
7 Claims. (Cl. 169—17)

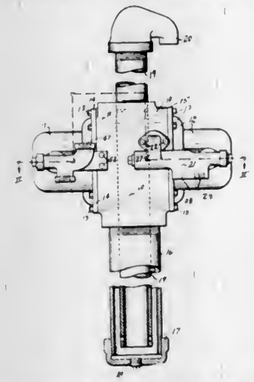


2. The combination of a dry pipe valve and actuating mechanism therefor, the said valve comprising a body having a clapper hinged therein adapted to close a water inlet therein, latch means for normally maintaining the clapper in closed position, said latch means controlled by the said actuating mechanism comprising a weight actuated lever arm connected with the said latch means, a water tight diaphragm positioned between the said latch means and the said lever arm through which a portion of the said latch means passes, a weight slidably positioned upon a guide rod pivoted to the said lever arm, means for suspending the weight above the lever arm, said means comprising a barbed shaft movably affixed to the said weight and a pivoted barb latch positioned adjacent the said barbed shaft so as to normally support the said weight thereby, a diaphragm positioned on a supporting frame between a coil spring and an air pressure chamber and adjacent an end of the said barb latch, a ledge formed on the diaphragm for normally holding the barb latch in latched position so that slight reduction of air pressure in the air pressure chamber permits the coil spring to move the diaphragm and disengage the end of the barb latch therefrom so as to effectively release the weight.

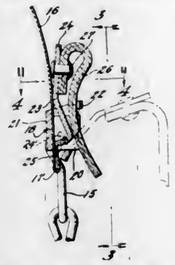
2,251,423
AIR PUMP AND ALARM UNIT
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application August 10, 1940, Serial No. 352,086
4 Claims. (Cl. 230—111)

1. In a water actuated air pump having a hollow body member, an opening in the said hollow body member, a water actuated air injector

in communication with the said hollow body member, a water valve associated with the said injector, pressure responsive means responsive to either an increase or decrease of pressure within the said hollow body member for controlling the admission of water to the said water actuated air injector, said means comprising a sleeve positioned in the said opening and extending inwardly therefrom, a piston telescopically engaging said sleeve, an annular flexible member affixed to the said piston and to the said hollow body member so as to form a water tight seal therebetween, levers connecting the said piston and the said water valve and means associated with the said levers for limiting the movement thereof to a snap like action at such time as air within the hollow body member reaches a predetermined pressure as determined by the said limiting means, and means including a vertically positioned water column forming an air seal for conducting the water away from the said body member.

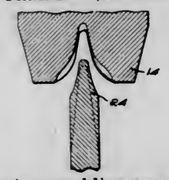


2,251,424
TIRE CHAIN
John W. Sailler, Pleasant Ridge, Mich.; assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application February 23, 1939, Serial No. 257,876
7 Claims. (Cl. 152—237)



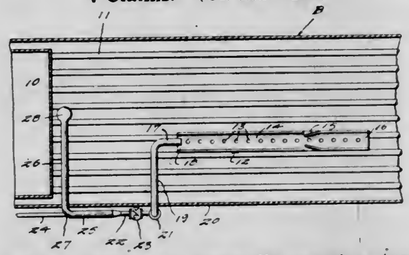
1. In an anti-skid device for a ground wheel, a chain, a buckle member connected with one end of said chain, said buckle member including a channel portion having side and bottom walls and a portion extending inwardly with respect to said channel portion in spaced relation to the bottom wall thereof, a sheet metal attaching strap member connected with the other end of said chain and having a normally free end adapted to extend into said channel when said device is applied to a ground wheel, said strap member having an abutment adjacent said normally free end, a clasp member pivotally mounted in said channel portion and engageable with said abutment, and a non-metallic strip carried by one of said members and having a normally free end portion extending between said inwardly extending buckle portion and said clasp portion positioning the latter to engage said abutment.

2,251,425
MOLDING MACHINE
Jean H. Scharffenberg, Lynn, Mass., assignor to Stewart Bros. Inc. of Lynn, Lynn, Mass., a corporation of Massachusetts
Application April 8, 1940, Serial No. 328,455
2 Claims. (Cl. 12—66)



1. In a counter molding machine, the combination of a cross girt, a solid female mold adjustably suspended from the cross girt and having a V-shaped cavity sharply concave at its inner end, and a complementary wedge-shaped plug mounted in the machine for movement in and out of the female mold.

2,251,426
SYSTEM FOR SUPPLYING FEED WATER TO BOILERS
Julian W. Schmid, Springfield, Mo.
Application March 8, 1940, Serial No. 323,029
7 Claims. (Cl. 122—414)

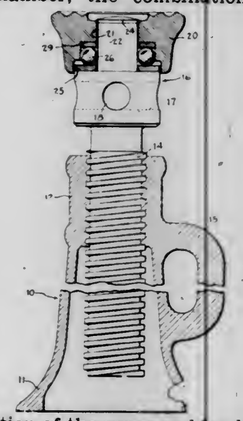


1. In a boiler, an upwardly opening trough open at each end, means supporting the trough in the boiler, a pipe discharging into one end of said trough, the opposite end of said pipe being open and positioned within the boiler below the normal water level, a pump interposed in said pipe, and means discharging feed water into said pipe between said pump and the discharge end of said pipe.

2,251,427
LIFTING JACK
Frank H. Schwerin, Bellevue, Pa., assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 11, 1938, Serial No. 218,499
2 Claims. (Cl. 254—98)

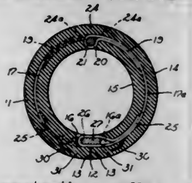
2. In a rising-screw lifting jack of the class wherein a rotatable screw threads through a frame and a load-supporting top is rotatable with respect to the screw and has an opening into which an upper end portion of the screw extends, and a capstan portion of the screw is of larger diameter than said upper end portion

and cooperates with a recess in the lower side of said top to form an annular chamber for a ball-bearing, the side of said recess extending down toward the capstan portion of the screw and forming a skirt for excluding dirt from the annular chamber, the combination with said



capstan portion of the screw and load-supporting top of balls located within the annular chamber, an upper washer in said recess above the balls, and a lower washer located below the balls and resting on the upper surface of the capstan portion of the screw, both of said washers having hardened faces in contact with the ball.

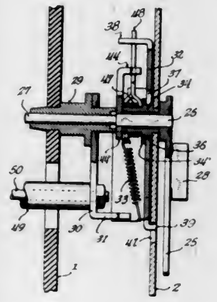
2,251,428
DRILL PIPE PROTECTOR
Walter G. L. Smith, Los Angeles, Calif.
Application December 23, 1939, Serial No. 310,714
5 Claims. (Cl. 308—4)



1. A pipe protecting collar, comprising: two semi-cylindrical metal frames, one of said frames being pivotally connected along one of its longitudinal terminal edges to the other of said frames along one of its longitudinal terminal edges in a manner to permit said frames being swung apart about the axis of said connection to receive a pipe; releasable means for securing together said frames at their other longitudinal terminal edges; and non-metallic means secured to said frames for contacting a surrounding pipe including resilient means disposed to be elastically deformed when said frames are swung apart to yieldably urge said frames together about said pivotally connected edges, said non-metallic means being non-continuous between said releasably securable edges.

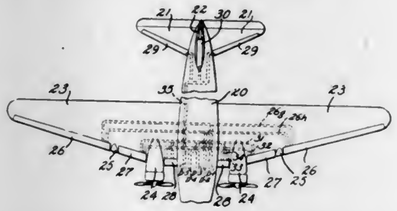
2,251,429
TIME SWITCH
Emil F. Swensen, Manitowoc, Wis., assignor to Paragon Electric Company, Chicago, Ill., a corporation of Illinois
Application May 31, 1940, Serial No. 338,078
11 Claims. (Cl. 200—39)

1. A time switch comprising a pair of contacts, a switch operator for causing relative movement of said contacts, a sliding and rocking cradle for moving said switch operator back and forth, said cradle being slidable with reference to said operator without imparting motion to said operator, latch means released by the sliding motion of



said cradle for locking said operator in either of two positions, spring means for rocking said cradle back and forth, an operating arm for storing energy in said spring means and for rocking said cradle, and time mechanism for rocking said operating arm.

2,251,430
INFLATION SYSTEM AND APPARATUS FOR OPERATING THE SAME
Myron L. Taylor, Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 19, 1940, Serial No. 314,619
9 Claims. (Cl. 244—134)

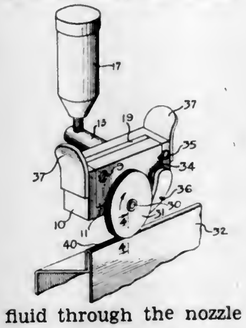


1. A system of inflation units for aircraft comprising inflatable units arranged on port and starboard airfoils of the aircraft with a plurality of said units on each of said airfoils said inflatable units being disposed on each airfoil at positions along the airfoil span-wise thereof, and means for inflating units on one of said airfoils in alternation one with another and together with corresponding units on the other of said airfoils.

2,251,431
STRIPING INSTRUMENT
August J. Tegethoff, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 14, 1938, Serial No. 229,802
4 Claims. (Cl. 91—62.6)

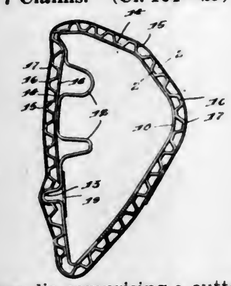
3. In a device for striping the edge portion of an article, an applicator roller having a grooved peripheral face, a nozzle having an outlet end

extending within the leading portion of the grooved face of the roller, and means for feed-



ing striping fluid through the nozzle and onto the roller.

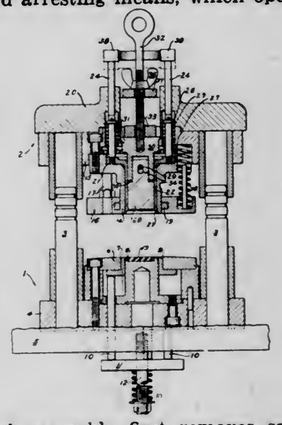
2,251,432
CUTTING DIE
John M. Wall and Jacob W. Albrecht, Syracuse, N. Y.
Application April 26, 1940, Serial No. 331,834
7 Claims. (Cl. 164—29)



1. A cutting die comprising a cutter blade bent to the desired form, a reinforcing member comprising a thin, flexible, strip extending parallel with said blade and in spaced relation thereto, the spacing means being obtained by spaced conical protuberances formed in one of said members, and the peaks of said protuberances being fixedly secured to said other member; said blade being formed with a plurality of spaced triangular projections arranged in truss formation intermediate said blade and strip, and said projections being fixedly secured to said blade and strip.

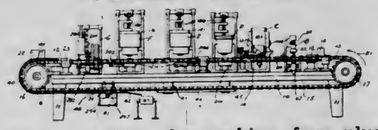
2,251,433
CAP MAKING APPARATUS
Roy M. Wareham, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 26, 1938, Serial No. 204,483
3 Claims. (Cl. 113—42)

1. In cap-making apparatus, a reciprocable punch assembly including a punch, an ejector, a plunger, and a support for said plunger, said punch, said ejector, and said plunger being axially movable relative to each other, in combination with means for arresting retraction of said ejector during retraction of said punch assembly, said punch, said ejector, and said plunger providing adjoining cap-forming surfaces at the completion of the forming stroke of said assembly, said plunger and said plunger support having a lost motion connection whereby in the retraction of said punch assembly initial axial retraction of said punch and said ejector relative to said plunger precedes retraction of said plunger until the lost motion effect of said connection is overcome, whereupon retraction of said plunger occurs past the uppermost portion of the cap-forming surface of said ejector following retardation of the retraction of said ejector by said arresting means, which operation of



said punch assembly first removes said punch and said ejector from contact with the formed cap, and thereafter brings said ejector into a position relative to said plunger in which the ejector is adapted to strip from said plunger a formed cap adhering thereto.

2,251,434
MACHINE FOR MANUFACTURING ELECTRIC FUSE PLUGS
Leo Weiss and Louis Ludwig, Brooklyn, N. Y.
Application August 17, 1937, Serial No. 159,468
10 Claims. (Cl. 29—33)

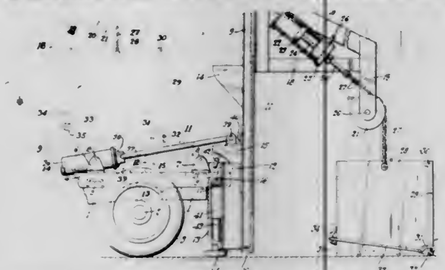


1. In a machine for making fuse plugs, in combination, a rotatably mounted support for a roll of flat fuse metal, means for unwinding the roll and flattening irregularities in the fuse metal, means for feeding flat fuse metal intermittently to positions at which fuse links are to be formed, means for severing, forming, and gripping fuse links, and means for inserting a fuse link in a fuse plug.

2,251,435
TIPPING VEHICLE
William C. Anthony, Streator, Ill., assignor to Anthony Company, Streator, Ill., a corporation of Illinois
Application August 18, 1939, Serial No. 290,765
13 Claims. (Cl. 214—77)

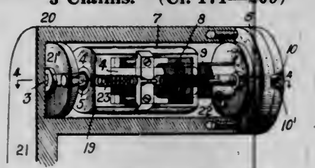
1. In combination with a support, a load-carrying platform mounted thereon for tipping with relation thereto, hydraulic power means, including a cylinder, for tipping said platform, a crane mechanism mounted upon said platform and including a load-supporting structure additional to said platform and a hydraulic cylinder and piston supported from said platform, and a bucket supported from said crane, supporting means extending from said bucket to said last mentioned cylinder and connections between both cylinders whereby, when the tipping cylinder is actuated, both cylinders are actuated, the crane mecha-

nism extending above the load carrying platform a distance such that when the platform is in the



tipped position, the bucket hangs free, out of contact with the platform.

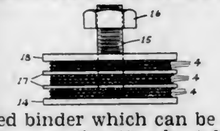
2,251,436
VIBRATION MEASURING AND RECORDING APPARATUS
George P. Bentley, Wollaston, and Charles S. Draper, Boston, Mass., assignors to Research Corporation, New York, N. Y., a corporation of New York
Application March 30, 1937, Serial No. 133,834
3 Claims. (Cl. 171—209)



1. A means for converting energy of vibratory mechanical motion in a given direction into electric energy comprising, in combination, a spring restrained magnet, said magnet being substantially unaffected by vibratory motions of the instrument case above a predetermined frequency, a coil of wire secured to the instrument case though electrically insulated therefrom and extending through a radial magnetic field established by said magnet, relative motion between said coil and said magnet being substantially equal to the vibratory motion along the instrument axis of the structure to which said instrument case and coil are rigidly attached, said relative motion inducing in said coil an electrical voltage proportional to the instantaneous velocity of relative motion and therefore substantially proportional to the instantaneous vibratory velocity of said structure above said frequency limit, and means for damping the motion of said spring restrained magnet relative to said coil comprising a fluid mass, a restricted orifice, means responsive to the motion of said magnet for forcing a portion of said mass through said orifice whereby free or unforced vibration of said magnet at its natural frequency is prevented.

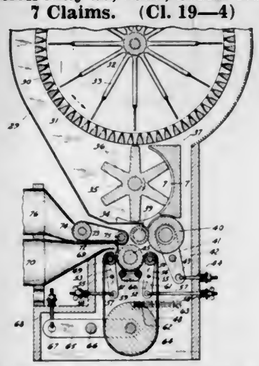
2,251,437
ABRASIVE ARTICLE AND METHOD OF MANUFACTURING THE SAME
Fred Brown, Niagara Falls, Ontario, Canada, assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application November 15, 1937, Serial No. 174,608
7 Claims. (Cl. 51—293)

1. In the manufacture of abrasive articles the steps which comprise coating a backing with abrasive grains and a liquid binder comprising a phenolic condensation product which is plasticizable when solidified and a film-strengthening material which is adapted to toughen the phenolic resin film when the liquid binder has been solidified, treating the thus formed article to solidify the binder and form a sheet of grain



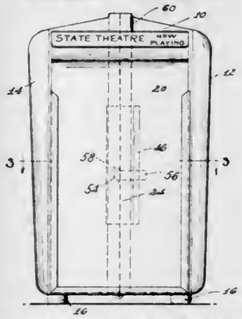
and solidified binder which can be removed from the backing, separating the sheet from the backing, assembling a plurality of layers of the sheet, and plasticizing the binder to cause the layers of the sheet to become united and thereby form a multi-layered abrasive article.

2,251,438
FEATHER TREATMENT
Bohumil Bouda, Davenport, Iowa
Application May 23, 1938, Serial No. 209,497
7 Claims. (Cl. 19—4)



4. A feather stripper comprising means to arrange and feed feathers, quill ends first, a roll provided with grooves of a size to receive the shafts of said feathers and having surfaces between said grooves, an endless belt arranged to contact said roll and to move therewith throughout a substantial portion of the periphery of said roll, said roll being arranged to be driven at a higher peripheral speed than the feathers are fed by said means.

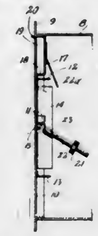
2,251,439
COMBINATION DISPLAY HOLDER AND NAPKIN CONTAINER
Victor Wayland Cornelius, Eastland, Tex.
Application January 25, 1940, Serial No. 315,604
5 Claims. (Cl. 40—16)



1. In combination with a pivoted napkin con-

tainer having overlapping edge portions and a lug on the inner side of the outer portion, a display holder, a plate secured to the rear of said holder, said plate bent over to form a spaced flange adapted to clampingly engage said outer edge portion of the container, cut-out portions in said spaced flange, one of which is adapted to engage said lug, said flange being positioned between the two edge portions of said container.

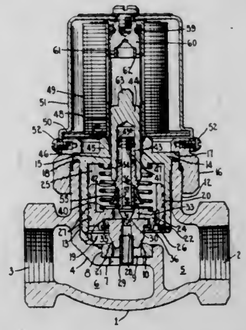
2,251,440
FURNACE FLUE DAMPER
Hal M. Cunningham, New Britain, Conn.
Application November 7, 1939, Serial No. 303,228
14 Claims. (Cl. 236—45)



6. A furnace flue damper including a gate having pivot means for mounting it in a flue opening for movement to open and close the flue opening, the pivotal axis being positioned to provide gate areas at opposite sides of the axis in substantial aerostatic balance and further to provide for movement of a portion of the gate into the flue opening and of another portion thereof out of the flue opening as the gate moves from closed toward open position so that the flow of air entering the flue after the gate has moved substantially from closed position acts aerodynamically on the gate to move the gate further toward open position, and means operative at or near closed position for upsetting said substantial aerostatic balance to effect initial opening movement of the gate, and the gate being weighted to provide a closing force in opposition to the force tending to open the gate aerodynamically.

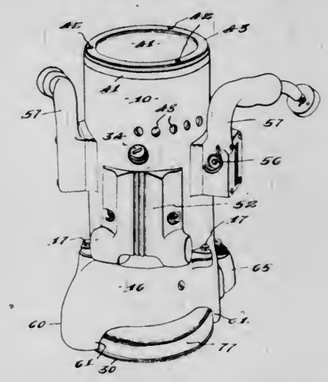
2,251,441
VALVE
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application February 1, 1937, Serial No. 123,350
5 Claims. (Cl. 137—139)

1. In a valve of the character described, a valve casing having a passageway therethrough including a valve port, said casing having a hollow extension concentric with said port, said extension opening at one end into said passageway and having its opposite end open, a hollow member having an end wall closing said opposite open end and having a depending side wall defining a pressure chamber, a piston member reciprocal in and fitting within said chamber, said piston member having a surrounding flange directed toward said end wall and engageable therewith to limit movement of said piston member, said end wall having an aperture therethrough concentric with said valve port and having a downwardly opening socket, a valve member carried by said piston member and controlling flow through said valve port, said valve member having a passageway therethrough establishing communication between said chamber and the outlet side of said valve port, a valve member reciprocal in said aperture and controlling said valve member passageway, means carried by said last-named valve member and acting when said last-named valve member is in full open position to engage said socket to prevent lateral move-



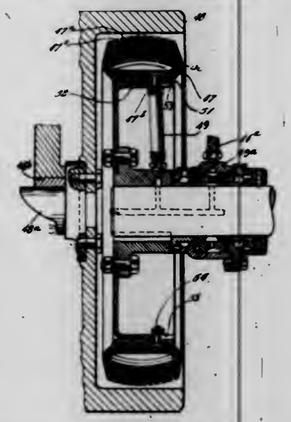
ment of said last-named valve member, a helical coil spring within said chamber and said flange and held under compression between said end wall and said piston member, and means establishing communication between the inlet side of said valve port and said chamber.

2,251,442
PORTABLE DISK ABRADING MACHINE
Arthur N. Emmons, Nedrow, N. Y., assignor to The Porter-Cable Machine Company Inc., Syracuse, N. Y., a corporation of New York
Application July 24, 1937, Serial No. 155,507
3 Claims. (Cl. 51—177)



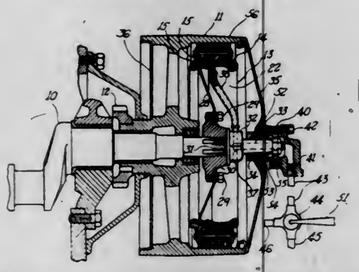
1. A portable hand manipulated disk sanding machine comprising a substantially cylindrical casing, the lower end of said casing being formed with a depending arcuate wall, an abrading disk journalled in the lower end of the casing with the periphery of said disk arranged in spaced apart relationship to said wall, an arcuate housing overlying said disk and being detachably secured to the lower end of said casing, said housing being formed with a radial flange extending from the periphery of said disk toward said arcuate wall and terminating in spaced apart relationship thereto, suction means arranged in the casing and having an inlet opening in the lower end of the casing above said housing, a motor mounted in the casing, and motion transmitting means operatively connecting said motor and abrading disk.

2,251,443
ASSEMBLY FOR CLUTCHES, BRAKES, UNIVERSAL JOINTS, AND THE LIKE
Thomas L. Fawick, Akron, Ohio, assignor to The Fawick General Company, Inc., Akron, Ohio, a corporation of Indiana
Application September 19, 1936, Serial No. 101,638
5 Claims. (Cl. 192—88)



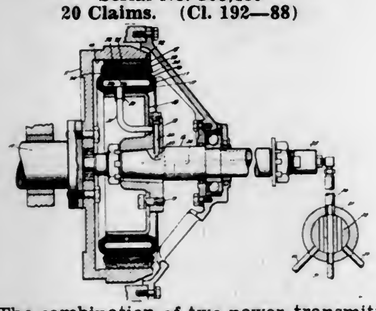
1. The combination of two rotary structures comprising respective individually journaled shafts and adapted for frictional engagement with each other, one of the same comprising a fluid-containing bag having torque-transmitting walls and a frictionally-engaging transversely curved tread surface adapted to be flattened against a part of the other structure, so as to have transversely-progressive contact therewith as the two surfaces are brought into engagement, and quick-acting means for bringing them into engagement, the bag having side-walls which are unconfined and free-flexing in service.

2,251,444
ASSEMBLY FOR DRIVING CLUTCHES AND THE LIKE
Thomas L. Fawick, Akron, Ohio, assignor to The Fawick General Company, Inc., Akron, Ohio, a corporation of Indiana
Application March 18, 1937, Serial No. 131,656
11 Claims. (Cl. 192—88)



1. An assembly comprising a member having an engagement surface, and, mounted for rotation in relation thereto, a fluid-distensible torque-transmitting and cushioning rotary structure adapted to engage said surface upon being distended in a direction radially outward from the axis of rotation, means for conducting pressure fluid to said structure to distend it, and means for applying suction to said structure to retract it against centrifugal force, the distensible structure comprising a torque-transmitting wall having substantially the characteristics of rubber.

2,251,445
ASSEMBLY FOR DRIVING CLUTCHES, BRAKES, AND THE LIKE, AND METHOD OF MAKING THE SAME
Thomas L. Fawick, Akron, Ohio, assignor to The Fawick General Company, Inc., Akron, Ohio, a corporation of Indiana
Application November 13, 1940, Serial No. 365,489
20 Claims. (Cl. 192—88)



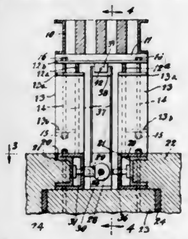
1. The combination of two power-transmitting shafts in series and individually journaled at least approximately in axial alignment, two rotary structures mounted upon and constrained to rotate with the said shafts respectively and adapted for substantially full-circle frictional engagement with each other, one of the same comprising a fluid-containing bag having freely-flexing, torque-transmitting walls and a circumferential series of blocks of frictional material permanently secured to said bag, and means for effecting and discontinuing such engagement during rotation of at least one of said structures.

2,251,446
CLOSURE FOR BOTTLE STOPPERS AND POURERS
Daniel M. Fox, Brooklyn, N. Y.
Application August 21, 1939, Serial No. 291,121
12 Claims. (Cl. 215—73)



8. In a bottle stopper and pourer, a spout having an outlet, a closure for the outlet, a support for maintaining the closure in its operative position comprising a head connected to the top of the spout, said head being of varying cross-section from an oblong rectangular maximum area cross-section at its bottom which cross-section continually decreases to a substantially square rectangular cross-sectional area near its top and then flattens to a relatively wide substantially flat sided tip, said closure having two L shaped arms extending from it which come together to form a rectangular opening of substantially similar shape as the cross-section at the bottom of the head, the head adapted to fit into the opening formed by the L shaped members to maintain the closure in position on the outlet of the spout, the narrowest side of the opening formed by the L shaped arms being slightly narrower than the widest part of the square rectangular cross-section of the head and the widest side of the opening formed by the L shaped arms being slightly longer than the width of the flat sided tip on the head.

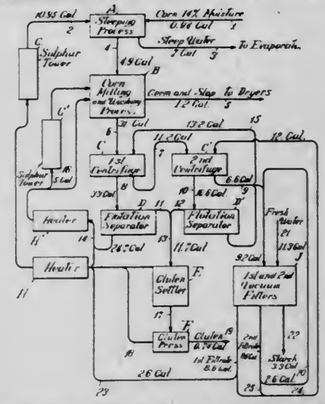
2,251,447
CONCRETE BLOCK MACHINE
Louis Gelbman, Yonkers, N. Y., and Eugene F. Olsen and Arthur B. Mays, Adrian, Mich., assignors, by mesne assignments, of eleven-twentieths to Hamlin F. Andrus and nine-twentieths to Louis Gelbman, both of Yonkers, N. Y.
Application February 21, 1938, Serial No. 191,640
15 Claims. (Cl. 25—41)



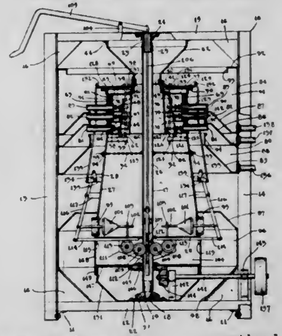
11. In a vibration mechanism, a support member, means for reciprocally supporting said support member, an off-balanced shaft spaced from said support member and disposed with its axis at right angles to the direction of reciprocation of said support member, a bearing rotatively supporting said shaft, means for flexibly supporting said bearing so that said bearing may reciprocate in the same direction with said reciprocal support member and so that said bearing may oscillate on said shaft and a link mounted on said bearing and pivotally connected with said support member to turn on an axis parallel with said shaft, said means for supporting said bearing includes a pair of fixedly mounted studs engaging opposite sides of said bearing in a plane through the axis of said shaft and at right angles to the direction of reciprocation of said support member, and each of said studs being adjustably mounted on a resiliently supported element so as to make it possible to obtain a desired tolerance with relation to the sides of said bearing.

2,251,448
STARCH MAKING PROCESS
Fred O. Giesecke, Kilmacolm, Scotland, assignor, by mesne assignments, to Corn Products Refining Company, a corporation of New Jersey
Application June 29, 1938, Serial No. 216,523
In Great Britain June 16, 1938
1 Claim. (Cl. 127—68)

Process of obtaining starch from corn which comprises: steeping the corn; subjecting the steeped corn to mill house operations yielding a mixture of starch, gluten and water; centrifuging said mixture at the same density it leaves the mill house operations and subjecting the overflow to a de-aerating and flotation operation whereby gluten is skimmed from the top of the body of liquid before the gluten has settled to any considerable extent; centrifuging the entire underflow from the first centrifuging operation and subjecting the entire overflow from the further centrifuging operation to a de-aerating and flotation operation; subjecting the entire underflow from the further centrifuging operation to a filtering and washing operation from which the starch is discharged from the process; returning the water from the first mentioned flotation operation to the mill house and the water from the second mentioned flotation operation to the first centrifuging operation, as a wash water; introducing the gluten from the flotation operations into a gluten settler; and re-using the water from the gluten settler exclusively for steeping corn.



2,251,449
GRAVEL WASHER AND SILT GRADER
Annun Halvorson, Butte, N. Dak.
Application August 7, 1939, Serial No. 288,792
5 Claims. (Cl. 233—28)

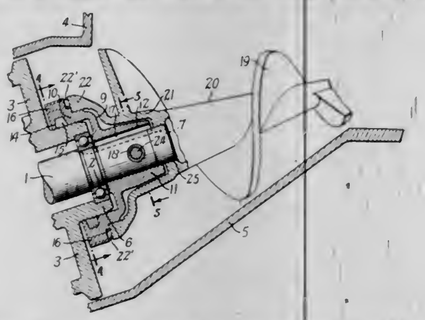


1. In a gravel washer, a vertical revoluble drum having an outer wall in the form of a figure of revolution, a neck extending downwardly into the uppermost portion of the drum and concentric therewith, means within the drum forming an annular surface concentric with the surface of the neck, said surface being disposed inwardly of the inner surface of the drum and having a plurality of openings therein disposed one above the other, said neck forming in conjunction with said means an annular constricted passageway communicating with said openings.

2,251,450
STOKER
William Thompson Hanna, Cincinnati, Ohio
Application January 27, 1938, Serial No. 187,151
6 Claims. (Cl. 198—213)

1. In screw conveyor mounting and driving

mechanism for stokers, the combination of a drive shaft, an adapter having a collar secured to said shaft and an annular flange, a screw conveyor mounted on said adapter and having a hub provided with an annular flange and a hollow shank, said flange and said shank of the



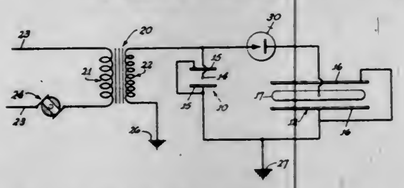
hub embracing said flange and said collar respectively of the adapter, means extending through said collar and said shaft for releasably retaining said adapter on said shaft, and means extending through said shank and said collar to releasably retain the screw conveyor in mounted position on the adapter.

2,251,451

METHOD AND APPARATUS FOR ELECTRICAL PRECIPITATION

Richard Heinrich, Frankfort-on-the-Main, Germany, assignor to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California

Application June 24, 1940, Serial No. 342,177
In Germany May 23, 1938
10 Claims. (Cl. 183—7)



1. In the method of removing suspended particles from a stream of gas by flowing the gas stream past a first pair of electrodes of which one is a discharge electrode and between which is maintained an electric field in which the particles are charged by corona discharge, and then past a second pair of electrodes between which is maintained a substantially non-discharging field in which charged particles are precipitated, the improvement that comprises establishing the first field by applying to the first pair of electrodes successive asymmetrical alternating current impulses comprising two half-waves of opposite polarity to maintain between said electrodes a field of alternating polarity.

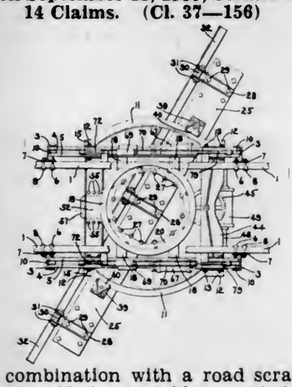
6. Apparatus for energizing from a source of electric current an electric precipitator of the separated field type having a first pair of opposing electrodes of which one is a discharge electrode and a second pair of opposing non-discharging electrodes spaced from the first pair, comprising means connected to the first pair of electrodes and supplying thereto high tension asymmetrical alternating current impulses comprising two half-waves of opposite polarity.

2,251,452

TILTING ROAD SCRAPER

Frank H. Hirst, Grand Rapids, Mich., assignor to Charles G. Willett, Grand Rapids, Mich.

Application September 18, 1939, Serial No. 295,425
14 Claims. (Cl. 37—156)



2. The combination with a road scraper having a scraping blade rotatably mounted thereon, of means normally locking said blade against rotation, and fluid operated means to first release said locking means, and then rotate said blade.

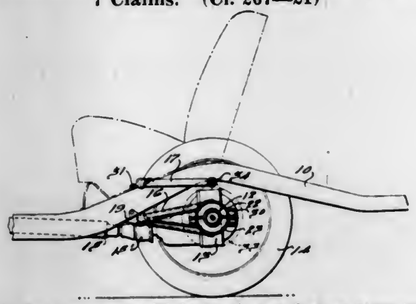
10. A road scraper comprising, a chassis, a scraper blade, a support for said blade movably mounted on said chassis, and means at each side of said chassis and independently operable for suspending said support from said chassis including a bell-crank lever at front and rear thereof, links connecting each of said levers with said support, and a rigid member connecting said levers together, and so arranged that longitudinal movement of said rigid member will raise and lower said support.

2,251,453

SUSPENSION MECHANISM

Clifford C. Jackson, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application October 24, 1939, Serial No. 301,023
7 Claims. (Cl. 267—21)



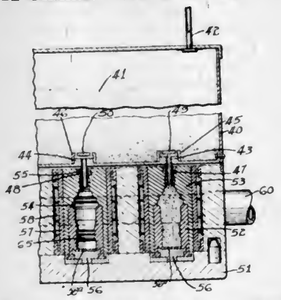
1. In a motor vehicle having a frame structure and an axle structure disposed adjacent one end of said frame structure; means associated with said structures at each side of said vehicle for supporting and guiding said axle structure for rising and falling movement comprising; a pair of arms pivoted to said frame structure and extending generally longitudinally of said vehicle, one of said arms having a pivotal connection with said axle structure, the other of said arms having a cylindrical socket portion surrounding said axle structure in spaced relation relative thereto, a mass of deformable material disposed between said axle structure and socket portion and fixed against movement relative thereto whereby rising and falling of said axle structure places said deformable material in circumferential shear.

2,251,454

PREPARING AND MOLDING MATERIAL

Benjamin A. Jeffery, Detroit, Mich., assignor, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware (1938)

Application April 16, 1935, Serial No. 16,601
In Great Britain April 16, 1932
11 Claims. (Cl. 25—156)



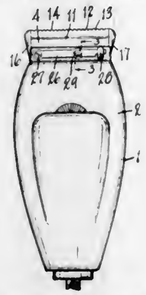
1. The method which consists in spraying into separated drops a ceramic slip, drying said separated drops into dense, self-sustaining, normally non-adherent and non-plastic, tiny, rounded pellets, collecting the pellets into a pourable mass of powder, filling the powder into a mold cavity and pressing the powder within the cavity by hydrostatic pressure to form a self-sustaining body.

2,251,455

SHAVING OR HAIR CLIPPING APPARATUS

Ralph E. Jones, Grand Rapids, Mich.

Application January 17, 1940, Serial No. 314,287
16 Claims. (Cl. 30—43)



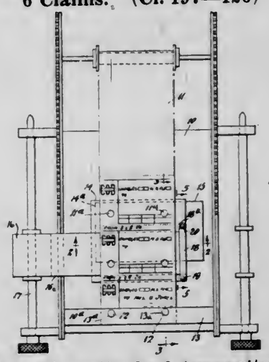
16. In a shaving device of the type described having a handle, a head adapted to be detachably secured to said handle, said head having an opening at one end thereof to permit the introduction and removal therefrom of a cutter, a guard secured to said handle and adapted to close the said end opening of said head when the head is in position on the handle, the other end of said head being closed by means secured thereto and independent of the handle whereby to be removed with the head from the handle as a unit, and means for securing said head to said handle with said guard in operative closing relation to said first named head opening.

2,251,456

AUTOMATIC FEED TYPEWRITER

Jack L. Kellerman, New York, N. Y., assignor, by mesne assignments, to Joseph Zaretzki, New York, N. Y.

Application May 28, 1940, Serial No. 337,620
6 Claims. (Cl. 197—126)



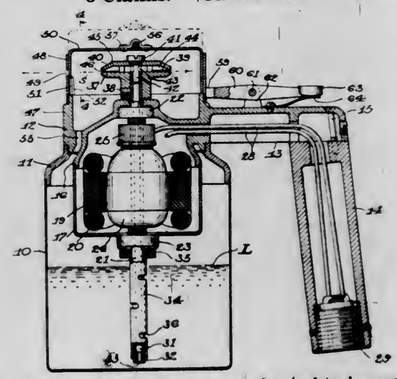
1. In an automatic feed typewriter, having a platen and holding means for supporting continuous forms and copies, a plate mounted on said platen beneath said forms and copies and having a side opening extending inwards from one side which is located in proximity to one of the sides of said continuous forms and copies into which a card or sheet or tag may be engaged and said plate having a top opening through which an area of said card or sheet or tag is exposed, and means for supporting carbon sheets between said forms and copies so as to extend from the side of said plate which is provided with said side opening across said card or sheet or tag, whereby said carbon sheets do not extend across the side of said plate which is provided with said side opening.

2,251,457

PAINT SPRAYER

Royal Lee, Milwaukee, Wis.

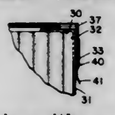
Application April 8, 1939, Serial No. 266,784
8 Claims. (Cl. 299—63)



1. In a sprayer of the type adapted to be manually carried and guided, the combination of a frame having a handle, a rotatable liquid-impelling member for centrifugally throwing liquid thereabout in a sheet-like spray, means carried by said frame for driving said rotatable member and comprising a motor below said member, a barrier around said rotatable member for intercepting said sheet-like spray and having an aper-

ture of variable size permitting the passage therethrough of a variable portion of said spray, and means for varying the effective size of said aperture comprising operating linkage having a shiftable finger-actuated member adjacent to said handle.

2,251,458
PACKAGE OPENER
Michael Lencione, Sheboygan Falls, Wis.
Application May 23, 1938, Serial No. 209,433
2 Claims. (Cl. 229—51)

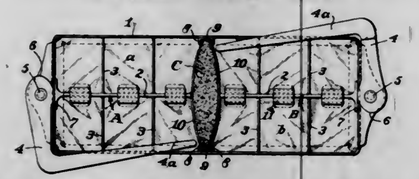


1. The combination with a package having portions forming an end closure, a removable member loosely mounted in the package having a portion beneath said closure of a width substantially equal to the width of the package and a part disposed inside said package adjacent the side of the package and a tab at its lower end of less width projecting through the side of the package, said part at the side of said package tapering from the end of said package to said tab, the pulling of said tab from the package acting to tear an opening in the end of the package, a covering member for said package having an opening through which said tab projects, and a removable cover flap for covering said tab and said opening.

2,251,459
PROCESS FOR THE MANUFACTURE OF MERCAPTOTHIAZOLINES
Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 9, 1939, Serial No. 289,263
7 Claims. (Cl. 260—302)

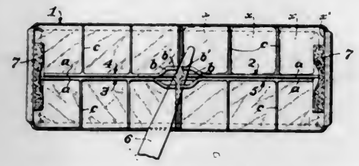
1. A process for preparing 2-mercaptothiazoline by the reaction of 2-chlorethylamine, an alkali and carbon disulfide, which comprises mixing the carbon disulfide with one of the other reagents, agitating and slowly adding the third reagent in the presence of a total quantity of water only slightly greater than that required to dissolve the inorganic salt formed in the reaction, and in the absence of other solvents.

2,251,460
ICE TRAY
James H. Miner, Meridian, Miss.
Application July 19, 1937, Serial No. 154,501
15 Claims. (Cl. 62—108.5)



1. An ice tray organization comprising a tray, a grid positioned therein and made up of a pair of sections extending from opposite ends of the tray toward the center thereof, resilient means separating the sections and means for engaging either one of the sections and moving it toward the other section against the resistance of the resilient means for breaking the bond between the ice and the tray organization.

2,251,461
ICE TRAY
James H. Miner, Meridian, Miss.
Application September 4, 1937, Serial No. 162,477
14 Claims. (Cl. 62—108.5)



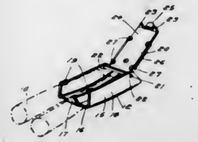
1. In combination in an ice tray organization for refrigerators, an ice tray proper, a divider comprising four sections mounted in the tray and individually removable therefrom, and means common to all the sections for moving a pair of said sections independently of the other pair, substantially as described.

2,251,462
VALVE STEM AND HANDLE
Ervin H. Mueller, Grosse Pointe, Mich.
Application July 20, 1939, Serial No. 285,521
1 Claim. (Cl. 287—53)



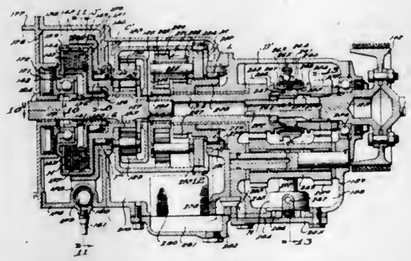
In a valve, a stem, a handle having a recess arranged to fit non-rotatably on the stem, said stem having an axial bore therein and having a single opening in a wall defining the bore and which is elongated axially of the stem, and a spring in the form of a length of wire fashioned into a plurality of helical convolutions and positioned in the bore with the axis of the spring transverse to the axis of the bore, the diameter of the spring being such that a portion of the convolutions project through the opening to frictionally engage the handle.

2,251,463
SAFETY LOCK END CONNECTION
Sven O. Myrberg, Providence, R. I., assignor to Providence Stock Company, a corporation of Rhode Island
Application April 30, 1940, Serial No. 332,434
7 Claims. (Cl. 24—265)



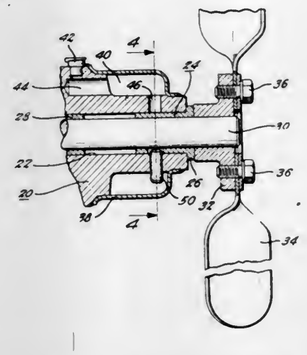
1. In an end connection, a housing having side walls, a top hingedly mounted in said walls at one end thereof, said housing and said top having cooperating strap gripping parts, said side walls having retainer lugs at the other end thereof, and locking means slidably mounted over said top and engageable with said retainer lugs, said locking means including a plate having edge portions adapted to removably seat under said lugs.

2,251,464
POWER TRANSMISSION
Carl A. Neracher and William T. Dunn, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 13, 1938, Serial No. 207,713
36 Claims. (Cl. 74—262)



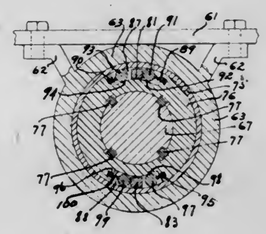
1. In a motor vehicle planetary gear transmission; a driving shaft adapted to be driven in a forward driving direction of rotation; a shaft adapted to be driven from said driving shaft; an annulus gear driven with the driving shaft; a sun gear; a planet gear meshing with said sun gear and said annulus gear and having a carrier; means for releasably preventing backward rotation of said sun gear; clutch means including a clutch part driven with the driving shaft and a shiftable clutch member always drivingly connecting said carrier with said driven shaft; and means for shifting said clutch member into clutching engagement with said clutch part to establish drive connection between said shafts.

2,251,465
LUBRICATING SYSTEM
Earl S. Patch and Jean A. Lignian, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 26, 1937, Serial No. 176,490
3 Claims. (Cl. 308—121)



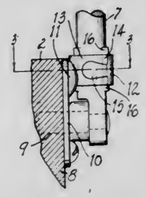
1. A lubricating system comprising in combination, a shaft, a horizontal bushing disposed to act as a bearing for said shaft, a support for carrying the bushing, a cavity within the bushing terminating in an aperture at the bearing surface thereof, oil metering means extending vertically into said cavity and comprising a highly porous metal part made from sintered noncompacted metal powders, said means being so dimensioned as to only partially fill said cavity, an oil reservoir communicating with said means and adapted to hold oil for lubricating said bushing, said means feeding a metered quantity of oil to said cavity by capillarity within the pores thereof.

2,251,466
POWER TRANSMISSION DEVICE
Rudolph Payson, Flushing, N. Y.
Application May 1, 1939, Serial No. 271,110
19 Claims. (Cl. 192—8)



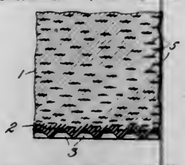
4. In a power transmission system, the combination comprising a frame, a driven shaft mounted for reversible rotation in said frame, wedging means to lock said driven shaft against clockwise rotation, wedging means to lock said driven shaft against counter-clockwise rotation, a driving sleeve connection to said driven shaft adjacent said locking means and between said means means adapted to travel from one to the other locking means and effect release of the one lock with which contact is being made, the driving side of the sleeve connection having a freedom of swing sufficient to effect said release before establishing driving connection with said driven shaft.

2,251,467
CARPET SWEEPER
John W. Scott and Fred W. Pullen, Grand Rapids, Mich., assignors to Bissell Carpet Sweeper Co., Grand Rapids, Mich.
Application August 5, 1939, Serial No. 288,560
7 Claims. (Cl. 306—11)



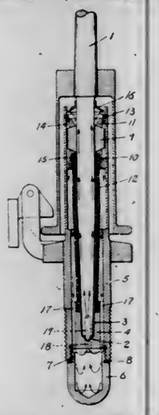
1. In a carpet sweeper having a case and a handle with a bail having its arms pivotally engaging the ends of the case, bail engaging nibs projecting from the end of the case on opposite sides of an arm of the bail when it is in vertical position, a sleeve rotatably mounted on and embracing said arm of the bail, said sleeve comprising a strip of metal wrapped around said arm and having its ends formed with interlocking means thereon, and means holding said sleeve in position to engage said nibs as the bail is moved to or from vertical position, whereby said sleeve rotates on said arm as the nibs are engaged.

2,251,468
RUBBER SHOE SOLE
Wesley L. Smith, Bedford, Va., assignor, by mesne assignments, to Salta Corporation, Jersey City, N. J., a corporation of Delaware
Application April 5, 1939, Serial No. 266,155
3 Claims. (Cl. 36—32)



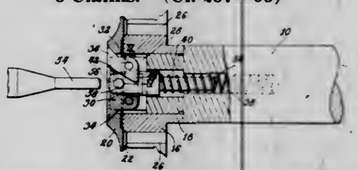
1. A shoe sole of substantially solid rubber containing almost wholly collapsed closed cells.

2,251,469
BEARING
William F. Smith, Brooklyn, N. Y.
Application September 23, 1938, Serial No. 231,289
3 Claims. (Cl. 308—169)



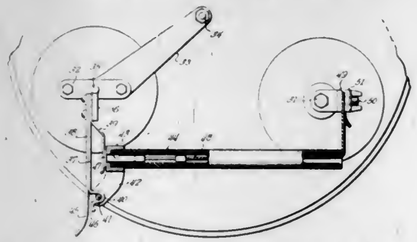
1. In combination, a spindle having a tapered end, a step bearing in which the point of the spindle is pivoted, a neck bearing for the upper part of the tapered end and having tapered upper and lower seats, a spring surrounding the spindle and spaced therefrom and compressed between said bearings, a casing surrounding said bearings and spring, and an oil sump communicating with the pivot point of the spindle through a radial channel in the step bearing and with said casing through an axial channel in said step bearing.

2,251,470
ROTARY TOOLHOLDER
Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application August 4, 1939, Serial No. 288,388
8 Claims. (Cl. 287—53)



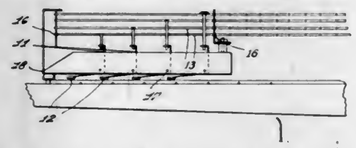
8. A holder for an annular tool, said holder comprising a rotatable shaft having a cylindrical portion to receive the tool, a shoulder to contact with one end of the tool and a recess in the end of said shaft, pawls mounted in the recess, and means acting upon the pawls to cause them to engage the other end of the tool and exert pressure endwise of the tool to hold the tool against the shoulder.

2,251,471
FUSE CONSTRUCTION
Alwin G. Steinmayer, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application May 2, 1938, Serial No. 205,487
18 Claims. (Cl. 200—117)



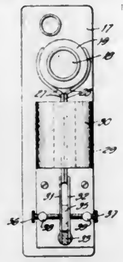
13. A fuse construction comprising a support, a pair of laterally spaced terminals projecting upwardly from said support, one of said terminals having pivot means, a fuse tube having a projecting portion provided with a pivot pin detachably received by said pivot means, a spring for preventing inadvertent detachment of said pivot pin from said pivot means, said fuse tube being adapted to swing in a horizontal plane and having an open end normally located adjacent the other of said terminals, the other of said terminals having fuse link receiving means, a fuse link carried within said fuse tube and projecting outwardly through the open end thereof to said fuse link receiving means, and spring means urging said fuse tube towards horizontal swinging motion, said fuse tube being normally restrained against swinging motion by said fuse link.

2,251,472
FOOT-OPERATED GUITAR PLAYER
Walter C. Sylvester, Greene, Maine
Application August 7, 1939, Serial No. 288,724
9 Claims. (Cl. 84—320)



1. In a machine for playing a stringed musical instrument a mechanism for stopping the strings including a group of fingers pivotly attached to a frame and arranged adjacent the strings of the instrument each occupying a position relative to a certain string at a certain fret of said instrument, a group of pushrods equal in number to said group of fingers and arranged in a position to actuate said group of fingers individually, a series of plate holders movably held adjacent said pushrods and designed to receive a plate fitted to the same, a group of levers pivotly attached to the base of frame and a pedal.

2,251,473
CAMERA
Enrique G. Touceda, Loudonville, N. Y., assignor to American Industrial Research, Inc., Albany, N. Y., a corporation of New York
Application February 3, 1938, Serial No. 188,479
5 Claims. (Cl. 95—64)

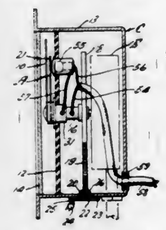


1. A diaphragm of the character described comprising two, comparatively thin, elements movably mounted in adajacent, superimposed position, each of said elements being provided with an aperture, an electromagnetic coil and a pair of arms extending side by side and axially of said coil and comprising a magnetic material, said arms respectively bearing one of said thin elements at the upper ends thereof, whereby an energization of said coil will produce relative movement between said thin elements.

2,251,474
METHOD OF RECOVERING SELECTIVE SOLVENTS
Hendrikus van der Waerden, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 26, 1935, Serial No. 33,315. In the Netherlands August 2, 1934
1 Claim. (Cl 196—13)

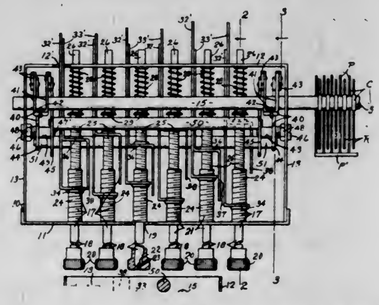
The process of producing a lubricating oil which comprises the steps of extracting a petroleum lubricating oil with furfural to produce liquid raffinate and extract phases separating said phases, contacting said raffinate phase with liquid sulfur dioxide to produce two second liquid phases one of which is rich in oil and substantially completely free from furfural, the other consisting predominantly of furfural and sulfur dioxide, separating the said second phases, and separately removing the liquid sulfur dioxide from the former second phase by distillation.

2,251,475
AUTOMATIC SPEED REGULATOR
Ralph T. Walker, Nashville, Tenn.
Application September 20, 1939, Serial No. 295,701
1 Claim. (Cl. 200—56)



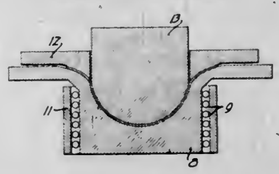
The combination with a speedometer including a case and having circuit controlling contacts engageable at a predetermined speed as indicated by the speedometer, of means for preselecting said speed and including a rotatable member in the case, the said case having an opening through which access may be had for adjusting said member, a closure for the opening, sealing and locking means for the closure, and the said closure having snubbing means for engaging and locking the said adjusting member against movement.

2,251,476
TUNING UNIT FOR RADIO RECEIVERS
Arthur B. Winchell, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application June 11, 1938, Serial No. 213,299
18 Claims. (Cl. 74—10)



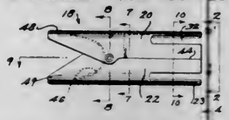
1. A tuning unit for a radio receiver comprising a drive shaft adapted to be operatively connected to the shaft of a variable condenser, a reciprocating selector rod mounted for movement at one side of the drive shaft, means for actuating said shaft including a linkage mechanism connected therewith and having a pair of operating members arranged at opposite sides of the selector rod, spaced actuating elements mounted on said selector rod movable into and out of operative engagement with said operating members during the reciprocation of said rod, and manually operated means for actuating the selector rod.

2,251,477
METHOD OF MAKING HATS
Lauren Otho Wisman, Walnut Creek, Calif., assignor to E. D. Bullard Company, San Francisco, Calif., a corporation of California
Application March 9, 1937, Serial No. 129,853
1 Claim. (Cl. 18—56)



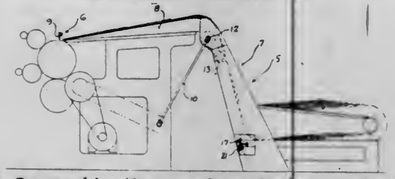
The method of making a safety hat from a difficultly deformable material, which comprises drawing out sufficient material from the sheet with a blunt nosed die to form the final crown, and then reshaping the drawn portions into final crown shape with a sharp nosed die without additional drawing, so that a relatively pointed crown shape is obtained without rupturing the sheet.

2,251,478
DEVICE TO FORM PIN CURLS
Anne Lee Wyatt, Los Angeles, Calif.
Application May 6, 1940, Serial No. 333,629
6 Claims. (Cl. 132—33)



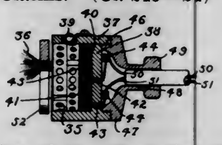
1. A pin curl forming device comprising a pair of substantially identical members assembled to form a mandrel, the forward portions of said members being substantially half round in cross section, means pivotally connecting said members to each other intermediate their ends, the side edges of those portions of said members forwardly of the point of pivotal connection normally bearing directly against one another so as to provide cooperating edges for engaging and gripping an interposed strand of hair, those portions of the members to the rear of point of pivotal connection providing handles and said jaws being provided in their forward portions between their hair gripping side edges with longitudinally disposed parallel slots that extend rearwardly from the forward ends of said jaws.

2,251,479
DRIVING MEANS FOR SHEET FEEDERS
Elmer W. Belluche and Frank R. Belluche, Racine, Wis.
Application June 7, 1940, Serial No. 339,220
18 Claims. (Cl. 271—37)



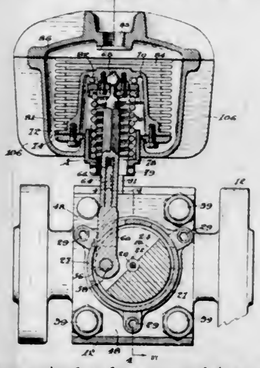
1. In combination: a sheet feeder; a machine to be fed; a conveyor drivingly connected with the feeder for carrying the sheets from the feeder to the machine; a driving connection between the machine and the feeder which when operative compels concomitant operation of the machine and feeder; and independent power driven means for driving the feeder and conveyor independently of the machine so that a sheet may be advanced while the machine is idle to a position at which the sheet instantly enters the machine upon starting the machine.

2,251,480
HAIR CURLING AND DRYING APPARATUS
Abbie G. Bowyer, Los Angeles, Calif., assignor of one-fourth to Samuel E. Fouts, Los Angeles, Calif.
Application August 26, 1938, Serial No. 226,930
2 Claims. (Cl. 219—24)



1. In a device of the character described, a heater comprising a hollow shell of material which is a non-conductor of electricity, a partition member extending across the interior of the shell intermediate the ends thereof, a heating element attached to one side of said partition member, electric conductors connected with said element and extended through the partition to the opposite side thereof, means through which electric current is supplied to said conductors, that end of the shell which is opposite the latter means containing said heating element and being adapted to fit about a hair curler within said end of the shell, and a resilient detent for engaging the curler when the heater is slipped over it, whereby the heater and the curler are maintained in their proper positions.

2,251,481
FLOW CONTROL VALVE
Elbert A. Corbin, Jr., Lansdowne, Pa., assignor of one-half to William C. Biddle, Lansdowne, Pa.
Application November 6, 1939, Serial No. 303,053
2 Claims. (Cl. 137—153)

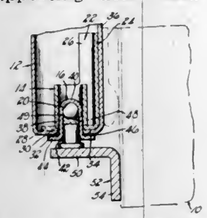


1. A flow control valve comprising a casing, an expandable fluid operated diaphragm therein, a hub operatively connected to and movable with said diaphragm, a valve stem having one end thereof operatively connected to said hub, a spring disposed about and operatively connected to the same end of said valve stem, a valve casing having an inlet and an outlet, a valve plug rotatably mounted in said valve casing and having a through opening therein adapted to be in or out of registration with said inlet and outlet to open or close said valve, a link eccentrically engaging said valve plug, the free juxtaposed ends of said valve stem and said link having adjustable engagement for transmitting the movement of said diaphragm and said spring to said valve plug, the adjustability of said link and said valve stem being sufficient to increase or decrease the effective length of said link by an amount slightly greater than the diameter of said inlet or said outlet, whereby when one extreme of said adjustability is reached said valve plug will be held in the open position by said spring and will be moved to the closed position by the action of said diaphragm, and whereby when the other extreme of said adjustability is reached said valve plug will be held in the closed position by said spring and will be moved to the open position by the action of said diaphragm and vice versa.

2,251,482
HINGE
George E. Curtiss, Jr., New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application May 21, 1940, Serial No. 336,382
5 Claims. (Cl. 16—136)

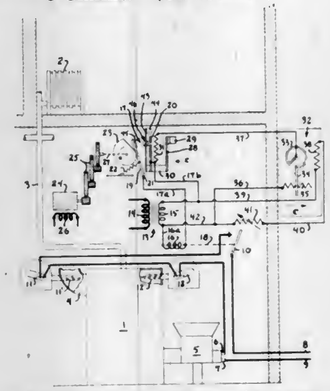
4. A hinge of the character described com-

prising a vertical sleeve securable within a swinging door intermediate the front and rear walls and adjacent one edge thereof, a tubular pivot cap frictionally held within the sleeve and adapted to extend outwardly of the lower edge of the door, the top of said cap having an internal supporting dome and the lower end



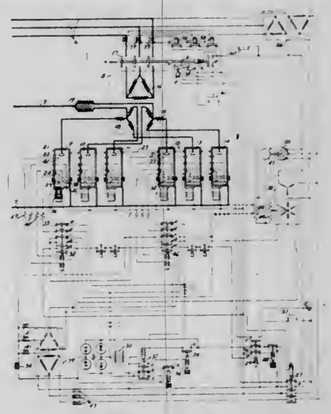
having a flange for carrying the door thereon, a vertically arranged pivot pin positioned in said cap and securable to a fixed door jamb, the upper end of the pivot pin having a socket therein and a ball bearing positioned in said socket for supporting the domed end of said tubular cap.

2,251,483
AUTOMATIC CONTROL FOR STOKERS
Frederick S. Denison and Elmer K. Scoggin, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 8, 1938, Serial No. 183,930
6 Claims. (Cl. 236—91)



1. In a heating system, in combination, means forming a combustion chamber adapted to contain solid fuel, an automatic stoker for feeding solid fuel into the combustion chamber, control apparatus for the stoker comprising timing means, means responsive to outdoor temperature and cooperating with the timing means for operating the stoker intermittently for periods of duration depending on outdoor temperature for normally maintaining a predetermined indoor temperature, means cooperating with the timing means whereby the stoker is intermittently operated for intervals of duration just sufficient to maintain a fire in the combustion chamber when no heating is required, said fire maintaining means being independent of temperature, and means responsive to indoor temperature cooperating with said timing means and outdoor temperature responsive means for varying the duration of said periods when the indoor temperature deviates from the predetermined value to be maintained.

2,251,484
ELECTRIC VALVE CONTROL SYSTEM
Samuel R. Durand, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 30, 1939, Serial No. 297,210
23 Claims. (Cl. 175—363)



1. In a control system for a plurality of interconnected electric valves each comprising an ignition anode, a cathode, and a solenoid for controlling the engagement of the ignition anode with the associated cathode, a source of current connected with said ignition anodes and with said cathodes, and means for causing simultaneous initiation of current flows through the different said valves comprising means for connecting said solenoids with said source and for simultaneously disconnecting all said solenoids from said source.

19. The combination with an alternating current network, a direct current circuit, a pair of electric valves connecting opposite phases of said network with said direct current circuit and each comprising an anode, a control grid and a cathode, and excitation means for each of said valves, of means responsive to failure of the excitation means of one of said valves for impressing on the grid of only the other one of said valves a potential rendering the valve non-conductive.

2,251,485
SHORTENING STABILIZATION
Donald P. Grettie, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 15, 1939, Serial No. 261,961
14 Claims. (Cl. 99—163)

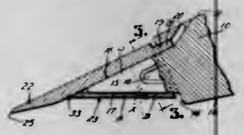
1. The method of stabilizing shortening which comprises adding thereto and incorporating therewith a quantity of a monobasic sugar acid.

2,251,486
COLORING VINYLIDENE CHLORIDE POLYMERS
Alden W. Hanson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 16, 1940, Serial No. 370,358
6 Claims. (Cl. 8—17)

1. The method of coloring normally crystalline vinylidene chloride polymers which comprises providing a supercooled form of such polymer

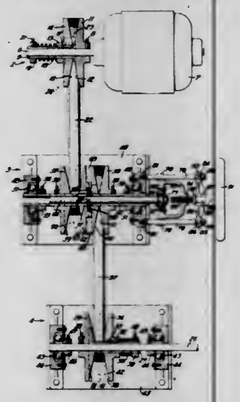
and bringing the same into contact with a coloring agent dispersed in a volatile organic liquid which wets the surface of the polymer.

2,251,487
TOOTH POINT
Chester C. Hosmer, Long Beach, and Ernie L. Launder, Montebello, Calif.
Application April 17, 1939, Serial No. 268,254
1 Claim. (Cl. 37—142)



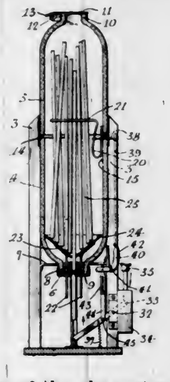
A point adapted to be applied to the forward part of a tooth base, the sides of said part having recesses, the point including a hard wear-resisting metal body adapted to overlie the forward part of the base, to bear on its upper surface and project forward from said part, and a metal box secured to the body, arranged beneath the latter and forming therewith a structure adapted to embrace said part of the base, the box comprising separately formed forward and rear portions, the forward portion being adapted to snugly embrace a material part of the forward portion of said forward part and formed of a substantially unyielding metal to prevent distortion of the box and working of the point on the tooth base, the rear portion being formed of malleable metal and adapted to be distorted to have indented parts engage in the recesses of the base to secure the point to the latter, and a connection integrally joining said front and rear portions of the box.

2,251,488
VARIABLE SPEED DRIVE
Donald Rider Hucke, Oakland, Calif.
Application May 18, 1940, Serial No. 335,961
1 Claim. (Cl. 74—230.17)



In a variable speed device, including spaced drive and driven shafts each being provided with a variable pitch V-belt pulley, a fixed support having journals therein, a tubular countershaft mounted in said journals and axially parallel with the drive and driven shafts, said countershaft having intermediate its ends one or more elongated axially extending slots, a pair of axially spaced cone-faced pulley disks mounted on said countershaft adjacent said slots thereof, a shiftable pulley disk, having opposite coned faces, slidably mounted on said countershaft and positioned between said cone-faced pulley disks, endless belts tractionally engaged with said spaced pulley disks and shiftable disk and the respective variable pitch pulleys of the drive and driven shafts, a shift rod slidably mounted within said tubular countershaft, pins passing through said countershaft slots and engaged at their opposite ends in said shift rod and shiftable pulley disk so as to secure the shiftable pulley disk and shift rod for movement together, a pair of guide rods mounted on and extending from said support, a yoke slidably mounted on said guide rods, means connecting said yoke and an end of said shift rod together for relative rotation, a tie-bar secured to said guide rods, a screw journaled in said tie-bar and threadedly engaged with said yoke, and means for rotating said screw.

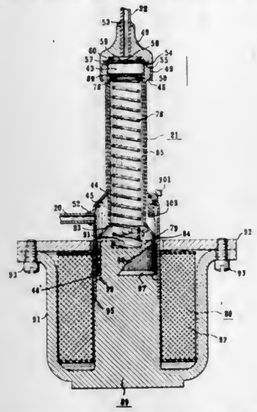
2,251,489
DISPENSER FOR ELONGATED ARTICLES
Ignacy Koziel, Montreal, Quebec, Canada
Application March 5, 1940, Serial No. 322,413
In Canada March 6, 1939
4 Claims. (Cl. 312—78)



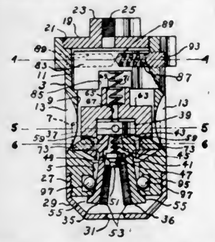
3. A dispenser of the character described comprising a receptacle having an inverted conical bottom and an open top, said bottom having a toothed opening in its center, a vertical tube below said opening and adapted to receive articles from said opening, a plunger slidable in said tube and adapted to push an article from said tube into said open top, means for actuating said plunger, means adapted to agitate articles in said receptacle, and a spring adapted to return said plunger to retracted or idle position and connected to the second named means to operate the same.

2,251,490
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 4, 1937, Serial No. 124,121
15 Claims. (Cl. 230—55)

1. A fluid compressor and driving mechanism therefor, comprising in combination a cylinder; a piston; one of the aforementioned members being arranged for floating movement relative to the other; means for imparting reciprocating movement to the movable member to cause the same to float in one direction; and means for preventing variation in fluid pressure from varying the extent of movement of said floating member.

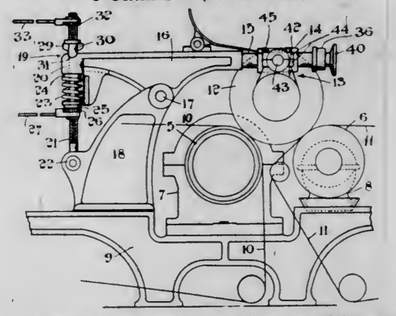


2,251,491
AUTOMATIC STUD DRIVER
Cecil A. Lozen, Rochester, Mich.
Application June 3, 1939, Serial No. 277,235
5 Claims. (Cl. 81—112)



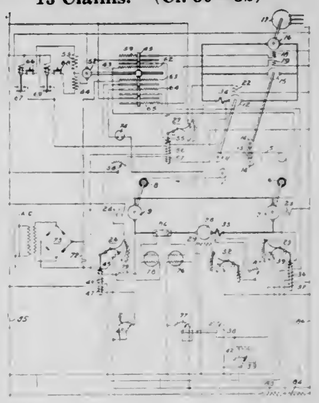
1. In a screw driving device the combination of, a head having driving connection support means at one end and a jaw receiving socket opening from the other end, separable jaws movable axially and rotatable in said socket and closed by the open end of the socket when pushed thereinto, a latch sleeve disposed in said jaw receiving socket adjacent the inner ends of said jaws, said latch sleeve being arranged for axial and rotative movement in the jaw receiving socket, resilient means for projecting said latch sleeve toward the open end of the jaw receiving socket, latching means movably carried in the side-walls of said latch sleeve for latching the jaws to prevent rotative movement of the jaws relative to the latch sleeve, cam means projecting inwardly from the side-walls of the jaw receiving socket in a predetermined position for actuating said latching means to jaw latching position when the jaws and the latch sleeve have been pushed a predetermined distance into said socket, yieldable driving means in said socket for rotatably driving said latch sleeve to rotate with the head in variable angular positions therein according to the driving resistance encountered by said jaws and said yieldable driving means being so selected or adjusted that when a driving resistance is encountered by the jaws greater than required the latch sleeve turns sufficiently in said socket to carry the latching means away from said cam means for releasing the jaws from driving connection.

2,251,492
PAPER MACHINE PRESS
Bernard A. Malkin, Lachine, Quebec, Canada, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada
Application August 19, 1937, Serial No. 159,939
8 Claims. (Cl. 92—49)



1. A press for paper making machines comprising a top roll and two bottom rolls arranged in triangular formation with the top roll bearing on the bottom rolls, a pair of loaded pressure applying levers mounted to swing about a common horizontal axis located at one side of the top roll, a pair of nip pressure distributing links suspending the top roll from said levers, each link having its lower end connected to the roll so that the upper end of the link is shiftable about an axis coinciding with the longitudinal axis of said roll and means slidably and pivotally connecting the upper end of each link to one of said pressure applying levers.

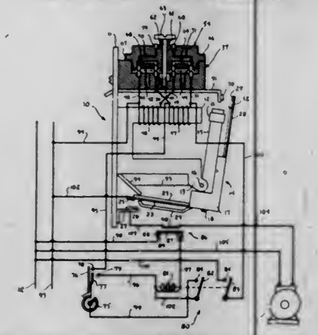
2,251,493
CONTROL SYSTEM
Terryl B. Montgomery, Wauwatosa, and Edward H. Stivender, West Allis, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 18, 1937, Serial No. 180,520
13 Claims. (Cl. 80—32)



1. In a control system for winding and reeling a strip of material, a dynamo-electric machine mechanically connected to said strip for tensioning the same, means for maintaining said tension substantially constant comprising an electroresponsive device provided with a first winding operatively responsive to a change in a characteristic of said dynamo-electric machine, and means for adjusting said tension to a

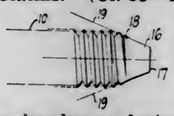
changed substantially constant value comprising a second winding on said device operative to maintain the current in said first winding proportional to said tension.

2,251,494
VOLTAGE CHANGE-OVER RELAY
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 31, 1938, Serial No. 248,912
19 Claims. (Cl. 175—320)



1. In a relay, in combination, a pair of coils adapted to be connected to a source of power supply, contacts connected to said coils and adjustable means for bridging said contacts whereby said coils may be connected either in series or in parallel, said means comprising a removable unit having contacts for engaging said aforementioned contacts and screws insertable through said unit for retaining said unit in position, said unit having contacts bridgable by said retaining screws, said unit embodying resistances which become connected in predetermined circuit relationship with said coils when said unit is in position.

2,251,495
POLE LINE HARDWARE DEVICE
Langdon T. Owen, Redwood City, Calif., assignor to Hubbard and Company, a corporation of Pennsylvania
Application June 15, 1940, Serial No. 340,743
2 Claims. (Cl. 85—1)

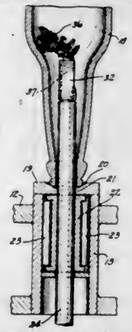


2. A pole line hardware device comprising a threaded body having a terminal end thereon tapering toward the extremity thereof for a distance equivalent to the pitch of only about four of the threads on said body, said terminal end being tapered at such an angle to the threaded body that said tapered terminal includes only about one complete thread from said body having the same root diameter as the other threads on said body.

2,251,496
METHOD OF PREPARING CHEESE
Clinton H. Parsons, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 29, 1935, Serial No. 33,659
4 Claims. (Cl. 99—116)

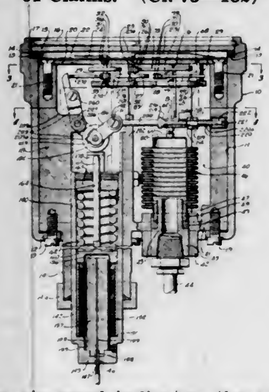
4. The method of preparing a pasteurized cheese product which comprises subjecting matted or Cheddared curd to which no salt has been added to a temperature of from 50° Fahrenheit to 60° Fahrenheit for three to ten days, admixing the curd with cheese and thereafter pasteurizing the mixture.

2,251,497
BOTTLE CLEANING BRUSH APPARATUS
Charles W. Reise, Milwaukee, Wis., assignor to Abraham D. Braun, Milwaukee, Wis.
Application April 20, 1939, Serial No. 268,862
3 Claims. (Cl. 15—165)



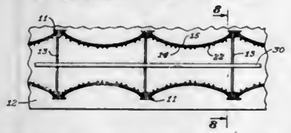
2. In a bottle cleaning apparatus, a reciprocatable and revoluble tubular spindle, a portion of said spindle being longitudinally yieldable, a tubular cap removably carried by one end of said spindle, a brush arm, a series of bristles to form a brush mounted on said brush arm, said series of bristle arranged in convolute form, a hinged connection between an inner end portion of the brush arm and said cap, a spring associated with said hinged connection and the brush arm to yieldingly urge said arm toward an angularly outwardly directed position relative to the spindle axis, a fixed bushing surrounding one end portion of the spindle, a revoluble collar within the bushing and spacedly surrounding a portion of the spindle, and anti-friction means between the collar and the bushing, the brush arm and brush being housed within the collar when the spindle is in a retracted position.

2,251,498
AIR SPEED INDICATOR
Leo Nevin Schwien, Los Angeles, Calif.
Application January 26, 1938, Serial No. 187,024
31 Claims. (Cl. 73—182)



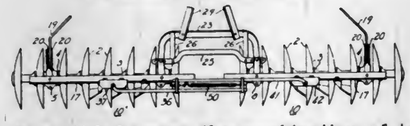
1. In an air speed indicator, the combination of differential pressure operated means movable in response to the differential of velocity air pressure and static air pressure, indicating means, an operative linkage interconnecting said differential pressure operated means and said indicating means, said operative linkage including a pair of levers, static pressure compensation means associated with one of said levers, including operating means movable in response to varying static air pressure and independently of temperature, for varying the multiplying ratio of said lever in inverse proportion to varying static air pressure, and temperature compensation means associated with the other of said levers, including operating means movable in response to varying external absolute temperature, for varying the multiplying ratio of said other lever in direct proportion to varying external absolute temperature.

2,251,499
BUILDING STRUCTURE
John C. Pelton, Los Angeles, Calif., assignor to Viber Company, a corporation of California
Application November 2, 1938, Serial No. 238,399
14 Claims. (Cl. 72—48)



1. A form for a monolithic concrete wall structure comprising vertical framing elements, inwardly arched self-supporting sheeted members sprung and held by compression between adjacent framing elements defining at least two sides of a space to be filled with concrete, and tie means attached to said framing elements and wholly within the space for concrete, adapted for holding said arched members in place during the pouring and setting of the concrete.

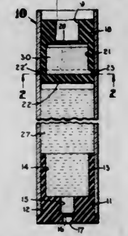
2,251,500
DISK HARROW
Floyd W. Short, Peoria, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 16, 1940, Serial No. 319,185
9 Claims. (Cl. 55—83)



1. In a disk harrow, the combination of two oppositely extending disk gangs, draft means for said gangs, a bracket secured to each of said gangs above the axis thereof, a pair of transversely extending rods pivotally supported, respectively, on said brackets, guide means associated with relatively adjacent portions of said rods for controlling relative longitudinal movement of said rods, and spring means cooperating with said rods to resist said relative longitudinal movement thereof.

2,251,501
SYRINGE AMPOULE
Arthur E. Smith, Los Angeles, Calif.
Application May 22, 1939, Serial No. 275,055
1 Claim. (Cl. 128—272)

In an ampoule for use in a hypodermic syringe, a cylindrical glass body having a stopper at one end thereof, a second stopper in the body at the other end thereof, said second stopper including a body portion having a recess therein at the outer end thereof, a diaphragm forming the inner wall of said recess, said body having a chamber therein, said diaphragm forming the



outer wall of said chamber and a trap door integral with the wall of said chamber, said trap door being cylindrical and having its periphery sealingly engaging the interior of said ampoule and a medicinal preparation in said chamber.

2,251,502
TEMPORARY SILO AND METHOD OF CONSTRUCTION
Hugh C. Smith, Wayne, Ill., assignor to American Reenforced Paper Company, Attleboro, Mass., a corporation of Massachusetts
Application March 26, 1940, Serial No. 325,970
5 Claims. (Cl. 189—3)

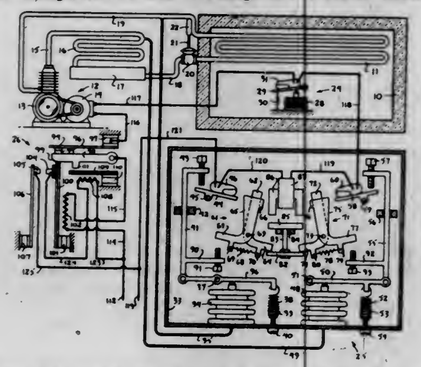


1. A temporary silo composed of a plurality of telescoping wall tiers each comprising horizontally embracing members and a plurality of smooth convexly curved vertical runners disposed within the embracing members and secured thereto, and a lining disposed in sliding engagement with the runners, the embracing members of one tier being disposed within and contiguous to the convex surfaces of the runners of the tier next below it, whereby vertical movement of the lining and telescoping of the tiers are facilitated.

2,251,503
REFRIGERATION CONTROL SYSTEM
Charles B. Spangenberg, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 30, 1938, Serial No. 232,574
26 Claims. (Cl. 62—4)

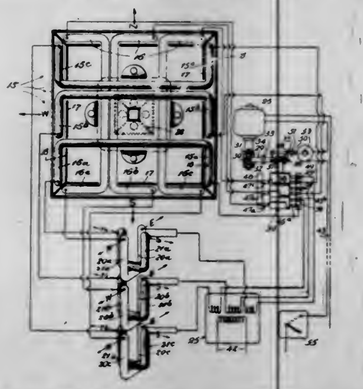
1. In a control system for a refrigerating appa-

ratus including a compressor and evaporator means for cooling a medium, the combination of, means including switch means for controlling the operation of the compressor, means responsive to a condition which is a measure of evaporator temperature for closing the switch means



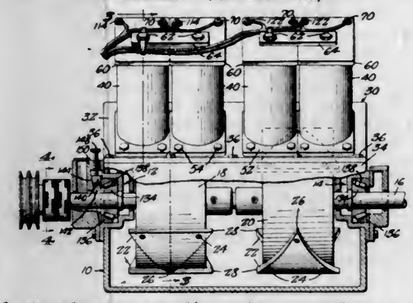
when the evaporator temperature rises to a predetermined high value for operating the compressor, and latch means operated as an incident to operation of the compressor for holding the switch means closed as long as the compressor remains in operation.

2,251,504
TRAFFIC SIGNAL
Theodore E. Steiber, Bridgeport, Conn., assignor of one-half to Arthur A. Johnson, Bridgeport, Conn.
Application June 22, 1937, Serial No. 149,574
12 Claims. (Cl. 177—337)



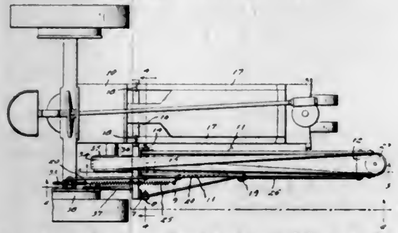
1. In a signaling device comprising a housing having a stop and a go aperture, a plurality of light sources for illuminating each aperture; means mounted in the housing for varying in a predetermined manner the number of said light sources which are illuminated in each aperture during a change of the signal from stop to go to give a caution signal, said control means including a periodically driven rotary contact drum; a plurality of fixed contactors cooperating therewith to control the illumination of said light sources; and electro-responsive means for arresting rotation of the drum to prevent overrunning thereof upon completion of a change of said signal from stop to go on one side and from go to stop on another side.

2,251,505
ELECTROMAGNETIC MOTOR
Albert W. Stephenson, Indianapolis, Ind.
Application December 16, 1940, Serial No. 370,411
3 Claims. (Cl. 172—36)



1. An electromagnetic motor comprising a rotative shaft, a rotor fixed to said shaft, electromagnets, pointed armatures fixed to the rotor and arranged in operative relation with said electromagnets, an electric circuit connected with said electromagnets, means actuated through rotation of said shaft for periodically energizing the electromagnets in timed relation to said armatures, said electromagnets being grouped in pairs spaced circumferentially of said rotor, and the electromagnets in each pair being spaced on opposite sides of the points of the armatures.

2,251,506
DIRT LIFTING TRACTOR AUGER
Robert Tichy, Jr., Wilber, Nebr.
Application July 10, 1940, Serial No. 344,800
1 Claim. (Cl. 255—19)

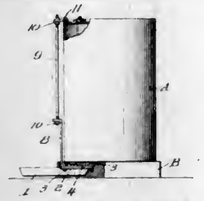


An earth boring device comprising a frame pivoted at one end to swing about a horizontal pivot, a driven shaft carried by the free end of the frame and extending perpendicular to the frame, an auger having the initial convolution of greater diameter than the remaining convolution and having the initial convolution spaced from the next succeeding convolution a greater distance than the remaining convolutions are spaced from each other so that dirt will be lifted from the hole during the boring operation, and a universal joint connecting said auger to said driven shaft.

2,251,507
STOCK WATERING DEVICE
Ferdinand C. Veith, Upper Sandusky, Ohio
Application November 21, 1939, Serial No. 305,533
1 Claim. (Cl. 119—77)

An automatic watering device for use with an airtight container that provides a reservoir therefor, said container having an outlet opening in the bottom thereof, and said device comprising an elongated rectangular trough having side and end walls, an outwardly directed flange formed

along the length of one end wall and a portion of the length of the side walls, a cover plate for the flanged portion of the trough and resting upon and secured to the flange, a nipple secured to and extending through the plate for disposal within the trough and within the outlet opening for the passage of water from the container to the trough, a gasket surrounding the nipple and having the container mounted thereon to provide

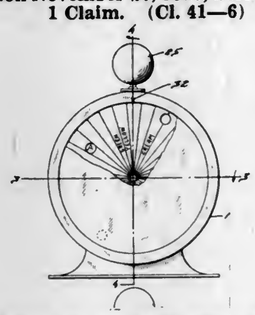


a leakproof connection between the container and nipple, a substantially triangular shaped upright extension formed on the inner end of the plate and having its upper apex end portion bent for disposal in a horizontal plane, a clamping lug for disposal about the upper edge of the container, and a rod bolt secured to and arranged between the apex end portion and the clamping lug for detachably securing the trough to the container.

2,251,508
TREATMENT OF POLYAMIDES
Frederick K. Watson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 4, 1939, Serial No. 288,447
12 Claims. (Cl. 8—113)

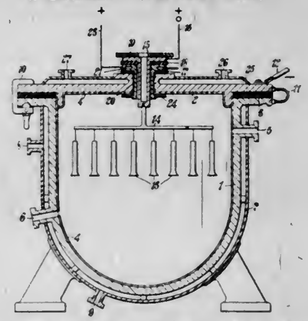
1. A process for increasing the coefficient of friction of a synthetic linear polyamide article in the form of a filament, pellicle or the like, which comprises treating said article with an acidic material of the class consisting of acids and acid halides and then removing said material before the tenacity of the article has been reduced to a harmful degree.

2,251,509
COLOR CLOCK
Verner E. Babcock, Port Clinton, Ohio
Application November 27, 1940, Serial No. 367,473
1 Claim. (Cl. 41—6)



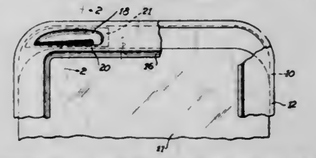
In a device of the class described, a circular frame, a rim enclosing the frame, a base for supporting the rim and frame, transparent members at both sides of the frame and spaced therefrom, stationary disks supported in the frame on both faces thereof, rotary disks covering the stationary disks and covered in turn by the transparent members, the stationary disks having indicating data on the front faces and the rotary disks having holes therein for exposing some of the data, the outer faces of the rotary disks having radiating spaces thereon marked to indicate various colors, a shaft supported for rotary movement in the frame and having its ends passing through the stationary disks and to which ends the rotary disks are connected for rotation with the shaft, a vertically arranged shaft supported in the frame and passing through the top of the rim, a knob connected with the upper end of the shaft and gearing connecting the two shafts together.

2,251,510
METHOD OF COATING METALLIC ARTICLES
Bernhard Berghaus, Berlin-Lankwitz, and Wilhelm Burkhardt, Berlin-Grunewald, Germany; said Burkhardt assignor to said Berghaus
Application October 3, 1938, Serial No. 233,138
In Germany April 14, 1938
2 Claims. (Cl. 204—192)



1. The method of coating metal articles by cathode disintegration which comprises, arranging the articles within a housing formed of a metal to provide the coating, insulating the articles with respect to the housing, sealing the housing, adjusting the pressure within the housing to support cathode disintegration therein, impressing a voltage across the articles and the housing to create a glow discharge within the housing and disintegrate metal particles from the housing onto the articles, adjusting the voltage to such a value with respect to the pressure within the housing so as to liberate heat adjacent and around the articles so as to heat the articles to at least 300° centigrade.

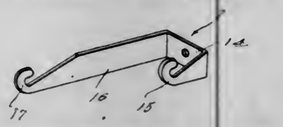
2,251,511
VENTILATOR
James P. Burke, Knoxville, Tenn.
Application October 4, 1937, Serial No. 167,175
7 Claims. (Cl. 98—2)



1. In ventilating means for a vehicle having a side window a side wall member depending partially over the window and having a horizontally elongated opening therein located below the upper edge of the window, an outwardly projecting cowl extending vertically over one end of said opening, and an elongated streamlined hood ex-

tending horizontally from the top of said cowl longitudinally over the upper part of said opening with its lower edge spaced above the lower edge of said opening.

2,251,512
CURTAIN TIEBACK BRACKET
William E. Bush and Leonard W. Everhardt, Woodland, Calif.
Application November 14, 1939, Serial No. 304,435
4 Claims. (Cl. 156—33)



1. In a curtain tie-back fixture of the character described, a substantially U-shaped bracket comprising an attaching web portion and two right angularly disposed arms, one substantially longer than the other, laterally spaced from each other, with the free end portions thereof tapering and merging into terminal hooks, the marginal edges of said hooks being of gradually rounding curvate form.

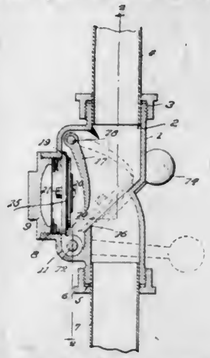
2,251,513
CORRUGATING MACHINE
William H. Cannard, Green Bay, Wis.
Application October 20, 1936, Serial No. 106,684
1 Claim. (Cl. 154—30)



In a corrugating machine, a corrugating unit adapted to form longitudinal corrugations in a web of material passed lengthwise through the machines and including coacting sets of traveling belts between which the material is fed, a pair of coacting opposing press rolls, the respective sets of traveling belts passing about the respective rolls, peripheral grooves in the pressing surfaces of the rolls in which the belts seat during pressing of the web corrugations, the opposing rolls being positioned with their point of contact offset from the path of travel of the belts so that the web is first pressed by the coacting sets of belts about one of the press rolls without crushing before passing between and being pressed by said rolls.

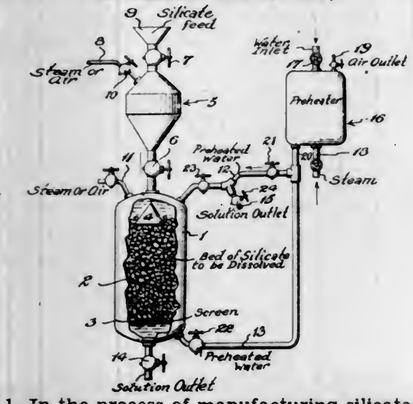
2,251,514
VALVE
Aniceto Carrillo, Mexico City, Mexico
Application June 3, 1940, Serial No. 338,628
3 Claims. (Cl. 251—10)

1. A valve structure including a casing having a vertically aligned inlet and outlet, a valve seat transverse the inlet and outlet and arranged on a plane at an inclination thereto, a valve mounted in the casing and movable from an open position out of line of direct fluid flow into contact with the valve seat, and a gate pivoted in vertical alignment with the valve and movable with the valve toward the valve seat to dispose the gate transverse the path of flow of fluid and at an inclination to the closed valve, the gate, when the valve is in open position, overlying the valve at one side of the path of fluid flow and subjected



to the pressure of the fluid to hold the valve in open position.

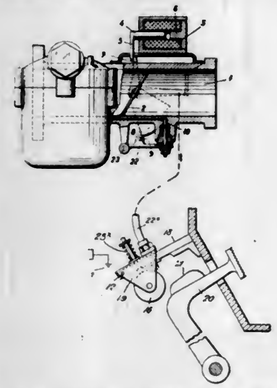
2,251,515
MANUFACTURE OF ALKALI METAL SILICATE SOLUTIONS
Daniel B. Curll, Jr., Marple, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 23, 1939, Serial No. 252,504
19 Claims. (Cl. 23—110)



1. In the process of manufacturing silicate solutions from alkali metal silicate glasses, the steps which comprise preheating water to a temperature above its normal boiling point while out of contact with such a silicate glass, bringing the preheated water into contact with the silicate glass in a closed dissolving zone with the least possible agitation and maintaining the liquid and the silicate glass in a quiescent condition until a concentrated solution of the alkali metal silicate is formed, the temperature of the dissolving zone being above the boiling point of water and sufficient superatmospheric pressure being maintained in said dissolving zone to prevent boiling of the liquid.

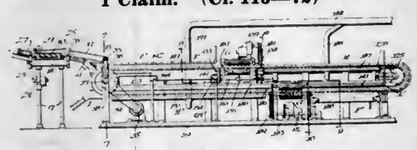
2,251,516
CONTROL DEVICE FOR CARBURETORS ON MOTOR VEHICLES
Ernst Dörner, Chemnitz, Germany
Application March 24, 1939, Serial No. 264,044
In Czechoslovakia April 3, 1937
6 Claims. (Cl. 192—.01)

1. In apparatus of the class described for motor vehicles, a carburetor having an outlet duct, a throttle valve controlled passage through said duct and an idling fuel passage having an outlet into said duct at the outlet side of said throttle valve, an idling fuel valve for said idling fuel passage, means continuously tending to close said idling fuel valve, means cooperating with said throttle valve for opening said idling mixture valve as said throttle valve begins to open to idling position, manually operated means for the normal control of the throttle valve for effecting



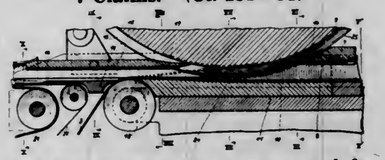
the different running speeds of the engine by which also the throttle valve may be completely closed, an electromagnetic stop device cooperatively connected with said throttle valve for moving the closed throttle valve to an idling position, and means cooperative with the clutch pedal for first mechanically moving said throttle valve to idling position and then effecting electrical energization of said electromagnetic means as the clutch pedal is moved to disconnect the clutch.

2,251,517
APPARATUS FOR SOLDERING CONTAINERS
George Goebel and Harry A. Rau, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application June 22, 1937, Serial No. 149,764
1 Claim. (Cl. 113—72)



In an apparatus for soldering can ends to can bodies, spaced sprocket wheels rotatable in a vertical plane, an endless chain movable about said wheels and through upper and lower paths of movement, a plurality of can engaging and supporting elements projecting laterally from said chain, said elements being rotatable with respect to said chain, means adjacent one end of the upper path of movement of said chain to move said elements to can engaging position, means along said upper path to rotate said elements and the cans carried thereby, means coincidental with said last-named means to heat, apply solder to, wipe the solder toward, and, by a stream of gas under pressure, cool one end joint of the can, all while the longitudinal axis of the can is maintained in a substantially horizontal plane, means along said lower path to rotate said elements and the cans carried thereby, means coincidental with said last-named means to heat, apply solder to, wipe the solder toward, and, by a stream of gas under pressure, cool the other end joint of the can, all while the longitudinal axis of the can is maintained in a substantially horizontal plane, and means at the far end of the lower path of movement of said chain to move said can engaging and supporting elements to can releasing position.

2,251,518
BELT GUIDE FOR CIGARETTE MACHINES
Paul Johannes Herrmann, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application July 1, 1938, Serial No. 216,873
In Germany April 8, 1938
7 Claims. (Cl. 131—84)

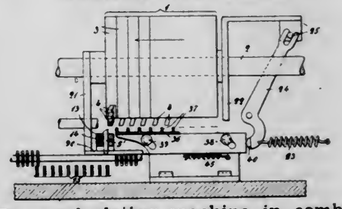


1. A cigarette machine having a rod forming channel, a conveyor belt in said channel, and a peripherally grooved compressing disc, said channel having its side walls cut away concentrically with said disc and said disc dipping into the cut away portion, and a pair of fingers on opposite sides of said disc between the disc and said belt and being longitudinally tapered whereby to spread said belt.

2,251,519
PROCESS FOR MAKING POLYMERIC MATERIALS
Robert M. Joyce, Wilmington, and David M. Ritter, Claymont, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 7, 1939, Serial No. 255,164
20 Claims. (Cl. 260—2)

1. A process for making polymers from a cyclic amide which contains more than 6 annular atoms consisting of carbon atoms and of amido nitrogen atoms forming part of an amide grouping which is an integral part of the annular structure, said process comprising heating said amide at polymerizing temperature with an initial product obtained by heating said amide below said temperature with a small amount of a metal of the class consisting of alkali and alkali earth metals.

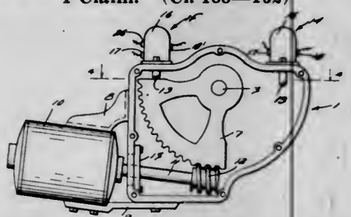
2,251,520
CALCULATING MACHINE
Torsten Lagerman, Goteborg, Sweden
Application May 18, 1938, Serial No. 208,679
In Germany May 28, 1937
2 Claims. (Cl. 235—79)



1. In a calculating machine in combination,

a rotor, a number of radially projecting and normally inoperative teeth mounted on said rotor in equally spaced apart transverse planes, said projecting teeth being shiftable laterally in relation to the rotor into operative positions, a number of setting members mounted in a transverse row, a keyboard, means under the control of said keyboard for bringing predetermined setting members in positions each in lateral alignment with one of the projecting teeth, an escapement mechanism operable under the control of said keyboard to displace the rotor in a lateral direction in steps equal to the distances between said transverse planes after predetermined ones of said setting members have been positioned and thereby to cause said predetermined setting members to shift the teeth aligned therewith into operative positions without rotation of the rotor, and means for restoring said setting members.

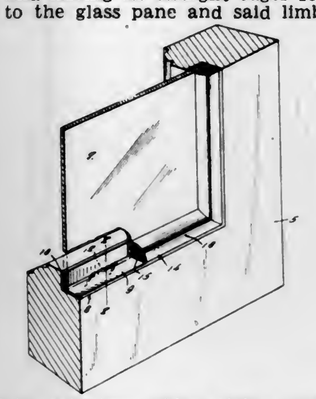
2,251,521
BRAKE OPERATING MEANS
Jack McIntyre and Wayne C. Doran, Westfield, Pa.
Application February 3, 1941, Serial No. 377,234
1 Claim. (Cl. 188—162)



A device of the character described comprising a brake operating means including a member adapted to occupy brake applying and brake releasing positions, a reversible electric motor operatively connected to said member, a source of electrical energy, a reversing switch connected between said motor and said source, stop switches connected between said reversing switch and said motor, said stop switches being normally closed to condition operation of the motor, means operated by said member in its extreme brake applying and brake releasing positions for opening the corresponding stop switch to deenergize the motor, and a telltale connected between said source and one of said stop switches, the last named stop switch including a normally open circuit closer connected between said source and said last named stop switch, said circuit closer being arranged to be closed by said member to energize the telltale while said member is in its brake applying position.

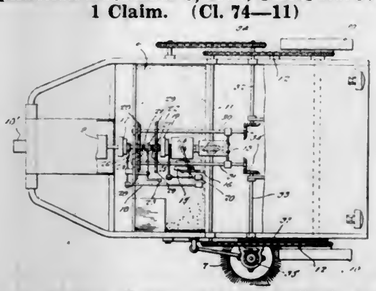
2,251,522
WINDOW GLASS SET
Theodore Nyberg, Auburn, Maine
Application September 19, 1939, Serial No. 295,681
1 Claim. (Cl. 20—56.4)

Means for holding a pane of glass in a sash frame comprising an angle-shaped strip of rubber fitting in the pane-receiving groove of the frame, said strip having grooves therein at the junction of the two parts thereof, staples fitting in the grooves and having their limbs passing through the strip into the frame and a second rubber strip having two substantially straight edges arranged at right angles to each other, one for engaging edge portions of the pane and the other one limb of the other strip, the second strip being of substantially triangular shape in cross section and having its straight edges formed to adhere to the glass pane and said limb of the



other strip, said two rubber strips constituting the sole means for holding the pane in the sash frame.

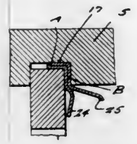
2,251,523
POWER TRANSMISSION MECHANISM
Oscar C. Patterson, Keokuk, Iowa
Application December 8, 1939, Serial No. 308,244
1 Claim. (Cl. 74—11)



In a device of the class described, a drive shaft, a driven shaft, an intermediate shaft located between the two shafts and in longitudinal alignment therewith, clutch means for connecting one end of the intermediate shaft with the drive shaft, clutch means for connecting the other end of the intermediate shaft with the driven shaft, a second driven shaft having an end portion parallel to the intermediate shaft, a third driven shaft having an end portion parallel to the intermediate shaft with the third shaft arranged on the opposite side of the drive, driven and intermediate shafts from that of the second driven shaft, a pair of gears loosely arranged on the intermediate shaft, a pair of gears fastened to each of the second and third driven shafts and meshing with the first pair of gears, the gears of one set being of a different size to those of the other set and clutch means for connecting either one of the gears on the intermediate shaft with the intermediate shaft or for disconnecting both said gears from said intermediate shaft.

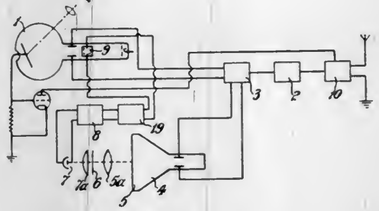
2,251,524
METALLIC WEATHER STRIP
Robert A. Phillips, Silver Spring, Md.
Application October 23, 1939, Serial No. 300,830
1 Claim. (Cl. 20—69)

In a window frame having a groove therein, a parting strip having a portion seated in the groove, and a sash; a strip of doubled spring metal having its doubled part located in the groove between a wall thereof and a part of the parting strip with the two free-edge parts of the spring strip projecting from the groove, with one edge part extending along a side face of the parting strip and bowed outwardly with its edge located close to the said side face of the parting



strip, the other edge part of the spring strip diverging from the first edge part and normally extending at an angle from that part of the frame adjacent the groove and adapted to be pressed against said part of the frame by the sash, the corner of which fits between the two edge parts of the spring strip, the free edge of said other edge part curving outwardly to contact the sash.

2,251,525
SECRET TELEVISION SYSTEM
Adolf Heinrich Rosenthal, Kensington, London England
Application April 29, 1940, Serial No. 332,319
In Great Britain March 6, 1939
7 Claims. (Cl. 178—69.5)



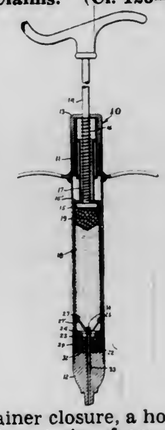
1. Apparatus for the transmission of television and like signals comprising a generator of electrical frame synchronizing oscillations, a scanning device adapted to be controlled by said frame synchronizing oscillations for scanning a pattern to generate irregular electrical line synchronizing oscillations, a picture transmitter adapted to be controlled by both line and frame synchronizing oscillations, means for transmitting the frame synchronizing oscillations to a receiving station, a scanning device at the receiving station adapted to be controlled by the received frame synchronizing oscillations for scanning a corresponding pattern to generate corresponding line synchronizing oscillations, and means for utilizing the frame and line synchronizing oscillations to control a picture receiver

---

2,251,526
QUININE SOLUTION
Arnold Salomon, Oss, Netherlands, assignor to the firm: N. V. Orgachemia, Oss, Netherlands
No Drawing. Application January 28, 1939, Serial No. 253,442. In the Netherlands January 28, 1938
2 Claims. (Cl. 260—284)

1. A stable solution of the monoascorbate of quinine monohydrochloride.

2,251,527
SYRINGE AND AMPOULE
Arthur E. Smith, Los Angeles, Calif.
Application November 3, 1933, Serial No. 696,506
10 Claims. (Cl. 128—218)

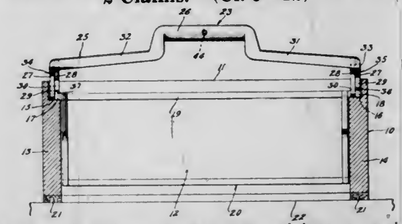


1. In a container closure, a hollow body having a recess therein opening from one end thereof, a disc at one end of said recess, a tablet adjacent said disc, a second disc adjacent said tablet and spaced from the first disc, means whereby said discs are held in place, said closure having a hole therein leading to the other end of said recess.

2,251,528
METHOD OF MANUFACTURE FOR BRICK OR BLOCK GREASES
Lorne W. Sproule and Edmund J. Higgins, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 5, 1939, Serial No. 307,586
4 Claims. (Cl. 252—42)

1. A lubricant having the following formula: 10 to 20% of soda soaps of stearic and rosin acids, 5 to 20% of a vegetable wax having an acid number of less than 20 and 60 to 85% of a mineral lubricating oil having a Saybolt viscosity at 210° F. greater than 60 seconds.

2,251,529
COMB FRAME LIFTING TONGS
Edward C. Sterling, Westport, Conn.
Application March 15, 1939, Serial No. 262,049
2 Claims. (Cl. 6—12)



1. Comb frame tongs comprising a pair of longitudinally extending handle bar members; spreading means normally to maintain the bar members outwardly; downwardly extending tong members at opposite ends of the bar members; the tong members of the respective bar members being pivoted to each other; each tong member having near its lower edge a hive contacting surface and a comb frame contacting

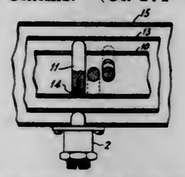
surface; the hive contacting surfaces of opposite tongs being in alignment when the handle bars are in normally outwardly extended position and adapted to be inwardly and upwardly inclined when the bars are in comb frame gripping position; said tong members having abutting surfaces to limit the outward movement of the tongs to a position where the lower surfaces will be in alignment.

2,251,530
SUPPORT FOR HIGH FREQUENCY CONCENTRIC CONDUCTORS

Earle Dayton Thorne, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Continuation of application Serial No. 130,243, March 11, 1937. This application March 19, 1940, Serial No. 324,892

20 Claims. (Cl. 174—28)



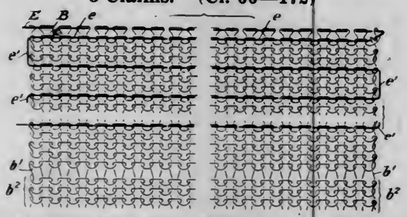
1. A high frequency apparatus comprising an outer conductor having a plurality of apertures therein, an inner conductor arranged within said outer conductor, a plurality of supports for adjusting and locating said inner conductor, each of said supports having a raised boss portion, each support located at an aperture on the outside of said outer conductor and spaced apart from the other supports, a hollow stud located within said boss portion, and an insulating member secured to said hollow stud and arranged to extend inwardly through an aperture in the wall of said outer conductor to contact the outside wall of said inner conductor.

2,251,531
HOSIERY

Paul L. Thurston and Harrison F. Hilker, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey

Application October 5, 1939, Serial No. 297,970

5 Claims. (Cl. 66—172)



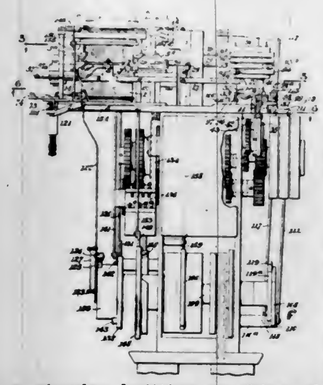
1. A plain knit form fitting and self-supporting top for an article of hosiery having lateral longitudinal selvages and comprising a plurality of courses of stitches formed of inelastic thread by circular knitting in alternately opposite directions said courses terminating at each end at said selvages, and an elastic thread extending coursewise in certain courses of the fabric, united to the fabric at spaced points in said courses and floated on the inner face of the fabric between said points, said elastic being incorporated under sufficient tension to contract the fabric into vertically extending ribs or ridges when in undistended condition.

2,251,532
CIRCULAR KNITTING MACHINE

Paul L. Thurston and Harrison F. Hilker, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey

Application February 17, 1940, Serial No. 319,454

18 Claims. (Cl. 66—9)



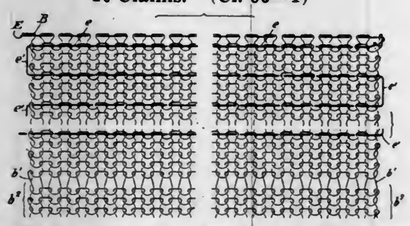
1. In a circular knitting machine, the combination of a knitting cylinder, a series of consecutive independently operable needles extending less than completely around the cylinder and forming a gap, knitting cam mechanism, selecting cam mechanism, means for establishing reciprocating relative rotary movement between said cylinder and cam mechanisms, means for feeding a continuous elastic thread to spaced selected needles during the rotation of the cylinder in both directions, and means for feeding an inelastic thread to all the needles.

2,251,533
PROCESS OF KNITTING

Paul L. Thurston and Harrison F. Hilker, Martinsburg, W. Va., assignors to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey

Original application October 5, 1939, Serial No. 297,970. Divided and this application March 8, 1940, Serial No. 322,874

10 Claims. (Cl. 66—1)



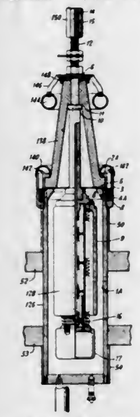
1. The process of producing a full-fashioned stocking having a form-fitting top, which comprises forming a top portion by feeding an inelastic thread to a plurality of consecutive needles of a circular knitting machine less than the number of needles which would be required to form a complete circular series, operating said machine by reciprocation to form a plurality of courses on all of said needles terminating at each end in a selvage, and incorporating an elastic thread in selected courses of said top portion, knitting a full-fashioned leg portion on a flat knitting machine, the upper edge of the leg portion being united to the lower edge of said top, and connecting together the lateral edges of said leg portion and top by a vertical seam.

2,251,534
HIGH FREQUENCY TERMINAL

George Lindley Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application August 14, 1936, Serial No. 96,046. Divided and this application April 21, 1937, Serial No. 138,111

2 Claims. (Cl. 174—142)



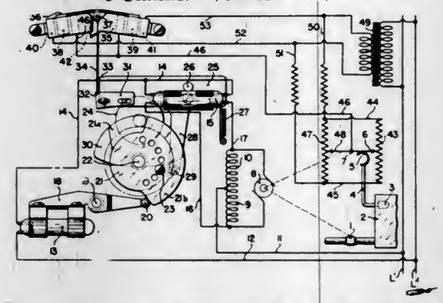
1. In high voltage terminal construction, in combination, a casing member, an insulator having a shouldered base portion supported by said casing, a ring-like terminal member on the top of said insulator, a clamp ring, a plurality of binding members for clamping the shouldered portion of said insulator to said casing by said clamp ring, a metallic cover in the form of an annular shield having substantially a semi-circular cross-section, said shield located above said clamp ring and arranged to be a snug fit on the outside wall of said insulator for completely enclosing said binding members to prevent sparking or arc-over caused by sharp points thereon, and a hollow metallic ring forming a corona shield located above said cover and secured to an end opposite the shouldered portion of said insulator for reducing the tendency towards surface creepage and arc-over on said insulator.

2,251,535
CONTROL INSTRUMENT

Roy Ullman, Roslyn, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 14, 1938, Serial No. 213,620

9 Claims. (Cl. 236—74)



1. In a control instrument the combination with a reversible motor driving means to adjust the value of a controlled condition, a first switch for determining the direction of rotation of said motor, a second energization controlling switch in circuit with said first switch, a balanced electric circuit, means responsive to variations in said controlled condition for unbalancing said circuit, and means for periodically closing said first switch in accordance with said variation and for thereafter periodically closing said second switch to energize said motor.

2,251,536
METHOD OF MANUFACTURING DETERGENT, WETTING-OUT, AND EMULSIFYING AGENTS

Eitaro Watanabe, Chiba Ken, and Shuji Kawamura, Tokyo, Japan, assignors to Miyoshi Kagakukogyo Kabushiki Kaisha, Tokyo, Japan, a corporation of Japan

No Drawing. Application February 7, 1939, Serial No. 255,050

4 Claims. (Cl. 260—512)

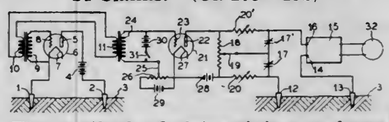
1. Method of manufacturing a detergent, wetting-out, and emulsifying agent, which consists in mixing phenols with monohydric higher alkyl alcohols having more than 6 atoms of carbon, heating the mixture with the addition of an ammonium salt as a catalyser so as to combine the phenols with the monohydric higher alkyl alcohol and causing the thus-obtained product to react with a sulphonation agent, maintaining it at a temperature below 25° C., and thus converting the same into a sulphonated compound.

2,251,537
ELECTRICAL TRANSIENT PROSPECTING

Gifford E. White, Fredericksburg, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 16, 1937, Serial No. 180,091

14 Claims. (Cl. 175—182)

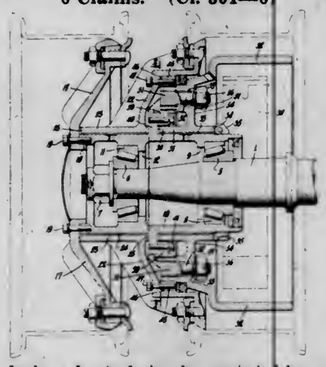


1. The method of determining underground structure which comprises instituting a difference in direct current voltage between spaced points in the ground, whereby a transient is initiated in the earth, instituting a change in the direct current voltage across an electrical network having adjustable constants whereby a transient is initiated in said network, receiving both transients and adjusting the constants of said electrical network until its transient corresponds, at least in part, to the earth transient.

14. An apparatus for geophysical prospecting comprising a pair of electrically connected charging electrodes adapted to be spaced in the ground and constituting a charging circuit, means in said circuit for changing the voltage across said electrodes, a pair of electrically connected probe electrodes adapted to be spaced in the ground, an indicating instrument in the probe electrode circuit, an electrical network in said probe circuit comprising an adjustable reactance and an adjustable resistance, means in said electrical network for instituting therein a change in voltage independent of that picked up by the probe electrodes, an inductive coupling between the voltage creating means in the charging circuit and the voltage creating means in said electrical network, and means associated with said induc-

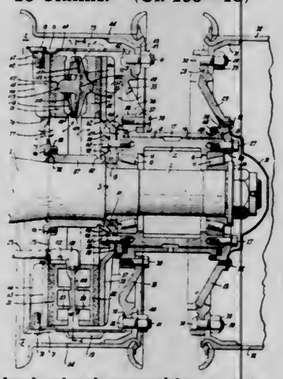
tive coupling for initiating a change in voltage in the charging circuit and in said electrical network at the same instant.

2,251,538
DUAL WHEEL VEHICLE
Charles S. Ash, Milford, Mich.
Application September 13, 1938, Serial No. 229,698
6 Claims. (Cl. 301—6)



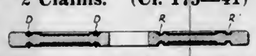
1. A hub adapted to be rotatably mounted on an axle, dual wheels, one of said wheels being fixed to said hub, the other of said wheels being rotatably mounted on said hub, a brake drum rotatable relatively to said wheel, a gear member fixed to said hub, a gear member fixed to the wheel which is rotatably mounted on the hub, and a gear member mounted to rotate with said brake drum, said last gear member meshing with the other two gear members.

2,251,539
DUAL WHEELED VEHICLE
Charles S. Ash, Milford, Mich.
Application March 19, 1940, Serial No. 324,750
13 Claims. (Cl. 188—18)



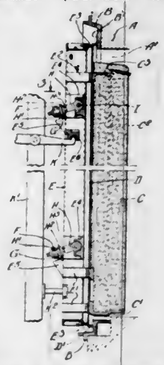
1. In a dual wheel assembly, a pair of wheels mounted in side by side relationship for independent rotation; a pair of annular brake members supported by said wheels concentrically therewith and in variable parallel spaced relation to each other; a pair of annular brake-shoe members mounted between said brake members concentrically therewith and in variable parallel spaced relation to each other, each providing an opening for the flow of cooling air about elements of the braking system; and, means actuable by fluid pressure for moving said brake-shoe members into braking engagement with said brake members; said means comprising pairs of flexibly connected rigid members, each said pair being disposed between said brake-shoe members in angularly balanced spaced relation to each other whereby cooling air may flow between said brake-shoe members and a balanced uniform braking action may be obtained.

2,251,540
CORONAPROOF CONDENSER PLATE
Werner Buschbeck and Wilhelm Kummerer, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 24, 1939, Serial No. 258,153
In Germany February 25, 1938
2 Claims. (Cl. 175—41)



1. A condenser element comprising a plate of insulation material having a high dielectric constant, a central aperture in said plate, a ring-like groove on each surface of said plate and surrounding said aperture, a narrow groove on each side of said ring-like groove, a metallic layer on each surface and in the zone of said ring-like grooves, the borders of said metallic layers arranged to extend to the surface of said plate and to cover the surface of said narrow grooves, and a protuberant border of insulation material covering the edges of said metallic layers to prevent corona effects on said element.

2,251,541
COKE OVEN DOOR LOCKING MEANS
Eberhard Grasshoff, Bochum, Germany, assignor, by mesne assignments, to Fuel Refining Corporation, a corporation of Delaware
Application February 15, 1939, Serial No. 256,462
In Germany March 31, 1938
8 Claims. (Cl. 202—248)



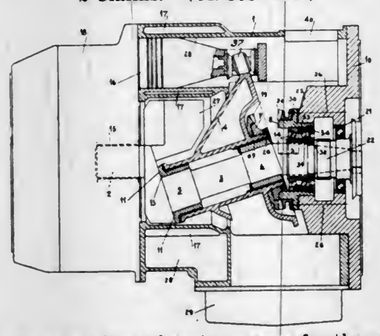
5. The combination with a metallic door frame surrounding a leveling bar opening in the end wall of a horizontal coking chamber, said frame having an outwardly facing sealing surface and having door retaining hooks at the opposite sides of said opening and displaced outwardly from said surface, of a door vertically movable between a lower position in which it closes said opening and an upper position in which it is above the path of movement of a leveling bar extending through said opening, said door being formed with a metallic sealing portion adapted for gas tight joint engagement with said surface, and a locking bar pivotally connected to said door at the outer side of the latter to turn relatively to the door about a horizontal axis between said locking bar and sealing portion and adapted to engage said hooks at a level slightly below that of said axis when said sealing means engage said surface, and to thereby limit the gravitational down movement of the door.

2,251,542
RAISIN STEMMER
Walter K. Hines and Thomas W. W. Forrest, Fresno, Calif., assignors to Sun-Maid Raisin Growers of California, Fresno, Calif., a co-operative association of California
Application July 11, 1939. Serial No. 283,822
8 Claims. (Cl. 146—55)



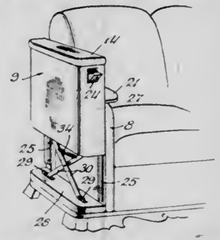
1. A raisin stemmer comprising a plurality of spaced, superposed rows of spaced, horizontally extending, substantially parallel rods with the rods of the rows extending generally in the same direction, means supporting alternate rows of rods for movement oppositely in the direction in which the rows extend, means for causing said movement, means for feeding bunches of raisins by gravity to the spaces between the rods of adjacent rows, whereby said bunches will be engaged between the rods of said adjacent rows during such movement for removing the raisins from the stems, the means supporting said alternate rows of rods, including elongated bars at opposite ends of the rods of said alternate rows and hangers at opposite ends of said bars pivotally connected to said bars for pivotally supporting said bars for generally oscillatory movement, said alternate rows of rods being pivoted on identical axes for maintaining constant spaced relation between said alternate rows of rods during movement thereof.

2,251,543
WABBLER ENGINE
Wichert Hulsebos, Laren, Netherlands, assignor to Naamlooze Vennootschap: Hulsemo, Utrecht, Netherlands, a corporation of the Netherlands
Application October 30, 1937, Serial No. 171,993
In the Netherlands November 13, 1936
2 Claims. (Cl. 308—135)



1. In axial thrust bearing means for the crankshaft of a wobbler engine of the type having an inclined crank disposed wholly upon one side of the main axis of the crankshaft, and a wobbler element mounted on said crank, the feature comprising a stationary bearing member in said engine surrounding a straight portion of the crankshaft and a corresponding rotatable bearing member fixed upon said straight portion adjacent to and immediately before the beginning of the inclination of the inclined crank, and together with the stationary bearing member forming an axial thrust bearing, a second stationary bearing member in said engine disposed as closely adjacent with axial direction to the first stationary bearing member of said axial thrust bearing as mechanically practicable comprising a generally annular pressure portion having an axis coinciding with the main axis of rotation of the crankshaft, and a corresponding movable bearing member adapted to be located upon said wobbler element and comprising a second generally annular pressure surface portion having an inclined axis which coincides with that of the inclined crank and making rolling contact against said first or stationary pressure surface portion so as to prevent backlash between said pressure surface portions and support and prevent displacement of the crankshaft in axial direction and thereby prevent undue wear of the various bearings and wobbler of the engine involved.

2,251,544
FURNITURE
Leo Jiranek, Scarsdale, N. Y.
Application February 16, 1939, Serial No. 256,656
3 Claims. (Cl. 155—123)

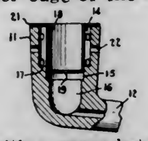


1. An article of furniture which comprises a base member, a side member fixedly mounted on said base member, said side member having a horizontal upper margin and a substantially vertical outer face, vertical guides on said side member, a cabinet having an opening on the inner side thereof adjacent said outer face which cabinet is arranged for vertical movement along said guides between a lowered position in which said opening is closed by said side member and an elevated position in which said opening is exposed above said side member, said cabinet having an upper wall and a relatively flat member hinged to said cabinet which flat member in the lowered position of the cabinet is vertically arranged and which in the elevated position assumes a horizontal position above the upper margin of said side member and supported therefrom.

2,251,545
TOBACCO PIPE
William Munzer, Brooklyn, N. Y.
Application October 14, 1939, Serial No. 299,417
2 Claims. (Cl. 131—195)

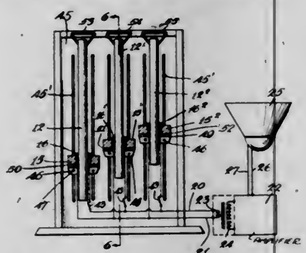
1. A tobacco pipe comprising a bowl, a hollow stem and a mouth piece connected thereto, the bowl having an internal portion of reduced diameter, a tobacco holding insert within the bowl and having an air tight fit with the portion

of reduced diameter, the insert having imperforate sides but being open at its top and bottom, a laterally extending flange on the insert overlying the upper edge of the bowl, the insert



being supported with a space between the flange and the top of the bowl and between the sides of the insert and the bowl, and ventilating apertures in that part of the bowl alongside said insert.

2,251,546
SOUND AMPLIFICATION METHOD AND DEVICE
Herbert K. Neuber, Philadelphia, Pa.
Application June 16, 1938, Serial No. 214,166
23 Claims. (Cl. 177—7)



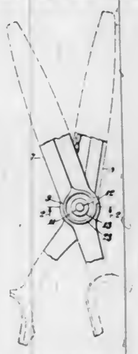
10. In a musical system, a nonmagnetic, hollow, cylindrical, electrically conducting musical vibrator vibrating transversely of the length, a magnet adjacent the vibrator, and a pick-up coil close to the vibrator and between the vibrator and the magnet.

2,251,547
ART OF PREPARING DERIVATIVES OF ANACARDIC ACID
Emil E. Novotny, Oak Lane, and George Karl Vogelsang, Frankford, Pa., assignors to Durite Plastics, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application June 19, 1937, Serial No. 149,098
19 Claims. (Cl. 260—473)

5. As a composition of matter, a mono ester of glycol with anacardic acid.

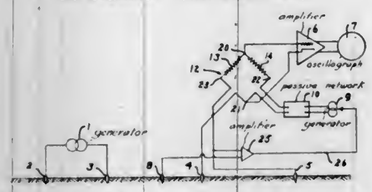
2,251,548
SHEARS
Charles J. Dalley, Maplewood, N. J.
Application December 5, 1939, Serial No. 307,591
4 Claims. (Cl. 30—268)

1. Shears comprising cooperating blades having opposed hub portions, an annular bearing element interposed between said hub portions, said hub portions journalling on said annular element, annular abutment washers of anti-friction material about said annular bearing element and forming a limiting anti-friction abutment between the hub portions of the blades, a nut member having a rotatable bearing in the hub portion of one blade and having a non-rotatable engagement in the hub portion of the opposing blade, a screw extending through said opposing blade into adjustable engagement with said nut, said screw having a head at the outer end of the same and a generally cylindrical concavely contoured shoulder in back of said head and a lock wire having one end anchored to said



hub portion and its opposite end formed as a spring loop surrounding and yieldingly gripping said concavely faced shouldered portion of said screw.

2,251,549
MIXING CIRCUIT FOR ELECTRICAL PROSPECTING
Paul W. Klipsch, Houston, Tex., assignor to E. E. Rosaire, Houston, Tex.
Application August 25, 1938, Serial No. 226,669
12 Claims. (Cl. 175—182)

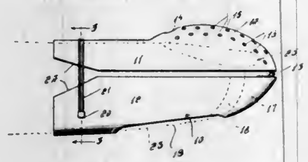


1. The method of prospecting with varying electrical current which comprises causing current to flow in the earth's crust, detecting the potential in a region subject to such current, mixing in a linear passive network the detected potential, before amplification thereof, with a synthetic potential, indicating the wave form of the mixed potentials, and maintaining the synthetic potential in synchronism with the generated potential by controlling the generation thereof with the amplified detected potential.

2,251,550
ART OF PRODUCING WAX MODIFYING AGENTS
Eugene Lieber, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 7, 1937, Serial No. 178,530
6 Claims. (Cl. 252—55)

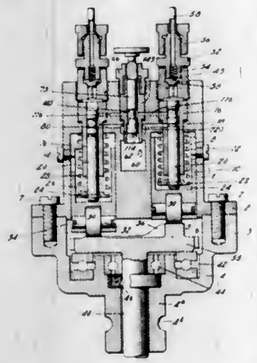
1. An improved composition of matter comprising a waxy lubricating oil and a small amount of a pour depressing compound, prepared by subjecting a mono basic fatty acid chloride having a chain of at least 10 carbon atoms to the action of heat at a temperature of about 575° F., whereby hydrogen halide is evolved and the organic residue is polymerized, and continuing the heating at said temperature until substantially all of the halide has been removed.

2,251,551
NAIL POLISH PROTECTOR
Myles B. O'Reilly, Union, N. J.
Application May 2, 1940, Serial No. 333,044
3 Claims. (Cl. 2—21)



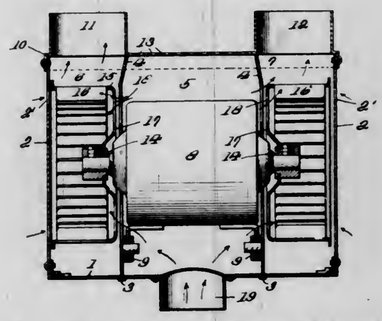
1. An article of the class described comprising a finger stall formed of sections, one of said sections having an enlarged outwardly bowed portion disposed over and out of contact with the finger nail, said sections being arcuately shaped in cross section and being hingedly connected at their forward ends, and yieldable means detachably connected to the rear, free end of one of the sections for engaging around the free end of the other section to yieldably retain the protector in position on the end of the finger.

2,251,552
FUEL INJECTION PUMP
Everett M. Purdy, New Canaan, Conn., assignor to Eisemann Magneto Corporation, New York, N. Y., a corporation of New York
Original application November 7, 1935, Serial No. 48,744. Divided and this application January 18, 1938, Serial No. 185,587
12 Claims. (Cl. 103—41)



1. In a fuel injection pump, a casing having a plurality of pump plunger bores, a valve bore, a common discharge port and ports and passages connecting said bores, for supplying fuel to the pump plunger bores and for connecting said plunger bores to said common discharge port, pump plungers in said plunger bores, means for operating said plungers to force fuel to individual engine cylinders and a valve in said valve bore controlling said common discharge port for venting fuel from in front of all plungers during the pumping strokes thereof, said plungers having intermediate portions closing the fuel supply ports during the pumping strokes of said plungers and end portions closing the ports to said discharge valve in the retracted positions of said plungers and said plunger operating means positioning each plunger in retracted position after an operation thereof prior to the operation of the succeeding plunger.

2,251,553
BLOWER
Albert G. Redmond, Flint, Mich.
Application April 13, 1938, Serial No. 201,813
4 Claims. (Cl. 230—129)



1. A blower comprising a casing formed of sheet metal having spaced internal annular seats, division plates arranged in said seats forming a central motor chamber and a fan wheel chamber to each side thereof in communication with one another, said fan wheel chamber being in communication with the atmosphere, said motor chamber being in communication with the source of hot air, said fan wheel chamber having outlets, an electric motor disposed in said motor chamber and resiliently supported at each end by the division plates and having a shaft at each end extending to the adjacent fan wheel chamber and a fan wheel disposed in each fan wheel chamber and secured on each end of said motor shaft for drawing air through said motor chamber and forcing air out through said outlets.

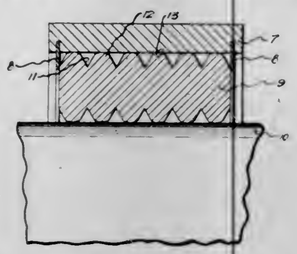
2,251,554
CONVERSION OF CARBON MONOXIDE WITH HYDROGEN INTO HYDROCARBONS
Franz Sabel, Hans Laudenklos, Wilhelm Wenzel, and Fritz Keilig, Leuna, Germany, assignors to Standard Catalytic Company, a corporation of Delaware
No Drawing. Application April 29, 1939, Serial No. 270,920. In Germany May 7, 1938
5 Claims. (Cl. 260—449)

1. In the production of hydrocarbons containing more than one carbon atom in the molecule by conversion of carbon monoxide with hydrogen in the presence of a catalyst promoting said conversion the step of reacting a gas mixture containing at the most about two parts of hydrogen to one part of carbon monoxide (synthesis proper) and alternately, at intervals, a gas mixture richer in hydrogen containing at least 2.5 parts of hydrogen to one part of carbon monoxide, thereby reactivating the catalyst.

2,251,555
FRICTIONLESS ROLLER BEARING
Nathan H. Schermer, Detroit, Mich.
Application May 25, 1939, Serial No. 275,645
2 Claims. (Cl. 308—215)

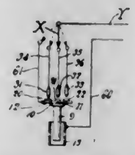
1. A structure of the class described embodying a roller bearing of the class described, comprising: an elongated substantially cylindrical body having a plurality of axially spaced circumferentially extending V-shaped grooves formed therein, the periphery of said body between said grooves being of a contour curving circumferentially and axially of said body, said

body, at its opposite ends, terminating at the base of a groove; and a retaining ring engag-



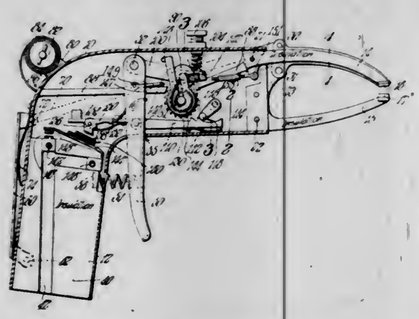
ing, adjacent the inner edge of one of its faces, an end face of said rollers adjacent the perimeter thereof.

2,251,556
THERMOSTATIC HEATING PLUG
Richard A. Siegler, Oak Park, Ill.
Application July 9, 1938, Serial No. 218,371
2 Claims. (Cl. 219—40)



1. In a fluid heating plug, a direct conductor, a plurality of electrodes positioned adjacent each other, said electrodes adapted to be positioned in the fluid to be heated, whereby current passes from one to the other through said fluid, and means for adjusting the temperature at which said plug operates, said means comprising a plurality of thermostats positioned sufficiently close to said electrodes to be heated thereby, electric conductors connected to said electrodes, and selectively to said thermostats, and a switch means for bringing said direct conductor or one or another of said thermostats into circuit whereby the temperature at which the device is maintained is varied in accordance with a predetermined setting of one or another of said thermostats.

2,251,557
SOLDERING TOOL
Leonard A. Weston, Westfield, Mass.
Application March 9, 1940, Serial No. 323,129
7 Claims. (Cl. 219—27)



1. A soldering tool comprising in combination, a frame adapted to be grasped by the hand, jaws on said frame having electrical contacts for embracing objects to be joined together, supports for a supply of brazing material disposed upon said frame, means for conducting current to said jaws, means for guiding the brazing material so that its end lies adjacent said jaws at the contacts thereof, a trigger pivoted in said frame, feeding means engaging the brazing material adapted alternately to feed the same forwardly and to retract the same rearwardly, and connections between said trigger and said feeding means whereby said feeding means is actuated by said trigger.

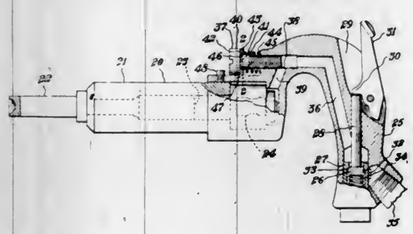
2,251,558
DYESTUFFS OF THE DIBENZANTHRONE SERIES AND PROCESS OF MAKING THEM
Myron S. Whelen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 29, 1939, Serial No. 306,697
8 Claims. (Cl. 260—354)

1. A compound of the class consisting of dialkylamino-dibenzanthrones and dialkylolamino-dibenzanthrones.

2,251,559
INTERMEDIATES OF THE DIBENZANTHRONE SERIES AND PROCESS OF MAKING THEM
Myron S. Whelen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application November 29, 1939, Serial No. 306,697. Divided and this application November 5, 1940, Serial No. 364,357
5 Claims. (Cl. 260—363)

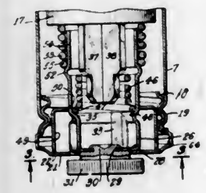
1. A dialkylamino-dibenzanthronyl.

2,251,560
LOCKING DEVICE
Cecil White, Sayre, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application July 22, 1939, Serial No. 286,044
1 Claim. (Cl. 151—32)



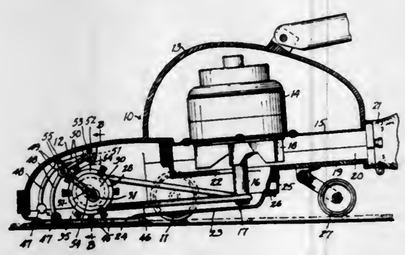
A locking device, comprising a casing, a member threaded into the casing and having a portion lying exteriorly of the casing, a plate slidable on the member exteriorly of the casing and having a surface to conform with and slide upon the outer surface of the casing and to cooperate therewith for preventing rotary movement of the plate with respect to the casing, radial teeth on the opposed surfaces of the member and the plate interlockingly engaging each other to prevent rotary movement of the member, and a spring to press the plate into locking engagement with the member.

2,251,561
CIRCUIT CLOSER FOR FLASHLIGHTS
Orville T. Wood, Clinton, Mass., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application July 27, 1939, Serial No. 286,762
8 Claims. (Cl. 200—60)



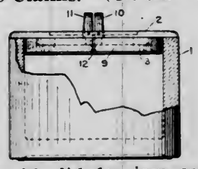
1. A circuit closer for flashlights in which one battery terminal is electrically connected with one lamp terminal, the combination with an apertured casing portion, of a tubular plunger formed with a peripheral groove and at least one longitudinal groove, said casing portion being formed with a lug for reception in the longitudinal groove, a non-conductive plunger within the tubular plunger, a coil spring engaging the non-conductive plunger to urge the same against the other battery terminal and a coil spring carried by the tubular plunger and adapted when the tubular plunger is in circuit closing position to contact and make electrical connection with the battery terminal.

2,251,562
SUCTION CLEANER
Vincent S. Belpedio, Bridgeport, Conn.
Application April 25, 1940, Serial No. 331,495
2 Claims. (Cl. 15—6)



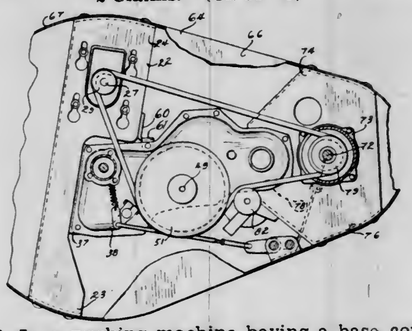
1. In a suction cleaner having a casing provided with a nozzle mouth arranged to pass over the carpet surface or the like to be cleaned, a rotary brush mounted in said nozzle mouth, a beater element comprising an arm pivotally mounted at its upper end in said casing extending downwardly in spaced relation about the periphery of said rotary brush at one side and having a carpet engaging surface at its lower end adapted to move in an arc about the pivotal mounting of said beater element, said arc being tangential to a plane inclined at an acute angle to the plane of the surface to be cleaned, and a driving link pivotally connected to said arm intermediate its upper and lower ends and pivotally connected eccentrically to said rotary brush adapted to oscillate said beater element as said brush is rotated.

2,251,563
CLOSURE FOR COSMETIC JARS AND THE LIKE
Hans P. Bender, New York, N. Y., assignor of two-fifths to Rudolph Pavlovic, Woodside, Long Island, N. Y.
Application October 6, 1938, Serial No. 233,525
6 Claims. (Cl. 215—46)



1. A removable lid for jars comprising a top plate having a slot therein, and of greater diameter than the inside of the jar, a spaced bottom plate of less diameter than the inside of the jar, means securing said plates together in spaced relationship, an intermediate spring ring like member loosely held between said plates and adapted in its normal expanded position to frictionally engage a wall of said jar, and thumb pieces on said spring member projecting through said slot whereby said spring member may be contracted and released and the top lifted in one operation.

2,251,564
LAUNDRY DEVICE
Fred A. Conterman, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Inc., Jamestown, N. Y., a corporation of New York
Application November 14, 1939, Serial No. 304,336
2 Claims. (Cl. 68—3)

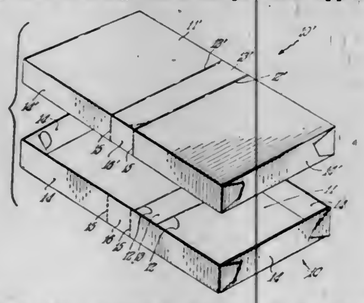


2. In a washing machine having a base comprising a top having continuous vertically disposed sides and ends of substantially ovate contour, a bridge member beneath said top adapted to connect the sides of said base, a gear housing, means disposed centrally of said member for suspending and securing one end of said housing, a support conforming to an extensive area of one of the ends of said base to which it is attached, the other end of said housing being joined to said support, said bridge member, housing, and support being mountable as a unit in said machine and serving to brace said base.

2,251,565
RECEPTACLE
George J. Forman, Unionville, Conn.
Application August 21, 1939, Serial No. 291,227
1 Claim. (Cl. 229—44)

A receptacle of the class described consisting of a unitary sheet of foldable material folded so as to normally have a horizontal bottom wall

and vertical side and end walls hinged thereto, said bottom wall being provided with a pair of spaced and substantially parallel bending lines which extend transversely thereof intermediate its opposite ends, one of said bending lines being nearer to the end wall adjacent thereto than is the other bending line to the end wall adjacent thereto, each of said side walls being provided with a pair of spaced perforated tearing lines which extend vertically upwardly throughout the height of each side wall and having their lower ends in substantial coincidence with said bending lines whereby said side walls may be torn along the tearing lines to provide oppositely-



disposed flap portions which are foldable inwardly towards one another along the hinges between said side walls and bottom wall so that said bottom wall may be folded on both of the bending lines and the portions thereof at the outer sides of the bending lines may be brought into spaced parallelism with one another at a distance equal to the distance between the bending lines and the portions of said side walls at the outside of the tearing lines which coincide with said other bending line may be brought into adjacency with the outsides of the portions of said side walls at the outside of the tearing lines which coincide with said one bending line with the end walls in overlapping relation.

2,251,566

DYESTUFF OF THE ANTHRAQUINONE SERIES

Donald P. Graham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 24, 1941, Serial No. 375,803

1 Claim. (Cl. 260—274)

The dyestuff, which is substantially identical to that obtained by condensing one mole of an alpha-chloro-Bz-1-bromo-benzanthrone with an alpha-aminoanthraquinone, further condensing one mole of this product with one mole of a Bz-1-aminobenzanthrone, and fusing the di-condensation product with caustic alkali, and which dyes cotton from the usual alkaline hydrosulfite vat in green-olive shades of excellent fastness properties.

2,251,567

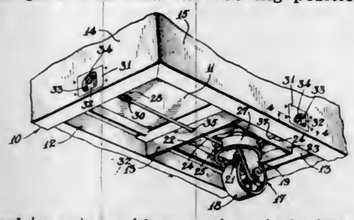
WHEELED VEHICLE AND STEERING CASTER THEREFOR

Harold P. Gould, Riverside, and Hurley D. Ralston, Oak Park, Ill., assignors, by direct and mesne assignments, to said Hurley D. Ralston

Application October 3, 1938, Serial No. 232,994

3 Claims. (Cl. 16—35)

2. A vehicle caster of the character described comprising, in combination, a swivel member having an annular collar thereon, a circumferential groove in said collar having a radial recess at one point therein, a locking element having locking and non-locking positions adapted to ride in said groove in said non-locking position and



adapted to enter said recess in said locking position to hold the caster against swiveling, and means spaced from said collar to provide an additional support for said locking element.

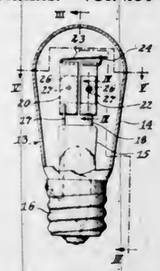
2,251,568

GASEOUS RELAY TUBE

Daniel S. Gustin and Robert Fred Hays, Jr., Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 25, 1939, Serial No. 258,382

6 Claims. (Cl. 250—27.5)



4. A gaseous electric relay device for completing an electric circuit comprising an envelope, a gaseous medium therein including approximately 99.5% neon and 0.5% argon at a pressure of approximately 40 mm., a pair of electrodes adapted to be included in said circuit, one of which is a bimetallic electrode, an electron emissive material contacting the surface of said bimetallic electrode and adapted to emit a copious flow of electrons, said electrodes being operable to initiate a glow discharge therebetween upon ionization of the gaseous medium therein when a suitable potential is applied to said electrodes, and a crater in the surface of said electron emissive material for concentrating the discharge therein to cause rapid heating of the juxtapositioned bimetallic electrode with attendant deflection thereof into contact with the other of said electrodes to complete said electric circuit and to short-circuit said electrodes and extinguish the discharge.

2,251,569

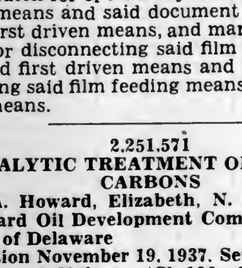
HIGH EFFICIENCY RESONANT CIRCUIT

William W. Hansen, Stanford University, Calif., assignor to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a corporation of California

Original application July 27, 1936, Serial No. 92,787, now Patent No. 2,190,712, dated February 20, 1940. Divided and this application January 4, 1939, Serial No. 249,194

6 Claims. (Cl. 250—27)

1. Means for producing high electron velocities, comprising a substantially closed conducting member providing a chamber therein, means for setting up a confined high-frequency standing electromagnetic field within said chamber resonant at the natural frequency of said member, means for introducing elecrtons into caid chamber in such position that said field will accelerate said electrons during their passage through said



member, and means for reversing the direction of travel of said electrons for passage in the reverse direction through said chamber while retaining said electrons in proper phasal relation with said standing field such that the electrons will continue to absorb energy therefrom, said electrons leaving said chamber when a desired high velocity has been attained.

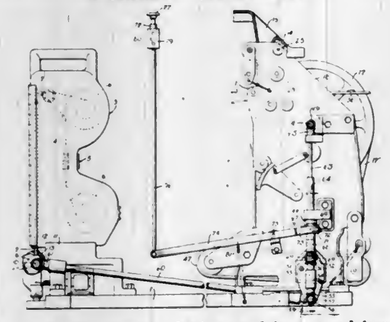
2,251,570

DOCUMENT PHOTOGRAPHING MACHINE

Raymond M. Hessert, Audubon, N. J.

Application August 10, 1939, Serial No. 289,355

2 Claims. (Cl. 88—24)



1. In a document photographing machine, the combination of a camera, film feeding means in said camera, document feeding means for feeding documents through the focal plane of said camera, drive means, a first driven means operated by said drive means, a second driven means operated by said drive means to move at a greater speed than said first driven means, normal operating means including a document controlled clutch for operatively connecting said film feeding means and said document feeding means to said first driven means, and manually operable means for disconnecting said film feeding means from said first driven means and for operatively connecting said film feeding means to said second driven means.

2,251,571

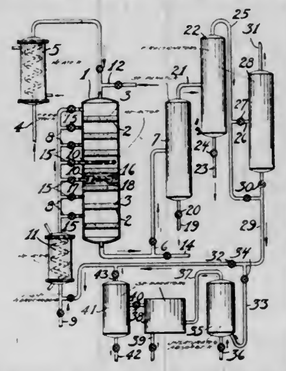
CATALYTIC TREATMENT OF HYDROCARBONS

Frank A. Howard, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 19, 1937, Serial No. 175,359

8 Claims. (Cl. 196—10)

7. A process for cracking normally liquid hydrocarbons which comprises preheating said hydrocarbons substantially to the desired cracking temperature, feeding the preheated hydrocarbons to a granular mass of cracking catalyst sufficient in amount to provide a proper time of contact with the hydrocarbons and to effect the desired extent of conversion, preheating to a temperature above the desired cracking temperature a mixture of light hydrocarbons consisting essentially of C_3 to C_5 hydrocarbons and having a higher thermal stability than the normally liquid



hydrocarbons, introducing the preheated light hydrocarbons into the catalyst mass at spaced points along the path of travel of the normally liquid hydrocarbons therethrough to supply heat lost during the conversion as the normally liquid hydrocarbons pass therethrough and to maintain the desired extent of conversion without supplying heat by indirect heat exchange, removing the reaction products from the catalyst mass and recovering therefrom a hydrocarbon mixture boiling within the gasoline range.

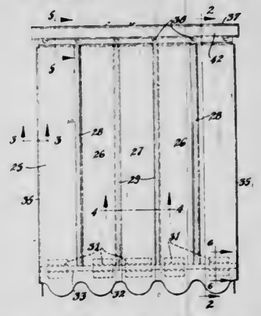
2,251,572

AWNING

Robert B. Kuhn, Canton, Ohio, and Miller S. Tyson, Springfield, Mass.

Application September 22, 1938, Serial No. 231,216

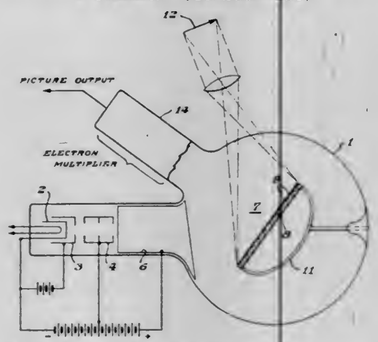
2 Claims. (Cl. 156—15)



1. An awning structure including an anchoring strip attachable to a building, a rigid body panel formed at its upper edge for coupling with said strip, a rigid, triangular wing panel hingedly connected to a side edge of the body panel, a rod connected to the front panel and having a downwardly hooked rear end, an upwardly disposed sheet metal spring clip upon the wing panel adapted to receive said rod, a bracket attachable to the building and having an upwardly open trough for receiving said rod with the down-

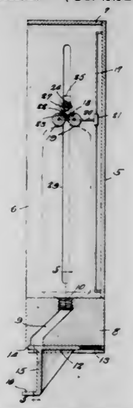
wardly hooked end of the rod engaged behind the trough, and a horizontal flange fixed upon the wing panel and engaging under said bracket.

2,251,573
ELECTRONIC TUBE
George A. Morton, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 15, 1937, Serial No. 142,748
9 Claims. (Cl. 250—150)



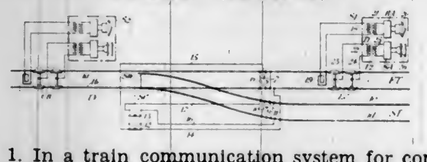
8. A cathode ray picture transmitting tube comprising an evacuated envelope having therein an electron gun for producing an electron beam, a photo-electric screen positioned to be scanned by said electron beam, said screen comprising a sheet of insulating material having on the front side thereof facing said gun a mosaic of photo-electric elements and having on the back side thereof a back-plate, said elements being insulated from each other and said insulating sheet being at least 10 mils thick, and an electron multiplier so located in said envelope as to receive the secondary electrons which are released from said mosaic when scanned by said beam, the beam current having substantially the minimum value for causing said elements to reach equilibrium potential.

2,251,574
TUBE PASTE DISPENSER
John D. O'Neill, Missoula, Mont.
Application January 25, 1940, Serial No. 315,586
2 Claims. (Cl. 221—60)



2. A paste tube support comprising a body portion, vertical guide rods secured to the rear wall of the body portion and disposed in parallel spaced relation with respect to each other, said rods being also spaced from the rear wall of the body portion, a carriage including end members, supporting rods forming a part of the end members, tubular bearings on the inner ends of the supporting rods and adapted to receive the first mentioned rods, slidably mounting the carriage on the vertical rods, horizontal rods connecting the end members, rollers on the last mentioned rods, said rollers operating in parallel relation with respect to each other, said end members of the carriage having curved upper surfaces, a key resting in the curved upper surfaces of the end members, said key having a slot in which one end of a paste tube is held, and said key adapted to wind the paste tube on the key, forcing material from the tube, and pressure rollers mounted on the last mentioned horizontal bars for directing a pressure to the tube in advance of the key.

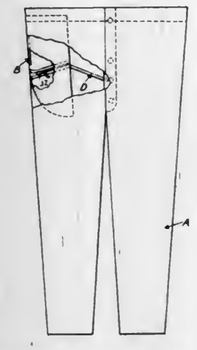
2,251,575
APPARATUS FOR RAILWAY TRAIN COMMUNICATION SYSTEMS
George R. Pflasterer, Greenville, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 18, 1940, Serial No. 314,471
3 Claims. (Cl. 246—8)



1. In a train communication system for communication between a station located on a vehicle of a train and a remote station by transmission of communication current between the two stations over a transmitting circuit including the track rails, the combination comprising, a turnout to at times route a train from a main track to a second track and at least the main track of which tracks is provided with a track circuit including the turnout, a switch circuit controller operatively connected with the track switch of said turnout for operation to a first or a second position according as said track switch is set for the main track or for said second track, a first pair of insulated rail joints placed in said main track with one joint in each rail back of the frog of said turnout to block the flow of said communication current, a second pair of insulated rail joints placed in said second track with one joint in each rail back of the frog of said turnout to block the flow of said communication current, a first and a second resistor connected in series across the rails to one side of said first pair of insulated rail joints, a third and a fourth resistor connected in series across the rails at the other side of said first pair of insulated rail joints, and a first position contact of said switch circuit controller to connect the mid terminal of said first and second resistors with the mid terminal of said third and fourth resistors to by-pass said communication current around said first pair of insulated rail joints when the track switch is set for the main track.

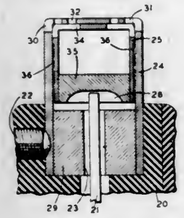
2,251,576
AUXILIARY SAFETY POCKET
Peter Puodis, Philadelphia, Pa.
Application January 26, 1940, Serial No. 315,645
1 Claim. (Cl. 2—253)

In trousers having pockets therein, the combination of a pocket suitably seamed to said garment whereby it has an opening or entrance for the admission of a hand, a secondary pocket or compartment seamed within the primary pocket, said secondary pocket having a "zipper" which opens from the direction of the mouth towards the crotch of the garment, a strip connecting the side edge of the main pocket to the crotch por-



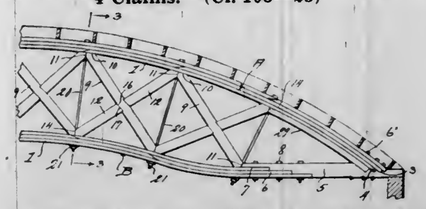
tion of the apparel, and the edge of one end of said strip connected immediately adjacent the main pocket and immediately adjacent the secondary pocket and the other end of the strip being connected adjacent the end of the "zipper" so that any attempt to pull the pocket from the garment in order to turn the pocket inside out will react to warn the wearer of the garment.

2,251,577
ELECTRIC RAZOR
James H. Rand, Jr., Stamford, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application July 22, 1938, Serial No. 220,628
6 Claims. (Cl. 30—43)



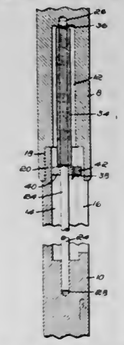
1. In a head for dry shavers, the combination of an outer shearing member having a longitudinal front portion and a longitudinal side wall portion adjacent thereto, an inner cutter mounted for longitudinal movement within said outer shearing member and having an outer surface shaped to engage the inner surface of both the front and side wall portions of said outer shearing member, cutting elements on said outer shearing member formed by transverse slots having enlarged ends disposed in said front portion and narrow neck portions extending from said enlarged ends into said side wall portion, and cutting elements on said inner cutter formed by V-shaped transverse slots having the narrower end portion thereof disposed beneath the enlarged ends of the slots in said outer shearing member and the wider end portion thereof disposed beneath the neck portions of the slots in said outer shearing member.

2,251,578
ROOF TRUSS
August Rietzke, Gordons Corners, N. J., assignor to August Rietzke, Inc., Gordons Corners, N. J., a corporation of New Jersey
Application February 28, 1941, Serial No. 381,148
4 Claims. (Cl. 108—23)



1. A truss beam comprising an upper chord and a lower chord, up-slope struts interposed between the chords at opposite sides of the high point of the beam and down-slope struts between the chords at opposite sides of the high point of the beam, said up-slope struts having their ends provided with angularly related faces, certain of said faces having contact with the opposed surfaces of the chords, the down-slope struts also having extremities provided with angularly related faces, certain of said faces contacting with the opposed surfaces of the chords and the remaining faces of said last named struts abutting adjacent faces of the up-slope struts, the abutting faces of the up-slope struts and the down-slope struts having registering grooves to provide openings, tie bolts extending through the upper and lower chords of the beam and through the openings provided by the struts to hold the chords and struts in place, and holding members threading on the bolts and co-acting with one of the chords, said holding members also providing means for tightening the beam.

2,251,579
SCROLL AND CASE
Frank D. Rugg, Greenfield, Mass.
Application September 26, 1938, Serial No. 231,777
1 Claim. (Cl. 242—107)



In combination, a case comprising a cap and a body each presenting an axial chamber communicating with the other, said body presenting a longitudinal slot communicating with the chamber in said body, a shaft housed partly in each of said chambers and rotatably supported by said cap and by said body, a spring helically coiled about said shaft and housed partly in each of said chambers, one end of said spring being secured to said shaft, a member to which the other end of said spring is secured, said member being housed within the chamber in said

body and interlocked with the latter to prevent relative turning when so interlocked, and a scroll of flexible sheet material extending through said slot and wound about and secured to said shaft.

2,251,580

CONVERSION OF OLEFINIC HYDROCARBONS

Robert F. Ruthruff, Chicago, Ill., assignor to Chempats Incorporated, a corporation of Delaware

No Drawing. Application December 4, 1939, Serial No. 307,446

12 Claims. (Cl. 196—10)

1. The process of converting olefinic hydrocarbons to hydrocarbons of higher boiling points by the polymerization thereof comprising contacting said olefinic hydrocarbons at elevated temperatures with a catalyst comprising as an active ingredient an adsorption complex of phosphoric acid on hydrous stannic oxide.

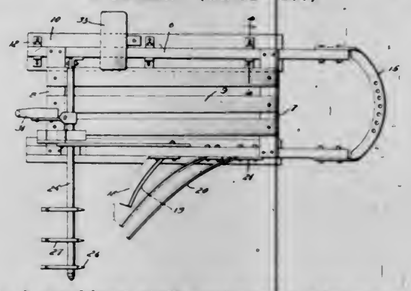
2,251,581

COMBINED STALK CUTTER AND RAKE

Cleburne G. Soefje, Seguin, and Walter B. Soefje, Belmont, Tex.

Application October 18, 1940, Serial No. 361,786

3 Claims. (Cl. 56—100)



1. A combined stalk cutter and rake comprising a sled having runners at the lower edges thereof, means for vertically adjusting one of the runners to raise or lower one side of the sled, a cutter projecting outwardly from the opposite side of the sled and a rake projecting outwardly from said last named side of the sled in a position rearwardly of said cutter, said cutter being rigidly mounted on said opposite side of the sled for tilting to level the same relative to the ground under raising and lowering of said one side of the sled.

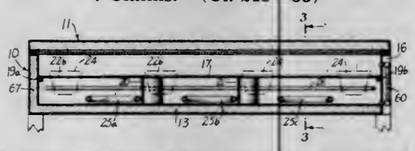
2,251,582

OVEN CONSTRUCTION

Roland W. White, Cleveland Heights, Ohio, assignor to The Colonnade Company, Cleveland, Ohio, a corporation of Ohio

Application March 14, 1940, Serial No. 323,899

7 Claims. (Cl. 219—35)



1. In apparatus of the character described, in combination, an oven comprising a body portion and a lid, a plurality of containers for articles of food, means to support said containers in said body portion, said body portion being adapted to contain a liquid, means for heating said liquid, said liquid being in contact with said containers, and a plurality of independently energizable heat radiating elements positioned in said lid and adapted to radiate heat on the upper portions of the food in said containers.

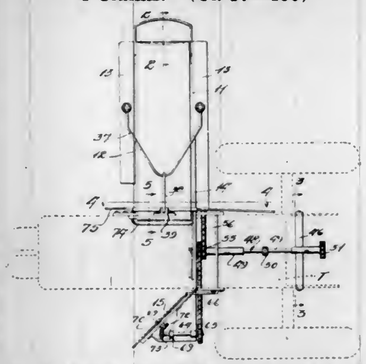
2,251,583

MANURE LOADER

William J. White, Ocheyedan Township, Osceola County, Iowa, assignor of one-fourth to Louis L. Corcoran, Sibley, Iowa

Application April 22, 1940, Serial No. 331,049

4 Claims. (Cl. 37—190)



1. In a device of the kind described, a pitching wheel revoluble on an axis alined in the direction of movement of the device, a supporting plate for said pitching wheel extending at right angles to the axis thereof, an extension from one end of the supporting plate inclined forwardly and outwardly with respect to the plate, a chopping wheel revoluble on an axis perpendicular to the plate extension, a conveyor extending outwardly from the other end of said plate and receiving material from said pitching wheel, and means to drive said conveyor and wheels.

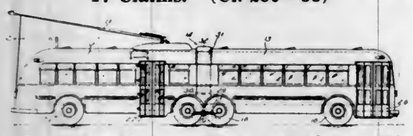
2,251,584

PASSENGER VEHICLE

Frank R. Fageol and William B. Fageol, Kent, Ohio, assignors to Twin Coach Company, Kent, Ohio, a corporation of Delaware

Application May 25, 1938, Serial No. 210,030

17 Claims. (Cl. 280—33)



1. In a trackless roadway vehicle, a pair of chassis sections interconnected by a transverse pivotal joint, open ended body sections rigid with said chassis sections, means distinct from said pivotal joint for pivotally interconnecting said body sections and an elastic wall bridging adjacent edges of said body sections.

2,251,585

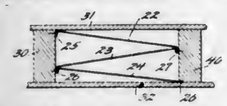
WALL CONSTRUCTION

Joseph L. Finck, Brooklyn, N. Y.

Application March 19, 1938, Serial No. 196,981

3 Claims. (Cl. 154—45)

1. As a new product, a roll of three-ply building paper, from which longitudinal portions may be severed for installation in the air spaces between the studs of a frame wall to partition this space into several air spaces disposed in series from one face of the wall to the other face, the width of the roll being greater than the customary distance between studs and the several plies being of substantially the same width, the three-ply web having a crease parallel and adjacent to each edge forming an attachment strip in the marginal portion of each ply for attachment to



the studs, each of the outer plies having one free attachment strip for attachment to opposing studs, the intermediate ply having one of its attachment strips united with the adjacent attachment strip of one outer ply and having its other attachment strip united with the adjacent attachment strip of the other outer ply, the plies being otherwise free of each other, all attachment strips being bendable in the same direction on the longitudinal creases.

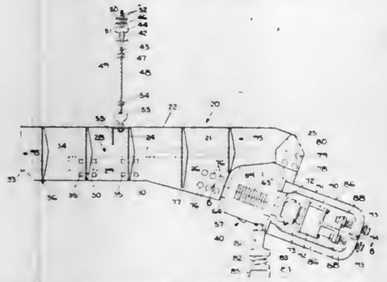
2,251,586

VIBRATORY FEEDER AND SCREEN

James A. Flint, Bexley, Ohio, assignor to The Traylor Vibrator Company, a corporation of Colorado

Application April 8, 1936, Serial No. 73,318

3 Claims. (Cl. 209—393)



1. In a vibratory conveyor, the combination with a deck, of a vibratory electric motor for supporting and vibrating said deck to impart a conveying action to any material carried thereby, said motor comprising a main frame carrying a plurality of leaf springs anchored thereto at their ends and lying in planes which make acute angles with the plane of said deck, an armature shaft anchored to the center of the leaf springs, brackets attaching said armature shaft to said deck both forwardly and rearwardly of said leaf springs, and means for vibrating said armature shaft.

2,251,587

WEED EXTERMINATING TOOL

William F. Gagner, Eugene, Oreg.

Application July 17, 1939, Serial No. 284,969

1 Claim. (Cl. 30—303)

A weed exterminator comprising a handled shank having a lower end terminating in a ground penetrating point, a plurality of identical flat substantially triangular shaped cutting blades having their base portions fixed to the shank for disposal of the blades radially in equidistantly spaced relation to each other from the shank and along the axis thereof, said blades having beveled outer edges extending from the juncture of the blades with the shank and about



the apex portions thereof, and said blades being disposed adjacent to the lower end of the shank.

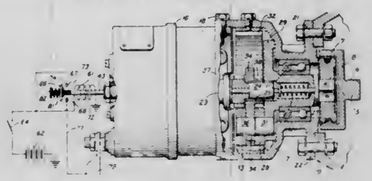
2,251,588

ENGINE STARTING MECHANISM

Samuel Gilbert, Verona, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application January 27, 1940, Serial No. 316,021

7 Claims. (Cl. 192—54)



1. In an engine starting apparatus, the combination with engine-engaging friction shoes, of means including a rod extending into the apparatus for moving said friction shoes to engine-engaging position, means for driving said friction shoes, said driving means being operative, upon movement of said friction shoes to engine-engaging position, to increase the frictional, torque transmitting pressure exerted by said friction shoes, and means for producing movement of said driving means only when the shift of said friction shoes to engine engaging position has been completed.

2,251,589

BOILER

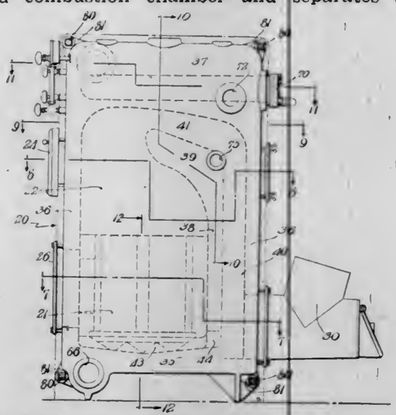
Edwin L. Hannum, Westfield, Mass., Lauren E. Seeley, New Haven, Conn., and Edgar C. Desjardins, Westfield, Mass., assignors to The H. B. Smith Company, Incorporated, Westfield, Mass., a corporation of Massachusetts

Application November 27, 1939, Serial No. 306,280

9 Claims. (Cl. 122—228)

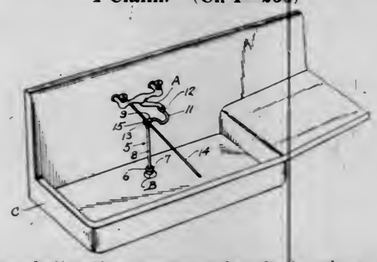
1. A boiler having a fire pot, a combustion chamber, a stack, a down draft flue, a horizontal flue, said down draft flue leading to said stack and said horizontal flue leading from said combustion chamber to said down draft flue whereby said flues connect said combustion chamber with said stack and a plurality of connected water spaces, said spaces including a water leg between said fire pot and said down draft flue, and a

water backed crown sheet which projects into said combustion chamber and separates said



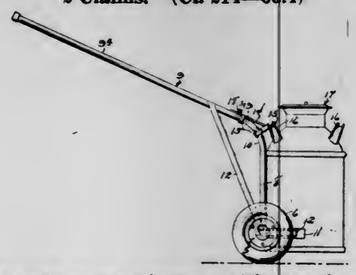
chamber from said down draft and horizontal flues.

2,251,590
OBSTRUCTION REMOVER FOR DRAIN PIPES
Charles R. Harless, Beckley, W. Va.
Application February 15, 1941, Serial No. 379,139
1 Claim. (Cl. 4—256)



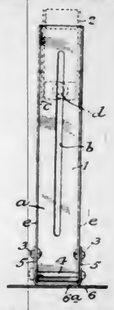
An obstruction remover for drain pipes, comprising a rubber plug, an internally threaded sleeve formed in the plug, a pipe threadedly engaging the sleeve, an elbow on the free end of the pipe, a nipple on the free end of the elbow, a hose secured at one end to the nipple, a faucet coupling on the free end of the hose, a lever having its opposite ends free, and means on said elbow pivotally supporting the lever between its free ends.

2,251,591
CARRIER
Walton J. Looney, Jefferson, Oreg.
Application May 15, 1939, Serial No. 273,767
2 Claims. (Cl. 214—65.4)



1. A milk can carrier comprising a wheel-supported axle, a bar having angularly related straight portions connected by a curved portion, the straight portions respectively constituting a standard and a handle, the standard being connected at its lower end to the axle, and the handle occupying an upwardly and rearwardly inclined position with relation to the standard, a hook, means supporting the hook upon said curved portion for adjustment along the length of said portion, said means supporting the hook in any adjusted position thereof in forwardly spaced relation to said curved portion, whereby to permit the hook to be readily engaged with a handle of a milk can, and means associated with the hook and said curved portion for securing the hook in adjusted position.

2,251,592
DOOR CATCH EXTENSION
Samuel Henry Lowe, Ponzer, N. C.
Application May 28, 1940, Serial No. 337,591
2 Claims. (Cl. 248—286)



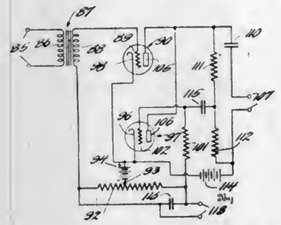
2. In a door holder, a base, a plate-like member secured to the base and having a pair of spaced apart arcuate cheek members, said cheek members each having a plurality of apertures concentrically arranged thereon and in alinement with each other, a flanged member forming an arm pivotally mounted between said cheek members by a fastening member extending through the cheek members and the flanged member, said flanged member having apertures adapted to register with a selected alined pair of apertures of the cheek members, fastening means adapted to extend through said flanged member apertures and selected cheek apertures for holding said flanged member at different positions of adjustment, the web of said flanged member having a longitudinally disposed slot, a door engaging support adjustably mounted between the flanges of said flanged member, and means associated with said slot and flanged member to retain said support in a selected position of adjustment.

2,251,593
FISH LURE
Claude V. Mangle, Livermore, Iowa
Application April 11, 1941, Serial No. 388,170
1 Claim. (Cl. 43—45)



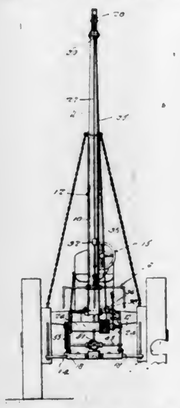
A trolling spoon comprising an elongated concavo-convex body member having a head section and a tail section, a vibratory member associated with the head section to produce minute sounds, a deflecting vane carried by the tail section, and a struck-up metal eyelet formed in the head section and tail section for alternately being attached to a leader line.

2,251,594
VOLUME CONTROL FOR ELECTRICAL SIGNALS
William Harry Mayne, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application March 8, 1940, Serial No. 323,009
1 Claim. (Cl. 179—171)



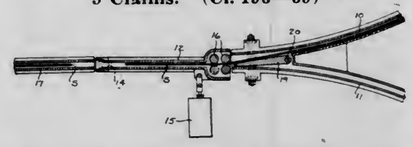
In a gain control for wave-form signal amplifiers, the combination with thermionic valve amplifying means affording two paths for signal energy, means combining the outputs of said valve means, means feeding back a portion of the combined output energy to one of said valve means, and means controlling the relative amplification effected by said valve means to cause the outputs thereof to approach or recede from a common amplitude level.

2,251,595
HAY DERRICK
Leon G. Messman, Rensselaer, Ind., assignor of one-half to Leonard A. Rajal, Rensselaer, Ind.
Application January 23, 1940, Serial No. 315,233
1 Claim. (Cl. 254—173)



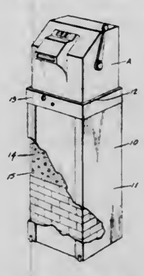
A derrick comprising a boom, a material lifter, a drum, a cable extending from the drum to the lifter and extending over the boom, a drive to the drum, a clutch between the drive and the drum, said clutch including a movable clutch element, a rockable hand lever operatively connected with the movable clutch element, a detent for the hand lever, a bell-crank, a connection between the bell-crank and the hand lever, a pivoted and slotted member at the upper end of the boom through which the cable is ridable, a connection between the pivoted member and the bell-crank adapted to operate the bell-crank and release the clutch when the pivoted member is lifted, and an anlargement on the lifter attached cable adjacent the lower end thereof adapted to engage and lift the pivoted member when the lifter approaches the pivoted member.

2,251,596
SWITCH MECHANISM
Joseph M. O'Malley, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application May 28, 1940, Serial No. 337,666
5 Claims. (Cl. 193—39)



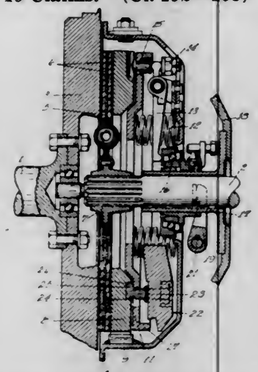
1. A switch mechanism comprising two guideways for longitudinally traveling elongated material having adjacent entrances, a third guideway positioned anterior to the said two guideways, the third guideway and the said two guideways being relatively movable in a direction transverse to the path of the material to effect registration of the third guideway with either of said entrances selectively, and a member separating said entrances and yieldable transversely of the path of the material.

2,251,597
SUPPORT FOR COIN CONTROLLED MACHINES
John P. Paca, Canton, Ohio, assignor to Diebold Safe & Lock Company, Canton, Ohio, a corporation of Ohio
Application July 19, 1939, Serial No. 285,382
5 Claims. (Cl. 248—176)



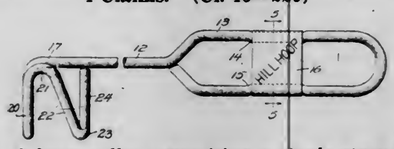
5. A support comprising a rectangular base, an inturned channel-shaped frame formed about three sides of the top of said base and adapted to receive the marginal edge portions of the base of a coin controlled machine, a keeper member positioned adjacent the fourth side of the top of said base, and means for closing the fourth side of said frame and fitting over the edge portions of the machine base, said means including a screw engageable with said member and serving to telescope said closure means and said frame, a reciprocating locking bar having horizontally extending latch portions engaging in slots formed in said keeper member, said locking bar having a portion thereof for precluding access to said screw when said latch portions are engaging said keeper member, and locking means for actuating said reciprocating locking bar.

2,251,598
AUTOMATIC CLUTCH MECHANISM
Joseph E. Padgett, Toledo, Ohio, assignor to Automatic Drive & Transmission Company, Gloucester City, N. J., a corporation of New Jersey
Application August 16, 1933, Serial No. 685,442
19 Claims. (Cl. 192—105)



1. In a clutch mechanism, a driving member and a driven member mounted for engagement and disengagement; engaging means tending to bring said members into engagement; power operated controlling means for moving said members toward disengagement against the action of said engaging means; speed responsive means for moving said members toward engaged position when they are under the influence of said controlling means; and means associated with said controlling means to cause said engaging means to automatically effect engagement of said members in stages.

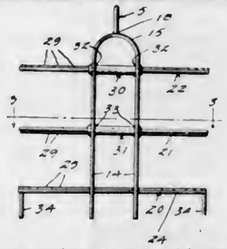
2,251,599
HOOP TRUNDLING DEVICE
Folke W. Peterson, Rockford, Ill.
Application April 1, 1940, Serial No. 327,348
4 Claims. (Cl. 46—220)



1. A hoop roller comprising a single strand of wire the lower end of which is bent laterally and into a V-shaped formation, the extremity thereof being bent rearwardly therefrom to define a V-shape formation, the connecting arms of the said V-shaped formations being in one plane and the other arms thereof being in another plane and the said planes being angularly inclined relative to each other.

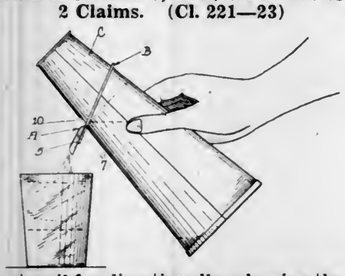
2,251,600
BAKING APPLIANCE
Susan Pollock, Scranton, Pa., assignor of thirty-five per cent to Irving L. Epstein, Esq., Scranton, Pa.
Application October 26, 1940, Serial No. 363,044
3 Claims. (Cl. 53—1)

1. In a baking appliance a pair of spaced aligned upstanding supports, a lower skeleton suspension member for an article of food to be baked arranged between and having spaced aligned parts fixedly secured to the inner faces of said supports above the lower ends of the latter, an intermediate skeleton suspension member for an article of food to be baked arranged between said supports, spaced aligned horizontally disposed channeled resilient elements fixed to the inner faces of said supports above said lower member overlapping and engaging spaced aligned parts of said intermediate member for supporting



and releasably securing it to said supports, an upper skeleton suspension member for an article of food to be baked arranged between said supports, spaced aligned horizontally disposed channeled resilient elements fixed to the inner faces of said supports above said other elements overlapping and engaging spaced aligned parts of said upper member for supporting and releasably securing it to said supports, and a handle secured to the upper ends of the said supports.

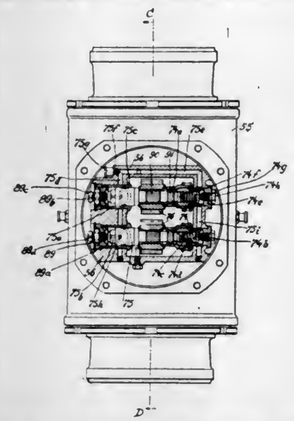
2,251,601
SPOUT
Claude Eugene Pope, Oakland, Calif.
Application October 7, 1938, Serial No. 233,887
2 Claims. (Cl. 221—23)



1. A utensil for directionally releasing the liquid from a round container, comprising means for encompassing such container including an elliptical ring having an elliptical axial dimension such that the ring engages side walls of the container and having a trough secured to said ring near the major axis thereof and extending outwardly therefrom and having a puncturing means in extension of said trough and deflected at an angle to the plane of the ring, for puncturing the container wall.

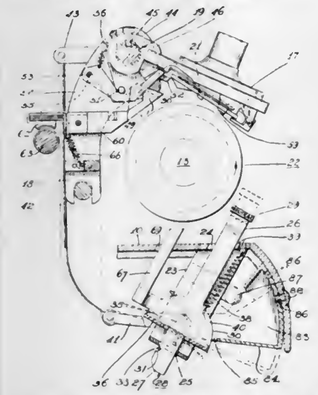
2,251,602
REGULATABLE PROPELLER HAVING ADJUSTABLE BLADES
Hans Reissner, Berlin-Charlottenburg, and Manfred Christian, Berlin-Dahlem, Germany
Application April 25, 1938, Serial No. 204,208
In Germany August 21, 1936
8 Claims. (Cl. 170—163)

1. In a variable pitch aircraft propeller a freely rotatable impeller blade wheel arranged in front of said propeller and supplying the power for the adjustment of the propeller blades, roots for said propeller blades, a pair of gears driven in opposite direction by said impeller blade wheel, a worm gear actuating said propeller blades, a gear train operatively inserted between said worm gear and said pair of gears, a mechanically operated coupling member for connecting said gear train with one of said pair of gears and for disconnecting the same, a speed controlled governor actuating said coupling member, mechanical means for directly controlling said governor and for positively estab-



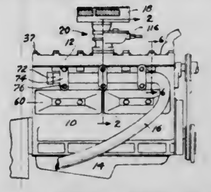
lishing certain predetermined speed settings in accordance with the various working conditions of flight, adjustable stopping means connected with said propeller roots for disconnecting said coupling member at a predetermined position of the propeller blades and mechanical means between said stopping means and said coupling member to shift said coupling member into and to hold the same in its disconnected middle position.

2,251,603
DICTATING MACHINE
Benjamin A. Schiff, Chicago, Ill.
Application February 21, 1940, Serial No. 320,046
1 Claim. (Cl. 274—17)



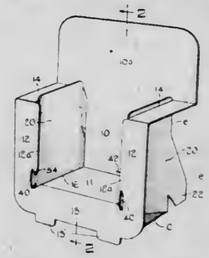
In a push button means for dictating machines having a record ejector, a housing, a dictate push button control member, a listen push button control member, a neutral push button control member, said control members slidably mounted on said housing, each of said control members having a surface cut on a different desired angle, a plate rotatably attached to said housing, a door with an opening, said door attached to said plate, each of said control members adapted upon pressure to contact said plate with its surface and pivot said plate in accordance with the angle of said surface, said dictate and listen control members adapted to pivot said plate and swing said door so as to block the operation of the record ejector, said neutral control member adapted to pivot said plate and permit the record ejector to operate through the opening in said door.

2,251,604
INTERNAL COMBUSTION ENGINE
Joseph F. Sladky, Racine, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application November 10, 1939, Serial No. 303,752
12 Claims. (Cl. 123—52)



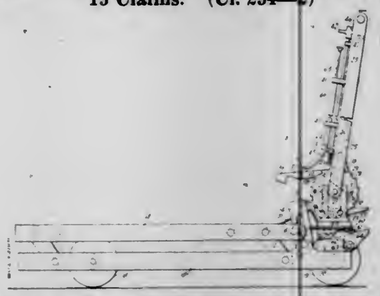
1. In combination with an internal combustion engine, a head casting having a wedge block thereon, a carburetor fastened on said wedge block, and a float chamber for said carburetor, said float chamber being positioned on the high side of said carburetor.

2,251,605
COLLAPSIBLE STRUCTURE
Marshall I. Williamson, New York, N. Y.
Application October 24, 1939, Serial No. 301,040
11 Claims. (Cl. 248—198)



1. A collapsible structure formed from a single sheet of foldable material, comprising a back panel arranged to form a back for a merchandise-receiving compartment, a panel hingedly associated with said back panel and displaceable from a position in the plane of said back panel to a plane angularly related thereto to form a base for said merchandise-receiving compartment, and means adapted to form side walls for said merchandise-receiving compartment, said means including portions of said sheet of foldable material hinged adjacent said back panel and said compartment base-forming panel to overlie said compartment base-forming panel when the structure is in collapsed status and engageable by an edge of said compartment base-forming panel for outward rotation thereby into side-forming position during the stage of displacement of said compartment base-forming panel into its base-forming position.

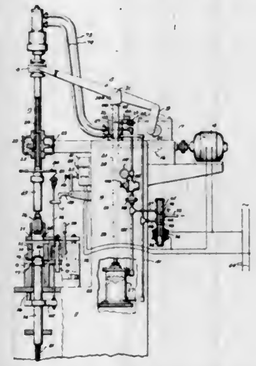
2,251,606
LIFTING TRUCK
William M. Wobbe, Springfield, Ohio
Application February 1, 1939, Serial No. 254,083
15 Claims. (Cl. 254—2)



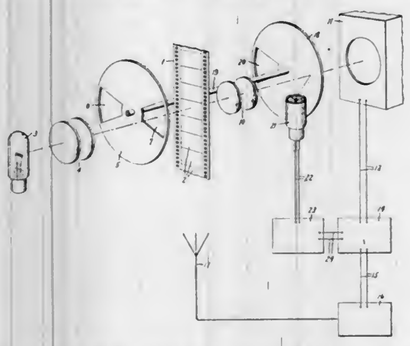
12. In a lifting truck, a base, a load platform mounted on said base for upward movement with relation thereto, a lifting device pivotally mounted on said base and having a part extending rearwardly beneath a part of said load platform and arranged to engage the same with a cam action when said lifting device is moved upwardly and forwardly about its pivotal axis, a member mounted on said base in front of said lifting device for rotation about a transverse axis, an actuating member having at one end a part movable into and out of engagement with said lifting device and connected at its other end with said rotatable member for movement into engagement with said lifting device by the rotation of said rotatable member in one direction and for upward and forward movement to actuate said lifting device by the rotation of said rotatable member in the other direction, an intermediate portion of said actuating member comprising articulated parts whereby an intermediate portion of said member is capable of being moved upward with relation to the ends of said member, a member connected with said rotatable member for rotation thereby and arranged to engage said intermediate portion of said actuating member during the forward movement of the latter and to support said intermediate portion above the level of the connection between the end of said actuating member and said rotatable member during the continued movement of said members, means for imparting step by step forward movement to said rotatable member, releasable means to hold said rotatable member against rearward movement, and a spring connected with said rotatable member and arranged to be placed under tension by the forward rotation of said rotatable member and to rotate said rotatable member rearwardly when the latter is released.

2,251,607
ABRADING MACHINE
Charles J. Astrowski and Frank J. Fritz, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application June 28, 1939, Serial No. 281,543
8 Claims. (Cl. 51—34)

1. In an abrading machine, a work support, an abrading tool movable toward and away from a working position and having an abrading element movable toward and away from a working position, means for operating said tool in its working position, fluid operated means for moving said tool toward and away from its working position, fluid operated means for moving said abrading element toward and away from its working position, common fluid pressure conduit means for conveying fluid under pressure to both of said fluid operated means to effect movement of said tool and said abrading element toward their respective working positions, common fluid pressure conduit means for supplying fluid under pressure to both of said fluid operated means to effect movement of said tool and said abrading element away from their respective working positions, a common source for supplying fluid under pressure to both of said conduit means, means for selectively connecting either of said conduit means to said source, and means for assuring positioning of said second-mentioned fluid operated means to hold said abrading element away from its working position before said first-mentioned fluid operated means can effect movement of said tool into or out of its working position.

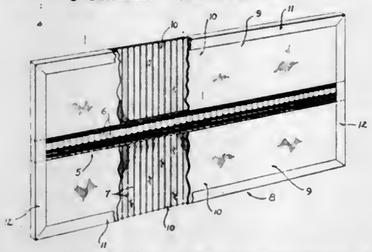


2,251,608
TELEVISION PROJECTOR
Ellsworth D. Cook, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 29, 1940, Serial No. 321,493
1 Claim. (Cl. 178—7.1)



In a television projector having a fixed screen and means including an objective for producing thereon a plurality of successive images from a motion picture film, a shutter arranged between said screen and said objective and constructed alternately to pass the image-forming light and to intercept it, said shutter having a reflecting surface facing said objective, and a photoelectric device arranged to receive light reflected from said surface.

2,251,609
PACKAGING MEANS FOR SMALL RESISTOR UNITS
Walter S. Freeburg, Milwaukee, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Original application July 18, 1936, Serial No. 91,313. Divided and this application December 11, 1939, Serial No. 308,635
6 Claims. (Cl. 206—65)

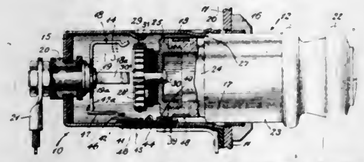


1. A resistance unit package comprising: a plurality of small resistance units all having like code marked bodies and wire leads projecting from the ends thereof; two parallel spaced holder members; means connecting said members at their ends and holding them spaced apart slightly more than the length of the units, said units being arranged in a row with their bodies side by side and extending across the space between said holder members with the holder members engaging the wire leads of the units; and means also engaging the wire leads and holding the units assembled with the holder members.

2,251,610
MANUFACTURE OF EMBEDDING MASSES
Alex Röst-Grande, Leverkusen I. G. Werk, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 8, 1938, Serial No. 212,517. In Germany June 17, 1937
3 Claims. (Cl. 22—188)

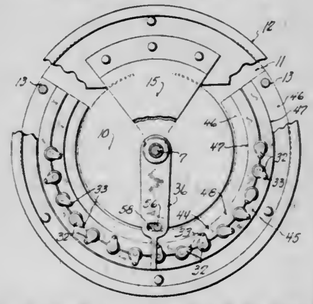
2. An embedding mass comprising an ammonium phosphate in addition to the customary solid ingredients which mainly consist of plaster of Paris and siliceous materials.

2,251,611
CIGAR LIGHTER
Arthur A. Johnson, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application July 21, 1936, Serial No. 91,727
20 Claims. (Cl. 219—32)



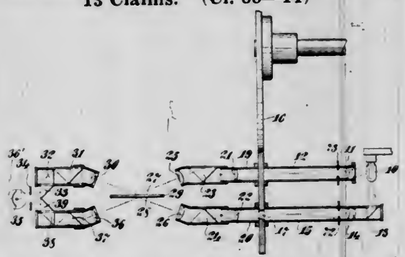
1. In a cigar lighter, a holding device; an igniting unit supported by and completely removable from the holding device for use, said igniting unit being movable on the holding device; a heating element carried by the igniting unit; means for closing a circuit through the heating element when the igniting unit is moved to energizing position on the holding device; means for closing a signaling circuit when the igniting unit is in energizing position and upon attainment by the heating element of a predetermined temperature; and means for automatically opening the signaling circuit by movement of the igniting unit from said energizing position on the holding device, said means for automatically opening the signaling circuit including a pair of contacts in the signaling circuit, carried by the holding device, and a bridging contact carried by the igniting unit and coacting with said contacts.

2,251,612
TUNING DIAL
Erich Eugene Kohls and Glenn S. Thompson, Fairy Chasm, Wis., assignors to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application February 16, 1938, Serial No. 190,803
2 Claims. (Cl. 74—10)



1. In a radio tuning device of the character described: a rotatable escutcheon ring; a plurality of depressible stop devices carried by the escutcheon ring, each of said stop devices comprising a longitudinally movable supporting member, and a stop pin adjustably carried thereby; and means for mounting the supporting members of all of the stop devices from the escutcheon ring comprising, radially spaced ring members, and tongues carried by each of said ring members and slidably disposed in grooves in said supporting members.

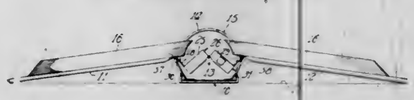
2,251,613
SURFACE SMOOTHNESS TESTER
Hermann Kott, East Orange, N. J., assignor to Alco-Gravure Division of Publication Corporation, New York, N. Y., a corporation of New York
Application March 10, 1938, Serial No. 195,059
13 Claims. (Cl. 88—14)



5. An apparatus for identifying the smoothness characteristic of paper surfaces comprising a light source, means to direct a beam of light from the light source to one surface of the paper, means to direct a second beam of light

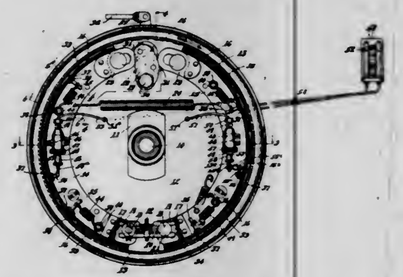
from the light source to the opposite surface of the said paper, means for varying the said light beams sinusoidally with time and in opposite phase relationship, means responsive to the differences in the intensities of light beams for indicating differences in the intensities of the light beams reflected from the said surfaces, means for equalizing the intensities of the reflected light beams, and means calibrated in degrees of relative smoothness actuated with said equalizing means for indicating the smoothness of the said paper surfaces when the intensities of the light beams are equal.

2,251,614
LOOSE-LEAF BINDER
Alfred M. Martin, Park Ridge, Ill.
Application November 9, 1934, Serial No. 752,219
22 Claims. (Cl. 129—17)



20. In a loose leaf binder, a binder back, a prong carrying plate slidably secured to said binder back, and an outer cover member hinged to said prong carrying plate whereby said prong carrying plate may be slid by manipulation of said outer cover member.

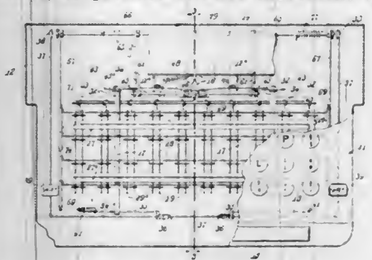
2,251,615
AUTOMOBILE BRAKE INDICATOR
Arthur J. Michle, Bensenville, Ill.
Application April 2, 1938, Serial No. 199,595
8 Claims. (Cl. 265—24)



1. In a braking mechanism, a drum, shoes normally contracted in said drum, means to expand the shoes against the drum, auxiliary shoes slidably mounted on and in frictional contact with the first shoes, means to limit the sliding movement, yieldable means for resisting the force tending to move the auxiliary shoes and means operated by such movement to indicate the braking effect.

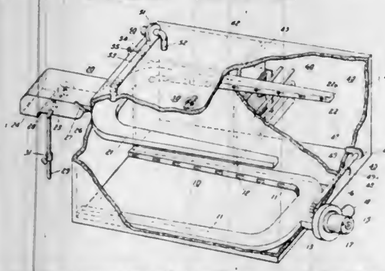
2,251,616
SCRIPT WRITER
Robert E. Perry, Chicago, Ill.
Application January 26, 1940, Serial No. 315,775
21 Claims. (Cl. 197—1)

1. A writing machine including, in combination, a pen, two frames selectively movable independently of each other in a common plane, means operatively connecting said pen with both of said frames, and a plurality of reciprocable cams co-operating with the frames, individually operable, to produce relative movement to said



frames, said movement resulting in actuation of said pen in predetermined directions.

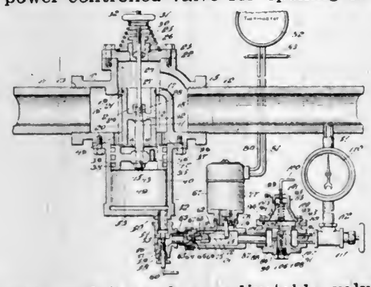
2,251,617
MEANS FOR AND METHOD OF CONTROLLING TEMPERATURE, HUMIDITY, VENTILATION, AND GAS CONTENT IN WAREHOUSES
George B. Pirnie, Center Point, Iowa, assignor, by direct and mesne assignments, of one-eighth to Henry F. Gensicke, one-eighth to Thomas Pirnie, one-eighth to Edward F. Novotny, one-sixteenth to Charles A. Zisko, and one-sixteenth to Otto Sramek, all of Cedar Rapids, Iowa
Application August 30, 1939, Serial No. 292,692
6 Claims. (Cl. 98—52)



1. In the storage of produce requiring a cool, dry atmosphere, a method of conditioning comprising heating the air in the storage room surrounding the produce to a relatively high temperature to cause moisture to be removed from the produce and from the walls of the storage chamber and be held in invisible suspension in the air, and then passing relatively cold air through the storage room at relatively high velocity whereby the moisture in the warm air of the storage room will be precipitated and carried off in visible suspension.

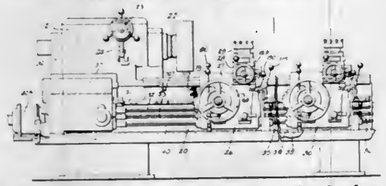
2,251,618
SLOW OPENING VALVE
Alden Rogers and Holman K. Wheeler, Providence, R. I.
Application September 1, 1938, Serial No. 227,922
5 Claims. (Cl. 137—139)

1. In a device of the character described, a conduit flow line, a valve body in said flow line, valve means in said body for controlling the amount of flow through said flow line, and valve control means comprising a pressure operated movable member secured to said valve means and spaced therefrom and with the side next to the valve means exposed to the high pressure side of said flow line, a bleeder extending from said exposed side through said member, and a conduit from the opposite side of said member and supplied through said bleeder and having therein a power controlled valve for opening or clos-



ing said conduit, and an adjustable valve between said power controlled valve and bleeder to regulate the flow of the bled fluid therethrough and thus control the opening of said valve.

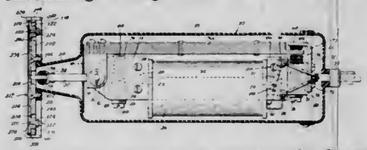
2,251,619
MACHINE TOOL TRANSMISSION AND CONTROL MECHANISM
Werner Irving Senger, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application January 27, 1939, Serial No. 253,095
15 Claims. (Cl. 82—22)



1. In a lathe, the combination of a bed, a horizontal work spindle rotatably supported adjacent one end of said bed, a tool carriage guided on said bed for reciprocatory movement parallel with the axis of said spindle, and transmission and control mechanism for said carriage movement including rotatable feed rate and quick traverse rate members each axially parallel with said spindle, a plurality of shiftable reversers respectively for connecting different of said rotatable members for movement of said carriage and each shiftable to intermediate motion interrupting position, said reversers being collectively operable for carriage actuation in either direction of said reciprocatory movement at either of said rates, a plurality of manually operable shifters respectively for different of said reversers, and means for shifting one of said reversers to interrupting position upon shifting of the other reverser to either direction position thereof.

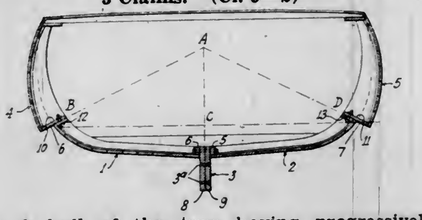
2,251,620
ELECTRIC RAZOR
Alfred J. Stecker, St. Petersburg, Fla., assignor of one-half to Edwin L. Stecker, Detroit, Mich.
Application October 14, 1938, Serial No. 234,923
7 Claims. (Cl. 30—45)

1. In a razor having a cutting member and means for reciprocating same across the face of a user, a head for supporting the cutting member, said head comprising a pair of relatively movable plate members arranged in abutting engagement with each other and having parallel lower edges, one of said plate members being operable for supporting the other of said plate members and the latter being operable for removably supporting the cutting member, means for removably connecting said plate members together without interfering with the relative movement therebetween, and a flange formed on and extending along said lower edge of one



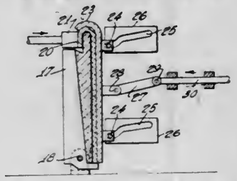
of said plate members and overlappingly engaging said lower edge of the other of said plate members along the length thereof and in the vicinity of the cutting edge of the cutting member for preventing foreign matter from passing between said plate members and guiding said relative movement of the latter.

2,251,621
HULL FOR BOATS
Albert W. W. van Hoorn, Holly Oak, Del.
Application January 3, 1939, Serial No. 249,029
3 Claims. (Cl. 9—2)



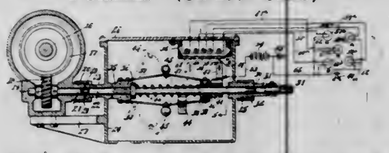
1. A hull of the type having progressively curved sections throughout, comprising a plurality of sections on each side of the vertical central plane, each section comprising a complete independent unit extending in a direction from stem to stern and adjacent edges of said sections terminating in a common plane substantially parallel to the center line of the hull, the upper of said sections being offset outwardly to provide a longitudinally extending downwardly and inwardly facing surface to stabilize the hull.

2,251,622
COMPOSITE SIDING AND ROOFING
Floyd W. Adams, Metuchen, N. J., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application August 25, 1938, Serial No. 226,695
5 Claims. (Cl. 20—5)



5. As an article of manufacture, a composite roofing and siding product comprising a felted fiber insulating body blank having a prefabricated butt edge and an asbestos-cement surfacing sheet overlapping the butt edge, the aforesaid surfacing sheet complementally formed with respect to the aforesaid blank and affixed thereto, whereby an insulated and surface finished siding and roofing unit is formed.

2,251,623
SPEEDOMETER
Edward G. Crofoot and Franklin J. Lutz, Park Ridge, Ill.
Application August 19, 1937, Serial No. 159,864
4 Claims. (Cl. 177—311.5)



1. In a vehicle, means for indicating the speed of the same to persons outside the vehicle, said means including a plurality of variously colored lights located exteriorly of the vehicle, and means for causing changes in the speed of the vehicle to light different lights to signal the speed of the vehicle, said means including a shaft driven from the transmission of the vehicle, a speed controlled device mounted on the shaft, a contact plunger, said plunger adapted to reciprocate on the shaft and having extensions, channels receiving and guiding said extensions, a series of conductor plates adapted to be selectively contacted by said contact plunger and electric connections between the plates, the plunger and lights so arranged that the plunger will contact different plates at different speeds to selectively light the lights to signal the speed of the vehicle.

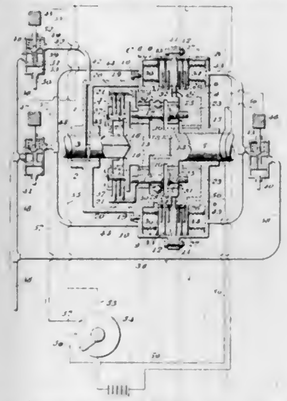
2,251,624
PLANT BED PROTECTOR EQUIPMENT
Alfred P. Foree and John M. Foree, Campbellsburg, Ky., assignors of one-third to Gray O. Strother, Glen Ridge, N. J.
Application December 14, 1938, Serial No. 245,602
2 Claims. (Cl. 47—28)



1. In a plant bed protector structure comprising a series of relatively spaced parallel wires, means anchoring the ends of the wires to the ground, members supporting the major portions of the wires above the ground, said members extending laterally beyond the wires, a sheet resting upon the wires and upon the projecting portions of said members, and members for exerting an outward pull in all directions on the sheet, said last members consisting of rods anchored in the ground at the edges of the sheet, and hooks mounted on the rods and detachably connected to the edges of the sheet.

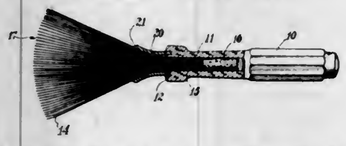
2,251,625
CHANGE SPEED SYSTEM
Jesse W. Hale, Newton Center, Mass.
Application June 24, 1938, Serial No. 215,657
40 Claims. (Cl. 74—260)

1. In a change speed device, a pair of shafts, a gear on each of said shafts, idler gears carried by one of said shafts in mesh with said gear on said other shaft to establish a normally ineffective coupling between said shafts, a second normally ineffective coupling between said idler gears and said gear on said shaft carrying said



idler gears, means to render both of said couplings simultaneously effective, means to render said first-named coupling effective and means to rotate said shafts together.

2,251,626
BRUSH CLEANING RAKE
Harry Hertzberg, Brooklyn, N. Y., assignor to Robert L. Lake, New York, N. Y.
Application October 15, 1938, Serial No. 235,173
3 Claims. (Cl. 15—160)

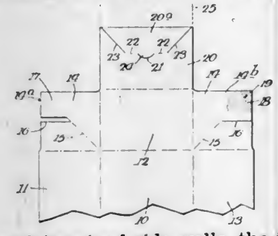


1. In a device of the kind described, a handle having an elongated socket portion and a rake device comprising a plurality of resilient straight steel wires arranged parallel and soldered to each other from one end to its middle portion to form a solid elongated bunch of cylindrical shape, the free portions of said wires being spread apart within a ferrule to fan-like formation, each wire being held in a pair of complementary grooves, the soldered portion of said bunch being fitted in said socket portion.

2,251,627
CARTON
Edward W. Johnson, Chicago, Ill., assignor to Chicago Carton Company, Chicago, Ill., a corporation of Delaware
Application October 6, 1938, Serial No. 233,658
7 Claims. (Cl. 229—31)

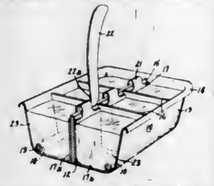
1. In a collapsible carton which is adapted to be initially fabricated to folded collapsed condition and which comprises bottom and side walls extending integrally from the periphery of the bottom wall, corner elements integrally connecting adjacent ends of the side walls, the corner elements being folded in pairs into over-lapping relation to pre-determined side walls as an incident of the folding of the carton to said collapsed condition, said corner elements being provided with fold lines for permitting unfolding of the carton to operative condition with said corner

elements folded upon themselves in said over-lapping relation to said predetermined side walls, said pairs of corner elements having tongues extending from adjacent edges of said elements into mutually over-lapping relation, said tongues being united to each other, thereby to maintain said corner elements in said over-lapping relation



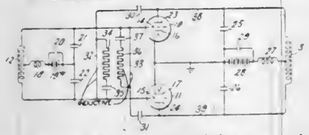
to said pre-determined side walls, the innermost of said tongues having a lower marginal portion projecting beyond the adjacent edge of the outermost tongues, so as to provide tongue portions spaced from the respectively adjacent side walls of the carton, and means for engaging said spaced tongue portions for locking the carton in set-up condition.

2,251,628
FREEZING TRAY
Larry D. Kelly, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 8, 1937, Serial No. 147,057
7 Claims. (Cl. 62—108.5)



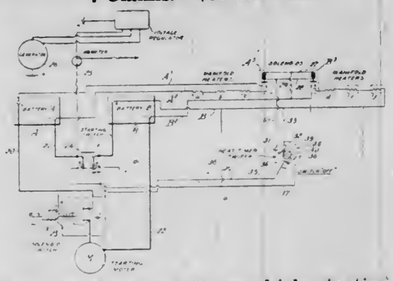
1. In combination with a freezing tray having a bottom wall, a divider comprising a plurality of partition walls cooperating with said freezing tray to form ice block compartments, a partition element arranged in one of said compartments, said partition element having a portion conforming to one of said partition walls and another portion conforming to the bottom wall of said freezing tray, and manually operable means adapted to exert a force upon said partition element for breaking loose an ice block disposed in said one compartment from at least one of its compartment walls.

2,251,629
PARASITIC OSCILLATION ELIMINATION
Laurance M. Leeds, Rotterdam Junction, N. Y., assignor to General Electric Company, a corporation of New York
Application July 16, 1940, Serial No. 345,768
5 Claims. (Cl. 179—171)



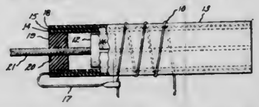
1. Radio apparatus comprising a circuit in which oscillations of an undesired frequency tend to exist, said circuit including a conductor of finite length, which thereby exhibits inductance, across which such oscillations appear, and a resistance and a capacitor serially connected between spaced points on said conductor, said resistance, due to its finite length, being inductive and being resonant at said undesired frequency with said capacitor, whereby a pure resistance is presented between said spaced points at said undesired frequency effectively to damp said oscillation.

2,251,630
MANIFOLD HEATER AND CONTROL CIRCUITS FOR THE SAME
Bruno Loeffler, West New York, and John S. Pelan, North Plainfield, N. J., assignors to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware
Application November 22, 1939, Serial No. 305,604
7 Claims. (Cl. 290—38)



1. In combination with a vehicle starting motor, a battery, a starting motor switch and circuits connecting the same for operation, of a manifold heater, a circuit connecting the heater to the battery, a switch in the last named circuit for opening and closing the heater circuit, and means rendered operable by the closing of the switch for maintaining the switch in a closed position for a predetermined period of time only.

2,251,631
INDUCTANCE DEVICE
Harry F. Mayer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 29, 1939, Serial No. 311,554
9 Claims. (Cl. 171—242)

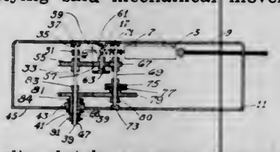


1. An inductance device comprising a coil having self inductance, means to modify said inductance comprising a non-magnetic, metallic body providing a closed path of low electrical resistance in proximity to said coil, means for moving said body relative to said coil to vary said inductance, and electrostatic shielding means interposed between said coil and said body to maintain the distributed capacity of said coil substantially constant at all positions of said body.

2,251,632
RECORDING DEVICE
Younger Neal, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application June 22, 1938, Serial No. 215,286
7 Claims. (Cl. 234—66)

5. A device of the character described com-

prising means for translating fluid pressure into mechanical movement, means for indicating the magnitude of said mechanical movement, means for multiplying said mechanical movement including a slip clutch, separate means for indicating said multiplied movement and means for arresting the motion of said separate indicating means at fixed points.



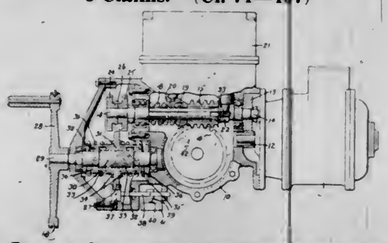
2,251,633

VALVE CONTROL

Erwin J. Panish, Bridgeport, Conn.

Original application April 9, 1940, Serial No. 328,645. Divided and this application June 12, 1941, Serial No. 397,760

5 Claims. (Cl. 74—407)



1. In a valve control having motor-operated valve-actuating mechanism including a valve driving shaft; a gear on said shaft; a handwheel; a gear driven by said handwheel and normally out of mesh with said gear on the driving shaft; means operated by the rotation of the handwheel for moving one of said gears axially into mesh with the other gear so that said driving shaft may be rotated by said handwheel; and automatic means for moving said movable gear axially out of mesh with said other gear when manually applied torque is removed from the handwheel.

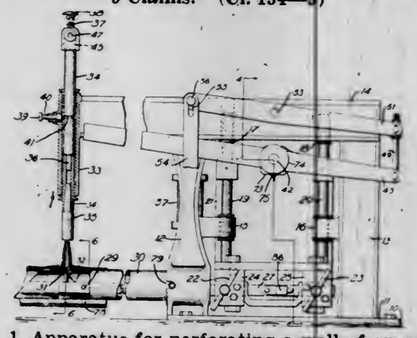
2,251,634

METHOD OF AND APPARATUS FOR PERFORATING

Aubrey W. Phillips, Norristown, Pa., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application April 30, 1938, Serial No. 205,383

9 Claims. (Cl. 154—9)



1. Apparatus for perforating a wall of an article of rubberlike material in alignment with the bore of a tubular projection thereon, said apparatus comprising a heating element of a shape effective in its heated condition to pierce said material by substantially complete heat-reduction of an area of the material without forming a slug, and means cooperable with said tubular projection of the article for locating said material and bore with relation to said heating element.

8. The method of perforating a wall of an article of rubber-like material in alignment with the bore of a tubular projection thereon, which comprises positioning said article by engagement with said projection, and piercing said material at said bore with a heated element by substantially complete heat-reduction of an area of said material without forming a slug.

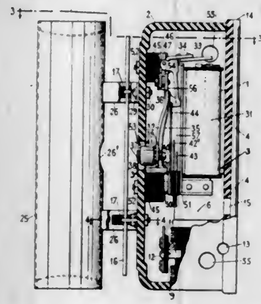
2,251,635

TELEPHONE SIGNALING APPARATUS

Theodore C. Riebe, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application January 14, 1937, Serial No. 120,508

4 Claims. (Cl. 177—7)



1. In a signaling device, a mounting case carrying a striker mechanism, a chime bar, means for supporting said bar at each of two nodal points including resilient cushions always in direct contact with the front and rear surfaces of said bar, said cushions contacting said bar only on a line with each of the nodal points, to prevent damping of vibrations when said bar is struck by the striker mechanism.

2,251,636

CONTROL SYSTEM FOR GAS-AIR PLANTS

Joseph E. Robb, Overland Park, Kans., and John M. Larson, Chicago, Ill., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 7, 1939, Serial No. 266,674

19 Claims. (Cl. 48—180)

1. In a gas-air producing plant, the combination of, a source of gas under pressure, inspirator means receiving gas under pressure from said source for entraining air, a supply main for receiving a mixture of gas and air at a reduced pressure from the inspirator means, first valve means for controlling the supply of gas from the source to the inspirator means for rendering the inspirator means operative and inoperative, pressure motor means for operating the first valve means, second valve means for admitting gas under pressure from said source to the pressure motor means and for exhausting gas therefrom, and means responsive to the pressure of the mixture of gas and air in the supply main for operating the second valve means to maintain the pressure in the supply main substantially constant.



2,251,637

HIGH GRASS LAWN MOWER

Jacob A. Ronning, Minneapolis, Minn.

Application August 4, 1939, Serial No. 288,358

9 Claims. (Cl. 56—26.5)

1. In a machine of the kind described, laterally spaced wheels, laterally spaced side frames including inside and outside frame bars that embrace said wheels and to the intermediate portions of which said wheels are journaled, couplings uniting the front end of the corresponding inside and outside frame bars, cutting mechanism connected to and supported from said bar couplings, means connecting the inner and outer frame bars and cross connecting the bars of the two side frames, and an engine mounted on the rear portions of said side frames and having driving connections for operating said cutting mechanism, and handle bars connected to and projecting rearward from said side frames, said inside and outside bars and their respective handle bars being connected by a triangular arrangement of short coupling bars.

2,251,638

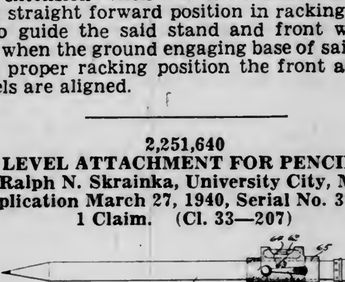
SHELF BRACKET

Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut

Application January 21, 1938, Serial No. 186,038

2 Claims. (Cl. 248—241)

1. An adjustable shelf bracket comprising a resilient metal frame having a wall engaging portion and an angularly extending shelf-engaging portion, said shelf-engaging portion having integrally formed opposed channels, a brace connected between said wall and shelf-engaging portions, a slide engaging the channels of said shelf-engaging portion and extensible therefrom for accommodating shelves of varying widths, and a finger formed integrally with said shelf-engaging portion for frictionally engaging said slide to resist movement thereof in said channels, said finger engaging an aperture in said slide to limit the outward movement thereof.



2,251,639

BICYCLE STAND

Frank W. Schwinn, Chicago, Ill.

Application March 4, 1939, Serial No. 259,742

2 Claims. (Cl. 280—302)

1. The combination with a bicycle having a frame with a steering head, a front fork journalled in the head, and a front wheel carried by the fork, a stand for the front wheel carried by the fork and pivotally mounted on the bicycle adjacent the axis of the wheel, said stand having a ground engaging base and an extension beyond the pivotal mounting swinging therewith when the stand is swung to racking position, and a pair of converging members carried by the frame, said converging members being considerably wider apart at their forward ends than the width of said extension, adapted to receive said extension between them in racking position, and to engage said extension when the front wheel is turned from straight forward position in racking, thereby to guide the said stand and front wheel so that when the ground engaging base of said stand is in proper racking position the front and rear wheels are aligned.

2,251,640

LEVEL ATTACHMENT FOR PENCILS

Ralph N. Skrainka, University City, Mo.

Application March 27, 1940, Serial No. 326,126

1 Claim. (Cl. 33—207)

A device of the character described comprising an elongated elastic rubber body having a

longitudinal hole therethrough which is open at both ends, said body being expansible and contractible and said hole being adapted to receive selected individual supports of different diameters within the expansible limit of said body and leaving said body free for longitudinal and turning movements on the selected support inwardly beyond the ends of said support, a lateral rubber extension integral with said body having an elongated slot in one side thereof in a direction away from said support, a transparent bulb mounted and clamped in said extension at said slot parallel with and laterally beyond the support that extends through said body, and a quantity of liquid contained in said bulb and forming a bubble visible through said slot in a level position of said support.

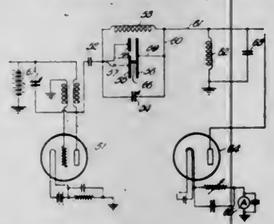
2,251,641

APPARATUS FOR TESTING MATERIALS

Frederick W. Stein, Atchison, Kans.

Application July 19, 1939, Serial No. 285,325

4 Claims. (Cl. 175—183)



1. In a moisture testing apparatus, a high frequency current generator, a pair of conducting plates spacedly positioned from each other and forming the side walls of a housing adapted to contain the material to be tested, conductors for impressing the output of said high frequency generator across the conducting side walls of said housing, a member of insulating material forming the bottom of said housing, means for readily removing said insulated member to dump the contents of said housing, a housing of predetermined volume mounted above said testing housing, said second housing having a movable bottom, and means for mounting said second housing in communication with said first housing whereby a predetermined volume of material to be tested may be placed in said second housing for passage to said testing housing.

2,251,642

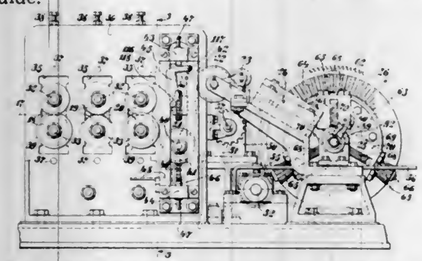
MANUFACTURE OF HEAT EXCHANGE TUBING

Edwin F. Tilley, Dunellen, N. J., assignor to said Tilley, David O'D. Kennedy, and James Tyson, jointly

Application May 21, 1938, Serial No. 209,185

26 Claims. (Cl. 29—33)

1. In a machine of the character disclosed, the combination of means for rotating and advancing tubing, means for slitting strip material inward from one edge to form separate fins attached by a strip of the material along the opposite edge, means for directing the slit material from said slitting means to the tubing rotated and advanced by said first means, including a guide for confining the uncut edge strip and for bending up the separate fins at an angle thereto, common drive mechanism for effecting synchronous operation of said several means and means for controlling operation of said machine, including a movable element disposed for engagement with and positioned by the slitted strip at a point between said slitting means and said guide.



25. A heat transferring device comprising, in combination, a cylindrical body, a strip of metal wound helically thereon which includes a multiplicity of integral, radiating fingers disposed in a helical series, and a continuous helical reenforcing strip secured to the outer ends of the fingers.

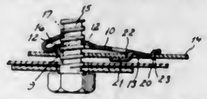
2,251,643

FASTENING DEVICE

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Original application January 7, 1937, Serial No. 119,415, now Patent No. 2,222,449, dated November 19, 1940. Divided and this application May 6, 1940, Serial No. 333,579

3 Claims. (Cl. 85—36)



1. A fastener comprising an apertured sheet metal body having a thread engaging portion and means for attaching the fastener in an opening in a support, said attaching means comprising two cooperating attaching elements both extending downwardly at spaced points from said thread engaging body portion, one of said attaching elements being adapted to extend through said opening in the support and engage said support on the side opposite to that on which said thread engaging body portion is disposed in fastening position, the other attaching element being adapted to cooperate in locking the fastener in such fastening position, and comprising a detent extending entirely across the body and adjacent one of the ends thereof.

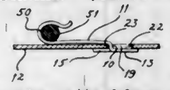
2,251,644

FASTENING DEVICE

George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Original application December 22, 1938, Serial No. 247,158. Divided and this application July 5, 1940, Serial No. 344,101

2 Claims. (Cl. 24—73)



1. A fastener for attaching an article to a structure having an opening therein, comprising a one-piece strip of sheet metal having one end thereof return-bent to provide an article receiving portion and having the other end offset to underlie said structure, said strip having a tongue deformed therefrom and lying in substantially the same plane as the offset portion and also underlying the structure, and said offset portion having means deformed therefrom for engaging the wall of the aperture, said means cooperating with the tongue to position the strip upon the structure.

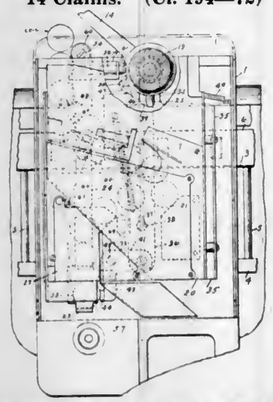
2,251,645

STEP-BY-STEP MECHANISM

Roy Lane Trimble, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois

Application April 29, 1938, Serial No. 204,940

14 Claims. (Cl. 194—72)



1. In an operating mechanism for imparting a step-by-step movement, a manually actuated rotatable operating shaft, an apertured sleeve rotatably mounted on said shaft, an oscillating actuator secured to said sleeve for movement therewith, a normally inoperative connector movably engaged in an opening in said shaft, and a coin-controlled means mounted independently of said shaft and sleeve and having a portion thereof disposed in the path of movement of said connector, said coin-controlled means being normally held against movement in the path of movement of said connector upon reception of a coin therein to move said connector into the aperture of said sleeve thereby forming an operative connection between said sleeve and shaft for operating said oscillating actuator upon rotation of said shaft in one direction.

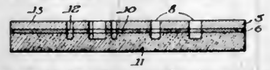
2,251,646

SANDBLAST STENCIL

Alfred J. Wartha, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application May 25, 1939, Serial No. 275,596

7 Claims. (Cl. 41—39)



7. As a new article of manufacture, a sandblast stencil sheet designed for use in cutting letters or configurations on a surface by means of sandblasting, comprising a blast-resistant sheet and upon proper shaping thereof to control the sandblast so that it forms the desired letters or configurations on said surface, said sheet comprising an admixture of whiting, vulcanized rubber, glue, and at least 5% by weight of a vulcanized vegetable oil to reduce the nerve of said rubber to provide a sheet capable of being readily and accurately cut to form an aperture for said sandblast.

2,251,647

SANDBLASTING STENCIL

Alfred J. Wartha, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application September 26, 1940, Serial No. 358,443

20 Claims. (Cl. 41—39)



, 1. As a new article of manufacture, sandblast stencil sheet material having the properties of flexibility and resistance to impact of abrasive particles, said sheet material including whiting and glue particles bonded together by a binder, said binder comprising major proportions of rubber and minor proportions of a vulcanized vegetable oil adapted to reduce the nerve of said rubber and provide a sheet material capable of being readily and accurately cut to form a sandblast aperture.

2,251,648

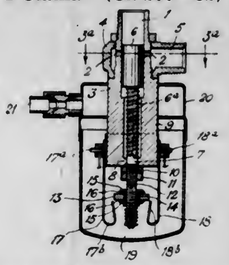
PRESSURE OPERATED ELECTRIC SWITCH

Sydney Clifford Wayman, Darthill, March, England

Application November 2, 1939, Serial No. 302,530

In Great Britain November 11, 1938

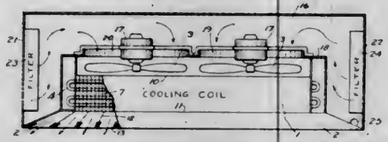
1 Claim. (Cl. 200—82)



A fluid-operated electric switch comprising a body portion providing therein, in axial alignment a cylinder having an inlet at one end, a chamber at its other end of reduced diameter and an opening of further reduced diameter at the far end of said chamber, said chamber providing an internal shoulder at its end next said opening; a plunger in said cylinder having a sliding fit therewith; a plunger rod projecting axially from said plunger into and through said chamber and of less diameter than said chamber and of the same diameter as and projecting through said opening at the far end of said chamber; a compression spring within said chamber and on said rod, said spring having one end bearing against said shoulder and its other end bearing against said plunger; screw threads on the end portion of said rod exterior of said opening; an adjustable stop on said screw-threaded end portion of the rod adjacent said opening for engagement with the said body portion to limit inward movement of the rod under influence of the spring; a contact member also carried by said threaded end of the rod beyond said stop and adjustable independently of adjustment of said stop; and a pair of cooperating resilient contact strips engageable by said contact member upon sliding the plunger and rod against

action of the spring and under influence of fluid pressure on the plunger at the inlet end of the cylinder.

2,251,649
AIR CONDITIONING DEHUMIDIFIER
John C. Wichmann, New York, N. Y.
Application January 24, 1939, Serial No. 252,628
4 Claims. (Cl. 62—140)



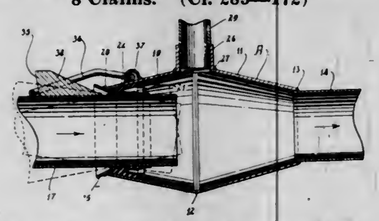
3. An air deflecting unit for air conditioning devices and the like having heat exchanging elements therein, comprising a plurality of vertically extending and vertically corrugated plates spaced relatively close and parallel to the axis of flow of air currents passing therethrough, and an additional set of vertically extending and vertically corrugated plates in front of said former plates and outwardly diverging from the center, said corrugations providing moisture arresting means for dehumidifying air passing over the plates.

2,251,650
RUBBER THREAD OR TUBING AND PROCESS OF MAKING SAME
Sterling W. Alderfer, Akron, Ohio, assignor of one-half to Edward D. Andrews, Akron, Ohio
Continuation of application Serial No. 751,857, November 7, 1934. This application September 1, 1938, Serial No. 228,011
3 Claims. (Cl. 154—8)



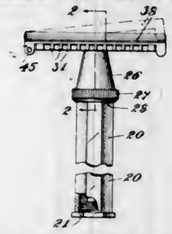
1. The process of forming hollow tubing which comprises continuously forming a tape of extensible tacky material, feeding said tape longitudinally at differential speeds in local regions of the tape so as to place one region thereof under determinate tension, and applying a dynamic turning force to one side of the tape, in the tensioned region thereof, to roll the tape transversely upon itself from one lateral margin to the other to produce a continuous tube having inner and outer seams that are continuously parallel to the axis of the tube.

2,251,651
COUPLER
Albert H. Ames, St. Paul, and Thomas S. Moulton, Withrow, Minn.
Application January 2, 1940, Serial No. 312,084
8 Claims. (Cl. 285—172)



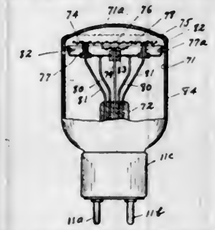
1. A coupling including a housing having an inlet end and an outlet end, said coupling comprising a pair of frustro-conical rings secured together at the large diameter end, a pipe secured to one of said inlet and outlet ends, a substantially frustro-conical ring secured to the other of said ends, the smaller diameter end of said ring projecting inwardly from said other end, and a gasket interposed between said ring and said housing and projecting inwardly therefrom.

2,251,652
SAFETY RAZOR
Sidney H. Benjamin, Milwaukee, Wis.
Application February 14, 1940, Serial No. 318,793
12 Claims. (Cl. 30—70)



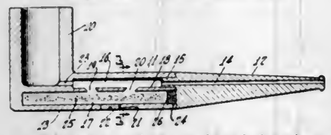
1. A safety razor comprising a guard having a centrally positioned opening and an externally threaded downwardly extended tubular stud internally peripheral with said opening, a cap having a downwardly extended externally threaded stud adapted to extend through said guard opening and its said tubular stud; and a handle comprising an internally threaded upper portion adapted to thread with said downwardly extended threaded tubular guard stud causing its abutment with said guard and having an annular recess run-way within the lower portion thereof, and an internally threaded elongated lower handle portion extended into said upper handle portion adapted to thread with said externally threaded cap stud and an extended annular flange carried by said elongated handle portion extending into and revoluble within said upper portion handle run-way, said flange being vertically movable within said run-way.

2,251,653
PHOTOELECTRIC TUBE
Henry A. Berg, Jr., Pittsburgh, Pa.
Application March 25, 1937, Serial No. 132,966
6 Claims. (Cl. 250—169)



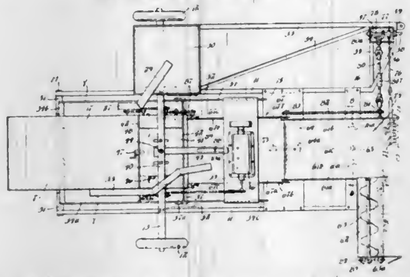
1. A photo-electric tube including a glass envelope having therein a light-pervious anode, a cathode coated with a photo-electrically sensitive material, means supporting said anode and cathode in closely spaced relation, an inert atmosphere in said envelope, an electronic-glow-discharge-suppressing grid supported in position between said anode and cathode, and an electronic-fringe-discharge-suppressing band of electro-conductive material spaced from and extending in encompassing relation with respect to the peripheries of the assembled anode, cathode and grid.

2,251,654
SMOKING PIPE
Romeo J. Bergeron, New York, N. Y.
Application January 3, 1941, Serial No. 372,957
3 Claims. (Cl. 131—202)



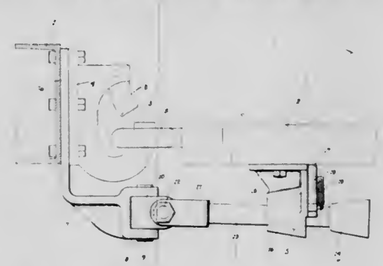
1. In a smoking pipe, a bowl having a stem connected at one end thereto, said stem and bowl having a lower longitudinal passage extending from a point closely adjacent to the front of the bowl and beneath the bottom of the latter and through the opposite end of the stem, and said stem having an upper longitudinal passage communicating at one end with the interior of the bowl and having its opposite end extending through the opposite end of the stem, a partition extending longitudinally of the stem and separating said passages, a removable absorbent member in the lower passage extending beneath the bowl bottom and terminating adjacent to the said opposite end of the lower passage, a closure for said opposite end of the lower passage, a bit having a part of its inner end disposed over and abutting the closure to conceal the latter and having a second part extending beyond said first named part of the inner end of the bit and into said opposite end of the upper passage, said partition having a pair of spaced openings adjacent the rear of the bowl and the opposite end of the stem respectively to establish communication between the passages.

2,251,655
COMBINE HARVESTER CONSTRUCTION
Arthur E. Bostic, Pipestone, Minn.
Application August 8, 1940, Serial No. 351,872
13 Claims. (Cl. 56—21)



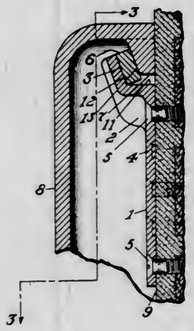
1. A harvester for grain and the like having in combination a wheeled frame adapted to be propelled over a field, a thresher unit, a carrier for conveying grain from adjacent to the ground to said thresher unit, means for supporting said unit from said frame, said means comprising a single connection member attached to the top of said unit permissive of universal swinging movement of said unit relative to said frame, said unit being balanced to be maintained in normal operative position regardless of irregularities in the ground over which said wheeled frame travels, and means for restraining said unit against swinging movement on a vertical axis.

2,251,656
SAFETY ATTACHMENT FOR TRAILER COUPLINGS
Antonio da Costa Botelho, Fresno, Calif.
Application December 24, 1940, Serial No. 371,523
6 Claims. (Cl. 280—33.44)



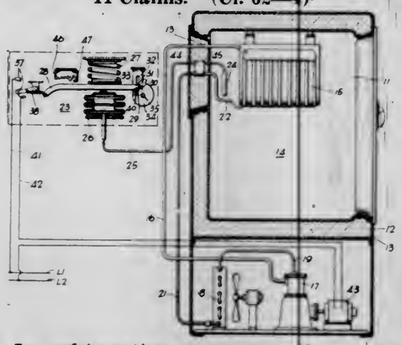
4. A safety attachment for trailer couplings comprising spaced attaching members, a draft rod, means connecting said rod at one end on one of the members, a sleeve on the other member and through which sleeve the rod projects, the bore of said sleeve being formed as a socket opening toward the other end of the draft rod, and a head on said other end of the rod normally disposed clear of the socket, said head being formed to snugly seat in said socket upon predetermined separating movement of said members.

2,251,657
SINK HANGER
Benjamin Brown, Garwood, N. J.
Application May 4, 1940, Serial No. 333,256
5 Claims. (Cl. 4—170)



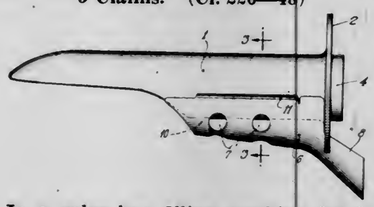
1. A bar supporting bracket adapted to be attached to a wall and to be used in groups of two or more units and arranged to conjunctively and primarily support a metallic bar in a horizontal plane, a metallic bar adapted to support a sink or like fixture, each of said brackets having an integrally formed shelf at the top thereof adapted to support said metallic bar along either end or any portion thereof, an inclined wall extended from said shelf of each bracket which supports a proportionate part of said metallic bar in an inclined position, thus providing means whereby tapered suspension lugs that are formed on the frames of sinks or like fixtures can effect a wedge like grip on said metallic bar and thus secure a sink or like fixture in a suspended and clamped position against a wall, there being a plurality of holes in the body of each bracket to accommodate screws for fastening same to a wall.

2,251,658
REFRIGERATION APPARATUS
Leslie B. M. Buchanan, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 21, 1940, Serial No. 320,050
11 Claims. (Cl. 62—4)



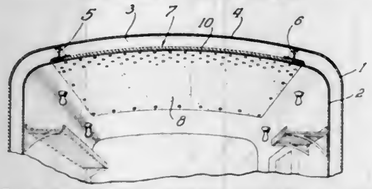
1. In refrigeration apparatus, the combination of an insulated zone to be refrigerated, a cooling element for abstracting heat from the zone, a temperature-responsive means for controlling the temperature in the zone, means for compensating the temperature-responsive means in response to changes in the temperature of the media surrounding said zone, and means for at least partially rendering the compensating means ineffective in response to abnormal temperature conditions of the media surrounding said zone, said compensating means being entirely effective under normal temperature conditions of the media surrounding said zone.

2,251,659
VALVE BAG FILLING SPOUT MEANS
Robert P. Bushman, Allentown, Pa., assignor to Modern Valve-Bag Company, Allentown, Pa., a corporation of Delaware
Application October 31, 1939, Serial No. 302,081
5 Claims. (Cl. 226—48)



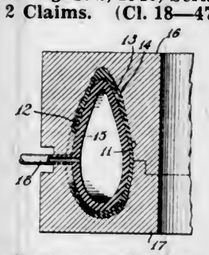
1. In a valve bag filling machine for feeding pulverulent material into a valve bag, the combination of a horizontally disposed filling spout for receiving a paper or like bag to be filled, and valve spacing means comprising laterally spaced longitudinally disposed attachment means detachably securing said valve spacing means to the spout along laterally spaced longitudinally disposed portions thereof, said valve spacing means having an imperforate rear portion positioned beneath and surrounding a portion only of the periphery of the spout adjacent the mouth the the bag being filled so as to provide a passageway defined by the lower portion of said spout and said spacing means and serving when inserted into the valve of a bag to maintain the valve in spaced relationship away from the lower portion of the spout area lying peripherally adjacent thereto.

2,251,660
AIR-DISTRIBUTING APPARATUS FOR VENTILATING SYSTEMS
Alfred S. Chipley, Chicago, Ill., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application December 15, 1938, Serial No. 245,807
17 Claims. (Cl. 98—33)



1. In a ventilating system including a distributing duct having at least one side exposed to an enclosure to be ventilated and means for continuously supplying ventilating air to said duct, an ordination of narrow spaced-apart approximately parallel baffles arranged in a plane disposed as a wall of said duct at said exposed side thereof, and means for supporting said ordination of baffles, said baffles being arranged transversely of the direction of flow of air within said duct and inclined to form an acute angle between the downstream surfaces thereof and said plane whereby to turn and introduce said ventilating air into said enclosure in a direction approximately at right angles to the direction of flow of air within said duct.

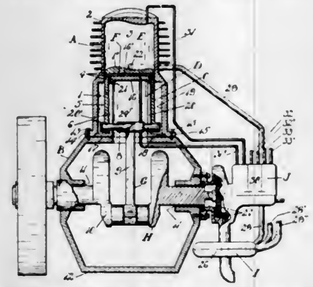
2,251,661
METHOD OF MAKING ICE REMOVING JACKETS
Russell S. Colley, Kent, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 2, 1940, Serial No. 350,037
2 Claims. (Cl. 18—47.5)



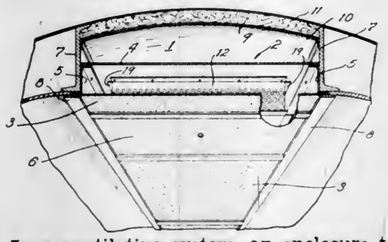
1. The method of making an inflatable ice-removing jacket for mounting upon an element, which method comprises the steps of assembling elastic rubber material upon a form entirely about the same, building into such jacket a separable fastener extending along the same, by means of such fastener separating the wall of the jacket to remove it from the form, mounting the same upon a distensible core and closing the separable fastener, mold vulcanizing the jacket while it is pressed against the mold face by said distensible core, removing the assembly from the mold, separating said fastener and removing the core therefrom, and mounting the jacket upon an element entirely about the element by the use of said fastener.

2,251,662
INTERNAL EXPANSION ENGINE
Cyril A. Crumpler, St. James, Manitoba, Canada
Application July 6, 1939, Serial No. 283,093
1 Claim. (Cl. 123—61)
An internal expansion engine comprising the

combination with a crankcase, crank shaft and connecting rod of a cylinder block having upper and lower tandem bores of different diameter, the lower bore being greater than the upper bore, a piston provided with a thickened outwardly projecting perimetric flange, said piston being slidable within said upper bore, the perimetric flange thereof moving within said lower bore but spaced from the wall thereof, a stationary cylindrical sleeve and cap, said sleeve being of less diameter than said upper bore and being provided with an annular flange and being positioned concentrically and predominantly between the upper and lower horizontally limiting planes of said lower bore, said flange being clamped between the annular contacting surface of said cylinder and said crankcase to secure said sleeve against longitudinal movement, said sleeve being also provided with a pair of diametrically opposed and longitudinally extending slots, the inner surface of the skirt of said piston being in working contact with the outer surface of said sleeve, anterior and interior compressed chambers being thereby formed, said anterior chamber by the head of said cylinder, said upper bore and the head of said piston, said inner chamber by said piston skirt, piston head and the cap of said sleeve, a wrist pin connecting said piston to said connecting rod, said wrist pin extending through said slots and terminating in diametric apertures formed in said perimetric flange, an inlet and an exhaust port upon said cylinder block to admit fuel into and discharge the products of combustion from said anterior compression chamber and an inlet port and an exhaust port communicating with said interior compression chamber to admit fuel thereinto and to discharge the products of combusion therefrom upon the movement of said piston.

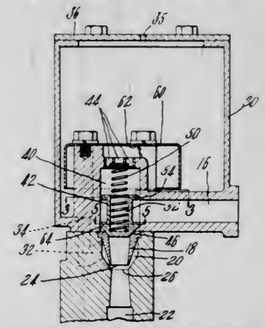


2,251,663
VENTILATING CONSTRUCTION
Howard H. Darbo, Berwyn, Ill., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application May 2, 1938, Serial No. 205,439
15 Claims. (Cl. 98—13)



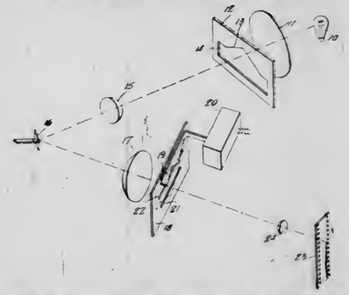
1. In a ventilating system, an enclosure to be ventilated, means forming a plenum chamber extending superjacent said enclosure, the floor of said chamber having one or more openings therein, means for continuously supplying ventilating air to said chamber, and an interstitial body associated with each said opening in said floor of said chamber without said chamber, said body having connected lateral and vertical passages and being so arranged with respect to said floor of said chamber and so constructed that air from said chamber is caused to flow vertically into said body and at least a substantial portion is caused to pass laterally therefrom.

2,251,664
LIQUID CIRCULATING SYSTEM
Francis W. Davis, Belmont, Mass.
Application June 20, 1936, Serial No. 86,315
Renewed January 20, 1940
10 Claims. (Cl. 60—52)



1. In a liquid circulating system, a pump, a fluid motor, a discharge line leading from said pump to said motor, a suction line leading from said motor to said pump, a reservoir communicating with said suction line and adapted to maintain a liquid head in said suction line when the pump is not operating, and means for utilizing the velocity of liquid returning from said motor to maintain in said suction line during the operation of the pump a pressure exceeding that of the liquid head plus atmospheric pressure.

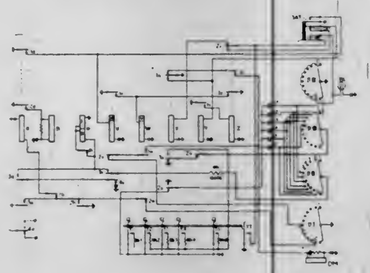
2,251,665
SOUND ON FILM RECORDING
Glenn L. Dimmick, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 29, 1938, Serial No. 198,631
5 Claims. (Cl. 179—100.3)



1. The method of making a photographic sound record including the steps of projecting a beam of light of predetermined intensity upon a sound record in the form of a narrow line,

varying the length of portions of said line in accordance with the sound waves to be recorded while maintaining the average length of said portions constant and superposing on the exposed portions of said record a second exposure corresponding to the envelope of the sound waves to be recorded.

2,251,666
IMPULSE SENDER
Hinrich Döhle, Berlin-Haselhorst, Germany, assignor to Telephon-Apparat Fabrik E. Zwietusch and Company, Berlin, Germany
Application May 14, 1937, Serial No. 142,573
In Germany June 19, 1936
11 Claims. (Cl. 177—380)



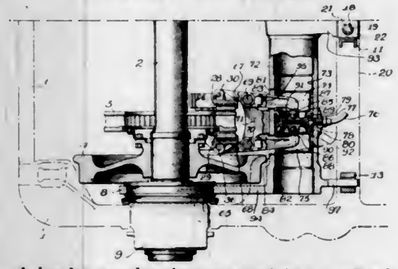
8. In an impulse sender, a condenser, means for charging said condenser to any one of a plurality of different potentials, means for thereafter discharging said condenser continuously at a controlled rate, and means for generating impulses at a predetermined rate for an interval of time dependent upon the time required for said condenser to discharge.

2,251,667
SELF-PROPELLING LOADER
William E. Ehinger, Tiffin, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application March 19, 1938, Serial No. 196,960
1 Claim. (Cl. 198—121)



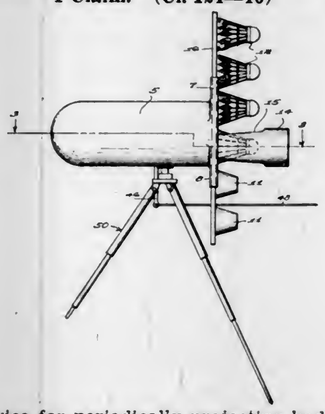
In a portable loader, the combination with a frame, of a boom connected thereto, a mast for guiding said boom for up and down adjustment relative thereto, means for adjusting the boom relative to said mast, releasable latch mechanism between the boom and the mast for enabling said boom to be supported on said mast, and manually operable mechanism extending along said boom from said latch mechanism to enable the operator to release said latch mechanism preparatory to the lowering of said boom by control of said boom adjusting means.

2,251,668
BRAKE MECHANISM
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 19, 1939, Serial No. 285,270
7 Claims. (Cl. 188—153)



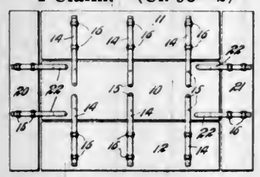
1. A brake mechanism comprising a wheel and axle, a brake ring connected therewith, brake shoes in cooperative relation with the opposite faces of the said ring, a brake yoke pivotally supported about the axis of the axle, the said yoke including a tubular cross piece, means for preventing the yoke from turning about the said axis, and pressure-fluid actuated mechanism carried by the brake yoke, comprising two members slidable in the bore of the cross piece, movable in opposite directions, and connected one to each brake shoe, whereby fluid pressure applied between the said members will cause both brake shoes to engage the said brake ring, the axis of the axle and that of the cross piece being in the same plane.

2,251,669
BADMINTON PRACTICE APPARATUS
Federico Flores, Chicago, Ill.
Application February 7, 1939, Serial No. 255,126
1 Claim. (Cl. 124—16)



A device for periodically projecting badminton shuttle cocks comprising in combination a reciprocating striking member, a magazine for shuttle cocks comprising a projectile-supporting plate provided with a series of spaced frusto-conical shuttle cock-receiving projections open at both ends, means for mounting said plate for movement in a transverse path across the path of said striking member, and means for advancing said plate the space of one frusto-conical projection for every stroke of the reciprocating striking member, thereby serially positioning said shuttle cocks in striking position.

2,251,670
WRAPPING DEVICE
Henry Forst and Edward M. Norton, Kingston, N. Y., assignors to Forst Packing Company, Inc., Kingston, N. Y., a corporation of New York
Application April 8, 1940, Serial No. 328,472
1 Claim. (Cl. 93—2)



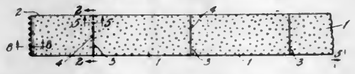
A packaging device comprising a base, a pair of side wings, a pair of end wings, and hinge means comprising flat flexible spring members securing said side and end wings to said base and normally holding the same in extended position wherein the upper surfaces thereof form a continuation of the upper surface of said base, said spring members being adapted to permit said wings to independently fold over said base for packaging purposes and being secured so as to provide clearance for a package when the wings are folded over the base.

2,251,671
FOLDING MACHINE
Henry Forst and Edward M. Norton, Kingston, N. Y., assignors to Forst Packing Company, Inc., Kingston, N. Y., a corporation of New York
Application June 18, 1940, Serial No. 341,125
6 Claims. (Cl. 93—2)



1. A folding machine comprising a platform having a base and a pair of side wings extended outwardly therefrom and adapted to receive a sheet material carrying a commodity, a continuous conveyor carrying said platform, said conveyor being adapted to feed said platform past a plurality of folding stations, means at one of said stations for folding one of said wings over said base, means at a second station for retracting said wing to its original position, means at a third station to fold the second wing over said base, and means at a fourth station for retracting said second wing, thereby leaving the material folded in package form on said base.

2,251,672
METHOD OF CASTING CONCRETE PAVEMENTS
Bengt F. Friberg, St. Louis, Mo.
Application June 4, 1936, Serial No. 83,489
4 Claims. (Cl. 94—24)



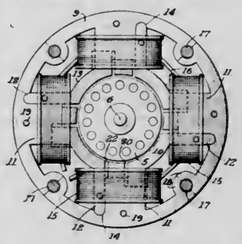
1. A method of constructing concrete pavements, roadways, and the like which comprises casting said pavements in a series of slabs with intermediate expansion joints, permitting said cast concrete to attain its elastic state, and shortly thereafter applying pressure to the individual slabs to produce compressive stress in the slabs in a direction of surface shrinkage of the slabs, and in such manner as to consolidate the concrete.

2,251,673
INDUCTION MOTOR
George A. Gillen, Bronx, N. Y., assignor to Fuel & Metal Research Corporation, Brooklyn, N. Y., a corporation of New York
Application March 15, 1939, Serial No. 261,954
6 Claims. (Cl. 172—278)



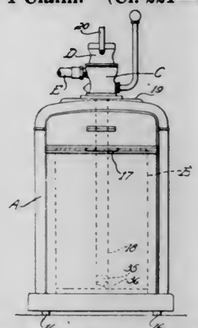
1. In an electrical machine of the character disclosed, a stator having pole pieces each provided with only a single horn projecting from one side of the same into position alongside the hornless side of an adjoining pole piece, said pole pieces being slotted and a double shading coil on each pole piece, each coil providing a plurality of closed circuits, one about the entire pole piece and another about only a portion of the pole piece.

2,251,674
INDUCTION MOTOR
George A. Gillen, Bronx, N. Y., assignor to Fuel & Metal Research Corporation, Brooklyn, N. Y., a corporation of New York
Application February 21, 1940, Serial No. 320,073
7 Claims. (Cl. 172—278)



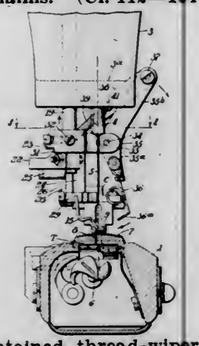
2. In an electrical machine of the character disclosed, the combination of a rotor and stator, said stator comprising cooperatively connected stator segments collectively forming an inner magnetic ring completely surrounding the rotor, a complete outer magnetic ring and poles connecting said inner and outer magnetic rings, said poles being split substantially radially in sections disposed in side by side relation with one section connected with and forming an integral part of the outer magnetic ring and the other section connected with and forming an integral part of the inner magnetic ring and windings surrounding said pole sections and disposed between said inner and outer magnetic rings, said inner ring being made up of arcuate horn extensions projecting from one side of each of the pole sections which are integral with the outer ring and the pole sections which are integral with the inner ring projecting in substantially radial relation from the ends of such horn extensions.

2,251,675
GREASE DISPENSING APPARATUS
Herman O. Grimmeisen, West Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application October 25, 1939, Serial No. 301,227
1 Claim. (Cl. 221—47.1)



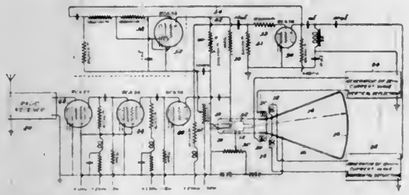
In combination, a cabinet having a floor on which a grease drum is adapted to be supported and an overlying top wall together with side walls which form with said floor and top wall an enclosure complete except for an opening in the side walls through which opening a grease drum may be inserted or removed, a closure for such opening, pumping means, a suction pipe therefor mounted to slide vertically through said top wall and into and out of said drum, and a split-cylindrical strap fixed at a point between its ends to said top wall and substantially encompassing and closely fitting said pipe, whereby to scrape grease from the pipe while the pipe is moved upwardly and allow the scraped-off grease to fall back into the underlying drum, and means for drawing the ends of said strap together to contract the strap about said pipe whereby to clamp the pipe in any of the various positions of vertical adjustment to which it may be moved.

2,251,676
THREAD WIPER FOR SEWING MACHINES
Hermann Gunther, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 23, 1940, Serial No. 320,272
5 Claims. (Cl. 112—104)



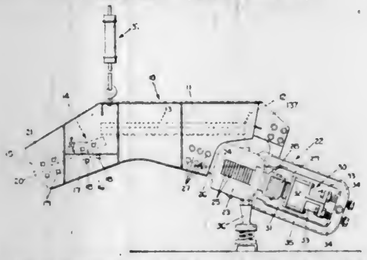
1. A self-contained thread-wiper attachment for a sewing machine having a main frame and a clamp-lifting element, comprising a member adapted to be secured upon said element; a lever fulcrumed on said member; a thread-engaging finger carried by said lever; a spring, connected at one end to said member and at its opposite end with said lever, normally holding said lever and finger in retracted position; and an arm connected to said lever and adapted, during upward movement of said clamp-lifting element, to engage said main frame and swing said lever about its fulcrum, in opposition to said spring, thereby to move said finger to an advanced position in which it engages and holds the sewing thread.

2,251,677
TELEVISION SYSTEM
Ralph S. Holmes, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1933, Serial No. 658,894
26 Claims. (Cl. 178—7.5)



1. In a television receiving system, an alternating current amplifier for both received picture signals and synchronizing signals, a picture-reproducing device adapted to be supplied with picture signals from said amplifier and comprising screen structure and means for scanning a given area of the latter, means controllable by the synchronizing signals for effecting operation of said scanning means to scan said area a plurality of times a second, and means for controlling the effectiveness of said scanning means with respect to said screen structure in accordance with a change in the amplitude of the synchronizing signals.

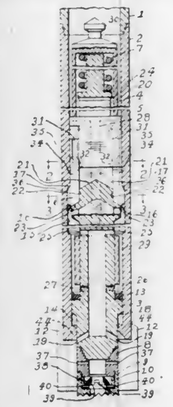
2,251,678
VIBRATORY CONVEYER AND SCREEN
Arthur D. Holt, Columbus, Ohio, assignor to The Traylor-Vibrator Company, a corporation of Colorado
Application December 31, 1938, Serial No. 248,768
2 Claims. (Cl. 209—247)



1. In a vibratory feeder and screen, the combination with a frame, of an imperforate deck mounted thereon, a bar screen mounted on said frame in position to receive material from said imperforate deck, and an electro-magnetic motor connected to said frame to vibrate the same rectilinearly along lines making acute angles with the deck and the bar screen, each forward movement in the direction of flow having an upward component of movement and a horizontal component of movement and the bar screen having two components of movement one normal and

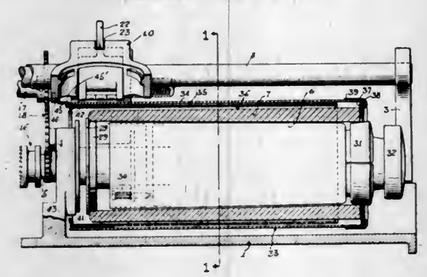
screening and the other parallel and conveying, the normal component for the bar screen being greater than the upward component for the deck due to the rectilinear vibrations produced by said motor and the downward slope of the bar screen.

2,251,679
CORE DRILL APPARATUS
Leland P. Kinnear, Beaumont, Tex.
Application November 29, 1937, Serial No. 176,972
10 Claims. (Cl. 255—72)



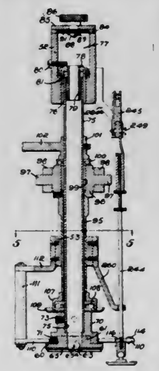
1. A core drill apparatus comprising a drill stem casing, a seat and a recess in said casing, a removable core barrel assembly including a seating head having a core receiving tube attached thereto adapted to be passed through said casing and seated thereon, a window in said seating head, a movable head including locking members slidable within said window and movable relative to said heating head for coupling said locking members to said casing, a guide block on said seating head for deflecting said locking members outwardly into said recess to engage said casing and for maintaining said locking members in coupled relation to said casing.

2,251,680
PHONOGRAPH
Louis Z. La Forest, Morris Plains, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application July 8, 1939, Serial No. 283,387
11 Claims. (Cl. 274—21)



3. In a phonograph comprising a record-supporting mandrel having a free end by way of which a cylindrical record may be mounted thereon and removed therefrom: the combination of a carriage for a translating means of the phonograph, movable along said mandrel between a start position and a terminal position at the free end of said mandrel; an open-ended container for holding the record during record mounting and record removal, said container being passed over said mandrel both to place the record in mounted position and to pick up the record from mounted position upon record removal; and a member on said carriage, projecting into the path of the passing of said container over said mandrel, for causing said carriage to be returned to start position by the impingement of said container upon said member.

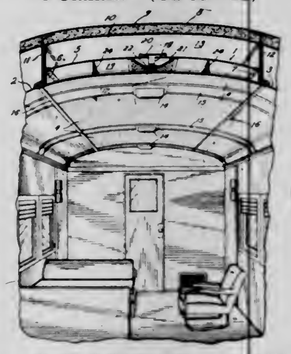
2,251,681
WEAR-TESTING FABRIC AND OTHER MATERIALS
Edgar F. Hathaway, Wellesley, and Walter Bixby, Dorchester, Mass., assignors to Shawmut Engineering Company, Dorchester, Mass., a corporation of Massachusetts
Application November 30, 1937, Serial No. 177,376
19 Claims. (Cl. 73—51)



1. In a wear-testing apparatus of the character described, in combination with a frame, a support thereon for a test specimen, a wearer shoe engageable with a specimen thereon to wear it to increasing depths, a vertically movable supporting arm for the shoe, an electric motor to drive the apparatus, a contact element supported on but insulated from the frame in position below the shoe supporting arm, for engagement thereby at a selected wear depth, a motor switch, and a relay to operate the latter, said relay disposed in a circuit including said shoe supporting arm and said contact element, thereby to stop the motor at a predetermined level of wear of the specimen.

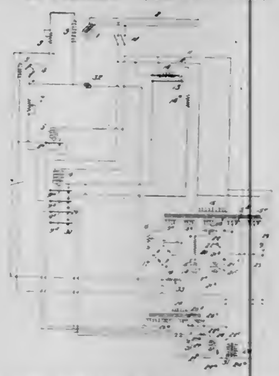
15. In a wear-testing apparatus of the character described, in combination, a frame, a movable platen thereon for a test specimen, means to move the platen, a wearer shoe mounted to have rotary motion in contact with a specimen on the moving platen, said interaction of the shoe and specimen tending to generate heat in the shoe, a central through aperture in the shoe opening at its wearing face, a debris-collecting vacuum system in closed communication with said aperture in the shoe, the shoe comprising a wearer element proper presenting a hard, smooth wearing surface having a mirror finish, and a shallow channel formation in said wearing surface communicating between the periphery thereof and the central through aperture in the shoe, for wear-contributing, air-cooling and debris-collecting purposes.

2,251,682
VENTILATING CONSTRUCTION
Ralph L. Leadbetter, Wheaton, Ill., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application May 2, 1938, Serial No. 205,403
8 Claims. (Cl. 98—14)



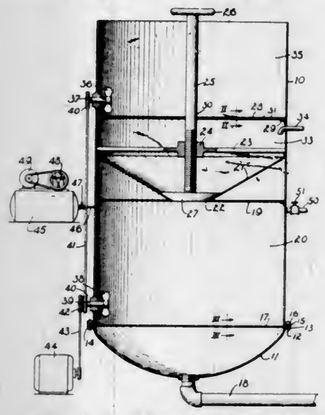
1. In an air distributor for a ventilating system for an enclosure having a ceiling, a sheet-form control member of substantially air impervious material having a slot therein and spaced below said ceiling to form a plenum chamber, means for continuously supplying ventilating air to said plenum chamber, and a diffusing device without said plenum chamber in association with said slot in said control member adapted to spread the stream of air passing through said slot, said diffusing device comprising an apertured trough-like member arranged with the edges thereof contiguous to said control member on opposed sides of said slot, end members for said trough-like member, and an apertured baffle member spaced under said slot and arranged substantially horizontally within said trough-like member.

2,251,683
REGULATING APPARATUS FOR DYNAMO-ELECTRIC MACHINES
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application May 5, 1936, Serial No. 77,931
12 Claims. (Cl. 171—119)



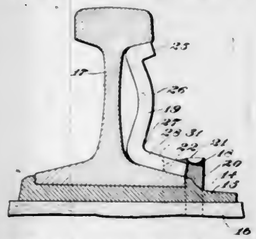
1. The combination of a dynamo electric machine having a field winding, and means for controlling the current in said field winding comprising a space discharge device having an anode and cathode, and anti-hunting means responsive to change affecting said field winding for affecting the heating of said cathode to oppose the change affecting said field winding.

2,251,684
EGG FILTRATION PROCESS
Frank B. Lomax, Chicago, Ill.
Application May 4, 1938, Serial No. 205,945
1 Claim. (Cl. 99—113)



The method of filtering liquid egg material which comprises disposing a given batch of the material in a given area open to atmosphere, forcing the material in said area downwardly through a filtering medium, agitating the material above said filtering medium, intermittently feeding the material from said area directly into an adjoining area, closing said adjoining area to atmospheric pressure, and forcing, by gas under pressure introduced in said adjoining area, the material therein through a second filtering medium.

2,251,685
RAIL ANCHOR
George Loop Moore and James Robert Steele, Owego, N. Y.
Application January 14, 1939, Serial No. 250,866
12 Claims. (Cl. 238—315)



1. In a railway track structure, including a rail and a seat for said rail, an anchor retaining said rail in operative relation with said seat, said anchor comprising a spike and a resilient member of such form that it is incapable of being assembled with the rail in its normal condition and it is necessary to deform said member during its application to the rail, said member having a bowed body and flanged ends, one of said flanged ends engaging the upper surface of the rail base and having a recess therein receptive of the head of said spike and the other of said flanged ends engaging the under surface of the rail head, the central longitudinal plane normal to the engaged surface of the rail head lying inwardly of the outer edge of the rail base surface adjacent the spike head engaged by said flanged end receiving the spike head.

2,251,686
LUBRICATING COMPOUND
John M. Musselman, South Euclid, and Herman P. Lankelma, Shaker Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 28, 1939, Serial No. 296,971
4 Claims. (Cl. 252—47)

4. A lubricant comprising an oil of lubricating viscosity and a small amount of the product of reacting carbon disulphide with an amine capable of reacting therewith, and reacting the product thereof with sulphur, to the combining of at least three atoms of total sulphur.

2,251,687
BRICK MANUFACTURE
Charles L. Norton, Boston, Mass., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application February 8, 1929, Serial No. 338,621
21 Claims. (Cl. 25—156)

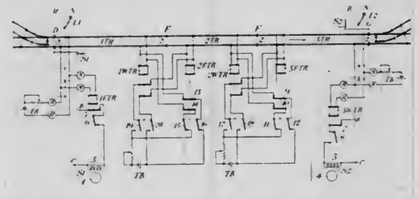
9. The method of manufacturing a building block having refractory and heat insulating characteristics, and which includes the steps of forming and molding an intimate highly aerated liquid mixture of refractory and combustible organic particles, deliquidizing the mixture while substantially preserving its aerated condition, and then burning the block to establish its refractory characteristics and eliminate the organic particles thereby creating minute voids in addition to those created by aeration.

2,251,688
PROCESS FOR THE SULPHONATION OF ALPHA-AMINOANTHRAQUINONE COMPOUNDS
James Ogilvie and Robert C. Hoare, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 1, 1938, Serial No. 188,191
15 Claims. (Cl. 260—371)

1. In the process for the preparation of a 1-aminoanthraquinone-2-sulphonic acid compound by sulphonating an aminoanthraquinone compound in which an amino group is in the 1-position and the 2-, 3-, and 4-positions are unsubstituted, the improvement which comprises reacting said aminoanthraquinone compound with chlorsulphonic acid under non-sulphonating conditions to form an intermediate compound between said aminoanthraquinone compound and the chlorsulphonic acid, and heating the intermediate compound to convert the intermediate compound to a 1-aminoanthraquinone-2-sulphonic acid compound.

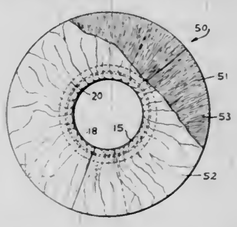
2,251,689
RAILWAY TRAFFIC CONTROLLING APPARATUS
John M. Pelikan, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 27, 1940, Serial No. 367,352
7 Claims. (Cl. 246—26)

1. In combination with a stretch of track over which traffic may move in either direction, said stretch being divided into a plurality of track circuit sections, a first and a second manually controlled lever at the first and the second end respectively of said stretch, said levers having a normal and a reverse position, a first and a second headblock signal also at the respective ends of said stretch, an eastbound and a westbound polarized track relay for each of said track circuit sections, all of said track relays except the first eastbound relay and the first westbound relay being permanently connected across the rails of the respective track section, means effective when said first lever is moved to its normal position for connecting said first eastbound relay across the rails of the first eastbound section, means effective when said second lever is moved



away from its reverse position for setting said second headblock signal at stop, means effective when said second lever is moved to its normal position for supplying current of positive polarity to the rails of the last eastbound section to thereby energize the eastbound track relay for that section so as to cause polarized response thereof, means controlled by said last named track relay for supplying track circuit current of proper polarity to the rails of the adjoining section to energize the eastbound track relay of said adjoining section and so to relay current of proper polarity to the rails of the next adjoining section and in turn to the rails of said first eastbound section for providing polarized response of said first eastbound relay, and means controlled by said first eastbound relay for clearing said first headblock signal.

2,251,690
BUFFING WHEEL
Clarence J. Peterson and Arthur H. Peterson, Meriden, Conn.
Application June 11, 1940, Serial No. 339,868
11 Claims. (Cl. 51—193)



5. In an all-paper buffing wheel, a plurality of superposed layers of radially crinkled paper having a common central opening, said wheel being made from an elongated flat blank of crosswise crinkled paper rolled into cylindrical shape, and a tying cord for drawing said blank inwardly from cylindrical into flat condition, all of the crinkles being radial to the axis of the buffing wheel.

2,251,691
DRY CLEANING SOLVENT
Albert S. Richardson, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application September 28, 1938, Serial No. 232,167
8 Claims. (Cl. 252—162)

1. As a new composition of matter possessing improved cleansing power, a dry cleaning solvent in which has been incorporated from about .025 per cent to about 6 per cent of a polyglycerol partially esterified with a mixture of fatty acids containing in predominant proportion saturated fatty acids having from eight to twenty-two carbon atoms.

2,251,692
PREPARATION OF MONOGLYCERIDES
Albert S. Richardson, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application March 23, 1939, Serial No. 263,707
10 Claims. (Cl. 260—411)

1. The process of esterifying glycerol with a fatty acid having eight or more carbon atoms per molecule to form a product rich in fatty acid monoglyceride, which comprises mixing one molar proportion of said fatty acid with at least one molar proportion of glycerol in the presence of boiling dioxane and an esterification catalyst.

2,251,693
PREPARATION OF MONOGLYCERIDES
Albert S. Richardson and Eddy W. Eckey, Wyoming, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application March 24, 1939, Serial No. 264,041
11 Claims. (Cl. 260—411)

1. An improved process for reacting triglyceride fats and oils with glycerol to form a product rich in monoglyceride, comprising boiling a mixture of one molar proportion of said fat or oil, at least two molar proportions of glycerol, dioxane, and a glyceroxide catalyst.

2,251,694
DRY CLEANING SOLVENT
Nathaniel Beverley Tucker, Glendale, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application August 11, 1938, Serial No. 224,359
6 Claims. (Cl. 252—162)

1. As a new composition of matter possessing improved cleansing power, a dry cleaning solvent in which has been incorporated from about .025 per cent to about six per cent of an ester derived from a water-soluble aliphatic hydroxy carboxylic acid and an aliphatic carboxylic acid having from eight to twenty-two atoms of carbon, said ester being "balanced" in that the ratio of the total number of free hydroxyl and carboxyl groups in the hydroxy acid portion of the ester to the number of esterified hydroxyl groups is at least one.

4. A dry cleaning fluid consisting essentially of a dry cleaning solvent containing from about .025 per cent to about 0.5 per cent of an ester derived from tartaric acid and commercial "stearic" acid.

2,251,695
PREPARATION OF FATTY ACID ESTERS OF ALIPHATIC HYDROXY COMPOUNDS
Nathaniel Beverley Tucker, Glendale, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application March 20, 1939, Serial No. 263,059
12 Claims. (Cl. 260—410)

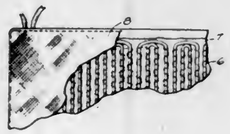
1. In the process of forming an ester of a fatty acid and an aliphatic hydroxy compound, the step of reacting an acyl halide with said aliphatic hydroxy compound in the presence of a boiling solvent of the 1—4 cyclic ether type.

2,251,696
PISTON EXPANDER AND METHOD OF INSTALLATION
Raymond M. Ulrich, Shelbyville, Ill., assignor to Alois W. Graf, Strasburg, Ill.
Application April 26, 1938, Serial No. 204,272
8 Claims. (Cl. 309—12)



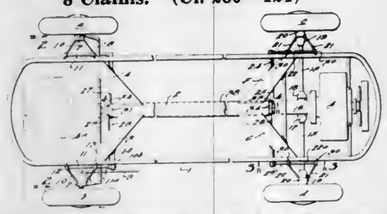
1. The combination with a piston having in the expansible skirt thereof a slot provided with indentations on the faces of said slot, said indentations comprising concave cylindrical surfaces the axes of which are in planes at acute angles to each other and to the plane of the radius of the piston skirt at the slot, a spring expansion member located within said skirt and being provided with a plurality of projections engaging said indentations, said projections each having an arcuate surface at such an angle that a substantial portion of said arcuate surface is in contact with said surface of said indentation of said slot.

2,251,697
HEATING PAD AND A PROCESS FOR MAKING SAME
Gerrit Van Daam, Buffalo, N. Y., and Emil Stranszky, Erie, Pa., assignors to North American Electric Appliance Company, Inc., Buffalo, N. Y., a corporation of New York
Application June 29, 1938, Serial No. 216,544
2 Claims. (Cl. 219—46)



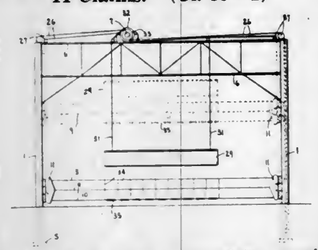
1. A flexible, water-proof, acid-proof, fireproof, shock-proof electrical heating pad resistant to puncture by sharp or pointed instruments comprising a core, resistance wires wound around said core, a fibrous glass yarn wound around said core for covering said resistance wires, a fibrous yarn into which said fibrous yarn covered resistance wires are woven, a latex compound covering the fibrous yarn covered resistance wires, and a second coating of latex compound covering the whole heating pad, the said latex compound being hardened upon exposure to air.

2,251,698
ROAD VEHICLE CONSTRUCTION
Corwin D. Willson, Flint, Mich.
Application April 6, 1939, Serial No. 266,371
8 Claims. (Cl. 280—124)



1. In a motor vehicle, a pair of front and a pair of rear road wheels, the wheels of each pair being pivotally connected to opposite sides of the body, a suspension means comprising a tubular member having its longitudinal axis in a vertical plane passing through the longitudinal center line of the body, means rigidly connecting the said tubular member to the body, a pair of rotatable elements extending longitudinally within the tubular member, one of the rear wheels being connected with an end of one of said rotatable elements and the other rear wheel being connected with an end of the other element, and each front wheel being connected with the end of the rotatable element to which the diagonally opposite rear wheel is connected, means in the connection of each of the wheels with the respective rotatable element whereby displacement of any one wheel of the two pairs of wheels in a vertical plane tends to relatively displace the diagonal opposite wheel of the other pair in the opposite direction in a vertical plane, and resilient means within said housing yieldably resisting rotation of either of the elements therein by displacement of a road wheel in a vertical plane relative to the body.

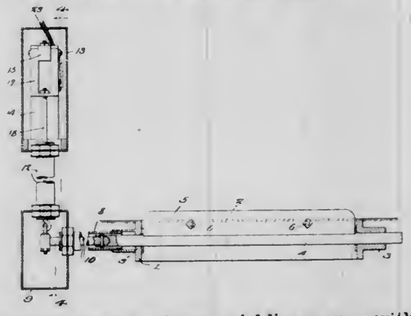
2,251,699
AUTOMOBILE CROSSING BARRIER
Edward A. Banschbach, Madison, Wis.
Application July 24, 1937, Serial No. 155,421
11 Claims. (Cl. 39—1)



1. A roadway barrier, comprising upright columns set into the ground at the sides of the road, a gate extending across the road and movably mounted in the columns, cables connected to the ends of the gate and movable over pulleys in the columns, and graduated spring means at the bottom of the columns connected with the cables to increasingly oppose the impact of vehicles with the gate.

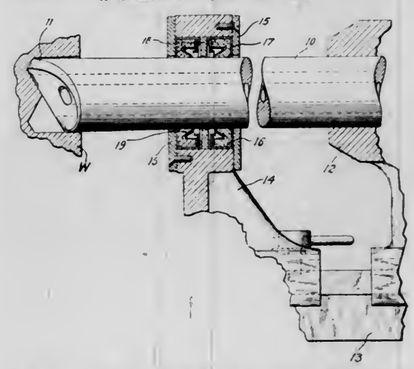
2,251,700
AUTOMATIC LIGHTING SYSTEM
Charles P. Beardslee and J Kenyon Lybarger, Anaheim, Calif.
Application October 4, 1939, Serial No. 297,936
1 Claim. (Cl. 200—86)

The combination with a lighting circuit including a normally open switch, of means under the control of a vehicle, when moving in one direction only, for actuating the switch to close the circuit, said means including an open frame adapted to be positioned transversely of and substantially flush with the surface of a driveway, a shaft journalled in the frame and extending longitudinally thereof, means operated by the shaft when turned in one direction, for shifting the switch to close the circuit, a blade extending longitudinally of the shaft and projecting



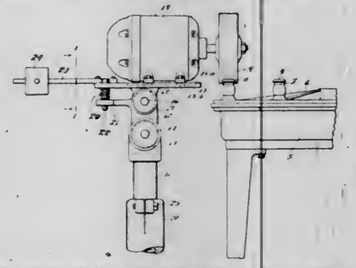
upwardly above the frame, yielding means within the frame and cooperating with the blade to hold the blade normally in upwardly extended position, said blade being located for engagement by the wheels of a vehicle when moving in one direction, thereby to be shifted from normal position and against the action of the yielding means, and means in the frame cooperating with the blade for holding said blade against movement out of normal position under the action of the wheels of a vehicle moving in the opposite direction.

2,251,701
DRILL SUPPORT
John C. Dixon, Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application May 27, 1939, Serial No. 276,045
2 Claims. (Cl. 77—59)



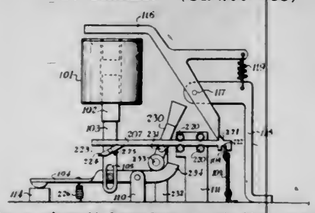
1. In a drilling machine, means to relatively rotate a work piece and drill, an intermediate rigid support for said drill having an opening therein through which said drill may pass, an annular packing fitting within said opening, and an annular spring closely engaging the packing and forcing said packing into contact with the outer surface of said drill throughout its periphery.

2,251,702
MOUNTING FOR ABRADING WHEELS
James English, Winsted, Conn.
Application May 16, 1940, Serial No. 335,589
5 Claims. (Cl. 51—166)



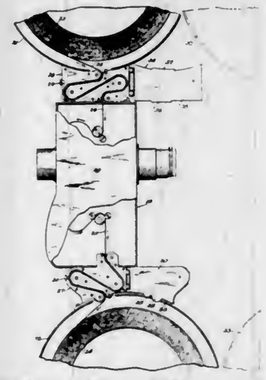
5. A support for an abrading wheel comprising an adjustable upright member, a frame pivoted on said upright member, a wheel supporting member pivoted on said frame, a wheel rotatably mounted on said supporting member and carried thereby in operating position relative to work brought into contact with said wheel, spring means urging said supporting member to move said wheel towards said work, and adjustable gravity means to control the tension applied to said wheel by said spring means.

2,251,703
CIRCUIT BREAKER
William H. Frank and Joseph A. Messing, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Original application November 7, 1934, Serial No. 751,834, now Patent No. 2,072,163, dated March 2, 1937. Divided and this application September 3, 1936, Serial No. 99,265. Renewed October 11, 1939
17 Claims. (Cl. 200—88)



1. In a circuit breaker, a stationary contact, a movable contact, spring means normally urging the movable contact towards the stationary contact to maintain the controlled circuit closed, manually operable means arranged to be manipulable to overcome the force of the spring means and thus cause the movable contact to leave the stationary contact or release the movable contact if such contact be away from the stationary contact so that it will be automatically returned to the stationary contact by the spring means without requiring any urging thereon for this purpose by the manually operable means, and circuit current responsive means arranged for normally preventing the movable contact from leaving the stationary contact, except when the latter is caused so to do by the manually operable means, and operable, when energized by a circuit abnormality, for moving and no longer preventing the movable contact from leaving the stationary contact when urged so to do for circuit opening responsive to a circuit abnormality, and means operable without requiring movement of the manually operable means out of the closed circuit position which it then occupies for causing the movable contact to leave the stationary contact automatically on a circuit abnormality when the movable contact is permitted so to leave by movement of the circuit current responsive means out of its holding or preventing position responsive to a circuit abnormality.

2,251,704
FIRETRAP FOR MOTION PICTURE PROJECTORS
Robert R. French, New York, N. Y.
Application January 31, 1939, Serial No. 253,721
2 Claims. (Cl. 88—17)



1. A valve for a film roll for a motion picture film projection device comprising a body portion having a narrow all enclosed compound curved film path therein, film engaging rollers at each terminal of said path, a roller arranged with its peripheral surface coinciding with a curved portion of said film path to guide the film intermediate of said terminals of said path, a second roller arranged opposite said first roller with its peripheral surface coinciding with a second curved portion of said path, the uppermost point of the periphery of said second roller being above the lowermost periphery of said first roller so that the section of said path extending between said rollers is inclined upwardly from said first to said second roller and in an opposite direction with respect to the direction of movement of the film therethrough to obstruct the advance of a flame on the film.

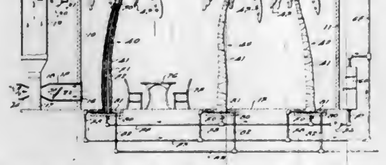
2,251,705
ARTISTIC CREATION FOR INTERIOR DECORATION AND HUMAN COMFORT
Rafael A. Gonzalez, Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application May 24, 1939, Serial No. 275,441
7 Claims. (Cl. 62—1)

1. An artistic creation serving the utilitarian purpose of contributing to the comfort of human beings in an enclosure in which the artistic creation may be placed comprising a rigid, self-sustaining, substantially tubular shell, means to circulate a chilling medium through said shell in intimate contact with the inner surface thereof, and means to vent the interior of said shell to the atmosphere in order to release air trapped therein and permit the entire free, interior space of said shell to be filled with chilling medium, said shell comprising a plurality of cylindrical sections having adjacent ends welded together, the welded

joints between sections protruding from the normal surface of the shell in simulation of protuberances on the surface of a tree trunk.



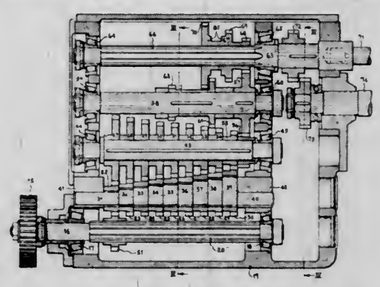
2,251,706
APPARATUS FOR DECORATING THE INTERIOR AND IMPROVING THE ATMOSPHERE OF ENCLOSURES
Raymond Loewy, New York, N. Y., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application May 24, 1939, Serial No. 275,477
8 Claims. (Cl. 62—140)



5. In an enclosure in which human beings congregate, the improvement comprising the inclusion therein of an object located in the zone of occupancy and having a body portion extending from adjacent the floor level of the enclosure to a point above the zone of occupancy, said body portion being chilled to an extent sufficient to cause the radiation of heat thereto from nearby human beings, and having a crown portion above the zone of occupancy comprising a plurality of separate branches, said branches being of a character such as to break up air streams into a plurality of divergent air currents and comprising leaf simulating members of stiff fabric; in combination with means for directing an air stream into said room substantially horizontally through said crown portion.

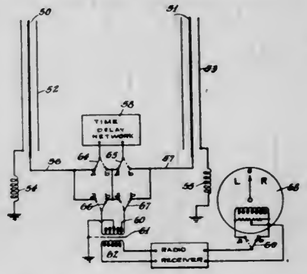
2,251,707
FEEDBOX FOR LATHES
William F. Groene and George W. Luning, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application February 11, 1941, Serial No. 378,432
9 Claims. (Cl. 74—342)

1. In a change speed transmission, an input shaft, an output shaft located in a predetermined fixed position relative to said input shaft, an intermediate shaft associated with said input and output shafts and having a plurality of eccentric portions formed thereon, a series of gears journaled on said eccentric portions of said intermediate shaft, a gear on said input shaft adapted



to be selectively engaged with each gear on said eccentric shaft, and a series of gears, fixed on said output shaft, each in engagement with a gear journaled on said eccentric shaft.

2,251,708
DIRECTION FINDER ANTENNA SYSTEM
Edward J. Hefele, Amityville, N. Y.
Application April 27, 1937, Serial No. 139,143
16 Claims. (Cl. 250—11)



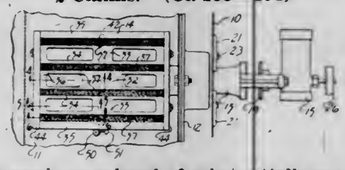
1. A radio direction finder system comprising a first non-directional antenna; a second non-directional antenna; means for combining the signal outputs of said first and second antennae to successively form differently oriented polar cardioid reception patterns; an indicator; and means for producing right-left indications on said indicator in accordance with the relative position of the antennae with respect to the signal source.

2,251,709
METHOD OF CONNECTING WIRES TO SLEEVES
Charles H. Klein, Cleveland, Ohio, assignor to The National Telephone Supply Company
Application January 4, 1940, Serial No. 312,388
3 Claims. (Cl. 29—148)



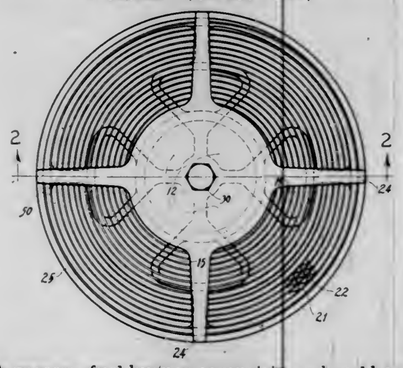
1. The method of making a wire and sleeve joint which comprises the steps of coating the end of the wire with an abrasive mixed with an air drying binder, inserting the wire in the open end of a sleeve, and compressing the sleeve upon the abrasive coated wire to embed said abrasive into said sleeve and into said wire.

2,251,710
GAS BURNER
Allen P. Livar, Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application August 24, 1938, Serial No. 226,404
2 Claims. (Cl. 158—104)



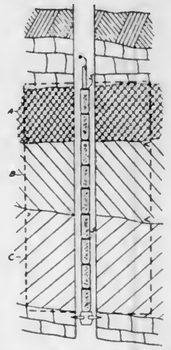
2. A gas burner head of substantially rectangular shape comprising a central distributor space, laterally extending, outwardly tapering distributor passages communicating with said distributor space, and a plurality of longitudinally extending, outwardly tapering passages communicating with said distributor space and distributor passages, said burner head having a plane surface through which a slot extends above each of said longitudinally extending passages, a pack of alternate flat and corrugated strips of heat-resisting metal laid on edge in the confines of each of said slots, said strips being unsecured to each other so as to be free to move with respect to each other and being unsecured to the burner head so as to be free to move with respect to the burner head, and pack retaining members extending across said slots above and below the edges of said strips and between which said strips may move longitudinally with respect to each other and to the sides of said slots, certain of said retaining members comprising integral bridges extending across the lower edges of said slots intermediate of the ends thereof to support the centrally disposed portions of said packs and a pair of said retaining members comprising flanged bars fastened to the end edges of said burner head with the flanges thereof extending over the ends of said packs, said packs being shorter than said slots so that said strips may be free to expand longitudinally between said flanged members.

2,251,711
ROUND BURNER HEAD
Allen P. Livar, Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application August 24, 1938, Serial No. 226,405
1 Claim. (Cl. 158—116)



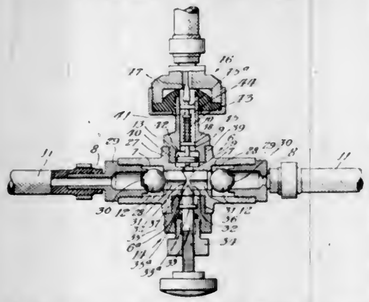
A gaseous fuel burner comprising a head having a fuel inlet and communicating troughs for conducting a fuel mixture, said troughs having lips lying in a common plane and the walls of said troughs forming a plurality of passages through said head for conducting secondary air, a burner plate resting on said lips and covering said troughs and said passages and comprising a transversely corrugated strip of thin metal and a contiguous plain strip of thin metal, said strips being spirally wound to form a foraminous mat having orifices for said mixture and orifices for said secondary air, and means to locate said burner plate on said burner head comprising a spider having a core upon which said strips are wound and radially extended arms loosely engaging the outer edges of said strips.

2,251,712
MEANS FOR SHOOTING OIL WELLS
Orland C. Mays, Kermit, Tex.
Application March 4, 1938, Serial No. 193,818
1 Claim. (Cl. 102—4)



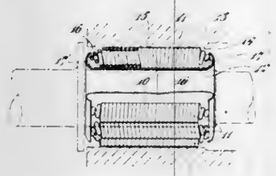
A bomb for shooting oil wells formed through strata of predetermined contrasting characteristics, said bomb comprising a plurality of containers of dimensions permitting them to be freely lowered into the well to be shot, said containers being mounted for suspension one below another in position to dispose the containers in operative relation to the stratas when the bomb is lowered into the well, said containers being of substantially equal capacity and containing an explosive of a predetermined strength according to the strata to be shattered thereby when an explosion occurs, and a detonator in cooperating relation to each container and being of sufficient strength to detonate the respective charges at their maximum rates of expansion.

2,251,713
TIRE-PRESSURE-EQUALIZER AND INFLATER
George H. Meiser, Chicago, Ill.
Application January 29, 1940, Serial No. 316,283
5 Claims. (Cl. 152—415)



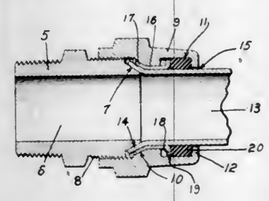
1. A tire-pressure-equalizer device comprising a tubular member for application to the tire valves of a plurality of tires of different pressures, outwardly closing check valves in said member normally checking the escape of pressure from the tires, and controllable means for unseating said check valves in opposition to the pressure in the tires and holding them open.

2,251,714
ROLLER BEARING, PARTICULARLY FOR AIRCRAFT SHOCK ABSORBERS
John Henry Onions, London, England
Application May 20, 1940, Serial No. 336,294
In Great Britain June 21, 1939
11 Claims. (Cl. 308—215)



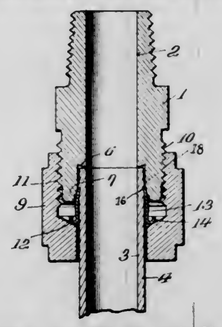
2. A roller journal bearing comprising an inner tubular race, an outer tubular race, and a plurality of rollers composed of helically wound coils, one of said races being formed at each end with a radial flange having an axially directed annular groove within which the ends of the rollers engage and by which they are retained so that the rollers form a unit with the said one race, each of the rollers comprising a plurality of wire helices disposed one inside another and arranged to cooperate in resisting compression of the roller in a diametral sense.

2,251,715
TUBE COUPLING
Arthur L. Parker, Cleveland, Ohio
Application January 26, 1939, Serial No. 252,984
4 Claims. (Cl. 285—86)



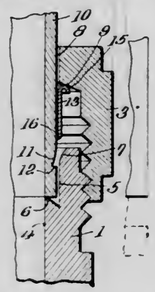
1. In a tube coupling, male and female elements threadably engaged and including opposed coniform male and female clamping surfaces, a tube having a flared end clamped between said clamping surfaces, a clamping ring surrounding the tube within the female element and having a flared portion engaged by the female clamping surface and engaging the flared end of the tube and including an abutment portion, said female element having an annular recess therein surrounding the tube and into which the abutment portion extends and terminating in an abutment portion opposed to the clamping ring abutment portion, and a yieldable ring surrounding the tube in said recess and engaging said abutment portions whereby upon clamping of the tube said yieldable ring is compressed to tightly embrace and yieldably support the tube against vibration strain.

2,251,716
COUPLING FOR TUBES
Arthur L. Parker, Cleveland, Ohio
Application March 20, 1939, Serial No. 262,965
3 Claims. (Cl. 285—123)



2. A coupling for tubes including a coupling member having a bore terminating at its inner end in a seat against which the end of the tube abuts, said member having a camming shoulder at the entrance to the bore, a thin metallic sleeve disposed on said tube, said sleeve at the inner end being tapered and terminating in a relatively sharp cutting edge, a second coupling member adapted to engage said sleeve and move the same against the camming shoulder, said camming shoulder being disposed and shaped so as to contact with the outer face of the sleeve back from and adjacent the cutting edge whereby said sleeve is contracted and the cutting edge positioned for cutting the wall of said tube when forced endwise thereof for securing the tube to the coupling.

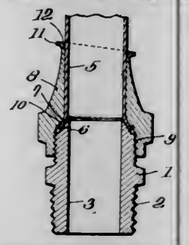
2,251,717
COUPLING FOR TUBES
Arthur L. Parker, Cleveland, Ohio
Application March 29, 1939, Serial No. 264,812
4 Claims. (Cl. 285—123)



1. A coupling for a tube having a groove in its outer surface spaced away from the end of the tube and forming a holding shoulder facing away from the end of the tube, said coupling comprising a coupling member having a bore terminating at its inner end in a seat and having a camming shoulder disposed outwardly from said seat, a thin metallic sleeve disposed on said tube, said sleeve terminating at its inner end in a holding edge, a second coupling member adapted to engage the sleeve and move the same against the camming shoulder, said camming shoulder being disposed relative to the seat and the pre-formed shoulder in the tube so as to contact with the outer face of the sleeve for progressively contracting the sleeve and directing the holding edge into

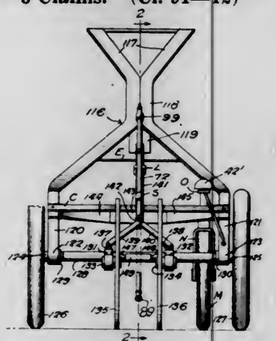
engagement with the shoulder on the tube whereby the end of the tube is held against said seat by pressure longitudinally of the tube.

2,251,718
COUPLING FOR TUBES
Arthur L. Parker, Cleveland, Ohio
Application June 3, 1939, Serial No. 277,266
1 Claim. (Cl. 285—86)



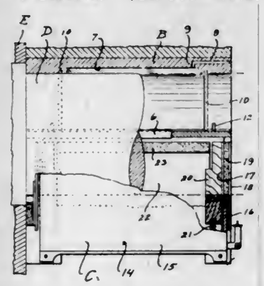
A coupling for metal tubes having the ends thereof flared comprising coupling members having threaded engagement with each other, one of said coupling members having a tapered seat associated therewith adapted to engage the inner face of the flared end of the tube, the other coupling member having a tapered clamping portion adapted to engage the outer face of the flared end of the tube, the inner surface of said last-named coupling from the tapered clamping portion to a line adjacent the outer end thereof being of uniform diameter and adapted to conform closely to the diameter of the tube, said last-named coupling having a relatively thick wall in the region of the clamping surface thereon, said wall gradually decreasing in diameter and terminating at the outer end in a relatively thin edge, thus providing a gradually diminishing rigidity toward the end of said coupling member, the extreme outer portion of said last-named coupling member being gradually curved outwardly on its inner surface to strengthen said edge and to facilitate the entrance of a tube into said coupling member.

2,251,719
ROAD MARKING APPARATUS
Baxter Boone Sapp, Raleigh, N. C., assignor to American Painters, Inc., Raleigh, N. C.
Application August 3, 1938, Serial No. 222,935
3 Claims. (Cl. 91—12)



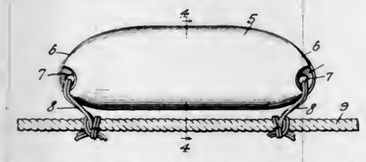
1. Road marking apparatus including a frame, supporting wheels for said frame mounted to rotate about a common axis thereon, a guide rod extending transversely of said frame, lugs slidable on said guide rod, inwardly projecting pivots carried by said lugs, a pair of paint confining disks rotatably mounted on said pivots and movable toward and from each other and for rotation in contact with the surface of a highway about an axis parallel to and spaced apart from the axis of said wheels, and means for simultaneously adjusting said disks toward and from each other comprising an adjusting rod intermediately located with respect to said lugs, and a pair of links connected to said adjusting rod and to said lugs.

2,251,720
BRASS BEARING FOR JOURNALS
Joseph P. Savage, Columbus, Nebr.
Application January 12, 1940, Serial No. 313,617
7 Claims. (Cl. 308—79.1)



1. A crown brass for journals, having a longitudinal lubricant receiving slot in its concaved side terminating short of the ends of the brass, a circumferential groove spaced beyond each end of the slot and opening at the lower edges of the brass, and check notches in the lower edges of the brass beyond the open lower ends of the circumferential grooves.

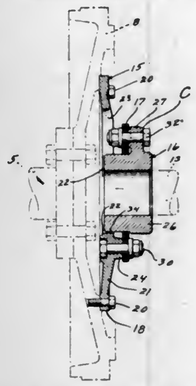
2,251,721
FISH NET FLOAT
Irving L. Shepherd, Elyria, Ohio
Application May 4, 1939, Serial No. 271,776
1 Claim. (Cl. 43—50)



A float adapted to be secured to a fish net, comprising a body portion, said body portion having recesses formed at its ends defining web portions formed with eyes, the recesses and web portions being offset with respect to a median line drawn longitudinally through the body portion, and said eyes adapted to receive securing cords whereby the float may be secured to a fish net.

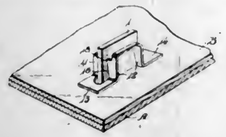
2,251,722
EMERGENCY SUPPORT FOR FLEXIBLE COUPLINGS
Bertha E. Thomas, Warren, Pa., assignor to Thomas Flexible Coupling Company, Warren, Pa., a corporation of Pennsylvania
Application August 8, 1939, Serial No. 289,058
7 Claims. (Cl. 64—13)

1. In a three bearing motor-generator set, said generator having a single bearing, a self-contained flexible coupling unit connecting the shafts of the motor and the generator and provided with concentrically arranged normally



spaced apart emergency supporting surfaces normally having a clearance space which is less than the air gap of the generator.

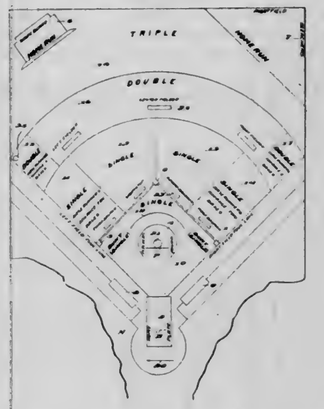
2,251,723
SPRING NUT FASTENER OR THE LIKE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 17, 1940, Serial No. 335,835
23 Claims. (Cl. 85—36)



1. A fastener comprising a sheet metal body having an opening defining spaced side sections and a base, said body being bent to define cooperating securing elements having longitudinal edges in spaced, edge to edge relation and projecting substantially normal to said base, said securing elements being adapted to receive in the space therebetween a connecting stud on a part to be secured with said base of the fastener applied foremost and adapted to be disposed adjacent a member to be secured to said part, and means adjacent the space between said longitudinal edges of the securing elements providing a gripping engagement with said connecting stud in fastening position.

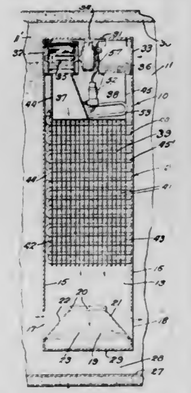
2,251,724
BASEBALL GAME
Karl E. Vogel, Ashland, Ky.
Application February 21, 1940, Serial No. 320,216
2 Claims. (Cl. 273—90)

1. A game comprising a board having a playing surface marked off to represent a baseball diamond including pitcher's mound, first, second and third bases, and home plate, and an outfield divided into a series of scoring zones, a slidable disc adapted to be propelled from the pitcher's mound by one contestant toward home plate, and returned while in motion by an opposing contestant, from home plate toward the outfield, and a series of blocks adapted to serve as disc deflectors and representing infielders and outfielders freely movable on said playing surface and adapted to occupy selected positions thereon, the effective



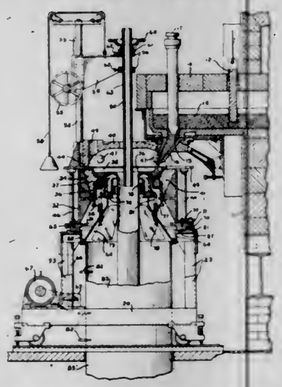
length of the outfield blocks being greater than that of the infield blocks.

2,251,725
AIR FLOW COOLER
Virgil P. Warren, Miami, Fla., assignor to The Warren Company, Incorporated, Atlanta, Ga.
Application October 10, 1939, Serial No. 298,854
2 Claims. (Cl. 62—102)



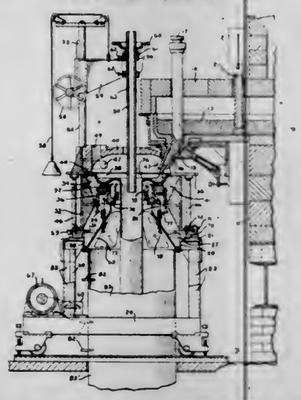
1. An air flow cooler comprising in combination an elongated shallow housing having side and front walls and adapted to be positioned against the inner wall of a cooling chamber, an air inlet adjacent the top of a side wall, suction means for inducing air through said inlet in a very slow draft; downwardly directed conduits for said induced air, a conduit for a cooling medium arranged in coils with straight stretches thereof extending transversely of the housing, vertically extending spaced baffles with the outermost baffles spaced from the side walls of the housing and through which baffles said straight stretches of the coil extend and between which the induced air is discharged with the bends of the coil positioned between the side walls of the housing and the outermost baffles, outlet openings in the side and front walls of the housing adjacent the bottom thereof, and a deflector adjacent said outlet openings to dispense descending cool air through said openings.

2,251,726
METHOD OF MANUFACTURE OF FOLIATED GLASS
Edmund H. Wellech, Corning, and Walter C. Weber, Painted Post, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 25, 1937, Serial No. 144,712
8 Claims. (Cl. 49—79)



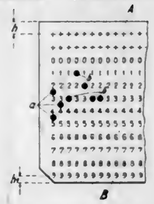
1. The method of producing foliated glass, which includes flowing low viscosity molten glass into the form of a thin annular stream and blowing a cooling medium into the stream at a pressure and volume sufficient to effect setting of the glass and the breaking up thereof into foliated form.

2,251,727
APPARATUS FOR THE MANUFACTURE OF FOLIATED GLASS
Edmund H. Wellech, Corning, and Walter C. Weber, Painted Post, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Original application May 25, 1937, Serial No. 144,712. Divided and this application February 18, 1938, Serial No. 191,294
5 Claims. (Cl. 49—1)



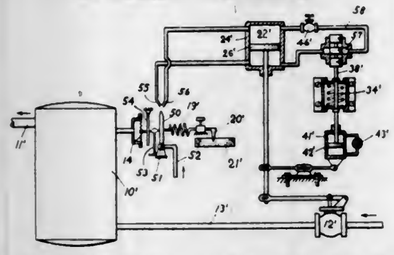
1. In a glass working apparatus for the production of foliated glass, a bowl having a bottom outlet surrounded by an annular curb over which low viscosity glass flows in the form of a cylinder, an enclosure for the cylinder, and means including a device for directing a stream of fluid into said enclosure in a direction transverse to the direction of flow of the cylinder for breaking away the lower end of the cylinder from the parent body.

2,251,728
CARD FOR PUNCHED-CARD ACCOUNTING MACHINES
Renzo Aldo Artana, Turin, Italy
Application November 2, 1938, Serial No. 238,494
In Italy May 7, 1938
2 Claims. (Cl. 235—61.12)



1. A method for preparing cards of the type heretofore in use for punched-card accounting and tabulating machines, by transforming said cards into cards capable of being used a second time, which method comprises cutting away along one of the long edges of the card a strip having a width equal to half the distance between two horizontal rows of positions whereby a new field of positions having the normal distance from the edge from which the said strip has been cut away will be available.

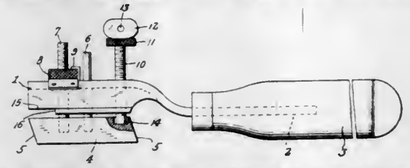
2,251,729
CONTROL DEVICE
Gustav Bach, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application April 27, 1937, Serial No. 139,330
In Germany February 1, 1935
10 Claims. (Cl. 121—41)



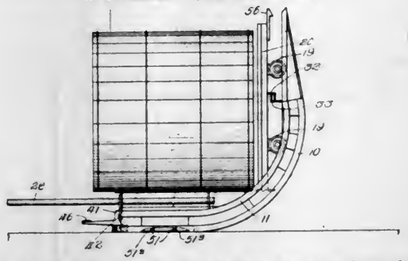
1. Control device comprising, in combination, a single-acting servo-motor; a source of pressure fluid; a relay connected to control in response to an outward impulse a flow of pressure fluid for operating said servo-motor; a dash-pot having a by-pass connection, the dash-pot being connected to be moved by said servo-motor; a three-way valve connected to be actuated by said dash-pot for venting pressure fluid from said servo-motor upon a supply to the motor from the relay, and for admitting, respectively, to said motor pressure fluid upon a venting by said relay of pressure fluid from said motor; and a spring tending to normally maintain said three-way-valve in a neutral, closed position.

2,251,730
SAFETY HAND VISE
Leo W. Caldwell, San Diego, Calif.
Application May 23, 1940, Serial No. 336,869
1 Claim. (Cl. 81—18)

A tool of the class described comprising a handle, an angle iron jaw, for the reception of round work, mounted longitudinally on said handle, said jaw having recesses in the forward end portions of its longitudinal edges for the reception of flat work, stop shoulders at the rear ends of the recesses engageable with the flat work, a movable jaw, and means for adjusting said movable jaw toward the stationary jaw for clamping the work therebetween.

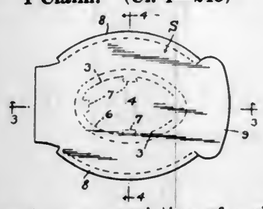


2,251,731
TOBACCO HANDLING DEVICE
Edwin G. Daniels, Chicago, Ill., assignor to Guardite Corporation, a corporation of Illinois
Application June 14, 1939, Serial No. 279,182
2 Claims. (Cl. 214—130)



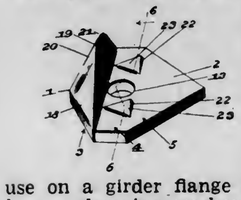
1. A device of the character described, including: two parallel vertically disposed quadrant rockers adapted to be rocked on a support through an arc of substantially ninety degrees from load receiving position to vehicle receiving position, and vice versa; extensions at one end of the rockers with load supporting means lying close to said support and adapted to receive a load thereon, when the device is in load receiving position; extensions at the other end of the rockers with runways lying close to said support and adapted to receive a vehicle thereon when the device is in vehicle receiving position; and means for securing a vehicle on the runways; whereby, the device with a load and vehicle thereon may be rocked from load receiving position to vehicle receiving position to transfer the load to the vehicle.

2,251,732
SANITARY TOILET SEAT COVER
Lenora May Earle, New Philadelphia, Ohio
Application September 19, 1939, Serial No. 295,692
1 Claim. (Cl. 4—243)



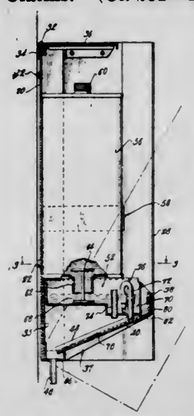
A toilet seat cover consisting of a single sheet having a centrally disposed apron of generally oval shape, said apron being defined from the remainder of the sheet except at the forward end of the cover by a weakened line, said weakened line consisting of a series of longitudinally spaced arcuate sections, said weakened line having dovetail portions of trapezoidal shape connecting adjacent ends of the arcuate portions to provide tongues extending into the apron and interlocking therewith and thereby resisting separation of the apron from the remainder of cover along the weakened line.

2,251,733
CLAMPING WASHER
Leon M. Frost, Battle Creek, Mich.
Application April 9, 1940, Serial No. 328,790
6 Claims. (Cl. 189—35)



1. For use on a girder flange and superimposed timber, a clamping washer comprising a washer plate having a hole for a bolt driven through the timber to secure said plate, a portion of said plate at one side of the hole being engageable with the flange, another portion of said plate extending free beyond the margin of the flange, means on said free portion of the plate being of a height in excess of the thickness of the flange thereby to penetrate the timber and anchor said plate from turning, and means on said plate to space the hole clear of the flange edge, also being adapted to penetrate the timber in the event of the flange being of less thickness than the height of said last means.

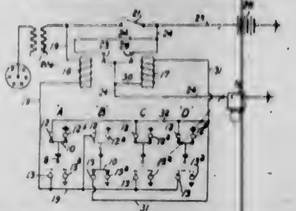
2,251,734
DIFFUSION AND DRIP APPARATUS
Melvin Fuld, Baltimore, Md., and Alfonso M. Leoni, Beachwood, N. J.; said Leoni assignor to said Fuld
Application July 20, 1939, Serial No. 285,613
12 Claims. (Cl. 261—103)



1. Diffusion and drip apparatus for diffusing deodorant material over an area and supplying liquid to a plumbing installation, comprising a casing open at its upper and lower ends to pro-

mote natural circulation, a pan within said casing adapted to hold a body of liquid, an inclined tray within said casing arranged immediately below said pan and defining therewith a constricted throat, means for feeding liquid from said pan to said tray, and a normally open drip outlet near the lower end of said tray for discharging liquid from said casing to said plumbing installation.

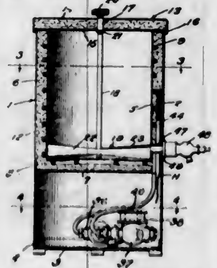
2,251,735
THEFT PREVENTION APPARATUS
Hance Robert Arthur Goleby, Ashfield, near Sydney, New South Wales, Australia
Application August 12, 1939, Serial No. 289,834
In Australia March 17, 1939
3 Claims. (Cl. 177—314)



1. A theft prevention apparatus for automobiles including a battery, an ignition circuit connecting said battery with an ignition coil, and an ignition switch in said ignition circuit, said apparatus comprising a first electric circuit having one terminal connected in said ignition circuit between said ignition switch and ignition coil, said first circuit comprising a first relay and a first series of contact pairs, said contact pairs being arranged in shunt with each other, a second circuit through an electrically operated alarm device, said second circuit having one terminal connected to said ignition circuit between said ignition switch and battery and including a first normally open contact controlled by said first relay, a third circuit having one terminal connected in said second circuit between said first normally open contact and said alarm device, said third circuit including a second relay and a second series of contact pairs, the latter being arranged in shunt with each other, a lead to short-circuit said first normally open contact, said lead containing a second normally open contact controlled by said second relay, and a number of two-way switches each adapted to bridge in one end position thereof a contact pair of said first series and to close in its opposite end position a contact pair of said second series.

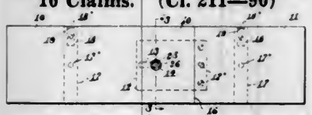
2,251,736
COUNTER COOLER
Budd Aller Hill, Dallas, Tex., assignor to Counter Cooler Company, Dallas, Tex., a corporation of Texas
Application February 9, 1940, Serial No. 318,187
4 Claims. (Cl. 62—141)

1. Counter cooler comprising a casing having an intermediate, transverse partition, a receptacle within the upper part of said casing of smaller diameter than said casing and spaced from the walls thereof and from said partition, an evaporator coil within said space wrapped about said receptacle in close heat exchanging relation thereto, the liquid and suction ends of said coil extending below said partition and being adapted to be coupled respectively to the liquid and suction limbs of any Carnot type refrigeration system, said casing below said partition defining a chamber for the operative controls of said cooler, including an expansion valve at the liquid end of said coil and a thermostatically controlled valve at the suction end whereby the admission of liquid refrigerant to



said coil by said expansion valve is indirectly controlled, and a thermostatic bulb above said partition in heat exchanging relation to the suction end of said coil operatively connected to said thermostatically controlled valve.

2,251,737
SHELF
Frances M. Johnson, Boston, Mass., assignor of one-half to John A. Clark, Quincy, Mass.
Application February 2, 1940, Serial No. 316,947
10 Claims. (Cl. 211—90)



10. A wall shelf comprising two flat rectangular parts of equal thickness and width, means normally holding said parts in the same plane flatwise thereof, said means embodying a pivotal and extensible connection between end portions of said parts whereby the end of one part may be swung around the other part so as to clear the corners thereof and abut against either the end, or the front, or rear edge of the other part, and means for locking said parts together in abutting relation to each other and in the same plane in any one of said adjusted positions.

2,251,738
LUBRICATING OIL
Bert H. Lincoln, Ponca City, Okla., and Alfred Henriksen, deceased, late of Ponca City, Okla., by John W. Wolfe, administrator de bonis non, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application August 24, 1938, Serial No. 226,472
6 Claims. (Cl. 252—54)

1. A lubricating composition including a major proportion of a lubricant base and a minor proportion of a chloro phthalic acid.

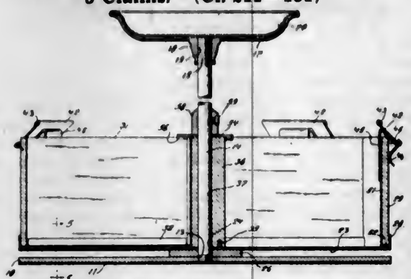
2,251,739
METHOD AND APPARATUS FOR INSPECTING TUBING
Fritz Huntsinger, Ventura, Calif.
Application May 4, 1938, Serial No. 205,963
9 Claims. (Cl. 88—71)

1. In apparatus for discovering flaws in the inner face of the wall of a rotary well drilling tube, the combination of an elongated barrel, a lamp and a reflector carried by the inner end of the same, means for rotatably supporting the barrel and for guiding the same into the tube to be inspected, yielding sleeves tapered at their



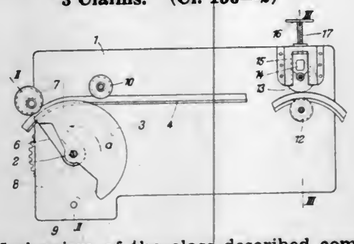
forward ends for entering the tube, and for centering the barrel within the tube, and telescope means at the outer end of the barrel for viewing a reflection of the wall face upon the reflector.

2,251,740
ARTICLE DISPLAY DEVICE
Harry Konikoff, Far Rockaway, N. Y.
Application April 5, 1940, Serial No. 327,983
5 Claims. (Cl. 211—131)



1. A rotary display device comprising a substantially circular housing formed of transparent material, a base member supporting said housing, a centrally disposed journal member mounted on the base member and having a bore therein, a plurality of radially disposed partitions engaging the inner surface of the housing at their outer ends and the journal member at their inner ends thus forming a plurality of compartments open at their upper ends, said journal member having a plurality of spaced vertical recesses receiving said inner ends, a shaft positioned within the base and forming a support for said display device, a plate mounted on said shaft above the partitions and having a plurality of recesses therein which receive the upper edges of said partitions.

2,251,741
MECHANISM FOR PRODUCING CURVED METAL ARTICLES
Robert Körting, Kochstedt, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application April 9, 1938, Serial No. 201,086
In Germany May 31, 1937
3 Claims. (Cl. 153—2)



1. Mechanism of the class described comprising, in combination, an abutment, a second abutment spaced therefrom and having a face shaped to the cross-sectional shape of the metal strip to be bent, a curved bending templet having one face cooperable with the face of said shaped abutment, a circular saw positioned adjacent the passage between said abutments in longitudinally offset relation thereto, the face thereof lying in a plane substantially parallel to that in which the abutments lie, means for moving the periphery of said saw toward and away from the line of passage, and means for passing said templet together with the sheet metal strip in either direction between said abutments whereby the latter may be bent in conformity with the templet curve during passage in one direction and severed longitudinally by the adjusted saw on its return passage.

2,251,742
MEANS FOR RECORDING SIGNALS ELECTRICALLY
Bernard L. Kline, Manhasset, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 31, 1935, Serial No. 38,835
14 Claims. (Cl. 204—2)



14. A recording blank comprising an electrically conductive support, said conductive support having in intimate contact therewith, over the recording surface of the blank, a coating of a recording medium comprising lead thiosulphate, whereby when electrical signaling potential is applied to selected areas of said recording surface of the blank a color change will occur in said selected areas of said recording surface, said conductive support being of a contrasting color to said recording medium, and said coating of recording medium being sufficiently thick to substantially mask said conductive support.

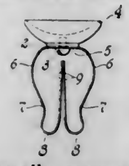
2,251,743
MANUFACTURE OF ORTHO-PHENOXY-BENZOIC ACID
William A. Knapp, New York, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application December 26, 1939, Serial No. 311,005
13 Claims. (Cl. 260—520)

1. The method of converting ortho-phenoxy-phenyl-benzoate to ortho-phenoxy-benzoic acid, which comprises heating the ortho-phenoxy-benzoate with water in the presence of a small amount of a hydrolytic agent compared with the amount of ortho-phenoxy-phenyl-benzoate present in the conversion zone.

2,251,744
SPRING CLIP
Ernst Kurath and James F. Campbell, Milwaukee, Wis.
Application May 17, 1940, Serial No. 335,668
3 Claims. (Cl. 24—259)

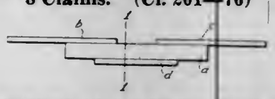
3. A spring clip comprising a strip of resilient material bent symmetrical relative to its transverse center line, each half having a first section extending from the center through an arc somewhat more than 90 degrees and having a radius substantially equal to half the width of said clip, the adjoining section extending through an arc of less than 90 degrees in the reverse direction and a third section extending through an arc of

substantially 180 degrees in the first named direction, the extreme ends of said halves being



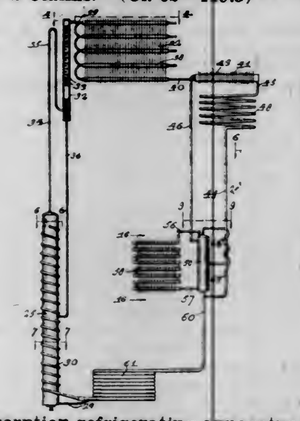
straight and normally converging towards each other at an angel whose apex is adjacent to the center of the clip.

2,251,745
METHOD FOR MANUFACTURING SEMICONDUCTING RESISTORS
Wilhelm Lehfeldt, Berlin-Siemensstadt, and Holger Lueder, Lochham, near Munich, Germany, assignors to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany
Application December 23, 1938, Serial No. 247,382
In Germany December 18, 1937
8 Claims. (Cl. 201—76)



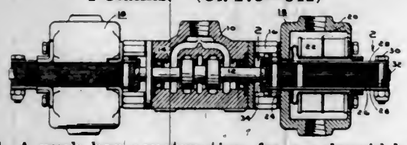
1. The method of producing semi-conductive precision resistors from metal oxygen compounds whose conductivity depends on their oxygen content, which comprises admixing to a substance consisting substantially all of said compound an amount of 0.05% to 10% of substance selected from the group consisting of alkali and alkaline earth compounds, and shaping and sintering the mixture.

2,251,746
ABSORPTION REFRIGERATION SYSTEM
Horace L. Lescarbeau, Montreal, Quebec, Canada
Application March 17, 1939, Serial No. 262,425
2 Claims. (Cl. 62—119.5)



2. In absorption refrigerating apparatus a generator, a condenser arranged at a level above the generator, a vertically elongated rectifier shell, a vapor conduit having communicative connection with the generator and connecting with the rectifier shell at a point in the lower portion above the bottom end, a drain conduit connecting with the generator and having its upper portion projecting through the bottom of the rectifier shell and its top end opening therein above the connection of the vapor conduit, and a conduit connecting the upper part of the rectifier shell with the condenser.

2,251,747
PUSHER-TYPE SOLENOID
Clifford V. Losey, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 6, 1939, Serial No. 260,118
4 Claims. (Cl. 175—341)



1. A push bar construction for a solenoid having a stationary field core and a movable armature comprising a pair of straight, flat straps of non-magnetic material adapted to be secured to two opposite sides of the armature at one end of the straps, the opposite end of the straps extending beyond the field core and carrying a pusher plate of wear-resisting material, said pusher plate having a pair of slots formed in its back face and spaced from the edges of the plate by approximately the thickness of a strap, and means for clamping the sides of said slots together to engage the flat sides of the straps inserted therein.

2,251,748
COMPOSITION FOR TREATING AQUEOUS FLUIDS
Rowland R. Magill, Webster Groves, Mo., assignor to Hubert E. Howard, Chicago, Ill.
No Drawing. Application August 12, 1939, Serial No. 289,787
1 Claim. (Cl. 252—181)

A material for treating aqueous fluids, which material comprises approximately 70 per cent finely divided coal, approximately 20 per cent sodium aluminum tannate, approximately five per cent ammonium ferrous sulphate and approximately five per cent magnesium tannate.

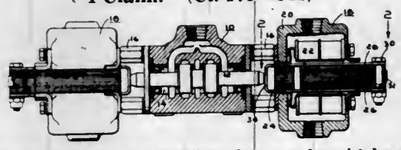
2,251,749
DENTAL APPLIANCE
Herbert Mandus, Brooklyn, N. Y.
Application March 1, 1941, Serial No. 381,233
6 Claims. (Cl. 32—17)



4. A dental appliance of the character de-

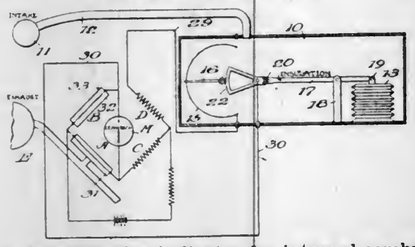
scribed, comprising an arcuate frame conforming with the configuration of the outer wall of a wax bite and adapted to be detachably secured to said outer wall and liquid injecting means secured to said frame and including a tube for feeding the liquid around said wax bite into the mouth of the patient.

2,251,750
PUSHER-TYPE ELECTROMAGNET
Raymond S. Miller, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application March 6, 1939, Serial No. 260,095
1 Claim. (Cl. 175—341)



A push bar construction for a solenoid having a stationary field core and an armature translatable along the solenoid axis toward the field core when the solenoid is energized, said armature comprising a laminated core and a load-operating connection consisting of a one-piece, U-shaped, fatigue-resisting, non-magnetic strap of beryllium copper, said strap being bent from flat stock and having the legs of the U embracing two opposite sides of the laminated core and having the ends of the legs secured thereto, the opposite ends of the legs extending across the field core and united by a flat portion intermediate the legs of the U and perpendicular thereto, said flat portion forming an impact-receiving pusher face on the side of the field core opposite the armature for operating a load.

2,251,751
COMBUSTION GUIDE FOR AIRCRAFT ENGINES
Clarke C. Minter, East Orange, N. J., assignor to Breeze Corporations, Incorporated, Newark, N. J., a corporation of New Jersey
Application October 29, 1937, Serial No. 171,802
6 Claims. (Cl. 73—51)

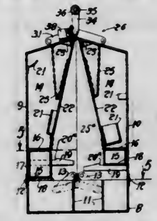


1. A combustion indicator for internal combustion engines comprising a Wheatstone bridge having in one of its branches a variable resistance responsive to changes in the pressure of air and fuel in the intake of the engine, a pressure operated mechanism responsive to variations in said pressure for causing said resistance to so respond, said bridge having in another and opposed branch a resistance responsive to changes in the temperature of the exhaust gases of said engine, a null point electrical meter connected across said bridge for registering unbalance of said bridge when the same is affected by changes in either of said variable resistances.

2,251,752
SIZED REGENERATED CELLULOSIC PELLICLE
James A. Mitchell, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 23, 1938, Serial No. 221,020
21 Claims. (Cl. 91—68)

1. The process which comprises spraying a thin, plain, transparent, softened, regenerated cellulosic pellicle with a solution consisting of 16 parts stearic acyloin dissolved in 1000 parts of toluene, at such a rate that approximately 10 grams of solution are applied per square meter of surface, and thereafter drying.

2,251,753
PORTABLE TOOL CASE
John C. Newton, Oak Park, Ill.
Application February 17, 1938, Serial No. 190,945
8 Claims. (Cl. 206—16)

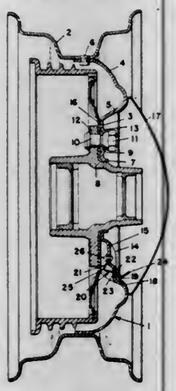


1. A tool case comprising, in combination, a rectangular box-like base section open at the top, complementary box-like side sections hinged to opposite sides of the base section to open outwardly and effective to completely cover the base section when closed together, said base section and said side sections forming compartments for the storage of tools, a swinging tool supporting member hinged to each side section to cover the compartment of the associated section when in closed position and to open toward the center of the case, means for limiting the opening movements of the side sections effective to hold the sections when opened in a position so as to expose whatever tools that may be stored in the base section or retained on the outer sides of said supporting members, and means for limiting the opening movements of said supporting members effective to hold the members when opened in a position to expose tools which may be retained in the compartments of the side sections and on the inner sides of the members.

2,251,754
VEHICLE WHEEL
James W. Pattison, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 10, 1936, Serial No. 95,231
6 Claims. (Cl. 301—108)

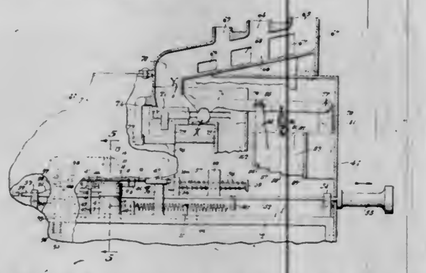
1. In a vehicle wheel, the combination with a wheel body having inner and outer portions and a generally axially extending annular portion connecting said inner and outer portions, said inner portion having an annular series of bolt receiving holes and portions between said holes embossed in an outboard direction, said embossed portions having axially inwardly projecting ribs, of means for detachably securing a cover plate to said wheel body comprising a resilient clip secured to the inboard side of one of said ribs and extending through said inner portion and termi-

nating beyond the outboard side of the latter adjacent said annular portion for engagement with



a cover plate, said clip having a U-shaped portion.

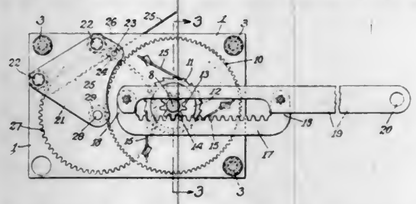
2,251,755
COIN HANDLING APPARATUS
William G. Peters, Oak Park, Ill., assignor to Richard Groetchen, Chicago, Ill.
Application January 11, 1939, Serial No. 250,389
7 Claims. (Cl. 133—2)



1. In combination in a mechanism of the class described, means for receiving, storing and discharging coins, said means comprising an operating slide, manual means for moving it in one direction and means for returning it to its original position, movable stop means for limiting the movement of said slide in one direction, stop positioning means operatively connected to said slide for positioning said stop during the initial movement of said slide towards said stop, a coin carrier associated with said slide and comprising an assembly having a coin carrying section formed to provide a plurality of coin receiving pockets, and carrier driving means to be moved by said slide and having carrier engaging means, means comprising a lost motion connection between said carrier driving means and said slide whereby said carrier remains stationary during the stop positioning movement of the slide, and means for discharging coins from said carrier.

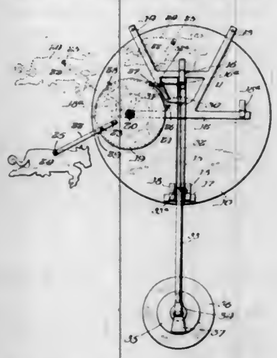
2,251,756
MOTION CHECKING MEANS
William G. Peters, Oak Park, Ill., assignor to Richard Groetchen, Chicago, Ill.
Application December 18, 1939, Serial No. 309,862
4 Claims. (Cl. 192—143)

1. A ratchet mechanism including a shaft, a pair of pinions rigidly mounted and a member rotatably mounted thereon, an over-running clutch between the shaft and the member, a rack including an operating handle lying between, and guided by the pinions and supported upon the



shaft, a pair of rack bars, depending downwardly from opposite sides of the handle, one in mesh with each of the pinions on the side thereof farthest from the point of engagement of the shaft and handle.

2,251,757
AMUSEMENT DEVICE
John A. Rose, Palatine, Ill.
Application December 23, 1940, Serial No. 371,329
7 Claims. (Cl. 273—102.1)



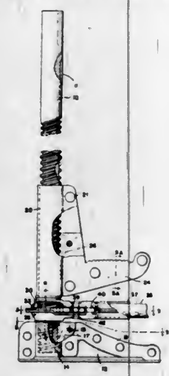
1. An amusement device comprising, in combination, a frame, a disc mounted thereon representing the moon, a second disc rotatably mounted on said frame, means whereby said second disc is rotated, an arm on said second mentioned disc, a figure on said arm representing a cow, a pivotally mounted tripping arm, a target on said tripping arm, and connecting means between said tripping arm and the said latch.

2,251,758
COLLAR
Wilton Rubinstein, Clayton, Mo., assignor of one-half to Wilton Rubinstein, as trustee, and Edward Greensfelder as cotrustee for Blanche Rubinstein, Louise Rubinstein, Ann Rubinstein, and Peggy Rubinstein
Application June 19, 1939, Serial No. 279,810
5 Claims. (Cl. 2—131)



1. In a turned down collar composed of a band, and a cape stitched to the band, and each including an exposed ply and an infold ply, said collar having a curved longitudinal fold line defining the band from the cape; a flat and unfolded tape on the concealed side of the infold ply of the cape extending longitudinally along said fold line and downwardly into the band and cape between said exposed and infold plies, a curved longitudinal line of stitches attaching said tape to said infold ply along the band side of said fold line and above the stitching attaching the cape plies to the band plies of the collar, a cape lining section having a curved upper edge wholly within the cape and parallel with said line of stitches and overlapping the cape margin of said tape, and a curved line of zigzag stitches crossing the edge of said lining section and seating against the surfaces of said infold ply and said lining section and having one side extending through said tape and said infold ply above and along the upper edge of said lining section and having its other side extending through said lining section and said infold ply below the lower edge of said tape.

2,251,759
LIFTING JACK
Walter S. Saunders, Pontiac, Mich., assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application January 2, 1940, Serial No. 312,030
3 Claims. (Cl. 254—98)

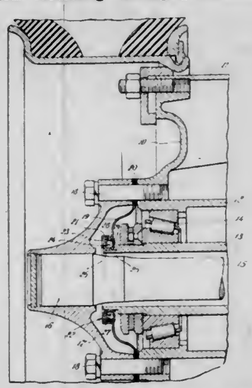


2. A lifting jack comprising a base of substantially rectangular form having a socket located near one end thereof, keying means carried by the base and projecting into the socket, a screw shaft adapted to be slidably fitted into and supported by the socket, said shaft having a cooperating keyway therein extending longitudinally upwardly in a substantially straight line, the lower end of said key-way receiving said keying means, which thereby holds the shaft against turning, a cage slidable along the shaft, a keying portion carried by the cage and projecting into the keyway to prevent rotation of the cage with respect to the shaft and base, and jacking means for forcing the cage upwardly

---

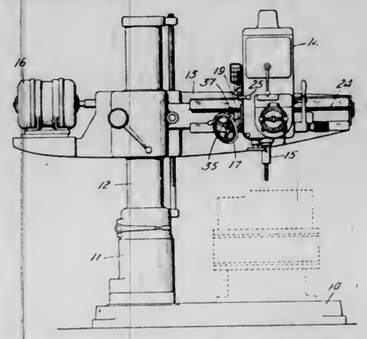
2,251,760
WHEEL BEARING SEAL
Gordon M. Schantz and Eric H. Schwenn, Allentown, Pa., assignors to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware
Application February 3, 1940, Serial No. 317,064
3 Claims. (Cl. 308—36.1)

1. In a wheel drive comprising an axle housing, a drive shaft in the housing, a wheel, means including a bearing to journal the wheel on the housing and a cap connecting the drive shaft to the wheel; means to seal the bearing from the interior of said housing comprising a wear member, said housing being provided with an



extension presenting a cylindrical surface closely adjacent and surrounding said shaft, means to support said wear member in position to bear radially against said cylindrical surface, and said last named means being mounted for movement with said cap.

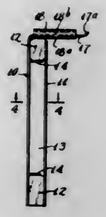
2,251,761
SPACING MECHANISM FOR MACHINE TOOLS
Lawrence Lee Schauer, Wyoming, Ohio, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio, a corporation of Ohio
Application October 17, 1939, Serial No. 299,839
9 Claims. (Cl. 77—64)



1. A spacing device for a machine tool having ing an arm member and a tool carrying member adjustable therealong comprising a tootned element rotatably supported by one of said members, said toothed element having two sets of teeth thereon lying in different planes and with the teeth of one set oppositely facing the teeth of the other set; an axially movable latch plunger having a projecting abutment portion offset from its axis and positioned normally in cooperative relation with the teeth of one of said two sets of teeth of the said toothed element; a relatively stationary bracket secured to one of said members for supporting said plunger in said cooperative relation; means for rotating said axially movable plunger about its own axis to bring the abutment portion thereof into the plane of either

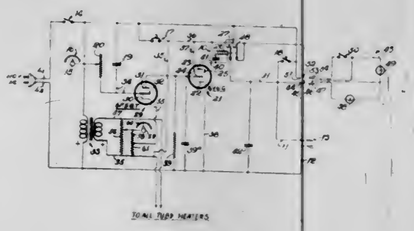
of said sets of teeth electively; and means for removing and locking said abutment portion out of cooperative relation with the teeth of both of said two sets.

2,251,762
GALLEY IDENTIFICATION HOLDING DEVICE
Joseph J. Schimmel, New York, N. Y.
Application August 28, 1940, Serial No. 354,468
7 Claims. (Cl. 40—10)



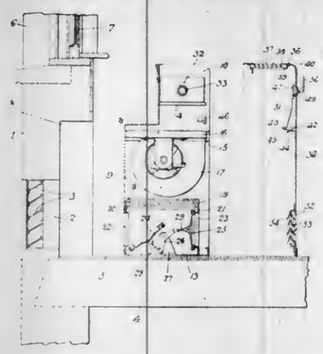
2. A galley identification holding device, comprising a sheet metal body of substantially U-shape having its bottom formed with an opening extending to a short distance of the ends thereof, one of the ends of the arms of said U-shape continuing into a laterally extending jaw portion for engaging one face of the side wall of a galley tray, the bottom of said U-shape continuing into an inverted U-shaped portion the arms of which straddle said jaw portion forming a complementary jaw portion for engaging the other face of the side wall of said galley tray, and end lugs upon the ends of the opening in the bottom of said U-shape body and extending upwards to substantially the top edge of the side arms of the body.

2,251,763
ELECTRICAL TIMER
Russell L. Schoene, Evansville, Ind.
Application January 30, 1940, Serial No. 316,454
2 Claims. (Cl. 250—27)



2. An electrical timer comprising, in combination, a condenser, a variable leakage resistor connected in shunt with said condenser, first and second vacuum tubes each having a cathode, an anode and a control grid, said first vacuum tube having a high amplification factor and said second tube having a low plate resistance, a load device connected between the cathode and anode of said second tube for energization by the output of said second tube, means for biasing the grid of said second tube to cut-off in response to a predetermined output current from said first tube, means for connecting said condenser to a source of charging current through said grid and cathode of said first tube to charge such condenser, and switching means for disabling said last named means from supplying further charging current to said condenser and for simultaneously, not only connecting said anode and cathode of said second tube across a source of potential, but for also connecting said condenser across the grid and cathode of said first tube, to thereby apply a negative biasing potential to said last mentioned grid which diminishes gradually as the condenser charge leaks off through said resistor until said first tube is rendered conductive after a time interval determined by the setting of said variable resistor.

2,251,764
HOUSING
John H. Shrock, La Porte, Ind., assignor to Mechanovent Corporation of Indiana, La Porte, Ind., a corporation of Indiana
Application December 31, 1938, Serial No. 248,849
1 Claim. (Cl. 98—39)

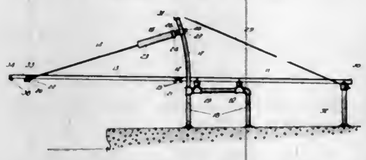


In combination, an air treating apparatus suitable for insertion in a recess in a fixed room wall, which recess is in communication with the exterior of the building of which the wall member forms a part, a chassis including a portion formed to penetrate the recess and a portion formed to abut against the inner face of the wall exterior to said recess passage, means on the chassis adapted for communication with a passage through the wall, a fluid connection between said chassis and said wall, said chassis being open on the portions away from said fixed room wall, supports on said chassis adapted to receive operating elements positioned upon said chassis and inserted through said open portion thereof, and a removable housing for said chassis, said housing extending about and above said chassis and enclosing the exposed portions thereof, and forming with said fixed room wall a complete closure for said chassis, said chassis and said housing being both independently supported upon the floor of the room in which they are located, the fluid connection of the chassis constituting the sole connection between the chassis and the wall, said housing including air inlet and outlet passage elements aligned with appropriate portions of the chassis, means in said passage elements for controlling the passage of air therethrough, and externally operable readily disconnectible means for securing said housing in relation to said chassis.

2,251,765
ESTERS OF MALEIC ACID AND UNSATURATED ALCOHOLS
Ben Edmund Sorenson, Upper Darby, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 17, 1940, Serial No. 335,790
11 Claims. (Cl. 260—485)

1. The process which comprises reacting an alkyl ester of a lower alpha-beta unsaturated dicarboxylic acid and a lower olefinic monohydric alcohol in the presence of aluminum.

2,251,766
DIVING BOARD
John L. Stark, Cedar Rapids, Iowa
Application April 2, 1940, Serial No. 327,397
5 Claims. (Cl. 272—66)



1. In a diving board, a fixed platform, a substantially rigid "spring-board" member, means for hingedly connecting the spring board to the platform, stanchion members, and resilient means disposed between the stanchion members and the end of the spring board opposite the hinge means to afford support and spring to the "spring-board."

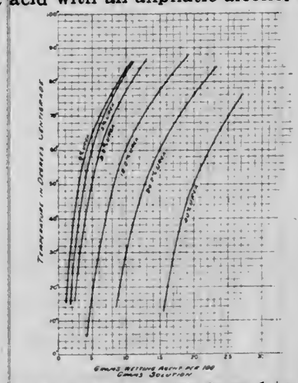
2,251,767
WASHING STRIP BRUSH
Alfred Steiner, Brooklyn, N. Y.
Application February 1, 1940, Serial No. 316,781
1 Claim. (Cl. 15—222)



In a washing strip brush having a cloth back with a group of relatively long fibers projected beyond the top face of said cloth back forming bristles, warp and weft threads woven into a sheet of soft flexible material superimposed upon said sheet of material and having the ends of said fibers extending upwards between the threads of said upper sheet of material for reducing the operative length of said bristles, and means for releasably attaching said sheets of material together, whereby the life of said brush may be increased when the ends of said bristles become worn away by removing said top sheet of material to increase the operative length of the bristles.

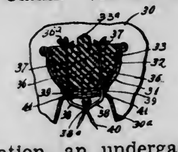
2,251,768
WETTING AND DETERGENT COMPOSITION
Robert C. Swain, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application September 29, 1938, Serial No. 232,375
5 Claims. (Cl. 252—161)

1. A wetting and detergent composition comprising one part by weight of an ester of sulfosuccinic acid with an aliphatic alcohol of 5 to 10



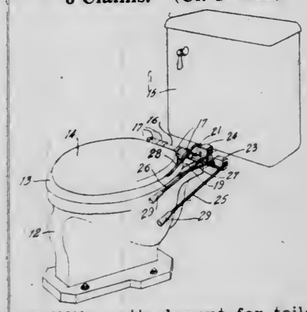
carbon atoms, together with from 1 to 3 parts by weight of urea as a solubilizing agent therefor.

2,251,769
SUPPORTER IN UNDERGARMENTS
Samuel Wald, New York, N. Y.
Application October 20, 1939, Serial No. 300,338
1 Claim. (Cl. 128—159)



In combination, an undergarment having a crotch with openings therethrough, a pouch formed of waterproof material, an absorbent pad, and means removably mounting said pad in said pouch and removably mounting said pouch in said crotch, comprising a pair of strings, means mounting one end of each of said strings on the inner surface of said pouch whereby the free ends of said strings may be tied around said pad, a second pair of strings, and means mounting one end of each of said second pair of strings on the outer surface of said pouch immediately opposite the first-mentioned means whereby the second pair of strings may be engaged through the openings in said crotch and tied, whereby to hold said crotch, said pad, and said pouch in substantially fixed relationship.

2,251,770
LIFT FOR TOILET SEATS
Robert B. Warner, Denver, Colo.
Application August 3, 1940, Serial No. 350,784
3 Claims. (Cl. 4—251)



1. A lid lifting attachment for toilet bowls of

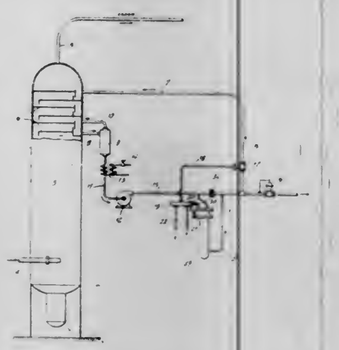
the type having hinge studs extending downwardly through an apron on the bowl comprising: an elongated bar having openings for the reception of said hinge studs so that it may be clamped in place by the latter; a bearing member supported by said bar; a handle member rotatively mounted in said bearing member; a lever arm actuated by said handle member to lift the lid from said bowl; a horizontally extending extremity on said lever arm; and a clip secured to the lid of said bowl for receiving said extremity.

2,251,771

METHOD OF AND APPARATUS FOR SELECTING FRACTIONS FROM FRACTIONATING CONDENSERS

Glenn E. Wynn and Robert G. Huggins, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

Application June 17, 1939, Serial No. 279,628
15 Claims. (Cl. 202—40)



1. In the art of selecting predetermined fractions from fractionating condensers, the method of selecting a fraction having a predetermined gravity which comprises subjecting the vapors in the condenser to variable cooling so as to condense selected portions of the vapors, discharging a continuous stream of the resultant condensate from the condenser, constantly testing said continuous stream to ascertain the gravity thereof while it is flowing from the condenser, and transmitting energy from the testing means to the variable cooling means, so as to regulate the cooling in accordance with the gravity of said continuous stream.

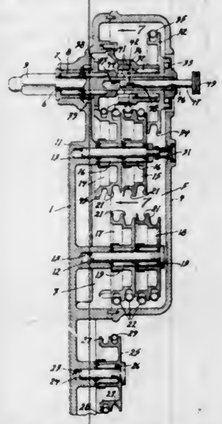
2,251,772

REEL DRIVE

John G. Zuber, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application July 13, 1939, Serial No. 284,280
4 Claims. (Cl. 242—55)

1. In a reel drive the combination with a revoluble reeling member, of a plurality of belt and pulley drives sequentially connected in series to drive said reeling member, each drive comprising a pair of revoluble pulleys provided with tapered belt grooves and an endless coiled spring belt trained thereabout and engaged in said grooves, one of said pulleys being coaxial with said reeling member and others of said pulleys being arranged in two series of coaxial pulleys both spaced from said reeling member, and a pulley of each pair being angularly fixed with a coaxial pulley



of another pair to provide the sequential drive connection of said drives.

2,251,773

SOLVENT TREATMENT OF HYDROCARBON OILS

Meyer S. Agruss, Chicago, and Wesley H. Sowers, Flossmoor, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application January 12, 1939, Serial No. 250,500
21 Claims. (Cl. 196—13)

1. In the solvent refining of mineral oils, the process which comprises separating an oil containing paraffinic and naphthenic hydrocarbons into fractions respectively higher in paraffinic and naphthenic compounds by extracting said oil with compounds selected from the group consisting of morpholine and its derivatives.

2,251,774

LUBRICANT ADDITIVE

Meyer S. Agruss and George W. Ayers, Jr., Chicago, and Hans Schindler, Evanston, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application December 28, 1939, Serial No. 311,244
26 Claims. (Cl. 252—59)

13. A lubricant additive useful in reducing the pour test of relatively high pour test lubricating oils comprising the condensation product of halogenated paraffinic hydrocarbon and hydrocarbon resin obtained from partially spent decolorizing adsorbent.

2,251,775

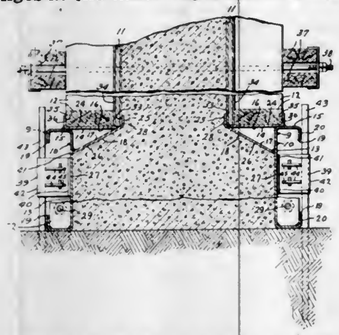
CONCRETE FORM

Artil Arrighini, Detroit, Mich.

Application January 15, 1940, Serial No. 313,954
1 Claim. (Cl. 25—131)

In a form for simultaneously pouring concrete footings and wall sections, a pair of opposed base members extending longitudinally of the wall section and predeterminately spaced to define the outermost faces of the footing, an upwardly opening channel member on each of said base members extending in the direction of the length of the base member and projecting laterally inwardly from the upper longitudinal edge of the base

members towards one another and having vertical flanges at the inner edges defining the outer-



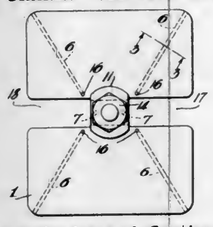
most faces of the wall portions, and means for anchoring the same against movement.

2,251,776

METHOD AND MEANS FOR WINDING COILS

Randall C. Ballard, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 30, 1938, Serial No. 248,561
8 Claims. (Cl. 140—92.2)



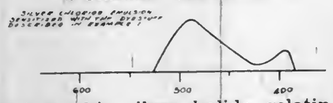
1. A winding jig for a deflecting coil, said jig comprising a pair of plates in face-to-face relation whereby there is a space between them, said jig being adapted to be rotatably mounted, and means for constricting said space at, at least, three circumferentially spaced points.

2,251,777

SENSITIZED PHOTOGRAPHIC EMULSION

Fritz Bauer, Dessau, and Gustav Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application December 8, 1939, Serial No. 308,148
In Germany December 9, 1938
2 Claims. (Cl. 95—7)



1. Photographic silver halide gelatin emulsions containing a furyloxdiazole-trimethinecyanine dyestuff.

2,251,778

MONO-(ORGANO MERCURY) ACETYLIDES

Wilhelm Bonrath, Leverkusen I. G. Werk, and Heinrich Klös, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application July 20, 1938, Serial No. 220,400. In Germany July 20, 1937
3 Claims. (Cl. 260—431)

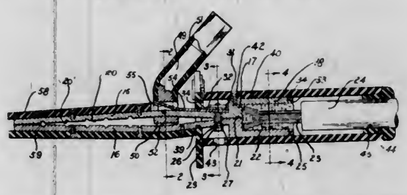
1. Mono-(organic mercury)-acetylides of the formula R—Hg—C≡CH, in which R stands for a radical selected from the group consisting of hydrocarbon and hydrocarbon substituted by a member of the group consisting of nitro, amino, alkoxy and hydroxyl groups and halogen, 1 carbon atom of R being directly linked to the mercury atom.

2,251,779

ELECTRODE HOLDER

Philip Bourque, Detroit, Mich., assignor to Bordon Mfg. Co., Inc., Detroit, Mich., a corporation of Michigan

Application May 6, 1940, Serial No. 333,623
13 Claims. (Cl. 219—8)



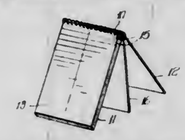
1. An electrode holder of the class described, comprising: a cavity-forming portion open at its rear end for the reception of an end of an electric conductor; a pair of elongated resilient jaw-forming plates connected to and projecting forwardly from the forward end of said cavity-forming portion and overlying each other in superimposed relation, said jaws forwardly of said cavity-forming portion being formed arcuate and bowed away from each other; a rockable member extending between said jaws at said bowed portion, said rockable member being of a thickness less than the space separating said jaws and adapted upon rocking movement in one direction for springing said jaws apart; and resilient means normally pressing said rocker member into engagement with the face of one of said jaws and retaining the same in spaced relation to the other.

2,251,780

NOTEBOOK

George A. Canning, Davenport, Iowa, assignor to The Lakeside-Central Company, Chicago, Ill., a corporation of Illinois

Application September 12, 1940, Serial No. 356,454
9 Claims. (Cl. 281—33)



2. A note book comprising covers composed of relatively stiff material, leaves intermediate the covers, a hinge connecting said leaves and covers, and a supporting member composed of relatively stiff material having a length less than that of said covers connected to said hinge and being adapted to assume a supporting position between said covers when the latter are in easel-forming position.

2,251,781

ADVERTISING PLAYING CARD

Robert H. Comens, Brooklyn, N. Y.

Application June 15, 1940, Serial No. 340,669
7 Claims. (Cl. 273—152)

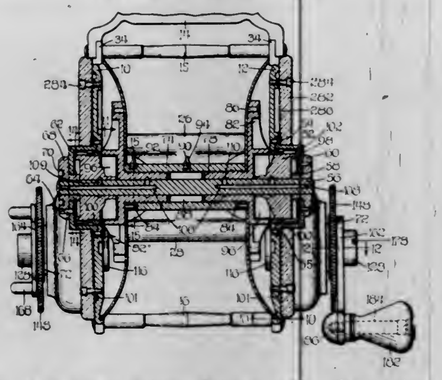
1. In an advertising playing card, a card body, a miniature card imprinted with a playing card

representation and engageable upon one corner of said card body, and means for holding said



miniature card in position on the corner of said card body.

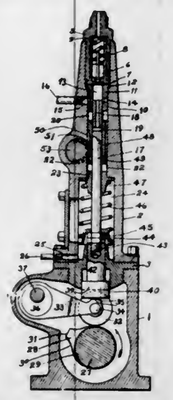
2,251,782
FISHING REEL
Joseph A. Coxe, Los Angeles, Calif., assignor to Bronson Reel Company, Bronson, Mich., a corporation of Michigan
Application November 4, 1936, Serial No. 109,099
5 Claims. (Cl. 242—84.5)



3. In a hand driven fishing reel: side plates; pillars uniting said side plates into a rigid frame; a spool in said frame; a stationary cross shaft supporting said spool; mean for driving said spool including a pinion journaled interiorly on said shaft and exteriorly in a side plate; driving mechanism connected to said pinion and entirely supported on said side plate on the side remote from said spool; central housing means for said pinion rigid with said side plate and supporting the adjacent end of said cross shaft; a Bakelite cover plate centered on said housing and fastened to said side plate; and rotary manual actuating and control means coaxial with a portion of said drive mechanism on an axis offset from the axis of said spool; said actuating and control means extending outside said cover; said cover having an offset aperture coaxial with said actuating and control means and encircling but not supporting the same.

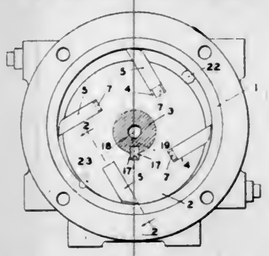
2,251,783
FUEL PUMP FOR ENGINES
Floyd Davis, Norton Township, Muskegon County, Mich.
Application March 14, 1938, Serial No. 195,859
3 Claims. (Cl. 103—41)

1. In a fuel pump for engines, a reciprocal pumping plunger having extending axially therein from is upper end an excess fuel port, and an excess fuel port extending transversely through the pumping plunger and open to the axially extending port a slidable fuel control sleeve surrounding the upper end portion of the pumping plunger and slidable in the pump housing and having its upper end registering with the transversely extending excess fuel port, a stationary fuel control sleeve having extending from therein the upper end of the pumping plunger,



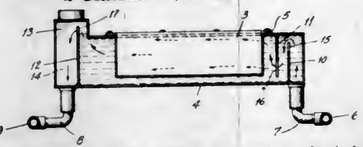
the said stationary sleeve having a port in register with the end of the pumping plunger and with the pump's fuel supply port, and a chamber between the upper end of the slidable sleeve and the lower end of the fixed sleeve for varying the capacity of the pump or amount of fuel pumped.

2,251,784
ROTARY COMPRESSOR
Burns Dick, Ferguson, and Fred H. Stroup, Kirkwood, Mo., assignors to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application June 14, 1939, Serial No. 279,101
6 Claims. (Cl. 230—152)



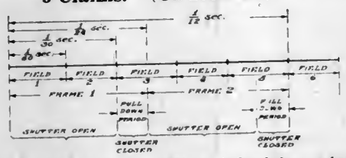
1. In a rotary compressor, a stator having a chamber therein, a rotor eccentrically mounted in the stator chamber and provided with a blade slot and a bore closed at its inner end communicating at its other end with the bottom of the slot, a blade reciprocable in said slot and engaging the stator, said blade being provided with a groove in its forward face communicating with the bore and stator chamber when the blade is in operative position in the slot, a pushpin in the bore separate from the blade and having a portion guided by the bore and a reduced portion in the bottom part of the bore providing a shoulder, said pin being provided with a longitudinal groove extending throughout its length, and a coil spring surrounding the reduced portion and interposed between the shoulder and the bottom of the bore to thereby cause the pin to be forced into abutting engagement with the bottom edge of the blade.

2,251,785
METHOD OF MOLDING ADHESIVE MATERIALS
Eddie M. Dons and Oswald G. Mauro, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware
Application February 26, 1938, Serial No. 192,678
2 Claims. (Cl. 18—58)



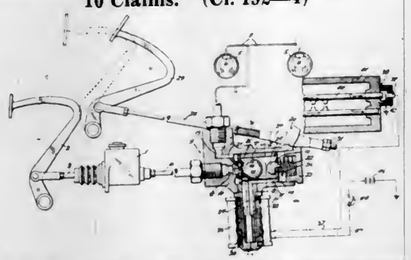
1. In the art of molding material that is adhesive when warm, the method of preventing adhesion of said material to the mold which comprises, heating said material to a temperature above its melting point, chilling the mold to a temperature low enough to precipitate from the atmosphere and form on the molding faces a frosty film of condensate, and thereafter discharging the hot molten material onto said frosty film.

2,251,786
TELEVISION RECORDING APPARATUS
David W. Epstein, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1938, Serial No. 232,486
5 Claims. (Cl. 178—6.7)



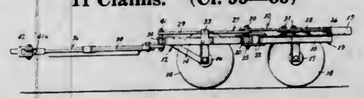
1. Apparatus for recording television pictures occurring at a certain frame frequency n on a film being moved at a different frame frequency m where n is greater than m, said apparatus comprising means for moving said film intermittently at said frequency m, and means operating in a fixed time relation with said first means for exposing said film to said television pictures for substantially $1/n$ seconds and for preventing exposure of said film for substantially $1/m$—$1/n$ seconds.

2,251,787
ELECTRICALLY OPERATED BRAKE CONTROL MECHANISM
Clarence V. Gardiner, Birmingham, Mich., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 30, 1939, Serial No. 311,855
10 Claims. (Cl. 192—4)



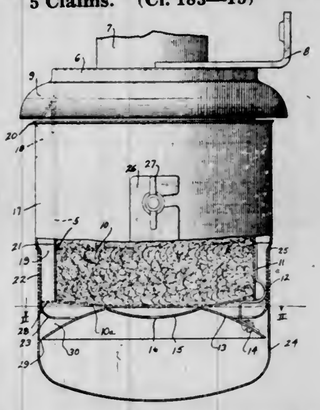
3. In a vehicle provided with a clutch mechanism having a control element, with a change speed gearing and with a brake actuating mechanism, means for holding the brakes applied, means operable by the clutch control element of the vehicle when in clutch engaged position for causing said holding means to be inoperative, said holding means permitted to be operative when the clutch is disengaged, means comprising a solenoid for causing said holding means to be inoperative notwithstanding said clutch control element of the vehicle is in clutch-disengaged position, an electrical circuit for the solenoid including a switch, and means for closing the switch and energizing the solenoid only when the change speed gearing is in reverse gear position.

2,251,788
OFFSET DISK HARROW
William E. Goble, Fowler, Calif.
Application June 5, 1939, Serial No. 277,437
11 Claims. (Cl. 55—83)



1. A disk harrow comprising two gangs of disks in tandem relation, a single fixed pivotal connection between the gangs and adjacent one end thereof, a swingable bar pivoted to the front gang intermediate the ends of the gang, a draft yoke having one part connected to the front gang and another part connected to the swingable bar, and a control bar connecting the swingable bar and the rear gang at the end adjacent the pivotal connection between the gangs.

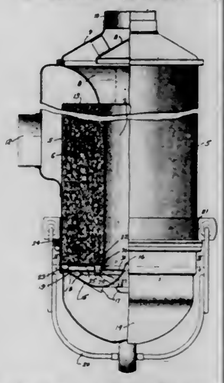
2,251,789
AIR CLEANER
Theodore W. Hallerberg, Chicago, Ill., assignor to United Specialties Company, Detroit, Mich., a corporation of Delaware
Application April 1, 1939, Serial No. 265,395
5 Claims. (Cl. 183—15)



5. In an air cleaner, a casing having a liquid sump therein, an inner section spaced from the outer wall to provide an annular inlet passage therearound, a filter mass in said inner section above the sump, a baffle extending across said casing and arranged transversely of said sump and terminating short of the outer casing wall leaving an opening below said inlet passage through which sump liquid may be educed by traveling air, and an air guiding member curving

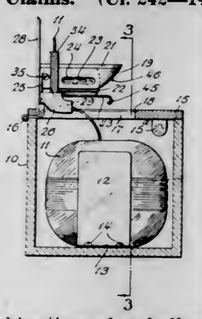
inwardly above said baffle and away from the edge of said baffle and having its inner edge positioned substantially within the outer edge of said baffle and substantially above said baffle to guide the current of incoming air away from the edge of said baffle and to prevent incoming air from passing under said baffle.

2,251,790
AIR CLEANER
Theodore W. Hallerberg, Chicago, Ill., assignor to United Specialties Company, Detroit, Mich., a corporation of Delaware
Application April 1, 1939, Serial No. 265,396
1 Claim. (Cl. 183—15)



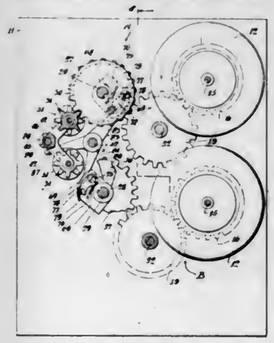
In an air cleaner, a casing having a liquid sump, a center tube inlet extending into said casing, a filter mass around said tube above said sump, said casing having an outlet communicating with the region above said filter mass, and a trough-like annular member with curved side walls below said filter mass and extending around and below the inner end of said tube into the path of incoming air, said member having an annular series of openings in the bottom thereof through which sump liquid previously carried into the filter mass may be aspirated by traveling air into the air stream, and a sloping tongue adjacent each opening of said series extending therebelow with its inclination in the direction of air travel through the cleaner.

2,251,791
TWINE CONTAINING AND CUTTING DEVICE
Arthur Hammerstein, Great Neck, N. Y.
Application July 25, 1939, Serial No. 286,359
6 Claims. (Cl. 242—142)



1. The combination of a hollow base constituting a receptacle for a supply of twine, twine cutting means adjustably mounted on said base and normally lying within the same, said cutting means being selectively adjustable on said base to an operative cutting position exteriorly of said base, and means movable with said cutting means for holding the free end of said twine and shifting the same to an accessible position exteriorly of the hollow base coincidentally with the adjustment of said cutting means to said operative cutting position.

2,251,792
RESETTING MECHANISM FOR REGISTERS
Charles S. Hazard, Andover, N. J., assignor to Neptune Meter Company, a corporation of New Jersey
Application May 11, 1938, Serial No. 207,216
11 Claims. (Cl. 235—144)

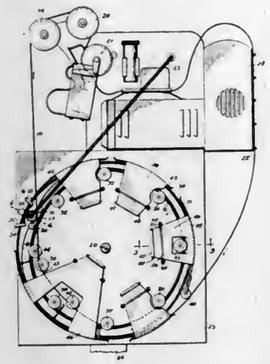


1. In a registering mechanism, the combination of a first normally stationary rotatable shaft, a plurality of counting wheels associated with said first shaft, gears associated with each of said counting wheels and rotatably mounted on said first shaft, means interconnecting said gears for transmitting movement from one to the other of said gears during a counting operation, said interconnecting means being releasable to allow independent movement of said gears during a resetting operation, movable pick-up means rotatable with said first shaft, said pick-up means being movable into a position to couple said gears to said first shaft, a rotatable second shaft, movable means on said second shaft for retaining the pick-up means out of coupling position and movable in response to rotation of said second shaft to allow said pick-up means to move into said coupling position, means associated with said second shaft and actuated in response to rotation thereof for releasing said interconnecting means, and means responsive to rotation of said second shaft for rotating said first shaft.

2,251,793
ENDLESS TYPE MOTION PICTURE PROJECTOR
Joseph J. Hazard, Saratoga Springs, N. Y.
Application June 29, 1939, Serial No. 281,796
3 Claims. (Cl. 88—18.7)

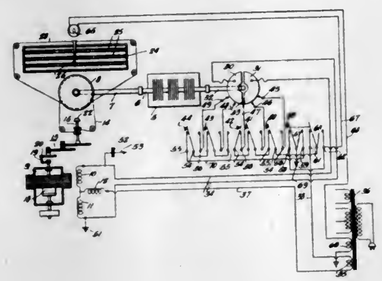
1. In a motion picture projector, an endless film embodied in said projector, a reel structure including two separate series of film supports upon which the major portion of said film is carried in spaced individual coil form, a strand of the film connecting the coils across the space therebetween, one of the film supports comprising a circumferential series of arc plates encompassing

substantially the entire periphery of the outer film coil, members carrying the arc plates and directed inwardly of the reel structure, hinge means swingably supporting the inner ends of said members providing for individually swinging



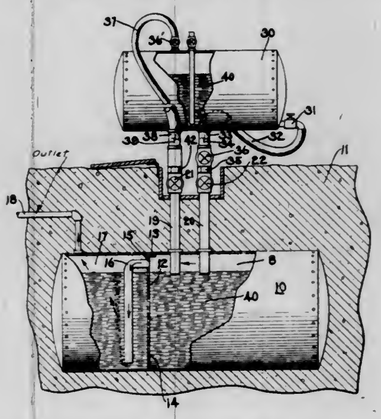
the arc plates away from the film, and driver means situated contiguously to said space, having driving engagement with said strand to pull it from within the outer coil and push it toward the inner coil.

2,251,794
PRESELECTION TUNING SYSTEM
Paul F. G. Holst, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 18, 1938, Serial No. 214,472
1 Claim. (Cl. 177—311)



In a motor tuning system for a radio receiver, the combination of a motor control circuit having an operating winding, a pilot lamp circuit, means for energizing said circuits independently one of another, means for selectively deenergizing said circuits in preselected tuning positions of said system, said deenergizing means further including controlling contact elements connected to said winding, means providing a potential source connected in the pilot lamp circuit and to one of said contact elements, said elements having an insulator element therebetween and selector contacts adjustable in connection with and relative to said contact elements to a position on said insulator element and for including said winding in the pilot lamp circuit when said contacts engage one of said contact elements and for excluding said winding from the pilot lamp circuit when said contacts engage the other of said contact elements, whereby the pilot lamp circuit is deenergized when said contacts are in engagement with the insulator element and energized in differing degrees when shifted therefrom to the one or the other of said contact elements by reason of the potential drop in said winding.

2,251,795
GAS GENERATING METHOD
Harold E. Howard, Bridgman, Mich., assignor to National Gas Service, Incorporated, Benton Harbor, Mich., a corporation of Michigan
Application April 19, 1935, Serial No. 17,191
8 Claims. (Cl. 48—213)

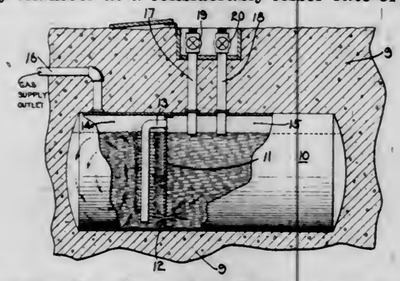


1. The method of producing gas which consists in providing liquid butane or the like in two separate chambers to only a predetermined depth or less whereby spaces of certain minimum size are respectively formed above the surfaces of the liquid, withdrawing the gas to be used from one of said spaces, at a predetermined rate, providing a flow of liquid between the chambers near their bottoms, providing a flow of gas from the other of said spaces to a point below the surface of the liquid in the chamber below the space from which the gas to be used is withdrawn, said flows of liquid and gas having a predetermined relationship such that the withdrawal of gas from said one of said spaces will diminish its pressure sufficiently to cause the gas pressure in the other space to overbalance the controlled gradually increasing liquid pressure in the chamber below the space from which the gas to be used is withdrawn whereby the said flow of gas between the chambers will occur.

2,251,796
GAS GENERATING APPARATUS
Harold E. Howard, Benton Harbor, Mich., assignor to National Gas Service, Incorporated, Benton Harbor, Mich., a corporation of Michigan
Original application April 19, 1935, Serial No. 17,191. Divided and this application April 22, 1936, Serial No. 75,757
1 Claim. (Cl. 261—121)

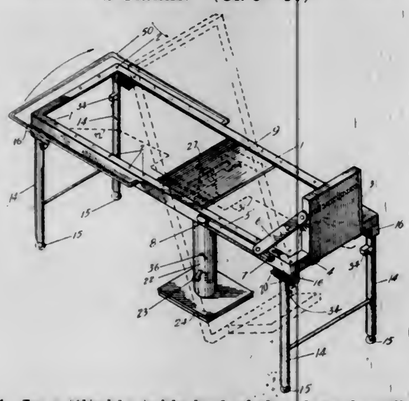
In combination, two closed chambers, one being called a gas supply chamber and the other a fuel reserve chamber, means to flow gas from said gas supply chamber to reduce the pressure therein, means to conduct gas from the fuel reserve chamber into said gas supply chamber at a low point therein, and means to conduct liquid

from said fuel reserve chamber into said gas supply chamber at a considerably lesser rate of flow



than the flow of gas through the gas conducting means.

2,251,797
INVALID BED
Warren Allston Leland, Jr., Towson, Md.
Application March 25, 1939, Serial No. 264,210
2 Claims. (Cl. 5—60)

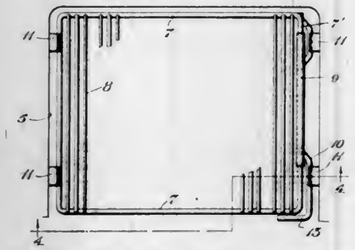


1. In a tiltable table bed of the class described, the combination of a frame for carrying a mattress or the like, a middle plate attached rigidly to a predetermined portion of the frame underneath, a jack having a base portion with a reciprocating cylinder acting in cooperation therewith, means attached to the jack and said plate adapted to permit the frame to assume various tilting positions in relation to the jack when supported thereby, legs hinged at the corners of the frame for supporting the frame in a horizontal position independently of the jack and provided with lugs thereon, a toggle mechanism attached to the frame and arranged to be operated by the cylinder of the jack when retracting in relation to the frame and to lock against the lugs of the legs to retain same in a position for supporting the frame.

2,251,798
DRIERS AND A PROCESS OF PREPARING THEM
Friedrich Meidert and Emmerich v. Pongratz, Frankfort-on-the-Main, and Hermann Schatz, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 24, 1938, Serial No. 197,966. In Germany April 1, 1937
3 Claims. (Cl. 106—310)

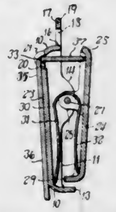
1. Driers for varnishes, lacquers, oil colors and plastic masses of every kind which contain drying oils, the said driers being soluble in oil and volatile solvents, especially benzine and comprising salts which are combinations of at least one metal of the group consisting of cobalt, manganese and lead and aliphatic carboxylic acids which contain from 6 to 16 carbon atoms and a plurality of branched carbon chains obtained by an alkaline oxidation of primary alcohols at raised temperatures and raised pressures.

2,251,799
REFRIGERATOR SHELF
Alfred E. Nave, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application November 11, 1937, Serial No. 173,953
6 Claims. (Cl. 211—147)



5. Shelving for the food compartment of a refrigerator cabinet comprising supporting brackets fixed to opposed side walls of said compartment and having notches or indentations arranged in vertically stepped relation therein, a shelf proper bounded by a frame member which at one side is adapted to engage in the notches of the adjacent supporting bracket and at its opposite side is provided with a guide bracket of channel shape in cross section, and a locking draw bar slidably mounted in said channel and having portions which are offset laterally outwardly toward said wall for engagement in the notches of the adjacent supporting bracket, said bar being releasable from said notches through sliding movement forwardly with respect to the compartment.

2,251,800
GARMENT CLASP
Walter S. Painter, Middlebury, Conn., assignor to The Waterbury Buckle Company, Waterbury, Conn., a corporation of Connecticut
Application March 21, 1940, Serial No. 325,102
1 Claim. (Cl. 24—250)



A garment-clasp comprising: a front jaw-member having at its upper end a rigid suspension-loop for its attachment to a strap and having a clamping-portion at its lower end, the said front jaw-member also having a lever-receiving aperture in its front face intermediate its upper and lower ends and a depressed vertical lever-receiving recess also in its front face below

the said aperture and extending uninterruptedly to and intersecting the lower end of the front jaw-member; a rear jaw-member located to the rear of the front jaw-member and pivotally connected thereto and having a clamping-portion at its lower end for collaboration with the clamping-portion of the said front jaw-member; and an inverted L-shaped jaw-closing lever pivoted to the said front jaw-member and extending through the aperture therein and having a finger-piece extending downwardly below the lower edge of the front jaw-member, the said finger-piece being swingable into and out of the lever-receiving recess in the front face of the said front jaw-member, the said jaw-closing lever operatively engaging the said rear jaw-member and being constructed and arranged to force the said clamping-portion of the said rear jaw-member forwardly toward the clamping-portion of the said front jaw-member as the lower end of the downwardly-extending finger-piece of the said jaw-closing lever is forced rearwardly into the lever-receiving recess in the front face of the said front jaw-member.

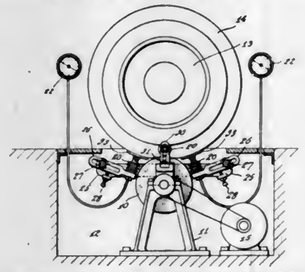
2,251,801
FRESH MEAT PRODUCT AND PREPARATION
Karl G. Plitt, Sr., St. Louis, and Karl G. Plitt, Jr., University City, Mo.
Application December 6, 1940, Serial No. 368,756
8 Claims. (Cl. 99—107)

1. The described method of consolidating slices of meat for dispensing in a compact unit, which consists in slicing the meat into relatively thin portions, stretching the slices, and compressing the slices so as to compact them into a unit mass.

2,251,802
PROCESS OF MAKING DIPOLYMER VARNISH
Irving Pöckel, Montclair, N. J., assignor to Ellis Foster Company, a corporation of New Jersey
No Drawing. Application July 29, 1939, Serial No. 287,241
2 Claims. (Cl. 260—23)

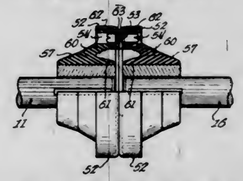
1. The process of making a varnish base which consists in heating at a temperature above about 200° C. a mixture containing a liquid terpene dipolymer boiling at 193–195° C. at 25 mm. pressure and a drying oil containing conjugated double bonds.

2,251,803
TIRE TESTER
Edwin W. Pummill, Indianapolis, Ind.
Application December 9, 1937, Serial No. 178,841
12 Claims. (Cl. 73—51)



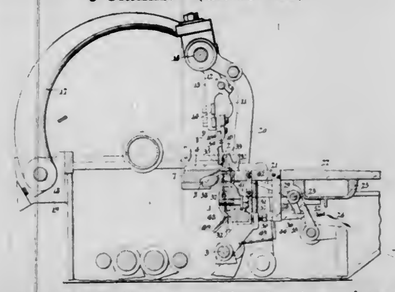
6. In mechanism for testing rotatably mounted pneumatic tire-casings, a member engaging the tread surface of said casing with sufficient pressure to distort the casing, a carriage mounted for sliding movement in a path parallel to the casing axis, means for locating said carriage along its path of movement and engaging opposite sides of the casing at points spaced from the distortion created by said member, and an indicating device having an element movably mounted on said carriage and engaging the distorted portion of the casing.

2,251,804
FLEXIBLE COUPLING
Carl R. Reuter, Milwaukee, Wis., and Thomas L. Fawick, Akron, Ohio; said Reuter assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 1, 1938, Serial No. 222,432
8 Claims. (Cl. 64—11)



1. A flexible coupling comprising a pair of hollow hub members for application to adjacent shafts, a pair of outer ring members each having an inturned portion, a pair of torque transmitting annuli of flexible rubber-like material each connecting one of said hub members with one of said ring members, and means arranged in said annuli and coacting with said inturned portions for releasably connecting said ring members.

2,251,805
MEANS FOR PRODUCING FLAT KNITTED FABRIC WITH INLAID ELASTIC YARN
George W. Ruedt, Wauwatosa, Wis., assignor to Phoenix Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 16, 1938, Serial No. 240,601
6 Claims. (Cl. 66—83)



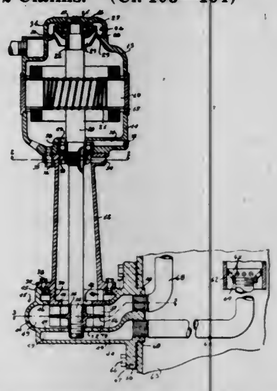
1. In a flat knitting machine having a bar with a straight series of needles, cooperating sinkers, a reciprocating guide for inelastic yarn, and a bar movable up and down with the needle bar and carrying points for displacing certain needles at intervals along the series from their normal plane; mechanism for incorporating elastic yarn into the fabric at intervals during the knitting including a reciprocating guide for running elastic yarn across the machine above the level of the sinkers beyond the reach of the needles, manipulating devices adjacent opposite ends of the needle bar operative upon retraction of the sinkers, to shift the elastic yarn laterally against the backs of the points and to so hold it during descent of the point bar with the needles, means concurrently operative to depress the elastic yarn

for advance of the sinkers over it, so that upon subsequent rise of the needles to take a new supply of inelastic yarn, those needles which have been displaced as aforesaid will pass up to one side of the elastic yarn and the others to the other side of said elastic yarn.

2,251,806
RESINOUS REACTION PRODUCT AND PROCESS THEREFOR
John B. Rust, West Orange, and Irving Pöckel, Montclair, N. J., assignors to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application April 26, 1939, Serial No. 270,150
3 Claims. (Cl. 260—27)

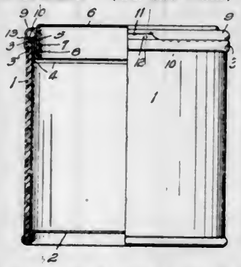
1. The process which comprises reacting rosin with a terpene in the presence of a boron halide condensing agent; whereby a reaction product is obtained which is characterized by the complete solubility of its alkali salt in water.

2,251,807
PUMP
Edward J. Ruthman, Cincinnati, Ohio
Original application September 11, 1936, Serial No. 100,343. Divided and this application January 6, 1939, Serial No. 249,627
2 Claims. (Cl. 103—104)



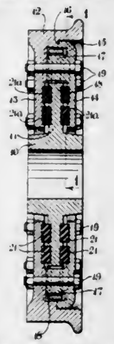
2. In a circulating pump of the class described, a pump housing casting including an integral mounting flange forming the sole support for the pump and from which projects the encircling body portion of the housing, which in turn has integral therewith and interiorly thereof spaced flanges to form an impeller discharge passage, means associated with said casting, and removably secured thereto, in alignment with one of the impeller discharge passage flanges and outer edges of the encircling body portion for forming an impeller chamber and for closing the side of the pump housing, an impeller within said chamber, the impeller chamber sides having formed therethrough supply ports for supplying the interior of the impeller chamber and the impeller and said ports being in communication with an intake passage formed through the mounting flange, said impeller chamber discharge passage flanges beyond the impeller chamber being connected to form a discharge pipe and passing through the intake port, a partition extending from each side of the discharge pipe dividing the intake passage into two such passages for respectively supplying the upper and lower sides of the impeller, a drain pipe connected to one of said supply passages whereby a suction is placed on such drain pipe by the impeller for more rapidly exhausting said drain pipe, a driving shaft connected with the impeller and projecting from one side thereof, and driving means for said shaft supported by the aforesaid means which forms one side of the impeller chamber and pump housing.

2,251,808
FRICTION CLOSURE CONTAINER
Walter L. Rutkowski, Normandy, Mo., assignor to R. C. Can Company, St. Louis, Mo., a corporation of Missouri
Application November 30, 1938, Serial No. 243,232
2 Claims. (Cl. 229—5.5)



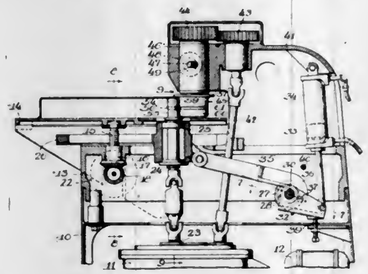
1. A friction closure container comprising a fibre body, a sheet metal ring secured thereto, said ring providing an open end for the container body, the metal of said ring being drawn to form a securing flange, a friction wall and an intermediate inclined outer end wall portion, said friction wall being substantially parallel to and spaced from said securing flange, a friction plug type closure for said ring having an inverted depressed portion forming a substantially vertical inner wall terminating in an upwardly folded portion to provide an outer vertical friction wall adapted to engage the friction ring wall, said friction ring wall having a flange projecting outwardly therefrom, the flange having rolled portions and the remaining portions being flattened to provide lower prying surfaces.

2,251,809
RESILIENT WHEEL
Curt Saurer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 6, 1940, Serial No. 364,503
8 Claims. (Cl. 295—11)



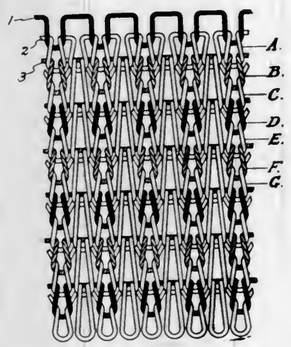
1. A resilient wheel of the character described comprising resilient elements of different degrees of resilience, said elements being asymmetrically arranged in the wheel.

2,251,810
FORMING AND TRIMMING MACHINE
Henry Collier Smith, Jr., Chicago, Ill., assignor to The Quickwork Company, Chicago, Ill., a corporation of Ohio
Application August 19, 1938, Serial No. 225,730
6 Claims. (Cl. 153—2)



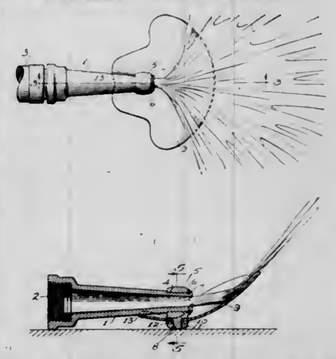
6. A combined forming and trimming machine comprising in combination a base, an upwardly, vertically extending driven shaft for driving a working roll, means for mounting said shaft in said machine for horizontal adjustment, operative means for readily and quickly horizontally adjusting said shaft and working roll, a horizontally arranged work table, means for readily and quickly vertically adjusting said table as a whole, an overhanging, vertically depending driven shaft arranged over and above said horizontally arranged and vertically adjustable table for driving a working roll for cooperation with said first mentioned working roll, and means for vertically adjusting said last mentioned working roll.

2,251,811
FABRIC AND METHOD OF KNITTING
Eugene St. Pierre, Pawtucket, R. I., and George McDowell, Philadelphia, Pa., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application August 9, 1939, Serial No. 289,260
7 Claims. (Cl. 66—172)



1. A knitted stocking top having elastic yarn incorporated therein at spaced wales and at spaced courses, said elastic yarn being knitted at spaced wales in a course, then a non-elastic yarn on all wales in the next course, a different non-elastic yarn in spaced wales at the next course and the first non-elastic yarn again in all wales on the next course, this being repeated throughout a predetermined extent of the said top.

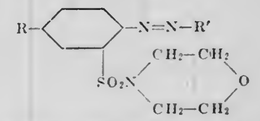
2,251,812
LAWN AND GARDEN SPRINKLER
Burns S. Watling, Hinsdale, Ill.
Application February 5, 1940, Serial No. 317,280
2 Claims. (Cl. 299—129)



1. A sprinkler for garden hose comprising a nozzle, and a substantially fan-shaped deflector plate pivotally mounted on said nozzle so as to be partially rotatable to move the broad portion thereof into and out of the path of the water issuing from said nozzle, said plate having an upwardly bent rear portion formed with a notch in its upper edge adapted to frictionally engage said nozzle for yieldingly securing said deflector plate in operative position.

2,251,813
AZO DYE
Byron L. West, Plainfield, and Dale R. Eberhart, Middlesex, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 23, 1939, Serial No. 275,152
5 Claims. (Cl. 260—152)

1. An azo dyestuff having the following general formula:

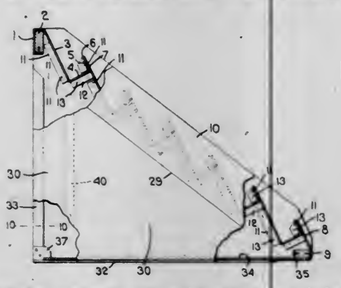


in which R is a member of the group consisting of nitro, amino, and acylamino radicals and R' is an aromatic coupling component.

2,251,814
KNOCKDOWN DISPLAY RACK
Paul Yohns, Boston, Mass., assignor to Rust Craft Publishers, Inc., Boston, Mass., a corporation of Massachusetts
Application February 17, 1940, Serial No. 319,374
5 Claims. (Cl. 211—130)

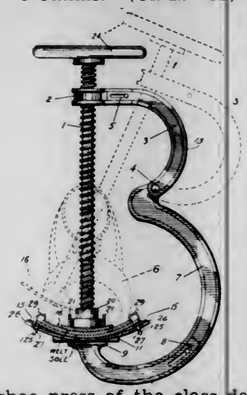
2. A knock-down display rack having a shelf section comprising a sheet of suitable flexible material folded to form a series of stepped receptacles and having end plates secured thereto forming closures for the ends of said receptacles, transverse reenforcing bars connected to the upper and lower ends of said sheet, a base hinged to the lower transverse bar adapted to be folded against the under side of said shelf section and normally vertical supporting wings hinged to said shelf section adapted to be folded inwardly and resting on said base but adapted to be folded

inwardly into contact with said base when the latter is folded against the shelf sections, and



interlocking means on said wings and base for maintaining said wings in vertical position.

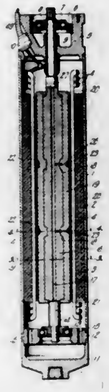
2,251,815
SHOE CLAMPING PRESS
Rosario Abbratozzato, Baltimore, Md.
Application May 27, 1939, Serial No. 276,170
5 Claims. (Cl. 12—33)



1. In a shoe press of the class described, the combination of a frame structure, having a 3-like contour with portions arranged for extending and retractive adjustment and hinged at the connecting portions of the two arcuate sections to permit the upper portion to swing backwards on a restricted arcuate travel, heads on the end portions of the sections, a shank bolt operable in one of the heads, an inner plate, a foot piece pivotally attached on said bolt adapted to engage the surface of the inner plate and permit positional adjustment thereon; an underplate attached to the head on the other end section adapted to be positioned on the exterior sole surface of the shoe and to completely cover and extend beyond same, and a mat extending around the edge of the underplate to permit resilient action and pressure on the sole and welt surface of the shoe as the shank bolt is screwed down on the inner plate in the shoe.

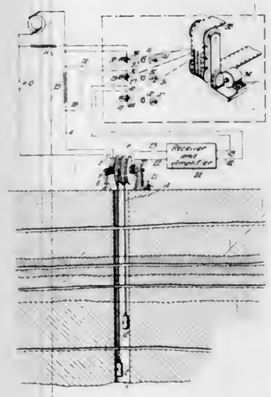
2,251,816
SUBMERGIBLE ELECTRIC MOTOR FOR DEEP WELL PUMPS
Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla., a corporation of Delaware
Application May 11, 1938, Serial No. 207,213
5 Claims. (Cl. 172—120)

1. In an electric motor, a stator having a continuous winding, a squirrel cage rotor for said stator, said rotor having conductor bars disposed peripherally therearound and extending substan-



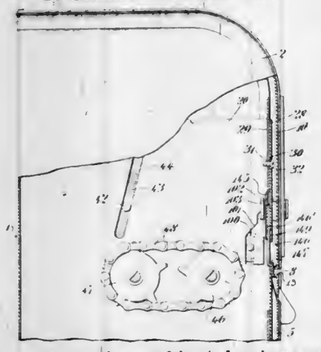
tially the length of said rotor, circumferential grooves formed in said rotor assembly and supporting rings resting upon said stator and lodged in said grooves.

2,251,817
METHOD OF BOREHOLE LOGGING
Lawrence F. Athy and Harold R. Prescott, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application April 18, 1938, Serial No. 202,741
3 Claims. (Cl. 181—0.5)



1. A method of logging bore holes including the steps of generating an alternating potential, impressing said alternating potential upon a vibratory means, lowering said vibratory means into a bore hole, the log of which is being made in predetermined fixed relation to means responsive to vibratory energy, receiving vibratory energy at said energy-responsive means, varying the frequency of said alternating potential, noting the extreme of variation of energy received at said receiving means, and plotting extremes of energy received at said receiving means against depth, to obtain the desired bore hole log.

2,251,818
TOWEL DISPENSING CABINET
Rudolph G. Birr, Lombard, and Albert C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Original application August 17, 1938, Serial No. 225,398. Divided and this application December 7, 1939, Serial No. 307,948
10 Claims. (Cl. 312—38)



4. In a dispensing cabinet having walls and a pinch-roll journalled in slots in said walls for permitting the pinch-roll to be moved from pinching position, a door for the cabinet and means for locking the door including elements on the door engageable with extensions of said slots.

2,251,819
PREPARATION OF SALTS OF OXIDIZED PETROLEUM ACIDS
Robert E. Burk and Everett C. Hughes, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 10, 1938, Serial No. 189,897
8 Claims. (Cl. 106—310)

1. In the production of salts of oxidized petroleum acids, heating in the neighborhood of 320° F. a petroleum fraction of 350–550° F., blowing air therein at about 60 to 140 pounds pressure at the rate of about 27 cubic feet per hour per gallon of petroleum in the presence of a catalyst, controlling the temperature at 290–340° F., maintaining the acid number in the reaction mass at about 5–20, drawing off reacted liquid, neutralizing and saponifying the same with an alkaline solution, at an elevated temperature, acidifying the resultant mass to release the oxidation acids, distilling the latter into a lighter fraction and a heavier fraction, reacting the lighter fraction with litharge, redissolving the heavier fraction in caustic soda solution and reacting with manganese acetate, distilling off the acetic acid formed and reacting it with a manganese compound, and returning the manganese acetate formed to further reaction with oxidation acids, the heavier fraction being defined as that which produces the least loss in a double decomposition type of manganese salt formation.

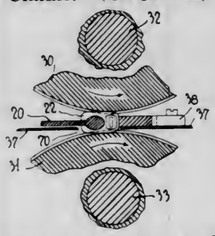
2,251,820
RAIL BOND
Charles A. Cadwell, Cleveland, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application August 21, 1939, Serial No. 291,174
3 Claims. (Cl. 173—278)

1. As an article of manufacture, a rail bond to be welded to the surface of a rail, comprising a stranded conductor body and means binding the strands circumferentially together adjacent an end thereof with a portion of said stranded body protruding therefrom, a substantially flat rail-contacting face on said binding means and a



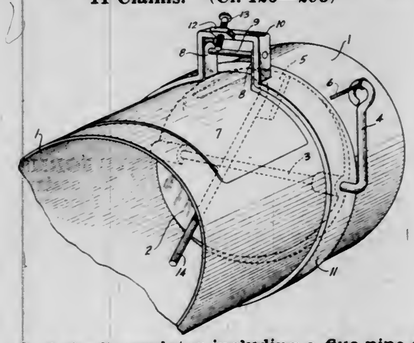
portion thereof angularly disposed to said face whereby the protruding end of said stranded body may be positioned out of contact with the rail, and whereby welding metal will interfuse with the ends of the individual strands of said conductor body.

2,251,821
MACHINE FOR SMOOTHING FASTENERS
Alfred E. Carlile, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application January 31, 1939, Serial No. 253,913
7 Claims. (Cl. 80—24)



1. A smoothing device for a slide fastener stringer including a fabric carrier and a series of interlocking elements attached to the carrier and having side surfaces disposed on opposite sides of the carrier, comprising in combination burnishing means defining spaced opposed surfaces engageable simultaneously with opposite side surfaces of the elements and movable with respect thereto for burnishing both side surfaces of each element, and stringer guiding means for supporting the stringer and holding said opposite side surfaces of the elements in contact with the burnishing means while maintaining the fabric carrier out of contact with the burnishing means.

2,251,822
STACK DAMPER REGULATOR
John T. Carlson, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application June 5, 1939, Serial No. 277,485
11 Claims. (Cl. 126—293)



10. A draft regulator including a flue pipe sec-

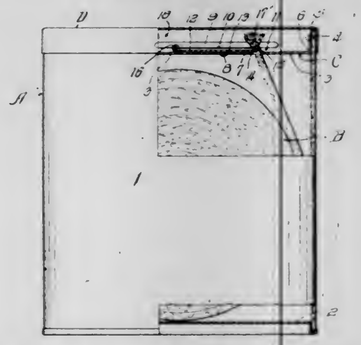
tion having a lateral opening therein, a pivotally mounted unbalanced cut-off damper in the pipe section so constructed and arranged as to tend to remain in open position, a pivotally mounted unbalanced closure damper for the lateral opening in the pipe section so constructed and arranged as to tend to remain in closed position, operator means exteriorly of the pipe section for actuating the cut-off damper to closed position, a thrust member rendered effective by closing movement of the cut-off damper to move the closure damper to open position, the construction and arrangement being such that the unbalanced closure damper exerts opening force on the unbalanced cut-off damper through the said thrust member when the operating means for the cut-off damper is ineffective to maintain the cut-off damper in closed position.

2,251,823

DISPENSING CONTAINER

Arthur E. Cullen, St. Louis, Mo., assignor to R. C. Can Company, St. Louis, Mo., a corporation of Missouri

Application June 30, 1939, Serial No. 282,301
5 Claims. (Cl. 206—56)



1. In combination with a strip cotton roll container having a depressed flat closure head provided with a dispensing opening through which the strip cotton passes, of an upstanding flange at one edge of the opening, a reinforcing bead adjacent the opposite edge of the opening, opposed inwardly projecting beads formed on opposite walls of the closure head to form ways between the beads and the closure head, a flat sliding plate having opposite side edge portions riding in said ways to hold the plate in contact with the top face of the closure head and adapted to cover and uncover the dispensing opening, the lead edge of the sliding plate cooperating with the aforesaid upstanding flange to clamp strip cotton in roll form along the outer edge of the dispensing opening.

2,251,824

TREATMENT OF CONCRETE FORMS

Roy T. Edwards, New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application March 22, 1941, Serial No. 384,775
6 Claims. (Cl. 25—154)

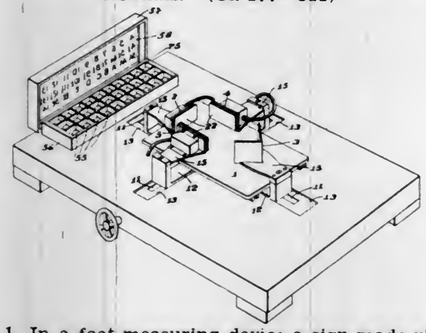
1. That method of treating concrete forms, particularly metal forms designed for reuse, comprising applying to the surface of such forms a water-in-oil emulsion formed substantially of mineral oil, water, and a polyvalent metal salt of a mahogany sulfonic acid derived from mineral oil by heavy acid treatment.

2,251,825

FOOT MEASURING DEVICE

Jeremiah Fitzpatrick, Weymouth, and Donald B. Ames, Bridgewater, Mass.; said Ames assignor to said Fitzpatrick

Application July 14, 1938, Serial No. 219,176
4 Claims. (Cl. 177—311)



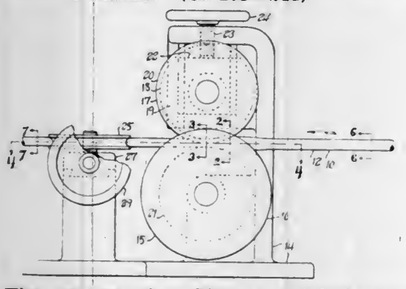
1. In a foot measuring device a sign made visible by illumination through the closing of an electric circuit, mechanism for measuring a foot including parts movable to different adjusted positions dependent upon and corresponding with variations in foot size, a relatively displaceable member co-operating with said mechanism and against which the foot has immediate bearing during the measurement thereof and with relation to which said mechanism has change of position when adjusted for taking a foot measurement, and means whereby said member may close said circuit for illuminating said sign when said mechanism through adjustment has arrived at a precise and determinate position indicative of a foot size.

2,251,826

MAKING METAL-SHEATHED CABLES

Leigh E. Fogg, East Providence, R. I., assignor to Kennecott Wire and Cable Company, Phillipsdale, R. I., a corporation

Application December 18, 1939, Serial No. 309,736
3 Claims. (Cl. 173—244)



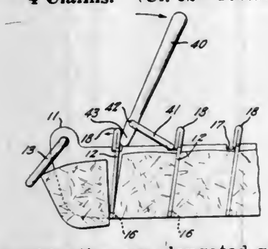
1. The process of making a metal-sheathed cable comprising: assembling a cable-core having solid insulation thereon in a loosely-fitting metal cable-sheath, the maximum diameter of said cable-core being considerably less than the corresponding internal diameter of said cable-sheath; extracting moisture from the cable-core while it is in loosely-fitting relation with the cable-sheath; filling the remaining space in said cable-sheath with flowable insulating compound which is of relatively high viscosity at ordinary temperatures and of relatively low viscosity when suitably heated; reducing the diameter of said cable-sheath to nearly final size while said insulating compound is heated to a temperature at which it is of relatively-low viscosity, the internal shape of such reduced sheath being substantially the same as the shape of said cable-core; and further reducing the diameter of the cable-sheath to final size after said insulating compound has cooled to a condition of relatively high viscosity.

2,251,827

FREEZING TRAY

Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 21, 1941, Serial No. 384,469
4 Claims. (Cl. 62—108.5)



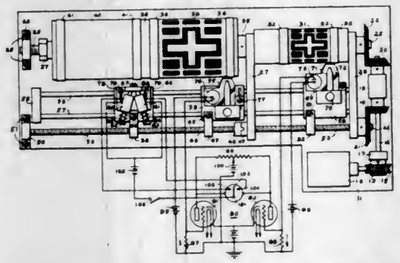
1. In combination, an elongated grid structure for disposition in a freezing tray and removable therefrom as a unit, said grid structure comprising a longitudinal main wall having a series of cross-wall-retaining recesses therein spaced along its length and a series of normally inclined cross walls loosely retained in said recesses in such manner that said cross walls are individually tiltable longitudinally of said main wall from their normal inclined freezing positions, said cross walls each having an upper center portion of substantial area spaced from and unobstructed by all adjacent portions of said main wall when the grid parts are in freezing position, and a separate hand tool for successively and individually engaging said unobstructed center portions of said cross walls for manually tilting said cross walls one after the other longitudinally of said main wall to facilitate the removal of the ice from said grid.

2,251,828

SCANNING COMPARATOR

John Hays Hammond, Jr., Gloucester, Mass.

Application August 8, 1939, Serial No. 288,933
6 Claims. (Cl. 178—6.6)



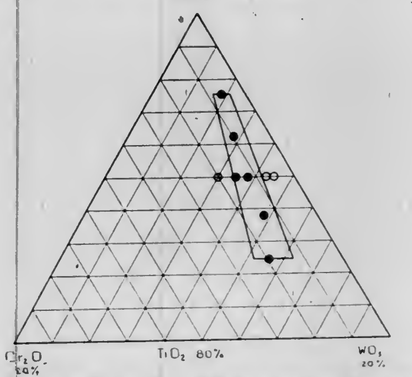
1. The method of comparing an original surface design or insignia with a facsimile thereof and indicating the points of difference on a record, which comprises simultaneously scanning the original, the facsimile and the record point by point, balancing against each other the scanning effects produced by scanning the original and the copy, to thereby cause the effects to be cancelled when the scanned points are identical and to produce a resultant effect when the scanned points differ, and utilizing the resultant effects derived from any scanned point to produce a predetermined designation on said record at the corresponding point, for thereby making a record of the locations of any inaccuracies in said facsimile.

2,251,829

CERAMIC PIGMENT

Carl J. Harbert, Shaker Heights, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

Application July 25, 1939, Serial No. 286,394
9 Claims. (Cl. 106—300)



1. Yellow to brown ceramic pigments essentially consisting of the oxides of chromium, tungsten and titanium in the form of a calcination product and in approximately the following proportions:

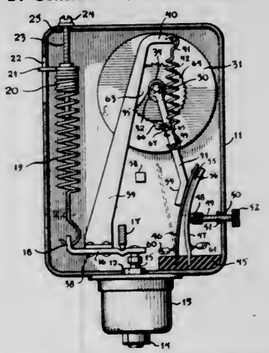
	Parts by weight
Cr_2O_3 — 1 molecule	5 to 15
WO_3 — 1 to 3 molecules	
TiO_2	95 to 85

2,251,830

SNAP MAKE-SLOW BREAK SWITCH

Gifford I. Holmes, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 18, 1938, Serial No. 219,683
17 Claims. (Cl. 200—83)



1. In a device of the character described com-

prising in combination, a condition responsive element, a control device, a snap action mechanism operated by said element for actuating said device in two directions, and means for retarding the action of said mechanism in one direction.

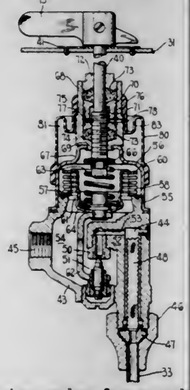
2,251,831

REFRIGERATING APPARATUS

Irving J. Knudson, Kenilworth, Ill., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Original application May 14, 1935, Serial No. 21,354, now Patent No. 2,187,038, dated January 16, 1940. Divided and this application March 17, 1939, Serial No. 262,482

8 Claims. (Cl. 50—23)



1. An expansion valve for regulating the temperature of a refrigerant evaporator comprising a valve casing having a passageway therethrough, a valve member in said passageway, means responsive to pressure in said passageway and controlling the operation of said valve member, said means cooperating with said casing to form a chamber separate from said passageway, a spring within said chamber and acting on said responsive means, an adjustment screw having screw-threaded engagement with and extending through an aperture in a wall of said casing and into said chamber and engaging said spring to regulate the force of said spring, flexible means carried by said wall and surrounding said screw for sealing said aperture to flow of fluid and operable to maintain substantially atmospheric pressure in said chamber, a supporting member rigid with and spaced from said casing and having an aperture through which said screw extends, means secured to said screw external of said supporting member and operable to rotate said screw, and indicating means carried by said supporting member for indicating the setting of said screw.

2,251,832

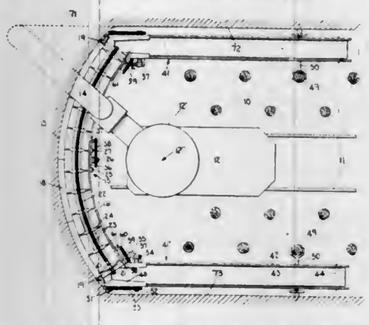
CONVEYER

Nils D. Levin, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Original application March 6, 1937, Serial No. 129,446. Divided and this application December 3, 1938, Serial No. 243,810

3 Claims. (Cl. 198—168)

1. In conveying apparatus, the combination with a frame, of endless conveying means adapted to convey material in reverse directions and discharge it from opposite ends of said frame, drive means for said conveying means including a drive shaft positioned below and intermediate the ends of said frame, conveyer guide means on said frame, means for guiding said conveying means to and from said guide means and said drive means, means for adjusting said drive shaft



toward and from said frame to adjust the tension of said endless conveying means, and means including a motor for driving said drive shaft in reverse directions while providing for the aforesaid adjustment thereof.

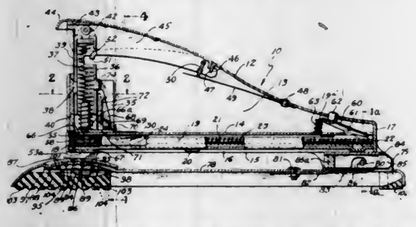
2,251,833

STAPLE DRIVING MACHINE

Fridolin Polzer, Lester L. Wheeler, and Roy E. Peterson, Norwalk, Conn., assignors to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut

Application May 25, 1938, Serial No. 209,886

19 Claims. (Cl. 1—3)



1. A staple driving machine including a housing, a staple driver for driving the staples, a staple guide bar for carrying staples to said driver and normally enclosed in said housing, said guide bar being longitudinally shiftable to and from an exposed position to permit of loading of the bar while in said exposed position, means for feeding the staples along the guide bar to driving position under the driver, and releasable means normally securing the bar in its enclosed position.

2,251,834

SHAPER BROACH

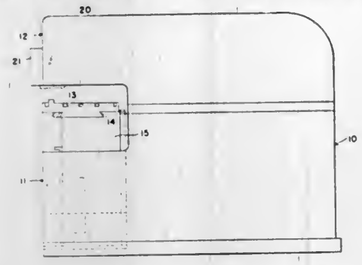
Walter S. Praeg, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan

Application March 25, 1940, Serial No. 325,849

20 Claims. (Cl. 90—55)

1. A machine of the class described comprising a work supporting table, a tool slide reciprocable across said table in a working stroke and a return idle stroke, a shiftable tool carrier on said slide, a rigid abutment limiting shifting of said carrier in a work engaging direction, a movable abutment effective at initiation of a working stroke to resiliently urge said tool carrier into

engagement with said rigid abutment and effective throughout the working stroke to rigidly



retain said carrier in engagement with said rigid abutment.

2,251,835

PRODUCTION OF TETRAHYDROFURANE FROM 1,4-BUTYLENE GLYCOL

Walter Reppe, Ludwigshafen-on-the-Rhine, and Hans-Georg Trieschmann, Mannheim, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 19, 1940, Serial No. 330,470. In Germany May 5, 1939

7 Claims. (Cl. 260—345)

1. A process for the production of tetrahydrofurane which consists in heating an aqueous solution of 1,4-butylene glycol containing at least about 30 per cent of water to temperatures exceeding 180° C. in the presence of a dehydration catalyst said catalyst being used in an amount smaller than equimolecular to the amount of water to be split off from the 1,4-butylene glycol under such an elevated pressure that a substantial part of the reaction mixture is in the liquid phase.

2,251,836

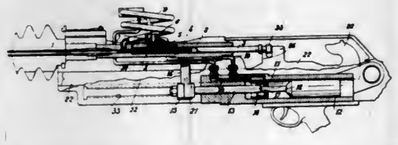
PNEUMATIC MACHINE GUN ADAPTER FOR PRACTICING

Adam Schmidt, Vienna, Austria

Application September 16, 1937, Serial No. 164,094

In Austria August 26, 1937

9 Claims. (Cl. 89—6)



1. A mechanism for adapting machine firearms for shooting pellets with the aid of compressed air for practicing purposes, comprising a cylinder, a loading and firing-off rammer operating in said cylinder, a second cylinder having an axis spaced from and parallel to the axis of said first mentioned cylinder, a piston mechanically connected with said rammer and disposed in said second cylinder, compressed air inlet means and compressed air outlet means connected with said second cylinder forward of said piston, compressed air flow control means disposed within said second cylinder forward of said piston and adapted to be operated by said piston and to admit compressed air from said inlet means to said second cylinder and to simultaneously close said compressed air outlet means for forcing said piston and said rammer into loading position by means of compressed air.

2. A mechanism for adapting machine firearms for shooting pellets with the aid of compressed air for practicing purposes, comprising a cylinder, a loading and firing-off rammer operating in said cylinder, another cylinder having an axis which does not coincide with the axis of said first mentioned cylinder, a piston operating in said other cylinder and being mechanically connected with said rammer, a source of compressed air, an inlet port connected with said source and being positioned in said other cylinder, and an outlet port for compressed air connected with said other cylinder, a slide valve in said other cylinder associated with and operated by said piston and opening said inlet port and admitting compressed air to said other cylinder and simultaneously closing said outlet port whereupon the compressed air forces said piston and said rammer connected therewith back into loading position.

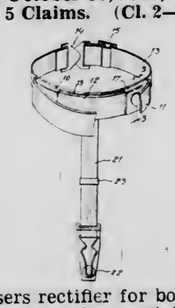
2,251,837

TROUSERS RECTIFIER

Harry H. Stiefel, Brooklyn, N. Y.

Application October 30, 1939, Serial No. 301,928

5 Claims. (Cl. 2—233)



1. A trousers rectifier for bowlegged men comprising in combination a rigid crescent-shaped member formed of flat material of sufficient width to maintain a flat position against the leg and to flatly engage the inside of the trousers for a sufficient area to prevent bulging, the curvature of the inner part of the crescent substantially conforming to the inner contour of the leg above the calf and below the knee, the curvature of the outer part of the crescent conforming centrally to the normal curvature of the trousers, and a flat band attached to and covering the inner wall of the crescent and adapted to grip the leg elastically.

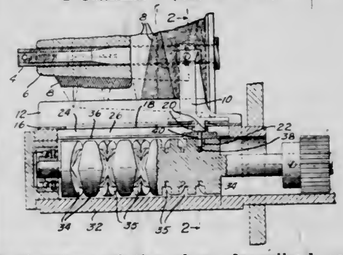
2,251,838

RECIPROCATING MECHANISM

Dickerson G. Baker, Holyoke, Mass., assignor to The American Thread Company, New York, N. Y., a corporation of New Jersey

Application March 17, 1939, Serial No. 262,326

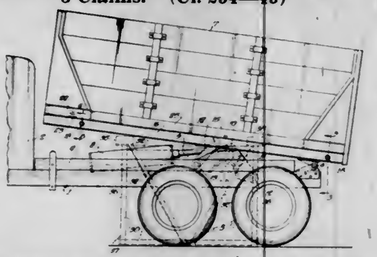
4 Claims. (Cl. 74—57)



1. Mechanism of the class described compris-

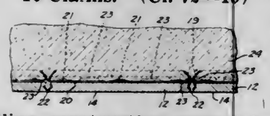
ing a cam provided with a groove having right and left hand crossing spirals, the inner portion of the groove being narrower than the outer portion, a follower for the cam comprising a shoe substantially fitting the outer groove during the traverse of the shoe in either direction, and a supplemental shoe or pilot pivotally connected with the first-mentioned shoe engaging in the inner narrow portion of said groove, said supplemental shoe or pilot being elongated so as to cause the pilot to cross the intersections or frogs of the cam groove in advance of said first mentioned shoe.

2,251,839
REMOVABLE TRUCK BODY
Eugene J. Dondlinger, Chicago, Ill.
Application April 29, 1940, Serial No. 332,128
8 Claims. (Cl. 254—45)



1. In combination with a vehicle frame and its supporting wheels, a dump body supported on the frame, hoisting mechanism on the frame operable to tilt the body for dumping action, means detachably connecting the body to said hoisting mechanism, and supplemental supporting means disposable under the body when tilted, said supplemental means being dimensioned to support said body clear of the wheels when it is lowered by the hoisting means and detached therefrom, thus permitting the frame to be withdrawn.

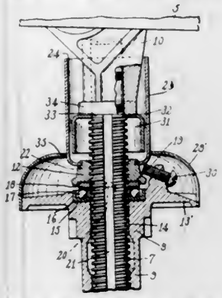
2,251,840
CEILING TILE
Charles G. Duffy, Jr., Darien, Conn.
Application August 1, 1940, Serial No. 349,055
10 Claims. (Cl. 72—19)



1. A ceiling construction comprising a series of tile assemblies each including a tile having a longitudinally extending groove in each of a plurality of its side edges, a metal support for each tile comprising a metal strip extending about the periphery of the tile including crimps adjacent one edge seated in said grooves and comprising portions adjacent the other edge extending beyond the back surface of the tile and inclined inwardly thereover to form overhanging walls, and concrete at the rear of the tiles cooperating with the inclined wall portions for bonding purposes.

2,251,841
SWIVEL CHAIR STRUCTURE
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application December 11, 1939, Serial No. 308,568
16 Claims. (Cl. 155—93)

2. In a swivel chair structure, the combination of a chair seat, a chair base, a screw post having a portion projecting into the base, a nut rotatably supported from the base turnable by hand



for raising and lowering the screw post with respect to the base, and masking means associated with the nut for concealing portions of the screw post disposed above the nut.

2,251,842
CORN SHELLER
Fred C. Hill, Freeport, Maine
Application June 2, 1939, Serial No. 276,948
5 Claims. (Cl. 30—149)

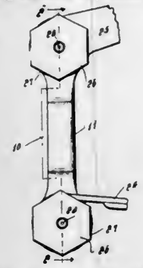


1. A corn shelling instrument comprising a handle adapted for manual use and a bowl-shaped portion comprising a body the end of which has a prong at one side adapted to guide the instrument along the rows of kernels on an ear of corn, a recessed shelling edge for engaging and shelling the kernels of corn and a broad guiding portion at the other side of said bowl having a continuation of said shelling edge.

2,251,843
SPRING SHACKLE
William L. Jones, Centralia, Ill., assignor of fifty-one per cent to Glenn W. Johnson, Centralia, Ill.
Application March 6, 1941, Serial No. 382,059
7 Claims. (Cl. 267—54)

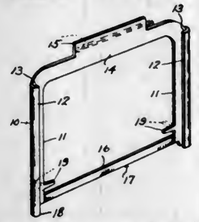
1. A spring shackle comprising a U-shaped member having corresponding, restricted substantially parallel legs, the intermediate portions of said legs being threaded, the end portions of said legs forming inner races, bushings for engaging said legs, each of said bushings being internally threaded intermediate of its ends for loosely engaging a threaded portion of a leg of said U-shaped member, sets of roller bearings

disposed between said inner races and the ends of each of said bushings to provide anti-friction means for supporting the bushings on said legs of the U-shaped member, and each of said bush-



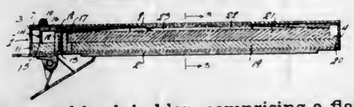
ings being externally threaded for engaging the internally threaded eye formed on the end of a leaf spring for pivotally mounting said eyes on said ends of the U-shaped shackle.

2,251,844
BUTTER KNIFE
Harry Preston Keefer, Alliance, Ohio, assignor of one-half to E. C. Axelrod, Alliance, Ohio
Application April 3, 1940, Serial No. 327,723
5 Claims. (Cl. 31—20)



1. A knife for the purpose described consisting of a rectangular frame having a pair of sides, a top bar connecting the upper ends of said sides, and a knife blade connecting the lower portions of said sides, said sides having their outer edge portions rebent to form opposed guide channels, said sides having stop fingers extending from the inner edges of the sides and opposite each other.

2,251,845
RECORD BOOK HOLDER
Archie O. Large, Oklahoma City, Okla.
Application August 27, 1940, Serial No. 354,421
3 Claims. (Cl. 281—1)



1. A record book holder, comprising a flat supporting body, a block member secured to a face of the supporting body adjacent an end of the body and extending transversely thereof, a clamping bar disposed above said block member and having one of two edges resting upon the block member, the other edge of said clamping bar forming a jaw, means coupling said bar with the block member, said jaw being arranged to have a current record book interposed between it and the block member, the block member being of substantially the same thickness as the used record book and having an edge of the latter disposed thereagainst and the current record book being supported on the used record book in a flat position.

2,251,846
ZINC CHROMATE
Reuben W. Leisy, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 29, 1940, Serial No. 332,267
7 Claims. (Cl. 23—56)

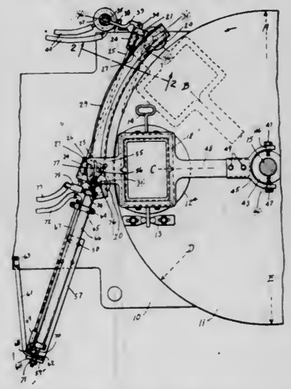
2. A pigment consisting essentially of a basic zinc chromate having the formula

$$5ZnO{\cdot}CrO_3{\cdot}4H_2O$$

said pigment being substantially free of water-soluble salts.

4. The process of making basic zinc chromate which comprises treating zinc oxide in aqueous suspension with a solution of chromium trioxide, the molal ratio of zinc oxide present to chromium trioxide present being not less than about 5:1.

2,251,847
GLASS MACHINE
James A. Lewis, Hartford City, Ind., assignor to Sneath Glass Company, Hartford City, Ind., a corporation
Application November 5, 1938, Serial No. 239,041
7 Claims. (Cl. 49—37)

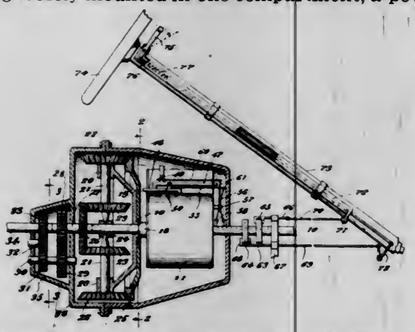


1. In a sequential plural station, intermittently operable, glass article pressing machine having a plurality of spaced main molds, and a single-rim mold common thereto, the main molds moving successively at least from a pressing station to an unloading station and return, of means for lowering the rim mold into registration with the main mold at the pressing station prior to pressing the article, and elevating the rim mold from that main mold prior to article removal from the main mold, the rim mold while operatively associated with a main mold insuring retention of the molded form of the article, and means for returning in elevated relation the rim mold to the pressing station for rim mold cooling and successive association with succeeding main molds.

2,251,848
HYDRAULIC VARIABLE SPEED TRANSMISSION
Bernard Luttbeg, Somerset, Ky.
Application April 20, 1940, Serial No. 330,794
8 Claims. (Cl. 74—293)

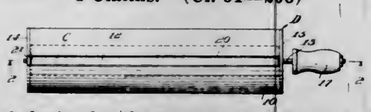
1. In a mechanism of the class described, a drive shaft, a driven shaft, an hydraulic speed transmission device carried by the drive shaft for driving the driven shaft, means for shifting hy-

draulic pressure within said transmission device, means for varying the hydraulic pressure to vary the ratio of speed of the driven shaft relative to the driving shaft; said transmission device comprising an hydraulic drum, said drum having a plurality of compartments, an impeller member in each compartment, one impelling member being loosely mounted in one compartment, a power



transmission element carried by the last mentioned impelling member, means forming a communication between the compartments for shifting pressure from one compartment to another; remote control means for controlling the passage of pressure through said last mentioned means, and means for controlling the volume of pressure to the compartments to vary the speed of the driven shaft with respect to the driving shaft.

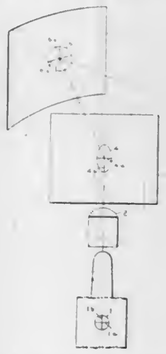
2,251,849
TOOL SHARPENER
Arthur B. Mawle, Miami, Fla.
Application May 2, 1940, Serial No. 333,040
4 Claims. (Cl. 51—208)



1. A device for sharpening the blades of shears, scissors, and the like, comprising an elongated tubular casing, a centrally apertured plate detachably secured to each end of the casing, a spindle extending axially through the casing and rotatably supported in said apertures, a manipulating crank on one end of the spindle, an abrading roller secured to the spindle and a slot extending through the wall of the casing and throughout the length thereof, the plate at the end of the casing adjacent the crank closing the adjacent end of the slot, and the other plate having a slot alined with the slot in the casing for receiving a shears blade its full length within the casing slot and with its edge in bearing contact with the roller.

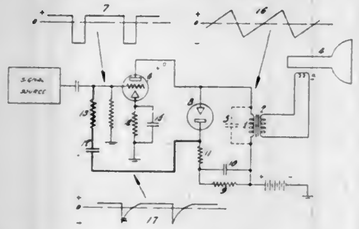
2,251,850
METHOD OF AND APPARATUS FOR PRODUCING STEREOSCOPIC PICTURES
Ciro Fidel Mendez, Mexico City, Mexico
Original application July 8, 1936, Serial No. 89,607. Divided and this application May 6, 1939, Serial No. 272,236
3 Claims. (Cl. 88—16.6)

1. The method of producing stereoscopic pictures which comprises utilizing a normal picture of objects; projecting an abnormal picture produced from said normal picture, and which is vertically distorted to a precisely determined degree upon a plane screen; and reflecting the said abnormal picture from a concave cylindrical surface, placed, adjusted and disposed to produce a horizontally distorted virtual image to compensate the distortion of the projected picture, which surface by laterally and uniformly deviating the reflected light rays produces the required degree of horizontal parallax, uniformly throughout the



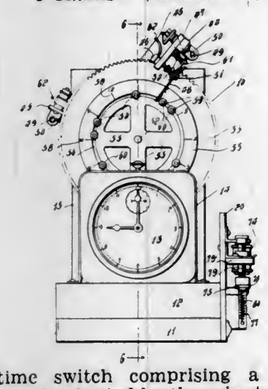
whole picture, to provide for observers at different lateral selected places laterally and parallelly displaced images, so that the binocular vision of each observer registers two images which are at the precise and uniform degree of lateral and parallel displacement to be perceived as a single image in any part of which appear the distances of depth which existed between the objects.

2,251,851
ELECTRON-BEAM DEFLECTING CIRCUIT
Robert C. Moore, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 16, 1939, Serial No. 279,581
16 Claims. (Cl. 250—27)



1. In an electron beam deflecting system wherein a magnetic field is varied to deflect electrons passing therethrough; means responsive to electrical energy supplied thereto from an external source for establishing a varying magnetic field; means coupled to said last means for removing energy from said field, when the strength of said field reaches a maximum in a particular sense, for storing said energy and for returning it to said field so as to build up said field in the opposite sense; means for controllably dissipating the energy contained in said field when it is of said opposite sense; and means for controlling the amount and sense of the energy supplied to said field from said external source in accordance with the rate at which said energy is controllably dissipated.

2,251,852
ELECTRIC TIME SWITCH
Rolland L. Morgan, Merna, Nebr.
Application September 26, 1940, Serial No. 358,518
6 Claims. (Cl. 200—35)



1. A time switch comprising a shaft connected to and actuated by the minute hand shaft of a clock, a disk keyed to said shaft, an electric switch, means carried by the disk for momentarily closing the switch, a pinion keyed to the shaft, a gear wheel meshed with the pinion to be rotated thereby one revolution every twelve revolutions of the shaft, a second electric switch, means carried by the gear wheel for closing the second switch, a toothed wheel, a stud on the gear wheel for engaging the teeth for turning the toothed wheel a revolution every fourteen revolutions of the gear wheel, a pair of spaced contacts, a shaft to which the toothed wheel is connected, and a wheel, of nonconducting material, keyed to said shaft and having spaced strips of conducting material selectively disposed in the periphery thereof for contacting the spaced contacts for bridging the gap therebetween, said switches and contacts being connected in circuit for energizing a signal when both of the switches are closed and the contacts bridged.

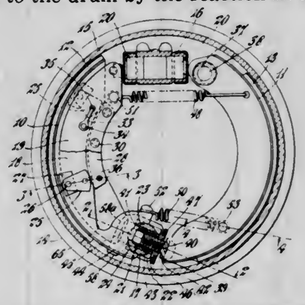
2,251,853
TOOTHBRUSH
Abraham Jothy Pandiyan, Tanjore, Madras, India
Application August 24, 1939, Serial No. 291,787
In Ceylon September 14, 1938
3 Claims. (Cl. 15—176)



1. A tooth-brush comprising a handle having a longitudinal slot extending through one end thereof and a transverse bore adjacent said end and intermediate of the ends of said slot, said bore being internally threaded, and a brush head including a set of bristles and a base in which said bristles are mounted, said base being externally threaded and sized to engage said threaded bore to detachably mount the brush head transversely of the handle.

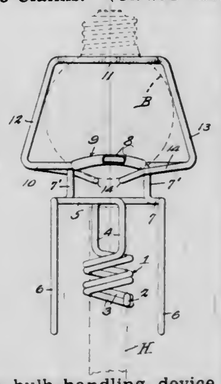
2,251,854
INTERNAL SHOE DRUM BRAKE
Frank Gordon Parnell and Leslie Cyril Chouings, London, England, assignors to Automotive Products Company Limited, London, England
Application February 7, 1940, Serial No. 317,746
In Great Britain March 21, 1939
9 Claims. (Cl. 188—78)

1. An internal shoe drum brake comprising a circumferentially movable shoe engageable with one or other of a pair of abutments at its two ends, depending upon the direction of drum rotation, a spreading means mounted at one end of the said shoe to act directly on the adjacent end of the shoe, a transmission linkage connecting the remote end of the same shoe with the said spreading means, a second shoe which is applied to the drum by the reaction in the trans-



mission linkage, and a thrust member sliding in a housing fixed to the backplate of the brake, which thrust member connects the transmission linkage to the said remote end of the circumferentially movable shoe, said thrust member comprising two tappets which engage respectively with screw threads on the exterior and interior of a rotatable sleeve, whereby the length of the thrust member is adjustable by rotation of the sleeve.

2,251,855
LIGHT BULB HANDLING DEVICE
Edward T. Pringle, Brooklyn, N. Y.
Application December 26, 1940, Serial No. 371,761
5 Claims. (Cl. 294—20)

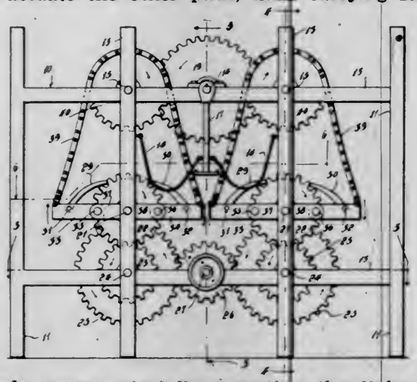


1. A light bulb-handling device formed in a single length of resilient wire bent to provide a handle-engaging coil, opposed spaced bulb-engaging jaws each having an upper V-shaped portion and a lower seat, the V-shaped portions being opposed to each other and the seats being in oppositely disposed position, and connections between the coil and jaws.

2,251,856
POWER DEVICE
Frank Radich, Bluefield, W. Va.
Application August 8, 1940, Serial No. 351,785
3 Claims. (Cl. 74—136)

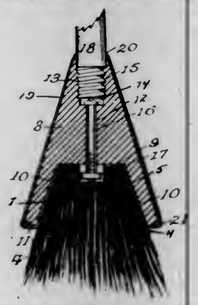
1. Power apparatus of the class described in-

cluding a rotary member, pawls selectively engaging said rotary member operative one at a time, means operable a partial rotation in one direction to operate one pawl, said means being operable a partial rotation in the other direction to actuate the other pawl, links carrying said



pawls, means pivotally mounting the links, a flexible element connected to the links, consisting of a sprocket chain, a sprocket wheel over which said chain is trained, and manually operable means to drive the sprocket wheel alternately in opposite directions.

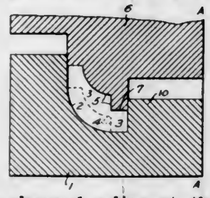
2,251,857
BROOM
William D. Rose, Portland, Oreg.
Application February 24, 1939, Serial No. 258,305
4 Claims. (Cl. 15—176)



1. The broom including a carrier in which the broom straw is secured, a head to receive the carrier, disconnectable means for securing the carrier within the head, a handle removably connected to the head, and a resilient cap stretched over the end of the handle and the head, the cap being held in place at its upper end by the head and underlying and interlocking with the head at its lower end, the end of the cap remote from the handle being interlocked with the head to prevent casual displacement of the cap, the handle being interlocked with the head to prevent casual displacement of the cap.

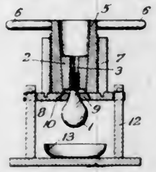
2,251,858
MOLD FOR PLASTIC MATERIAL
Alfred George Snell, Sutton Coldfield, England, assignor to Ashdowns Limited, Liverpool, England
Application March 12, 1938, Serial No. 195,544
In Great Britain March 16, 1937
3 Claims. (Cl. 18—42)

2. For molding an article of plastic material and of frame-like shape, a mold comprising one mold section wherein the article is retained after molding, said mold section being provided with a channel having outer and inner wall surfaces and a bottom surface, and a second mold section cooperating with a portion of the channel surface to provide therewith a molding space of proper contour for said article, said second mold section being provided with a portion arranged



to enter the channel adjacent the inner wall surface thereof and come substantially into contact with a portion of the bottom surface thereof and during the molding operation to space apart the article along its inner edge from said inner wall surface, said portion being withdrawable from the channel after the molding operation without removing the article therefrom whereby to afford space for shrinkage in the article.

2,251,859
APPARATUS FOR THE EXTRACTION OF JUICES
Paul Vásárhelyi, Zurich, Switzerland
Application December 14, 1939, Serial No. 309,297
In Switzerland October 30, 1939
6 Claims. (Cl. 100—44)

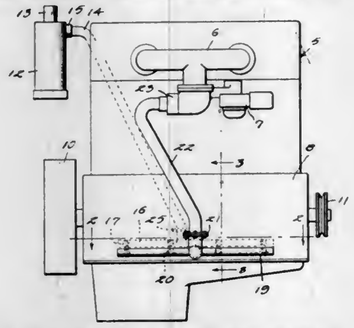


5. In a juice extractor of the kind described the combination of a frame, a bag adapted to contain the material to be squeezed, a nozzle ring mounted in the frame and surrounding the bag, a contractible clamping sleeve for gripping the end of the bag passing through the nozzle ring, an externally threaded traction sleeve having a conical bore engaging said contractible clamping sleeve, and a nut member mounted on the frame and engaging said threaded traction sleeve whereby relative rotation of said traction sleeve and said nut member causes axial movement of the traction sleeve and the clamping sleeve to pull said bag through the nozzle ring.

2,251,860
CRANKCASE VENTILATOR
Omer Vittum, Canton, Ill.
Application March 16, 1939, Serial No. 262,275
1 Claim. (Cl. 123—119)

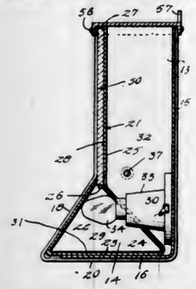
The combination of an engine having a crankcase, means for admitting air to the crankcase, distributor means disposed on one side of said crankcase, said distributor means including a horizontally disposed pipe having a series of inlets extending therefrom and into communication with the interior of said crankcase, means for connecting said distributor with said air admitting means, air discharge means disposed on

the other side of said crankcase and having communication with the intake manifold of said engine, said air discharge means including a horizontal section of pipe disposed on the other side of said crankcase and substantially parallel to said distributor means, and a series of outlets



having communication with the interior of said crankcase and substantially diametrically opposed to said series of inlets, whereby air admitted into said crankcase upon the suction stroke of a piston will be caused to be discharged into the intake manifold of said engine.

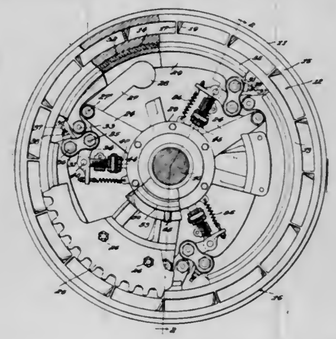
2,251,861
ILLUMINABLE DISPLAY STRUCTURE
Edward A. Willer, Washington, D. C.
Application August 3, 1940, Serial No. 350,749
2 Claims. (Cl. 40—132)



1. In an illuminable display structure, a housing having the upper portion of its front open, an upstanding element within the housing having a vertical part arranged rearwardly of the open front portion of the housing, said part having an opaque front face, transparent panel-like means arranged rearwardly of said open front portion of the housing, forwardly of and in juxtaposition to said face, said means having its rear provided with means to constitute an indicium bearing against said face for display through said transparent means, said element and said housing having coacting means for removably connecting said transparent means to said part in an upright position relative thereto, and means within the housing and extending into said element for illuminating said transparent means from one edge thereof.

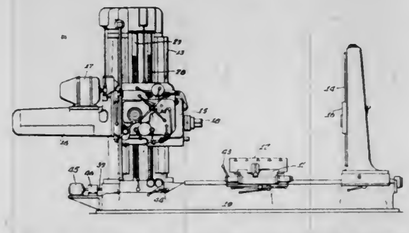
2,251,862
FRICTION CLUTCH
John Hart Wilson, Wichita Falls, Tex.
Application August 1, 1938, Serial No. 222,514
9 Claims. (Cl. 192—75)

1. In a clutch mechanism, a driving member, a driven member having a cylindrical portion provided with an internal clutch surface, and means carried by said driving member for operatively connecting said driving and driven members, said means comprising a plurality of radial arms, levers pivoted on said arms, a plurality of friction elements each having its respective ends connected to adjacent levers, means normally maintaining said levers in inoperative position, whereby said friction elements are spaced from said



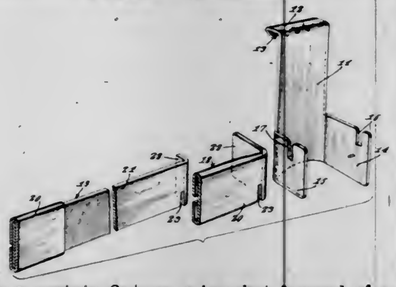
clutch surface of said driven member, and means for simultaneously rocking said levers to move said friction elements into engagement with said clutch surface, the connections between said friction elements and said levers being such that both ends of said friction elements are simultaneously engaged with said driven member, the leading ends of said friction elements moving in paths making a relatively acute angle with said clutch surface and the trailing ends of said friction elements moving approximately radially.

2,251,863
MACHINE TOOL DRIVE
Harry Russell Young, Lower Merion, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application February 27, 1940, Serial No. 321,101
8 Claims. (Cl. 29—26)



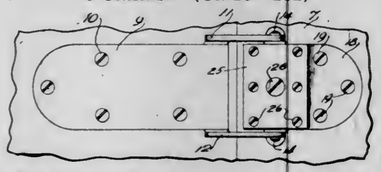
1. In a machine tool embodying a movable head, an axially movable spindle carried by the head, a reversible variable speed transmission having an output shaft controlling the axial movement of this spindle, a second shaft, a driving connection between the second shaft and the output shaft of the transmission including an overrunning clutch, means including an overrunning clutch to drive said second shaft at a higher speed than that at which it may be driven by the first shaft, moving means for said head, and a reversible driving connection between the second-named shaft and said moving means.

2,251,864
NAILLESS CURTAIN FIXTURE
Robert R. Auger, Hampton, N. H.
Application January 24, 1940, Serial No. 315,418
1 Claim. (Cl. 156—22)



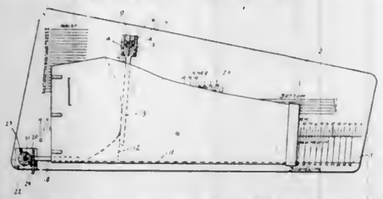
In a curtain fixture, a bracket formed of a flat plate of sheet metal, the upper end portion of the plate being turned rearwardly and then downwardly, the downwardly extending portion being formed of teeth for engaging the upper edge of a window frame, a relatively long flange extending forwardly from the lower portion of the plate, a relatively short flange extending forwardly from the lower portion of the plate parallel with the long flange, there being respective slots in the upper edges of both flanges offset from each other, the slot in the long flange being disposed outwardly in advance of the slot in the short flange, and a pair of extensible lace curtain and drape supporting rod members having rearwardly directed ends to provide flanges adapted to extend along respective flanges of the bracket, the members being provided adjacent the flanges thereof with slots in the lower edges adapted to interengage with respective slots of the flanges of the bracket, the slot of the drape rod being adapted to be interengaged with the slot of the long flange of the bracket and the slot of the lace curtain rod being adapted to be interengaged with the slot of the short flange of the bracket, the flanges of the bracket being of different lengths supporting the rods in spaced relation parallel to the top of the window frame.

2,251,865
HINGE
William E. Barrett, San Antonio, Tex.
Application October 18, 1940, Serial No. 361,792
3 Claims. (Cl. 16—131)



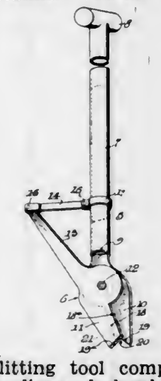
1. In a hinge for connecting a door to a door frame, a housing secured to the outer face of the door frame and extending away from said frame at an angle thereto, said housing having a channel extending therethrough in a direction at a substantial angle to the plane of the door frame, a pintle block disposed in said channel and movable toward and away from said door frame within said channel, a plate secured to said door and having a pair of spaced arms extending over the ends of the housing and its channel, pintles connecting said arms to the ends of the pintle block, a screw shaft journaled in the channel and extending through the block in a direction at a substantial angle with respect to the plane of the door frame, said screw shaft having a threaded engagement with said block, and means to rotate the screw shaft to move the pintle block toward and away from said door frame within the confines of the housing channel.

2,251,866
MEASURING DEVICE FOR GARMENTS
Bryan W. Browning, Terre Haute, Ind.
Application November 27, 1940, Serial No. 367,343
4 Claims. (Cl. 33—2)



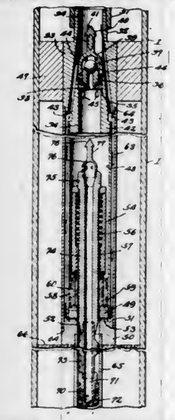
4. A garment measuring device including a baseboard having a dimension scale marked thereon, an arm pivotally mounted on said baseboard for movement about an axis substantially perpendicular to the plane of said baseboard, a latch normally holding said arm in a fixed position with an edge thereof perpendicular to the axis of said scale, whereby said arm may hold a fold of said garment in a definite relation to said scale for measuring a dimension thereof, and spring means adapted to move said arm clear of said fold when said latch is released.

2,251,867
PLANT CAN SPLITTING DEVICE
Calhoun Collins, Bakersfield, Calif., assignor of forty per cent to California Pacific Service, Inc., Bakersfield, Calif., a corporation of California, and twenty per cent to Theodore M. Ryerson, Bakersfield, Calif.
Application June 25, 1940, Serial No. 342,371
5 Claims. (Cl. 30—246)



1. A can splitting tool comprising an elongated vertically disposed shank, relatively fixed and pivoted downwardly projecting shear blades carried by the lower end of said shank, said blades having cutting edges to initially snip a slit through the upper end of the can wall when said blades are closed and to then downwardly continue this initial slit when the closed blades are forced downwardly, an elongated operating member disposed vertically and mounted to slide vertically on said vertically disposed shank, and means connecting said operating member with the pivoted shear blade to close the shears as said operating member is slid downwardly on said shank, said operating member having a rigid hand grip for first sliding said operating member downwardly on said shank to close said shears and cause them to form said initial slit through the can wall, and for then forcing the operating member, shank and closed shears downwardly as a single unit to cause said closed shears to downwardly continue said initial slit, whereby the can wall may be quickly and easily split by placing the shears astride the upper edge of said wall and downwardly pushing said hand grip.

2,251,868
PUMPING APPARATUS
Felix Henry Eckert, San Antonio, Tex.
Application January 13, 1940, Serial No. 313,798
9 Claims. (Cl. 103—46)



1. In well pumping apparatus a working cylinder having an inlet port at its lower end and an outlet port at its upper end, said ports being out of communication, a plunger mounted for gravitation within the cylinder and including a normally open valve positioned to close under upward pressure, a valved pump cylinder opening into the bottom of the working cylinder, a valved tubular piston and stem mounted for gravitation within the pump cylinder and relative to the plunger, cooperating means on the plunger and stem for lifting the stem when the plunger is raised, a control pump having an inlet, an outlet and a by-pass, a normally closed valve in the by-pass, means for directing liquid from said outlet of the control pump to the inlet port and to close the plunger valve, lift the plunger, pump piston and stem, and elevate through the outlet port liquid in the path of the plunger and the piston, and means operating in timed relation with the control pump for opening the by-pass valve when the plunger and piston reach the upper end of their stroke, thereby to relieve the plunger from the lifting force of the fluid from the control pump and release the plunger and piston for gravitation to their normal positions.

2,251,869
PIGMENT
David L. Gamble and James H. Haslam, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 6, 1939, Serial No. 266,410
16 Claims. (Cl. 134—78)

16. In the manufacture of zinc oxide pigment, the improvement which comprises forming a zinc phosphate coating on the surface of zinc oxide particles in the presence of a liquid selected from the group consisting of water and ethyl alcohol by reaction between the zinc oxide and a compound that is soluble in the liquid and tends to bring about dispersion of the zinc oxide particles therein, said compound being selected from the group consisting of meta- and pyrophosphoric acids and the sodium, potassium and ammonium salts thereof.

2,251,870
PIGMENT
David L. Gamble and James H. Haslam, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 11, 1939, Serial No. 267,322
10 Claims. (Cl. 106—296)

1. In the manufacture of a zinc oxide pigment involving coating particles of zinc oxide with a zinc phosphate, the improvement which comprises suddenly heating phosphoric acid to a high temperature to produce metaphosphoric acid in a form selected from the group consisting of vapor and fume and immediately reacting the metaphosphoric acid thus dispersed with dry and heated zinc oxide particles whereby the formation of highly involatile polymers of metaphosphoric acid is obviated.

2,251,871
ZINC OXIDE PIGMENT
David L. Gamble and James H. Haslam, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 1, 1941, Serial No. 391,408
11 Claims. (Cl. 106—296)

1. In the manufacture of a zinc oxide pigment, the improvement which comprises heating zinc oxide while the surfaces of its particles are in contact with an ester of a phosphoric acid to a temperature such that the ester is decomposed and thereby imparting a zinc phosphate coating to the zinc oxide particles.

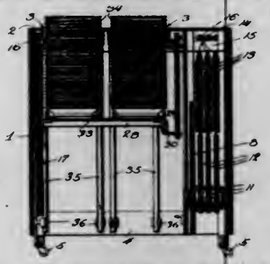
2,251,872
ZINC OXIDE PIGMENT
David L. Gamble and James H. Haslam, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 1, 1941, Serial No. 391,409
6 Claims. (Cl. 106—296)

1. In the manufacture of a zinc oxide pigment, the improvement which comprises heating the zinc oxide while the surfaces of its particles are in contact with phosphorus pentoxide, having a substantial vapor pressure and thereby imparting a zinc phosphate coating to the zinc particles.

2,251,873
APPARATUS FOR STORING AND DISPENSING STACKED ARTICLES
William J. Gibbs, Brooklyn, N. Y.
Original application March 13, 1937, Serial No. 130,787. Divided and this application January 15, 1940, Serial No. 313,960
5 Claims. (Cl. 312—71)

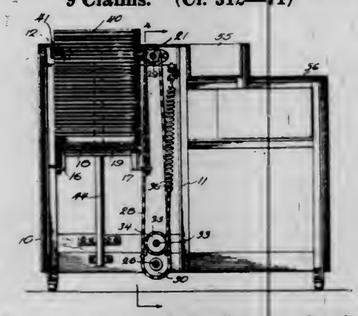
1. In a storing and feeding mechanism for

stacked articles, in combination, an open top support having a plurality of spaced vertical guide rods, a carrier vertically movable between said guide rods adapted to support a stacked load of articles freely movable through the open top, and self adjusting counterbalancing and motivating means for said carrier adapted to automatic-



ally lower and raise said carrier and a stacked load thereon through said open top on respective increase or decrease of the stacked load whereby the uppermost unit of the stacked load is maintained at a predetermined level above the top of the support, said means comprising a calibrated spring tensioning device.

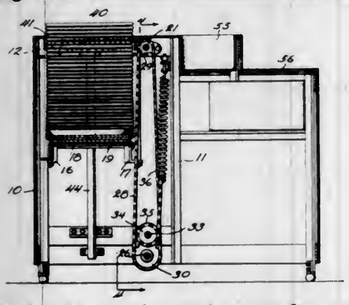
2,251,874
STORAGE AND DISPENSING APPARATUS
William J. Gibbs, Brooklyn, N. Y.
Application January 31, 1940, Serial No. 316,673
9 Claims. (Cl. 312—71)



1. In a storing and feeding mechanism for stacked articles, in combination, a support having an opening therein, a carrier supported by said support, said carrier being adapted to hold and move a stack of articles thereon through said opening so that the uppermost article is freely positioned at a predetermined elevation above said support, a gearing arrangement comprising sprockets and chains mounted on said support and connected with said carrier for holding, hoisting and lowering the carrier to provide the predetermined positioning of the uppermost stacked article, a spring tensioning mechanism operatively associated with said gearing arrangement and the support and means for calibrating the tensioning mechanism to counterbalance said carrier and any load thereon and to hoist or lower said carrier and its load as the load is decreased or increased.

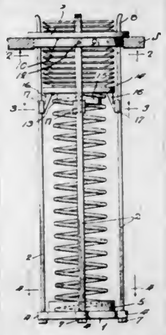
2,251,875
STORAGE AND DISPENSING APPARATUS
William J. Gibbs, Brooklyn, N. Y.
Original application March 13, 1937, Serial No. 130,787. Divided and this application January 31, 1940, Serial No. 316,674
4 Claims. (Cl. 312—71)

1. In a storing and feeding mechanism for stacked articles, in combination, a support having an apertured top portion for passage therethrough of stacked articles, a vertically movable carrier adapted to hold a load of stacked articles extending through the aperture in said top portion with the uppermost article of the stack at a predetermined level, means for movably supporting said carrier comprising a plurality of spaced aligned members rotatably mounted on said support, a plurality of flexible connections engaging said rotatable members and having



ends fixed to the carrier, and means for counterbalancing said carrier and any stacked load thereon so that the uppermost unit of the stack occupies a predetermined position above said top portion, said means comprising a driven shaft connected to ends of said flexible connections and rotatably mounted on said support, a power shaft parallel to said driven shaft, gears connecting said shafts for simultaneous rotation, and means for rotating said power shaft comprising an adjustable calibrated spring tensioning means.

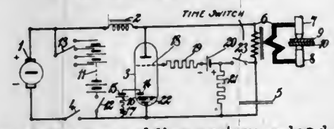
2,251,876
APPARATUS FOR STORING STACKED ARTICLES
William J. Gibbs, Brooklyn, N. Y.
Application September 23, 1940, Serial No. 358,025
6 Claims. (Cl. 312—71)



1. In a device of the character described for feeding and storing stacked articles, an elongated cage structure having a base portion, a plurality of spaced upwardly extending guide rods and a top portion surrounding said rods and fixed thereto adjacent their upper ends to provide extension of the rods beyond the top portion, a carrier for a stacked load of articles arranged for vertical movement between said guide rods, said carrier having outwardly directed bearing portions slidably engaging said rods between said base and top portion, and a compression spring

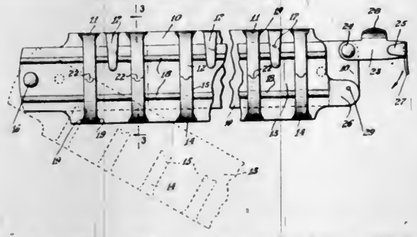
disposed between said carrier and base portion to support said carrier and a load of stacked articles thereon with the uppermost unit of said articles at a predetermined position above said top portion, said spring being calibrated and adapted to expand and raise the stacked articles on the carrier a given distance for each given decrement in the weight of the load, whereby the uppermost unit of the stack is presented for removal at a predetermined level with respect to said top portion.

2,251,877
ELECTRIC RESISTANCE WELDING INSTALLATION
Gerhard Hagedorn, Berlin-Lichterfelde, Germany, assignor to Bernhard Berghaus, Berlin-Lankwitz, Germany
Application May 26, 1939, Serial No. 275,970
In Germany June 3, 1938
6 Claims. (Cl. 250—36)



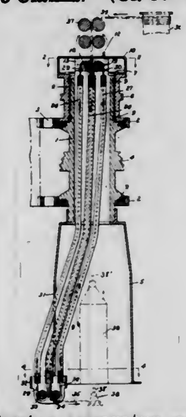
1. In a resistance welding system, a load transformer having a primary winding, a condenser connected in series circuit relation with respect to the primary winding, a grid controlled gaseous discharge tube having a cathode and an anode connected across the condenser and the primary winding so that the tube is arranged in parallel circuit relation with respect to the primary winding and the condenser to provide an oscillating circuit, a source of direct current, a circuit for connecting said source across the anode and cathode of said tube, a choke coil arranged in said circuit, a grid biasing circuit connected to said tube, and a switch for connecting said grid biasing circuit to said oscillating circuit between the primary winding and the condenser.

2,251,878
LOOSE-LEAF BINDER
Atto N. Hanna, Newark, and Frederick Hafekost, Hopatcong, N. J.; said Hafekost assignor to said Hanna
Application January 25, 1939, Serial No. 252,710
9 Claims. (Cl. 129—10)



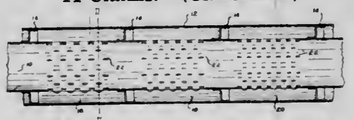
1. A loose leaf binder embodying therein sheet metal base and movable strips, means adjacent one end of said strips permitting pivotal movement of the latter strip, a plurality of complementary posts formed integrally with and projecting upwardly from one edge of, and partway across, said strips, each post having a single thickness of metal adjacent said strip and its opposite edges turned inwardly and downwardly and closed upon the intermediate portion thereof from the single thickness of metal adjacent the strip to the extremity of the post, the single thickness portion of the post adjacent the strip being of relatively greater width than the post and extending in a triangular form upwardly of the post, and a plurality of tongues formed integrally with, and projecting from the edge of, said base strip, said tongues overlaying, being parallel with and spaced from said base strip a distance substantially equalling the thickness of said movable strip, whereby said movable strip will be firmly held in close abutting relation to said base strip, turning movement thereof in one direction is limited, lifting of the posts thereon in relation to the posts upon the base strip is prevented, said tongues are interposed between said movable strip and the leaves in the binder, and both strips contribute toward the rigidity of the binder.

2,251,879
SPINNING APPARATUS
Sokichi Akaboshi, Higashinagasu, Amagasaki, Japan
Application May 17, 1940, Serial No. 335,856
5 Claims. (Cl. 57—66)



1. In a spinning apparatus, an inner cylinder, an outer cylinder rotatable about the inner cylinder, said cylinders designed to be simultaneously rotated in the same direction at different speeds, a head supported upon the upper end of the inner cylinder and having a feed opening therein for passage of the material to be acted on to the inner cylinder, a conveyor for the material extending through the inner cylinder, means arranged at the upper and lower ends of the inner cylinder for supporting the conveyor for travel in said cylinder, and gearing between the conveyor and outer cylinder for driving said conveyor.

2,251,880
MUFFLER AND SILENCER CONSTRUCTION
Beecher B. Cary and Charles Hollerith, Jackson, Mich., assignors to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application April 24, 1936, Serial No. 76,114
11 Claims. (Cl. 181—48)



1. In muffler constructions and the like, a conduit section forming a passage for exhaust gases, acoustic wave attenuating structure embracing

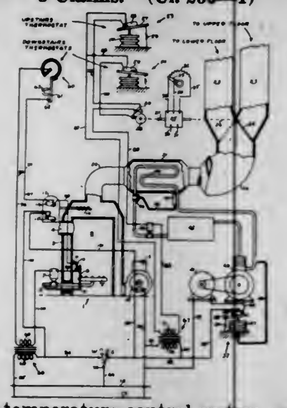
said conduit, louvers defined in the wall of said conduit, said louvers being formed from continuous portions of said wall radially disposed out of the general contour of said wall to provide arches, said wall having openings bridged by said arches, and additional openings defined by said arches and wall upon opposite sides of said arches constituting continuations of said first openings, said arches being axially disposed of said conduit and paralleling the direction of flow of said gases.

2,251,881

ZONE AIR CONDITIONING CONTROL SYSTEM

Ellsworth H. Danielson, Des Moines, Iowa, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application June 23, 1938, Serial No. 215,429
3 Claims. (Cl. 236—1)



1. In a temperature control system comprising, means for changing the temperature of a fluid medium, a plurality of zones, means for circulating the fluid medium from said temperature changing means into said zones, flow regulating means for dividing the fluid between said zones, a single motor for positioning said flow regulating means, modulating control means for said motor for causing the same selectively to position said flow regulating means in any predetermined position between extreme positions in which the fluid is substantially all directed into one of said zones, a switch positioned by said motor in accordance with damper position, a controller in each of said zones responsive to a condition in said zone indicative of the need of operation of said temperature changing means and adapted to control said temperature changing means, means including said switch for placing in control of said temperature changing means the controller in the zone to which the greater portion of the air is being directed.

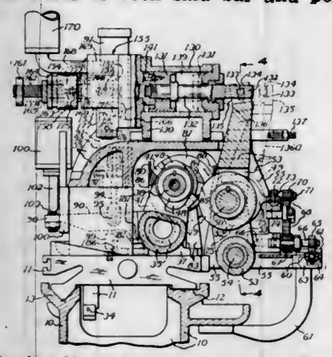
2,251,882

CAM GRINDING MACHINE

Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application May 17, 1940, Serial No. 335,656
5 Claims. (Cl. 51—101)

1. In a cam grinding machine having a rotatable grinding wheel, a rock bar, a rotatable camshaft support on said rock bar, means including a master cam and a follower roller to impart an oscillatory movement to the rock bar to generate a predetermined contour on a cam blank, and a feeding mechanism for moving said roller transversely including a hydraulic piston and cylinder operatively connected to impart a comparatively rapid transverse movement to said follower roller to rock said bar and position a



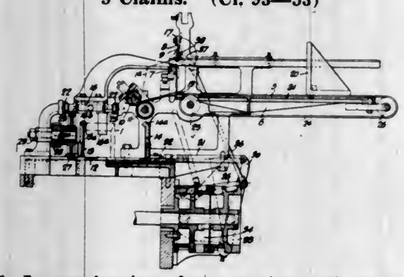
cam blank adjacent to the operative face of the grinding wheel, and a hydraulic feed regulator operatively connected with said piston and cylinder to reduce the rapid transverse movement of the follower roller to a slow transverse movement to control the oscillation of the rock bar so as to produce a grinding feed.

2,251,883

MEANS FOR ERECTING CARTONS

Carl Wilhelm Hartmann, Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland

Application April 27, 1940, Serial No. 332,030
In Great Britain May 24, 1939
5 Claims. (Cl. 93—53)



1. In mechanism for squaring out collapsed tubular carton blanks with four side panels and for feeding them on to a former, abutments between which the carton blanks are brought to open square tubular form, means varying the separation between said abutments, means feeding the carton blanks in substantially flattened form between the abutments during the widest separation of the abutments, and means to push the cartons from between said abutments on to the former during the minimum separation stage of said abutments.

2,251,884

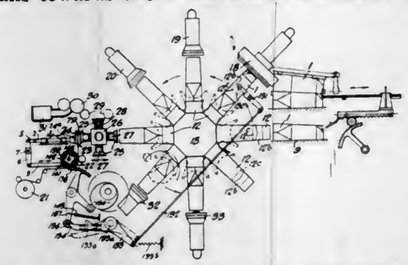
MEANS FOR APPLYING SEALING STRIPS, LABELS, OR THE LIKE, TO CARTON ENDS

Carl Wilhelm Hartmann, Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland

Application April 27, 1940, Serial No. 332,032
In Great Britain May 24, 1939
10 Claims. (Cl. 216—25)

1. Means for applying seals on to the ends of

cartons comprising a member connected internally to a source of suction, means to feed successively seals on to said member, a series of formers each adapted to receive a carton, said member being adapted by reason of the suction to pick up a seal and then to be moved from said feeding means towards one of the series of formers and



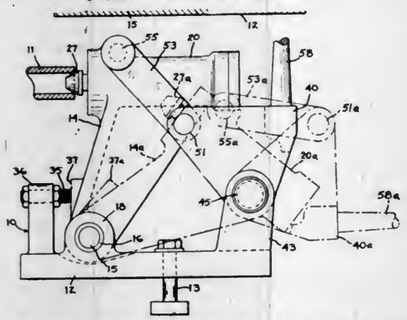
to be pressed against the carton on the appropriate former and simultaneously disconnected from the source to deposit the seal on the carton, and means with said formers adapted to automatically arrest the seal feeding means in the absence of a carton on one of the formers approaching the seal applying stage.

2,251,885

GRINDING MACHINE FOOTSTOCK

Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application April 25, 1941, Serial No. 390,246
6 Claims. (Cl. 51—237)



1. A footstock for an abrading machine comprising a footstock base, a frame pivotally supported on said base, a footstock center, a rotatable sleeve in said frame to support said center, and manually operable means to swing said frame to either an operative or inoperative position.

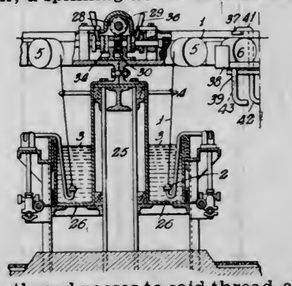
2,251,886

APPARATUS FOR THE MANUFACTURE OF THREAD

William Jannell, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Original application September 20, 1935, Serial No. 41,447. Divided and this application March 13, 1939, Serial No. 261,434
9 Claims. (Cl. 18—8)

1. Apparatus for the manufacture of thread comprising a longitudinally extending trough containing a coagulating liquid, said trough having a working face on one side thereof; a unitary, self-threading thread-advancing thread store device of cantilever construction mounted above the level of the liquid in said trough with its unsupported end presented to said operating face, said thread-advancing thread store device being disposed with respect to said trough in such fashion that at least a portion of its horizontal projection will lie within the lateral limits of the trough; a spinning nozzle in said trough from



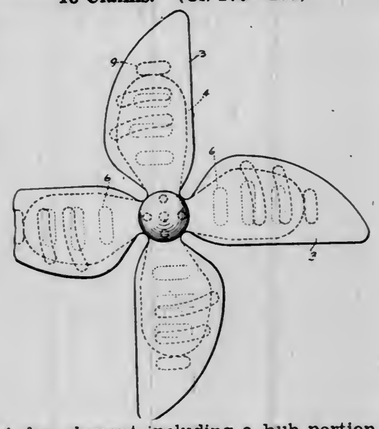
which the thread passes to said thread-advancing thread store device without crossing the lateral limits of said trough; and take-up means disposed beyond the lateral limits of said trough to which take-up means the thread passes from said thread-advancing thread store device.

2,251,887

FLEXIBLE FAN UNIT

Everett P. Larsh, Vandalia, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio

Application June 13, 1938, Serial No. 213,359
18 Claims. (Cl. 170—159)



1. A fan element including a hub portion and a plurality of integrally united blades molded to shape from rubber, a unitary metallic petaliform core member of sheet metal reinforcing the hub and inner radial end only of each blade, the outer radial portion of each blade being free from any reinforcement and being sufficiently soft and flexible to yield upon engagement with an object and having capacity to resume its shape when free from the object.

2,251,888

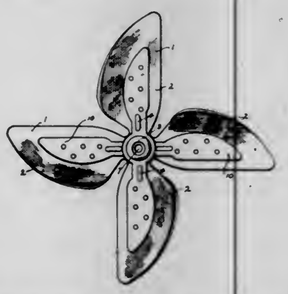
FAN BLADE UNIT

Jerome Leflar, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio

Original application August 28, 1935, Serial No. 38,225. Divided and this application December 27, 1938, Serial No. 247,766
2 Claims. (Cl. 170—159)

1. In a rotary fan impeller, a single unitary

reinforcement member of strain resistant character including multiple radially disposed leaves and a central portion integrally connecting the leaves one with another in inclined relation to their plane of rotation, and extensions of flexible material projecting beyond margins of the leaves,



said material being amply flexible to yield under impact engagement with an object while rotating at normal speed and of sufficiently resilient character to automatically reassume normal relation upon release from pressure, the leaves being sufficiently resistant to deflection to maintain their radial relation and pitch inclination at all times.

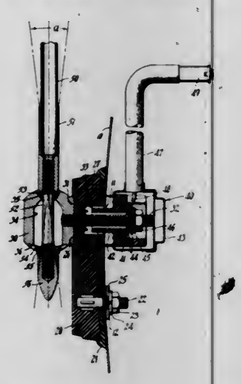
2,251,889

ANTENNA MOUNTING

Sidney Ludwig, Cleveland, Ohio, assignor to The Ward Products Corporation, Cleveland, Ohio, a corporation of Ohio

Application January 17, 1940, Serial No. 314,253

3 Claims. (Cl. 250—33)



1. In an automobile antenna mounting, an antenna, a vertically elongated housing, said housing having a socket in its upper portion, a slot in its lower portion, and a bore connecting said socket and said slot, said antenna being carried by said housing so that the axis of said antenna extends through said socket and slot, a curved bearing surface in said socket, a bearing member carried by said antenna, a curved surface on said bearing member mating with the curved surface in said socket to permit said antenna to pivot about the center of said mating curved surfaces, a bolt extending into the said bearing member, one end of said bolt being connected to said antenna, and a nut on the other end of said bolt to lock said antenna and bearing member with respect to said housing.

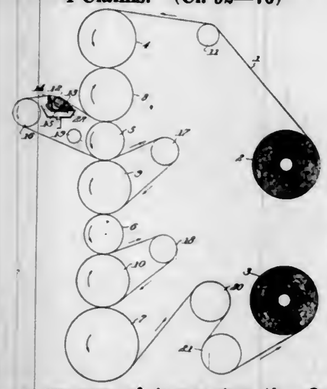
2,251,890

SUPERCALENDERING PROCESS

William J. Montgomery, Hamilton, Ohio, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio

Application June 25, 1937, Serial No. 150,410

4 Claims. (Cl. 92—76)



1. In a process of increasing the finish-imparting effect of a supercalendering operation by moistening one surface of a traveling paper web and pressing that surface against a metallic supercalender roll by means of a non-metallic supercalender roll before material penetration of the moisture into the body of the web, the improvement which comprises interposing in the supercalendering operation after a partial supercalendering the steps of flooding that surface of the web with water while out of contact with the supercalender roll and substantially immediately thereafter wiping off the surplus whereby a substantially uniform layer of water remains on and substantially confined to said surface at the time it is next pressed against a metallic roll by a non-metallic roll, the web being maintained at the strong uniform tension normally present in a paper web passing between nips in a supercalender to secure uniformly thorough wiping.

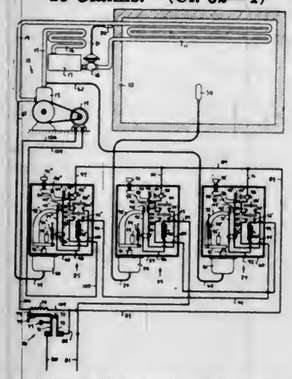
2,251,891

REFRIGERATION CONTROL SYSTEM

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 6, 1938, Serial No. 228,508

19 Claims. (Cl. 62—4)



9. In a refrigeration system including a refrigerating apparatus having a compressor and evaporator means, the combination with said apparatus of, a first relay including operating means and switch means operated thereby, a second relay including operating means and switch means operated thereby, first switching means, circuit connections controlled by the first switching means to energize the operating means of the first relay for closing the switch means thereof, second switching means, circuit connections controlled by the second switching means and the switch means of the first relay to energize the operating means of the second relay for closing the switch means thereof providing the switch means of the first relay is closed, whereupon opening of the switch means of the first relay opens the switch means of the second relay, means responsive to pressure on the high pressure side of the refrigerating apparatus for operating one of the switching means, means responsive to a condition which is a measure of evaporator temperature for operating the other switching means, and circuit connections controlled by the switch means of the second relay for operating the compressor only when the switch means of both relays are closed.

2,251,892

CAPILLARY ACTIVE COMPOUNDS AND PROCESS OF PREPARING THEM

Ludwig Orthner, Carl Platz, and Hans Keller, Frankfort-on-the-Main, and Heinz Sönke, Bad Soden in Taunus, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application January 14, 1939, Serial No. 250,928. In Germany January 17, 1938

8 Claims. (Cl. 260—457)

1. The process of preparing capillary active compounds which comprises causing compounds of the general formula

$$R{-}N{-}R_1 \quad (H)$$

wherein R and R_1 stand for aliphatic hydrocarbon radicals containing at least 3 carbon atoms and R and R_1 together containing at least 11 carbon atoms, to react with phosgene and subsequently causing the condensation products to react with a member of the group consisting of aliphatic and aromatic amino compounds substituted by a radical of the group consisting of SO_3H, OSO_3H and COOH.

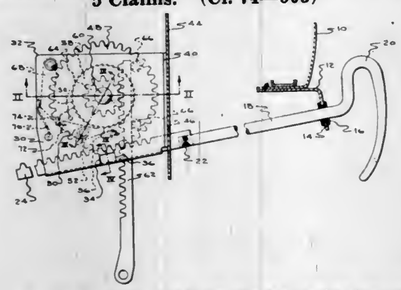
2,251,893

BRAKE ACTUATOR

Samuel A. Snell, Jackson, Mich., assignor to Townsend F. Beaman, Jackson, Mich., as trustee

Application February 24, 1940, Serial No. 320,587

5 Claims. (Cl. 74—503)



1. A push-pull parking brake actuator comprising a push-pull member including a gear rack, a relatively large pinion continuously meshing with said rack supported for rotation about a fixed axis, a smaller pinion supported for rotation about said axis, a second gear rack continuously meshing with said smaller gear for applying and releasing the brake upon axial movement thereof in opposite directions, a one-way clutch imposed between said pinions for causing said pinions to rotate as a unit when said member is pulled outwardly, means for dogging said smaller pinion when rotated into a brake applying position, said larger pinion having declutched retro-movement into its initial position upon an inward push movement of said member.

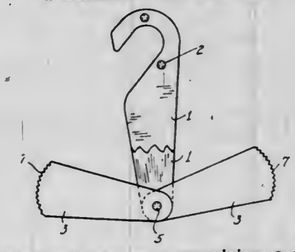
2,251,894

GARMENT HANGER

George A. Mizer, Hinsdale, Ill.

Application May 19, 1939, Serial No. 274,579

2 Claims. (Cl. 223—95)



1. A garment hanger comprising a suspension element with a pair of substantially flat opposite side faces; a pair of arms with similarly flat opposite side faces pivoted at their inner ends to said suspension element with a sufficient pressure to require a forcible manual shifting to move the arm elements into fully superimposed relation onto said suspension element to inoperative collapsed position, or into divergent but unaligned operative position to engage the garment, whereby said device will of itself hold its form at any point of adjustment at any release of said manual shifting force, said arm elements having garment-engaging notched portions integral therewith along their outer ends, the opposed faces of all of said elements being substantially mutually parallel so as to be superimposed over one another with a minimum overall thickness.

2,251,895

PRODUCTION OF TETRAHYDROFURANES

Walter Reppe, Otto Hecht, and Adolf Steinhofer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 4, 1938, Serial No. 233,248. In Germany October 29, 1937

1 Claim. (Cl. 260—345)

In the production of tetrahydrofuranes from 1.4-butyleneglycols the step which consists in heating a liquid 1.4-butyleneglycol in the presence of aluminium oxide at a temperature at which a mixture of tetrahydrofurane and water distils off.

2,251,896

SAFETY DEVICE

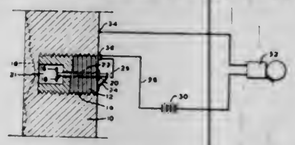
Calvin A. Rising and John Donald MacKnight, Mount Vernon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application April 26, 1939, Serial No. 270,046

3 Claims. (Cl. 200—81)

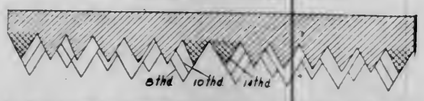
1. An electrical circuit closing device adapted

to be actuated by the pressure exerted by fluid tending to escape through an opening in a vessel wall, which comprises a plug disposed within said opening, a member slidably disposed through said plug, resilient means for normally retain-



ing said member a predetermined distance within said plug, and an electrical contact member positioned opposite the outer end of said slidable member and adapted to be engaged by said member on a predetermined increase in pressure in said opening.

2,251,897
THREAD PROTECTOR
Arthur B. Severn, Pittsburgh, Pa.; Helen R. Severn, administratrix of said Arthur B. Severn, deceased
Application May 11, 1939, Serial No. 273,017
2 Claims. (Cl. 138—96)



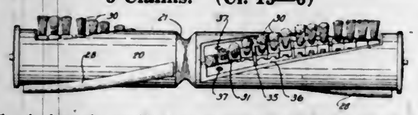
1. In a pipe thread protector of the character described, a filler member adapted for use with a plurality of different diameters of pipe having standard even thread sizes falling within a predetermined minimum and maximum number of threads per inch of threaded length of pipe and comprising a long rectangularly shaped strip of relatively soft material having formed on one face thereof threads shaped to correspond to the size of the pipe thread of the said maximum number of threads and spaced to engage only the pipe thread at both ends and at the middle of each inch of length of thread of the minimum number of threads per inch, said filler member being prepared for use by cutting off from the said long strip the required length of filler to suit the periphery of pipe with which it is used.

2,251,898
UNITARY VOLT REDUCING DROP CORD
Carl C. Sittler, Chicago, and Alva J. Godshalk, Downers Grove, Ill.
Application June 29, 1939, Serial No. 281,878
1 Claim. (Cl. 171—97)



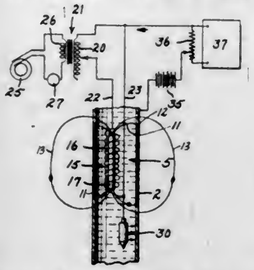
A single unitary one-piece drop cord adapted to be moved from one position to another as a single unit and comprising conductors of appreciable length, a connector connected to each of the ends of the conductors, a transformer interposed intermediate the ends of the conductors and electrically connected thereto whereby one connector may be electrically connected to a source of supply of high voltage and the other connector to an element to provide low voltage thereto, and a flexible rubber casing extending from one connector to the other and surrounding the conductors and transformer to provide a water-tight covering therefor, said casing being integral from one end to the other.

2,251,899
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application November 28, 1938, Serial No. 242,711
5 Claims. (Cl. 15—6)



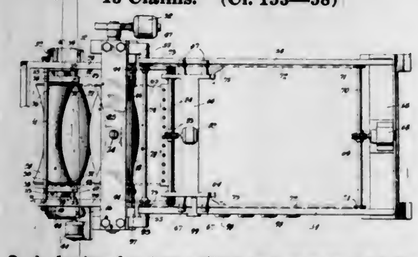
1. A brush unit for incorporation into a rotary agitator for suction cleaners comprising a rigid back and a series of individually pivoted helically arranged brush elements mounted on said back upon fixed axes.

2,251,900
WELL SURVEYING
Bernard S. Smith, Galveston, Tex., assignor of fifty per cent to J. J. Kane, Galveston, Tex.
Application September 24, 1938, Serial No. 231,531
23 Claims. (Cl. 175—182)



16. A method of determining the nature of the earth formations penetrated by a bore hole comprising passing an electric current through a conductor within the bore hole, subjecting the conductor and the surrounding formation to a magnetic flux and ascertaining the effect upon such current of the magnetic field set up in the formation and the conductor.

2,251,901
METHOD AND APPARATUS FOR ROLLING CURVED SHEETS
Edmund B. Cairns, Naugatuck, Conn., assignor, by mesne assignments, to Cairns Corporation, New York, N. Y., a corporation of Delaware
Application July 27, 1938, Serial No. 221,474
In Great Britain August 5, 1937
13 Claims. (Cl. 153—58)



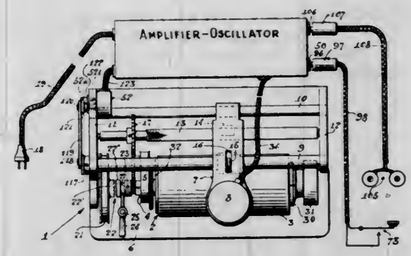
2. A device for imparting transverse and longitudinal curvatures to sheets of metal comprising a main frame, crowning rolls having complementary curved surfaces mounted in the main frame, a second frame pivotally connected to the

main frame, complementary curved forming elements movable axially of the secondary frame, means for moving a sheet of metal through and in engagement with said crowning rolls and forming elements and means for shifting the forming elements axially of the secondary frame and moving the latter about its pivot.

5. A rolling device comprising a pair of forming rolls, a draw bench, a carriage movable along the draw bench, means on said carriage for gripping a sheet of metal and drawing it between the forming rolls, a plurality of switches adjustably mounted on the draw bench, means on said carriage for operating said switches, an electric motor for bodily moving the forming rolls through an arcuate path and an electrical circuit having variable resistances therein controlled by the switches for varying the speed of operation of the motor.

2,251,902
CODE PRACTICE SET
Orville M. Dunning, Glen Ridge, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application September 10, 1940, Serial No. 356,181
15 Claims. (Cl. 35—14)

1. In a system of the character described: the combination of a phonographic translating device and control means associated therewith operable to place the device into recording and other conditions; an oscillation generator; and means, controlled by said control means and operated inci-

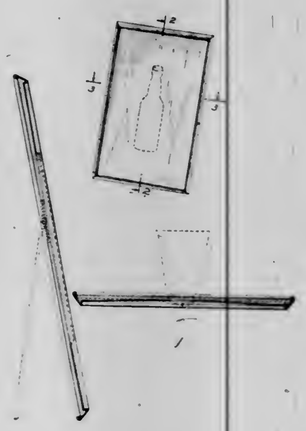


dental to the placing of said translating device into recording condition, for rendering said oscillation generator operable and concurrently connecting the output of the same to said translating device.

DESIGNS

AUGUST 5, 1941

128,600
DESIGN FOR AN ADVERTISING SIGN OR SIMILAR ARTICLE
Maurice H. Byrne, Oak Park, Ill.
Application May 3, 1940, Serial No. 92,107
Term of patent 7 years



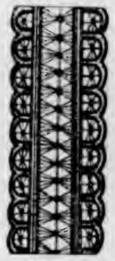
The ornamental design for an advertising sign or similar article, substantially as shown and described.

128,601
DESIGN FOR A BABY SANTA CLAUS DOLL
Ruth E. Chaine, New York, N. Y.
Application May 29, 1941, Serial No. 101,220
Term of patent 7 years



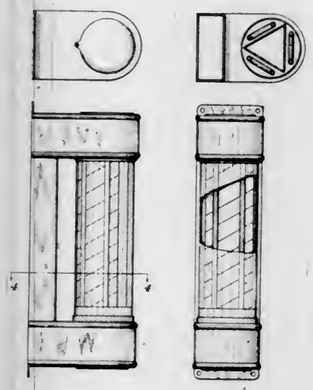
The ornamental design for a baby Santa Claus doll, as shown.

128,602
DESIGN FOR A LACE TRIMMING OR SIMILAR ARTICLE
Otto Hallbauer, West Englewood, N. J., assignor to Stein-Tobler Co. Inc., Union City, N. J., a corporation of New Jersey
Application April 28, 1941, Serial No. 100,655
Term of patent 3½ years



The ornamental design for a lace trimming or similar article, substantially as shown.

128,603
DESIGN FOR A DISPLAY SIGN
Ernest D. Maloy, Cedar Rapids, Iowa, assignor to Mack Manufacturing Corporation, a corporation of Iowa
Application January 9, 1941, Serial No. 97,910
Term of patent 7 years



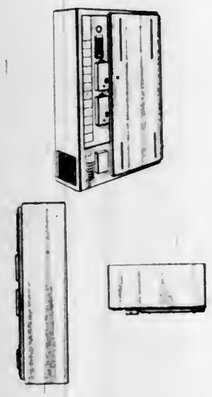
The ornamental design for a display sign, as shown.

128,604
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Arthur B. Shiplett, Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application December 13, 1940, Serial No. 97,293
Term of patent 14 years



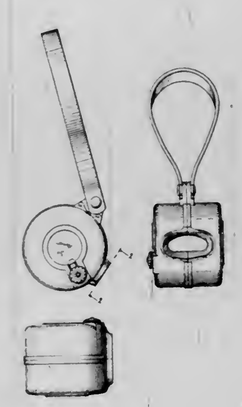
The ornamental design for a bottle or similar article, as shown and described.

128,605
DESIGN FOR A CABINET FOR A VENDING MACHINE
Milton L. Smith, Chicago, Ill.
Application February 19, 1941, Serial No. 99,118
Term of patent 14 years



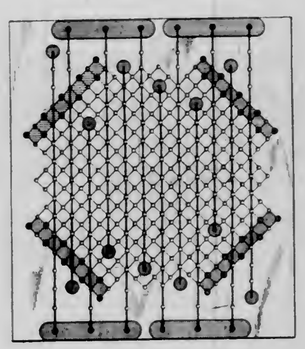
The ornamental design for a cabinet for a vending machine, substantially as shown.

128,606
DESIGN FOR A LEASH HANDLE
Samuel F. Stickell, Forest Hills, N. Y.
Application May 29, 1941, Serial No. 101,221
Term of patent 14 years



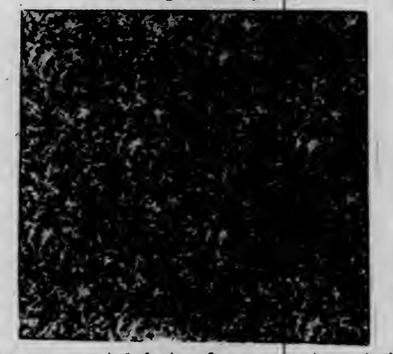
The ornamental design for a leash handle, substantially as shown.

128,607
DESIGN FOR A GAME BOARD
Samuel J. Tatem, Collingswood, N. J.
Application May 1, 1941, Serial No. 100,735
Term of patent 7 years



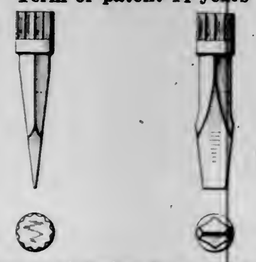
The ornamental design for a game board, as shown and described.

128,608
DESIGN FOR A CARPET OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application June 24, 1941, Serial No. 101,635
Term of patent 7 years



The ornamental design for a carpet or similar article, substantially as shown and described.

128,609
DESIGN FOR A SCREW DRIVER BIT
Edwin A. Bakeman, Belding, Mich., assignor of one-half to John H. Van Camp, Belding, Mich.
Application February 7, 1941, Serial No. 98,835
Term of patent 14 years



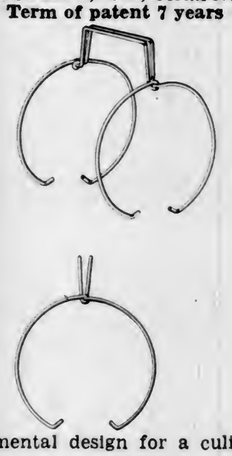
The ornamental design for a screw driver bit, as shown.

128,610
DESIGN FOR A FOOD MOLD OR SIMILAR ARTICLE
Marie Baker, Salem, Oreg.
Application April 22, 1941, Serial No. 100,549
Term of patent 14 years



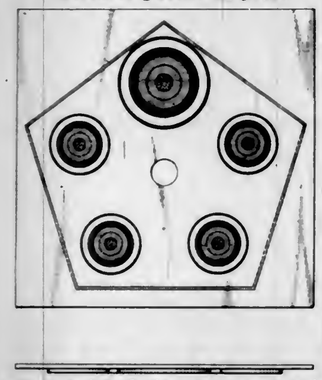
The ornamental design for a food mold or similar article, substantially as shown.

128,611
DESIGN FOR A CULINARY TONGS
Lee O. Barnes, Portland, Oreg.
Application June 2, 1941, Serial No. 101,263
Term of patent 7 years



The ornamental design for a culinary tongs, as shown.

128,612
DESIGN FOR A GAME BOARD
John H. Beck, Kansas City, Mo.
Application May 24, 1941, Serial No. 101,121
Term of patent 14 years



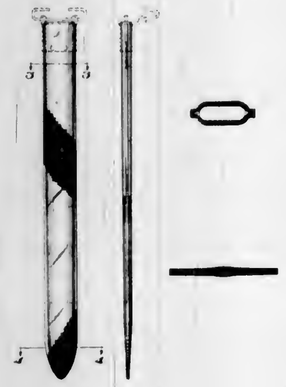
The ornamental design for a game board, as shown.

128,613
DESIGN FOR A DISPENSER CAP
John D. Becker, Chowchilla, Calif.
Application June 9, 1941, Serial No. 101,357
Term of patent 3½ years



The ornamental design for a dispenser cap, as shown.

128,614
DESIGN FOR A SCABBARD
Edwin L. Beckwith, Brookline, Mass.
Application December 23, 1939, Serial No. 89,102
Term of patent 14 years



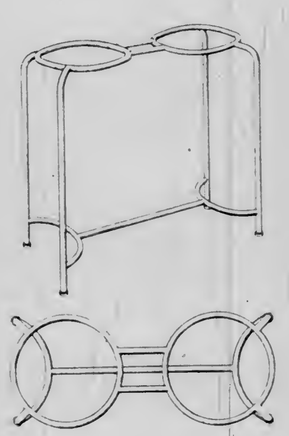
The ornamental design for a scabbard, substantially as shown and described.

128,615
DESIGN FOR A HANGER FOR DOLL CLOTHING
Rose M. Borden, New York, N. Y., assignor to Debby Doll Dress Co., Brooklyn, N. Y., a copartnership consisting of Max A. Borden, Rose M. Borden, and Dorothy E. Borden
Application January 24, 1941, Serial No. 98,353
Term of patent 14 years



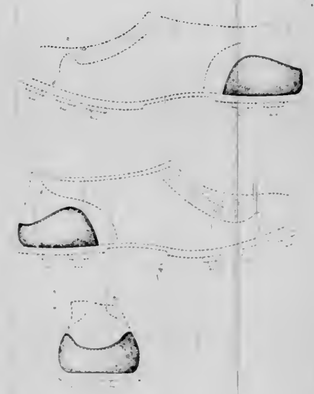
The ornamental design for a hanger for doll clothing, substantially as shown.

128,616
DESIGN FOR A BASIN HOLDING STAND
John W. Boren, Marinette, Wis.
Application May 2, 1941, Serial No. 100,744
Term of patent 7 years



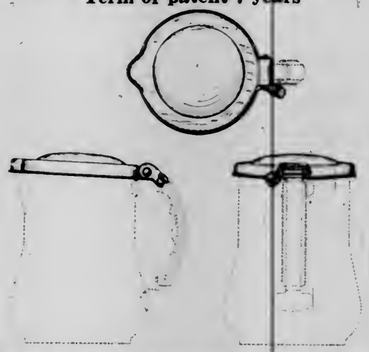
The ornamental design for a basin holding stand, substantially as shown.

128,617
DESIGN FOR A SHOE
David R. Brady, Highland Park, Mich., assignor to David R. Brady and J. Windsor Davis, joint trustees for the Brady Research Company, Detroit, Mich., a joint-venture company
Application May 25, 1940, Serial No. 92,590
Term of patent 14 years



The ornamental design for a shoe, substantially as shown and described.

128,618
DESIGN FOR A PITCHER OR SIMILAR ARTICLE
Samuel C. Brickley, Arnold, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application March 29, 1941, Serial No. 99,999
Term of patent 7 years



The ornamental design for a pitcher or similar article, substantially as shown and described.

128,619
DESIGN FOR A TRANSPARENT BOX TOE SHOE
Albert J. Cocozella, Lynn, Mass., assignor, by mesne assignments, to Harold M. Fisher, Brookline, Mass., and said Cocozella
Application August 23, 1940, Serial No. 94,595
Term of patent 14 years



The ornamental design for a transparent box toe shoe, substantially as shown and described.

128,620
DESIGN FOR A SUIT BUTTON
Peary Cohen, Waterbury, Conn., assignor to The Waterbury Button Company, Waterbury, Conn., a corporation of Connecticut
Application March 7, 1941, Serial No. 99,406
Term of patent 7 years



The ornamental design for a suit button, as shown.

128,621
DESIGN FOR A PIANO CASE
Wilbur M. Day, Norwood, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application April 30, 1941, Serial No. 100,717
Term of patent 7 years



The ornamental design for a piano case, substantially as shown.

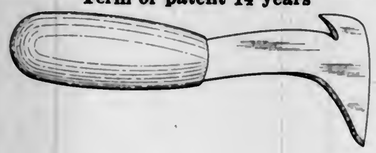
128,622
DESIGN FOR A CONTAINER CAP
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 13, 1941, Serial No. 101,445
Term of patent 7 years





The ornamental design for a container cap, substantially as shown.

128,623
DESIGN FOR A ROOFING AND LINOLEUM KNIFE
George W. Dorcas, Denver, Colo.
Application March 10, 1941, Serial No. 99,452
Term of patent 14 years





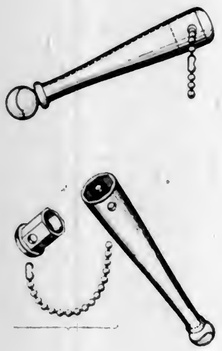
The ornamental design for a roofing and linoleum knife, as shown and described.

128,624
DESIGN FOR A BOTTLE
Ernest L. Du Pree, Chappaqua, N. Y., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware
Application May 14, 1941, Serial No. 100,936
Term of patent 14 years



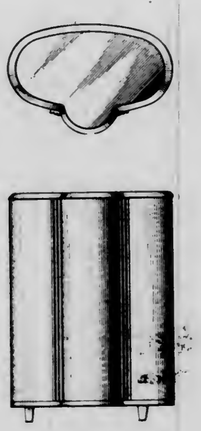
The ornamental design for a bottle, as shown.

128,625
DESIGN FOR A COMBINED KEY CHAIN AND LICENSE HOLDER
Howard L. Fischer, St. Paul, Minn.
Application January 23, 1941, Serial No. 98,341
Term of patent 14 years



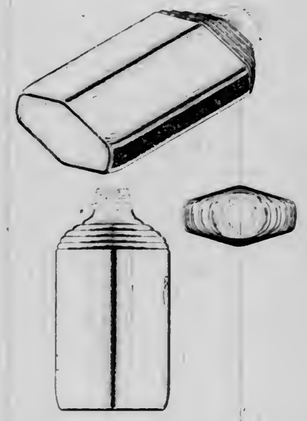
The ornamental design for a combined key chain and license holder, as shown.

128,626
DESIGN FOR A HAMPER OR SIMILAR ARTICLE
Harold Gleitsman, New York, N. Y.
Application May 22, 1941, Serial No. 101,087
Term of patent 14 years



The ornamental design for a hamper or similar article, as shown.

128,627
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Meredith Stewart Ireys, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application June 19, 1941, Serial No. 101,557
Term of patent 14 years



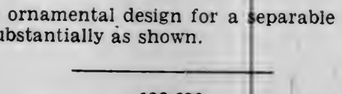
The ornamental design for a bottle or similar article, substantially as shown and described.

128,628
DESIGN FOR A SEPARABLE BROOCH PIN
Christian Arpad Jakobb, Bayside, N. Y.
Application June 12, 1941, Serial No. 101,426
Term of patent 3½ years



The ornamental design for a separable brooch pin, substantially as shown.

128,629
DESIGN FOR A FINGER RING
Felix P. Kinsley, St. Louis, Mo.
Application June 20, 1941, Serial No. 101,577
Term of patent 14 years



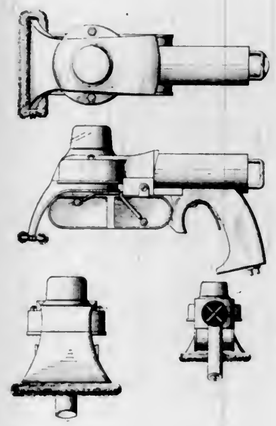
The ornamental design for a finger ring, as shown.

128,630
DESIGN FOR A FINGER RING
Felix P. Kinsley, St. Louis, Mo.
Application June 20, 1941, Serial No. 101,578
Term of patent 14 years



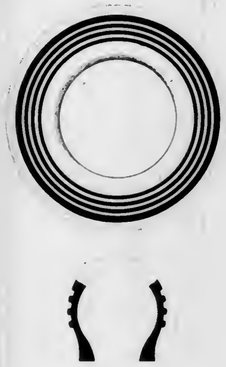
The ornamental design for a finger ring, as shown.

128,631
DESIGN FOR A VACUUM CLEANER
Walter Krebs, Jamaica, N. Y., assignor to Streamliner Manufacturing Company, New York, N. Y.
Application January 23, 1941, Serial No. 98,305
Term of patent 7 years



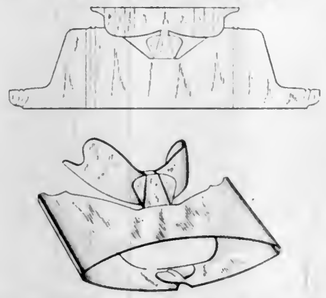
The ornamental design for a vacuum cleaner, as shown.

128,632
DESIGN FOR A PNEUMATIC TIRE
Bert Lee, Sacramento, Calif., assignor of one-half to Donald R. da Roza, Sacramento, Calif.
Application April 4, 1940, Serial No. 91,471
Term of patent 3½ years



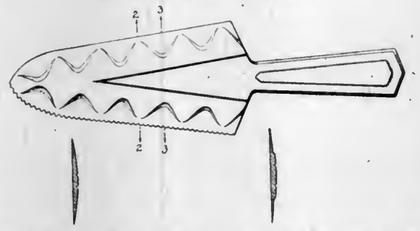
The ornamental design for a pneumatic tire, as shown and described.

128,633
DESIGN FOR A COMBINED SHIRT AND COLLAR PROTECTOR
Stephen Lighter, Milwaukee, Wis.
Application April 7, 1941, Serial No. 100,200
Term of patent 14 years



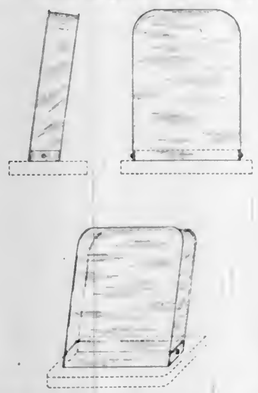
The ornamental design for a combined shirt and collar protector, substantially as shown.

128,634
DESIGN FOR A COMBINED CAKE CUTTER AND SERVER
Edward K. Madan, Maplewood, N. J.
Application April 30, 1941, Serial No. 100,713
Term of patent 7 years



The ornamental design for a combined cake cutter and server, as shown.

128,635
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application September 14, 1940, Serial No. 95,066
Term of patent 14 years



The ornamental design for a display stand, as shown and described.

128,636
DESIGN FOR A SMOKING PIPE
Raymond J. Miller, Detroit, Mich.
Application August 1, 1940, Serial No. 94,117
Term of patent 14 years



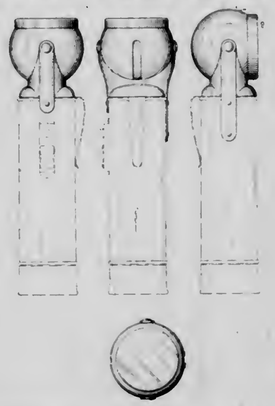
The ornamental design for a smoking pipe, as shown.

128,637
DESIGN FOR A LOCKET BROOCH
Seth Minasian, Cranston, R. I.
Application July 3, 1941, Serial No. 101,862
Term of patent 3½ years



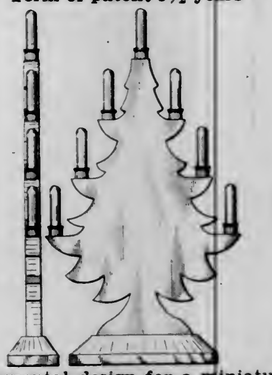
The ornamental design for a locket brooch, substantially as shown.

128,638
DESIGN FOR A FLASHLIGHT
Bernard Francis Muldoon, Mountain View, N. J., assignor to Henry Hyman, Brooklyn, N. Y.
Application December 6, 1940, Serial No. 97,109
Term of patent 14 years



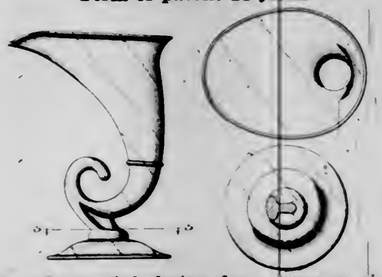
The ornamental design for a flashlight, substantially as shown and described.

128,639
DESIGN FOR A MINIATURE ARTIFICIAL CHRISTMAS TREE
Wilhelm Hans Nietsche, Williamsburg, Mass.
Application April 8, 1941, Serial No. 100,231
Term of patent 3½ years



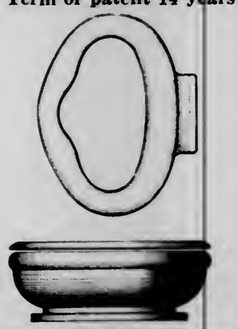
The ornamental design for a miniature artificial Christmas tree, as shown and described.

128,640
DESIGN FOR A VASE OR SIMILAR ARTICLE
Wilbur L. Orme, Cambridge, Ohio
Application February 19, 1941, Serial No. 99,102
Term of patent 14 years



The ornamental design for a vase or similar article, substantially as shown.

128,641
DESIGN FOR A COMBINED WATER CLOSET SEAT AND TOILET BOWL
Ralph Passaretti, Jacksonville, Fla.
Application April 9, 1941, Serial No. 100,270
Term of patent 14 years



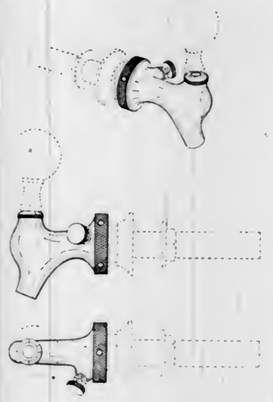
The ornamental design for a combined water closet seat and toilet bowl, as shown.

128,642
DESIGN FOR A CONTAINER
Carl Preis, New York, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 16, 1939, Serial No. 87,257
Term of patent 14 years



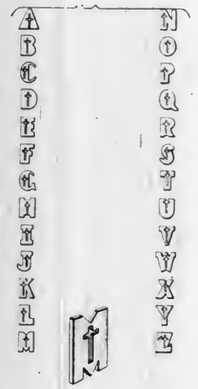
The ornamental design for a container, as shown and described.

128,643
DESIGN FOR A BEVERAGE FAUCET
John E. Rosander, Minneapolis, Minn.
Application April 25, 1941, Serial No. 100,621
Term of patent 14 years



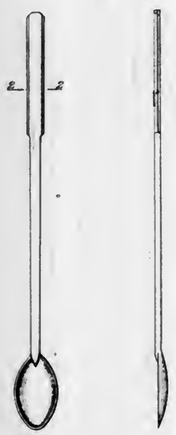
The ornamental design for a beverage faucet, as shown and described.

128,644
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Clifton Louis Rush, Louisville, Ky.
Application March 18, 1941, Serial No. 99,678
Term of patent 7 years



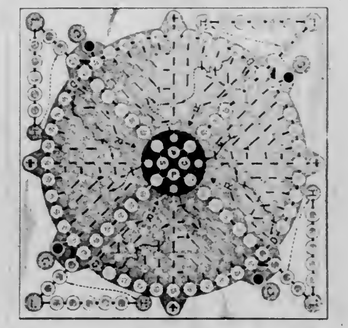
The ornamental design for an alphabet for forming monograms or the like, substantially as shown and described.

128,645
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Jay J. Sindler, Boston, Mass., assignor to Spir-It, Inc., Malden, Mass., a corporation of Massachusetts
Application April 29, 1941, Serial No. 100,692
Term of patent 14 years



The ornamental design for a spoon or similar article, substantially as shown.

128,646
DESIGN FOR A GAME BOARD
Fred Springborn, Astoria, N. Y.
Application November 15, 1940, Serial No. 96,600
Term of patent 7 years



The ornamental design for a game board, as shown.

128,647
DESIGN FOR A HAND CARRIED TRAFFIC SIGNAL
Gladys Stewart, Oakland, Calif.
Application May 3, 1941, Serial No. 100,753
Term of patent 14 years

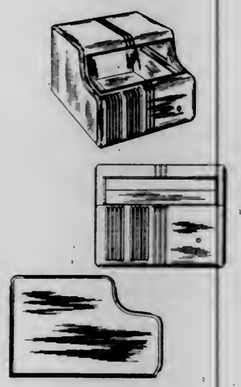
The ornamental design for a hand carried traffic signal, as shown.

128,648
DESIGN FOR A LIQUID DISPENSER
Thomas L. Titus, Cheyenne, Wyo., assignor to The Wyott Manufacturing Company, a corporation of Wyoming
Application March 24, 1941, Serial No. 99,817
Term of patent 14 years



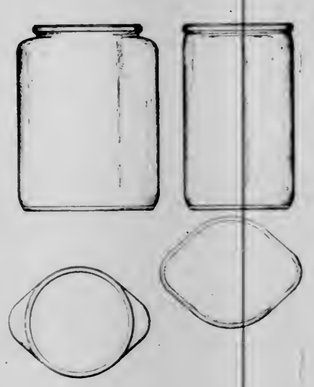
The ornamental design for a liquid dispenser, as shown and described.

128,649
DESIGN FOR A CABINET FOR DISK DICTATING MACHINES
Lincoln Thompson, Cheshire, Conn.
Application March 7, 1941, Serial No. 99,409
Term of patent 14 years



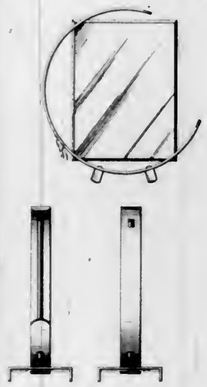
The ornamental design for a cabinet for disk dictating machines, as shown.

128,650
DESIGN FOR A JAR
Edward J. Walker and Roy B. Stover, Toledo, Ohio, assignors to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 6, 1941, Serial No. 101,324
Term of patent 14 years



The ornamental design for a jar substantially as shown.

128,651
DESIGN FOR A PICTURE FRAME
Anthony Vander Werf, Yonkers, N. Y.
Application March 10, 1941, Serial No. 99,464
Term of patent 7 years



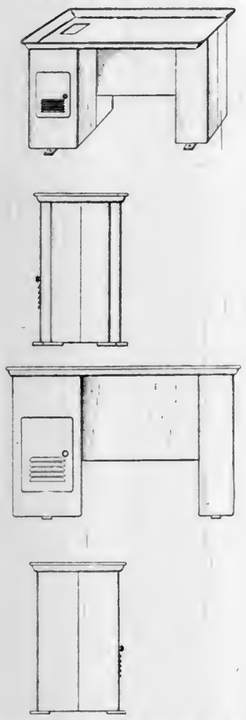
The ornamental design for a picture frame, substantially as shown.

128,652
DESIGN FOR A DRESS
Etta Evans, New York, N. Y.
Application July 1, 1941, Serial No. 101,836
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,653
DESIGN FOR A LATHE BENCH
Russel E. Frushour, South Bend, Ind., assignor to South Bend Lathe Works, South Bend, Ind., a corporation of Indiana
Application April 17, 1941, Serial No. 100,473
Term of patent 14 years



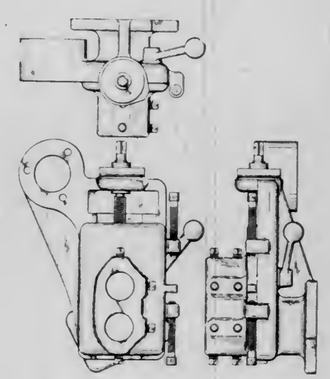
The ornamental design for a lathe bench, substantially as shown.

128,654
DESIGN FOR A BRUSH FRAME
Conrad Jobst, Toledo, Ohio, assignor to The Owens Staple-Tied Brush Company, Toledo, Ohio, a corporation of Ohio
Application February 24, 1941, Serial No. 99,190
Term of patent 14 years



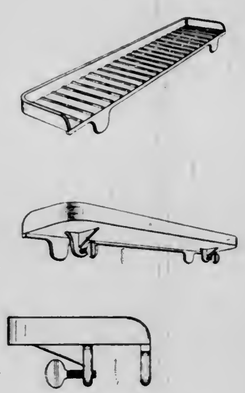
The ornamental design for a brush frame, as shown.

128,655
DESIGN FOR AN OVERHEAD PILOTED VERTICAL SLIDE TOOL FOR LATHES OR THE LIKE
Oskar Kylin, Cleveland, Ohio
Application June 3, 1941, Serial No. 101,271
Term of patent 7 years



The ornamental design for an overhead piloted vertical slide tool for lathes or the like, as shown.

128,656
DESIGN FOR A SHELF FOR LAUNDRY TUBS
Rudolph J. Steiner, St. Paul, Minn.
Application November 28, 1940, Serial No. 96,910
Term of patent 14 years



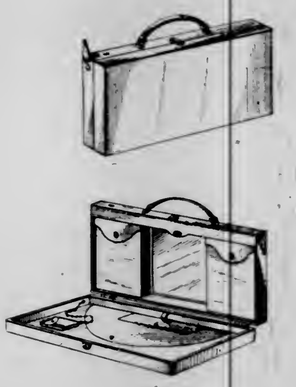
The ornamental design for a shelf for laundry tubs, as shown.

128,657
DESIGN FOR AN ANIMAL SHOE OR THE LIKE
Jay Wheeler, Sacramento, Harry C. McKim and Hollis T. Riley, Huntington Park, Calif.
Application July 31, 1939, Serial No. 86,390
Term of patent 14 years



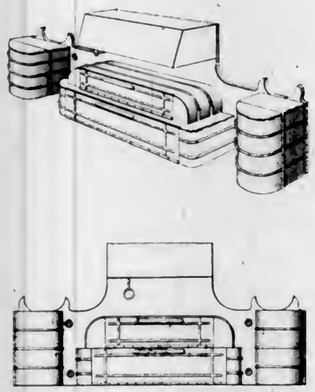
The ornamental design for an animal shoe or the like, substantially as shown and described.

128,658
DESIGN FOR AN ILLUMINABLE VANITY CASE
Pearl V. Aber, Los Angeles, Calif.
Application April 14, 1941, Serial No. 100,376
Term of patent 7 years



The ornamental design for an illuminable vanity case, as shown.

128,659
DESIGN FOR A WALL CABINET
Joseph H. Backert, Chicago, Ill.
Application July 15, 1940, Serial No. 93,657
Term of patent 7 years



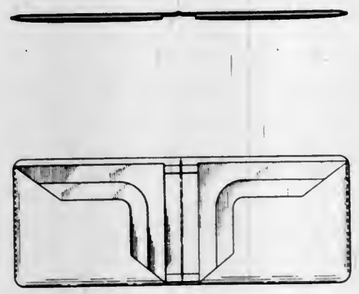
The ornamental design for a wall cabinet, as shown.

128,660
DESIGN FOR A TOILET MIRROR
Walter J. Bohn, Toledo, Ohio, assignor to The Acme Specialty Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 28, 1941, Serial No. 99,981
Term of patent 7 years



The ornamental design for a toilet mirror, substantially as shown and described.

128,661
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.; Mabel Allen Buxton, Longmeadow, Mass., executrix of said Warner R. Buxton, deceased
Application November 28, 1940, Serial No. 96,903
Term of patent 14 years



The ornamental design for a flexible pocket receptacle, substantially as shown and described.

128,662
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Isobel Darrow, Los Angeles, Calif., assignor to Pacific Clay Products, Los Angeles, Calif., a corporation of California
Application May 26, 1941, Serial No. 101,143
Term of patent 14 years



The ornamental design for a plate or similar article, substantially as shown and described.

128,663
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Isobel Darrow, Los Angeles, Calif., assignor to Pacific Clay Products, Los Angeles, Calif., a corporation of California
Application May 26, 1941, Serial No. 101,145
Term of patent 14 years



The ornamental design for a plate or similar article, substantially as shown.

128,664
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Isobel Darrow, Los Angeles, Calif., assignor to Pacific Clay Products, Los Angeles, Calif., a corporation of California
Application May 26, 1941, Serial No. 101,146
Term of patent 14 years



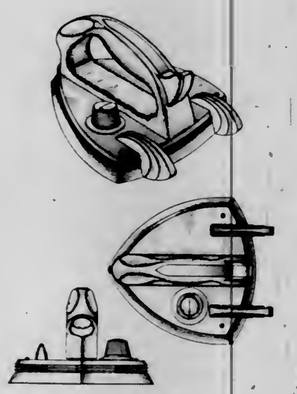
The ornamental design for a plate or similar article, substantially as shown.

128,665
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Isobel Darrow, Los Angeles, Calif., assignor to Pacific Clay Products, Los Angeles, Calif., a corporation of California
Application May 26, 1941, Serial No. 101,147
Term of patent 14 years



The ornamental design for a plate or similar article, substantially as shown and described.

128,666
DESIGN FOR A SADIRON OR SIMILAR ARTICLE
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application February 24, 1941, Serial No. 99,192
Term of patent 7 years



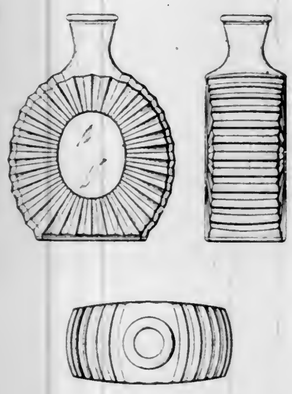
The ornamental design for a sadiron or similar article, substantially as shown.

128,667
DESIGN FOR A TEXTILE FABRIC
Louis Kalman, New York, N. Y.
Application June 17, 1941, Serial No. 101,491
Term of patent 3½ years



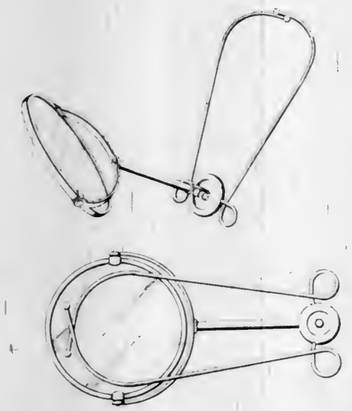
The ornamental design for a textile fabric, substantially as shown.

128,668
DESIGN FOR A BOTTLE
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 14, 1940, Serial No. 97,323
Term of patent 14 years



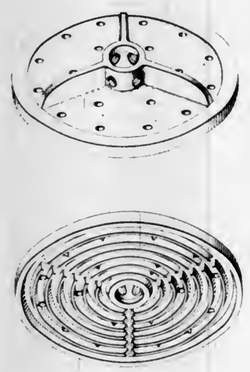
The ornamental design for a bottle, substantially as shown and described.

128,669
DESIGN FOR A COMBINED MIRROR AND SUPPORT
George C. Lynch, Los Angeles, Calif.
Application March 15, 1941, Serial No. 99,625
Term of patent 14 years



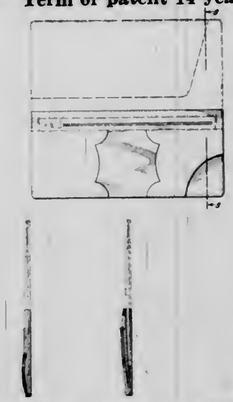
The ornamental design for a combined mirror and support, as shown.

128,670
DESIGN FOR A RETAINER PLATE FOR OIL FILTERS
Howard C. Marks, Alexandria, Nebr.
Application March 13, 1941, Serial No. 99,564
Term of patent 14 years



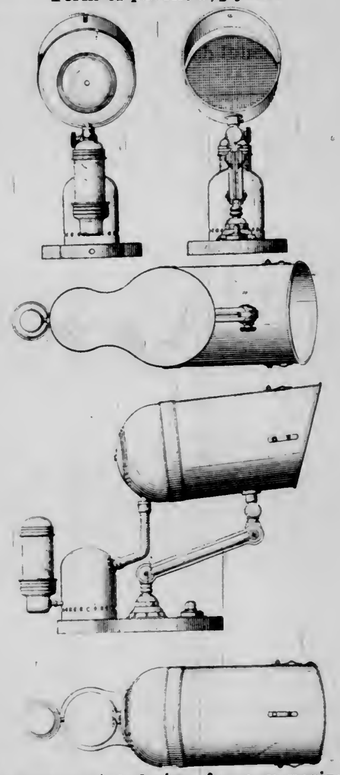
The ornamental design for a retainer plate for oil filters, as shown.

128,671
DESIGN FOR A BILLFOLD OR SIMILAR ARTICLE
Daniel Platkin, Los Angeles, Calif.
Application February 21, 1941, Serial No. 99,156
Term of patent 14 years



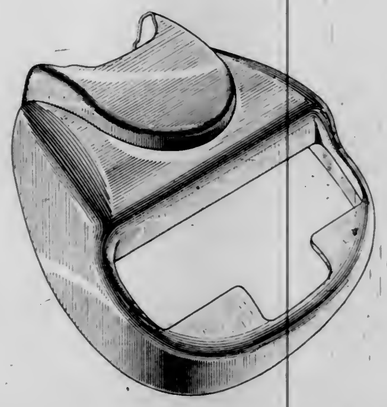
The ornamental design for a billfold or similar article, as shown and described.

128,672
DESIGN FOR A VAPORIZER
Edward Snyder, Chicago, Ill.
Application December 13, 1940, Serial No. 97,286
Term of patent 3½ years



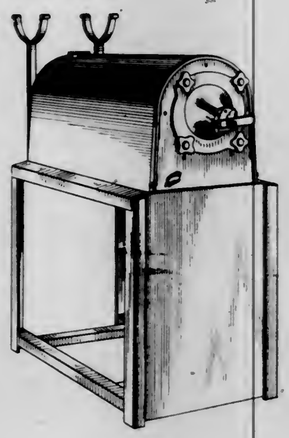
The ornamental design for a vaporizer, substantially as shown.

128,673
DESIGN FOR A TYPEWRITER CASING
Richmond Lane Chipman, Jr., Montclair, N. J., assignor to Joseph Lee Sweeney, New York, N. Y.
Application June 14, 1941, Serial No. 101,471
Term of patent 14 years

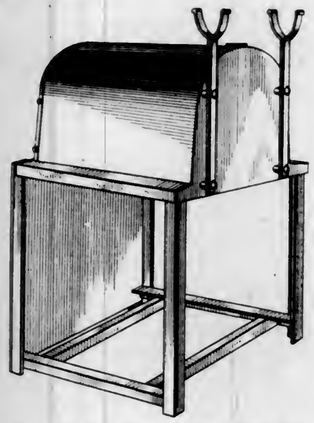


The ornamental design for a typewriter casing, as shown.

128,674
DESIGN FOR A REFRIGERATING UNIT, FOR FREEZING AND DISPENSING FROZEN CUSTARD OR THE LIKE
Charles Erickson and Erick Spellman, New York, N. Y.
Substituted for abandoned application Serial No. 82,598, January 25, 1939. This application November 30, 1939, Serial No. 88,725
Term of patent 7 years



128,674—Continued



The ornamental design for a refrigerating unit, for freezing and dispensing frozen custard or the like, as shown.

128,675
DESIGN FOR A JEWELRY FINDING
Morton Greenberg, New York, N. Y.
Application July 5, 1941, Serial No. 101,895
Term of patent 3½ years





The ornamental design for a jewelry finding, substantially as shown.

128,676
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Haas, New York, N. Y.
Application June 28, 1941, Serial No. 101,791
Term of patent 3½ years





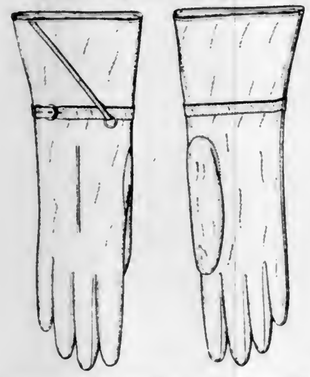
The ornamental design for a button or similar article, substantially as shown.

128,677
DESIGN FOR A SIGN PANEL
Irene I. Melby, Alexandria, Va.
Application May 15, 1941, Serial No. 100,966
Term of patent 14 years



The ornamental design for a sign panel, as shown and described.

128,678
DESIGN FOR A GLOVE
Sam Nathan, Chicago, Ill.
Application May 29, 1941, Serial No. 101,223
Term of patent 3½ years



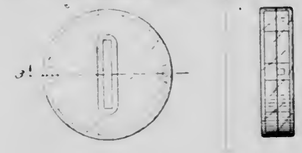
The ornamental design for a glove, as shown.

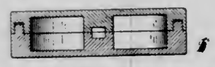
128,679
DESIGN FOR AN ENVELOPE OR SIMILAR ARTICLE
Benjamin F. Perkins, Holyoke, Mass.
Application April 12, 1941, Serial No. 100,355
Term of patent 3½ years



The ornamental design for an envelope or similar article, as shown and described.

128,680
DESIGN FOR A PHONOGRAPH NEEDLE BOX
Carl Pfanstiehl, Highland Park, Ill., assignor to Pfanstiehl Chemical Company, a corporation of Illinois
Application April 28, 1941, Serial No. 100,670
Term of patent 14 years





The ornamental design for a phonograph needle box, as shown and described.

128,681
DESIGN FOR A TOOTHBRUSH
Luis L. Reinold, Elizabeth, N. J.
Application May 27, 1941, Serial No. 101,188
Term of patent 14 years



The ornamental design for a toothbrush, as shown.

128,682
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Harry Reinstein, New York, N. Y.
Application June 30, 1941, Serial No. 101,804
Term of patent 3½ years





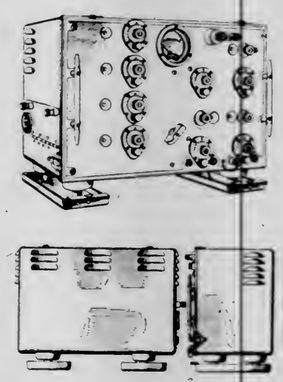
The ornamental design for a brooch or similar article, substantially as shown and described.

128,683
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Francis Tausend, New York, N. Y., assignor to Felix Tausend & Sons, New York, N. Y., a partnership
Application June 30, 1941, Serial No. 101,805
Term of patent 3½ years



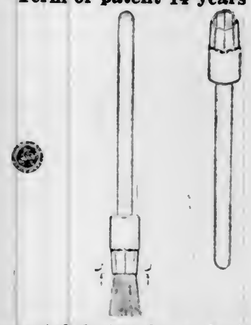
The ornamental design for a tablecloth or similar article, substantially as shown and described.

128,684
DESIGN FOR A RADIO TRANSMITTER
Adam E. Abel, Linthicum Heights, Md.
Application March 7, 1941, Serial No. 99,399
Term of patent 3½ years



The ornamental design for a radio transmitter, as shown.

128,685
DESIGN FOR A DENTAL BRUSH
Edward L. Chott, Chicago, Ill.
Application May 31, 1941, Serial No. 101,247
Term of patent 14 years



The ornamental design for a dental brush, as shown.

128,686
DESIGN FOR AN AUTOMOBILE EMBLEM PLATE OR SIMILAR ARTICLE
Bert A. Jamison, Arlington, Calif.
Application April 25, 1941, Serial No. 100,624
Term of patent 3½ years



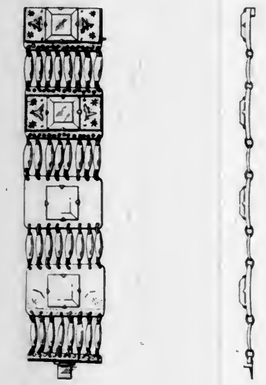
The ornamental design for an automobile emblem plate or similar article, as shown and described.

128,687
DESIGN FOR A COAT
Edward Minkoff, New York, N. Y.
Application July 11, 1941, Serial No. 102,020
Term of patent 3½ years



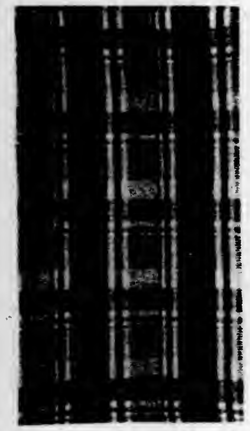
The ornamental design for a coat, substantially as shown.

128,688
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Harry Reinstein, New York, N. Y.
Application June 30, 1941, Serial No. 101,803
Term of patent 3½ years



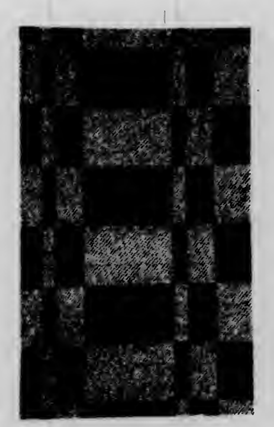
The ornamental design for a bracelet or similar article, substantially as shown and described.

128,689
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application July 11, 1941, Serial No. 102,026
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

128,690
DESIGN FOR A TEXTILE FABRIC
Jack Rubin, New York, N. Y.
Application July 11, 1941, Serial No. 102,027
Term of patent 3½ years



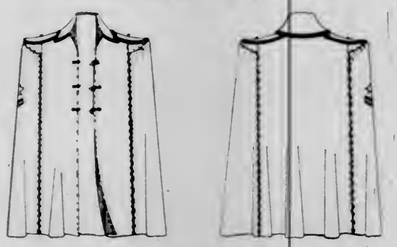
The ornamental design for a textile fabric, substantially as shown.

128,691
DESIGN FOR A COMBINED GUARD PANEL, LAMP AND MOUNTING FOR LAMP AND CONDIMENT SET FOR RANGES
John H. Sattler, Los Angeles County, Calif.
Application July 6, 1940, Serial No. 93,478
Term of patent 7 years



The ornamental design for a combined guard panel, lamp and mounting for lamp and condiment set for ranges, as shown and described.

128,692
DESIGN FOR A CAPE
Louis Schwartz, New York, N. Y.
Application March 29, 1941, Serial No. 100,007
Term of patent 3½ years



The ornamental design for a cape, substantially as shown.

128,693
DESIGN FOR A LACE
Joseph A. Sutton, New York, N. Y.
Application July 5, 1941, Serial No. 101,911
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

128,694
DESIGN FOR A COAT
Morris Weinstein, New York, N. Y.
Application July 15, 1941, Serial No. 102,144
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,695
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application July 12, 1941, Serial No. 102,099
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,696
DESIGN FOR A DRESS
David Armour, Larchmont, N. Y.
Application July 14, 1941, Serial No. 102,134
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,697
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 12, 1941, Serial No. 102,071
Term of patent 3½ years



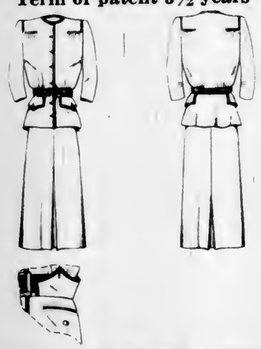
The ornamental design for a dress, substantially as shown.

128,698
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 12, 1941, Serial No. 102,072
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,699
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 12, 1941, Serial No. 102,073
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,700
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 12, 1941, Serial No. 102,074
Term of patent 3½ years



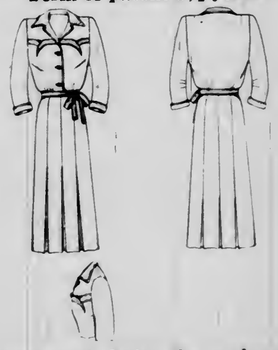
The ornamental design for a dress, substantially as shown.

128,701
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 12, 1941, Serial No. 102,075
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,702
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 12, 1941, Serial No. 102,076
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,703
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 12, 1941, Serial No. 102,077
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,704
DESIGN FOR A DRESS
Margaret Ellenbogen, New York, N. Y.
Application July 11, 1941, Serial No. 102,019
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,705
DESIGN FOR A DRESS
Theresa M. Fritz, New York, N. Y.
Application July 12, 1941, Serial No. 102,086
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,706
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application July 16, 1941, Serial No. 102,174
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,707
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application July 16, 1941, Serial No. 102,176
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,708
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application July 16, 1941, Serial No. 102,177
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,709
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application July 16, 1941, Serial No. 102,178
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,710
DESIGN FOR A DRESS
David M. Goodstein, New York, N. Y.
Application July 12, 1941, Serial No. 102,042
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,711
DESIGN FOR A DRESS
Judith Woursell Holsten, New York, N. Y.
Application July 12, 1941, Serial No. 102,080
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,712
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application July 12, 1941, Serial No. 102,083
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,713
DESIGN FOR A DRESS
Vera Jacobs, New York, N. Y.
Application July 16, 1941, Serial No. 102,167
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,714
DESIGN FOR A SUIT
Vera Jacobs, New York, N. Y.
Application July 16, 1941, Serial No. 102,168
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

128,715
DESIGN FOR A DRESS
Vera Jacobs, New York, N. Y.
Application July 16, 1941, Serial No. 102,171
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,716
DESIGN FOR A DRESS
Delmar Mayehoff, New York, N. Y.
Application July 16, 1941, Serial No. 102,158
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,717
DESIGN FOR A DRESS ENSEMBLE
Delmar Mayehoff, New York, N. Y.
Application July 16, 1941, Serial No. 102,159
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,718
DESIGN FOR A DRESS
Delmar Mayehoff, New York, N. Y.
Application July 16, 1941, Serial No. 102,160
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,719
DESIGN FOR A DRESS
Delmar Mayehoff, New York, N. Y.
Application July 16, 1941, Serial No. 102,161
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,720
DESIGN FOR A DRESS
Delmar Mayehoff, New York, N. Y.
Application July 16, 1941, Serial No. 102,162
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,721
DESIGN FOR A DRESS
Delmar Mayehoff, New York, N. Y.
Application July 16, 1941, Serial No. 102,163
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,722
DESIGN FOR A DRESS
Delmar Mayehoff, New York, N. Y.
Application July 16, 1941, Serial No. 102,164
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,723
DESIGN FOR A DRESS
Delmar Mayehoff, New York, N. Y.
Application July 16, 1941, Serial No. 102,165
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,724
DESIGN FOR A DRESS
Delmar Mayehoff, New York, N. Y.
Application July 16, 1941, Serial No. 102,166
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,725
DESIGN FOR A DRESS
Felicia L. Rose, New York, N. Y.
Application July 15, 1941, Serial No. 102,147
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,726
DESIGN FOR A DRESS
Samuel Ruchman, New York, N. Y.
Application July 12, 1941, Serial No. 102,069
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,727
DESIGN FOR A DRESS
Samuel Ruchman, New York, N. Y.
Application July 12 1941, Serial No. 102,070
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,728
DESIGN FOR A DRESS
David R. Sadowsky, New York, N. Y.
Application July 12, 1941, Serial No. 102,081
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,729
DESIGN FOR A DRESS
Belle Saunders, New York, N. Y.
Application July 11, 1941, Serial No. 102,018
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,730
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application July 11, 1941, Serial No. 102,017
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,731
DESIGN FOR A DRESS
Frances Troy Stix, New York, N. Y.
Application July 18, 1941, Serial No. 102,209
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,732
DESIGN FOR A DRESS
Frances Troy Stix, New York, N. Y.
Application July 18, 1941, Serial No. 102,210
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,733
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,050
Term of patent 3½ years



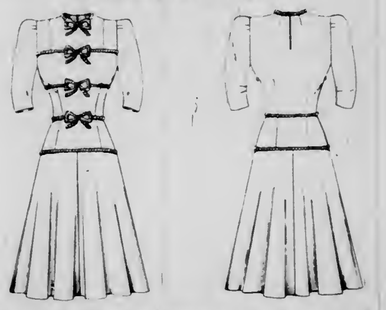
The ornamental design for a dress, substantially as shown.

128,734
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,053
Term of patent 3½ years



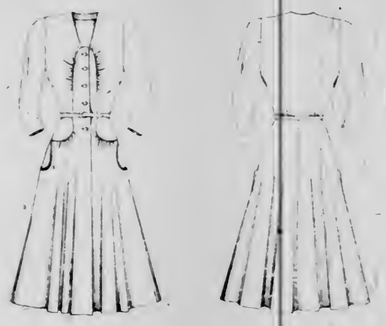
The ornamental design for a dress, substantially as shown.

128,735
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,054
Term of patent 3½ years



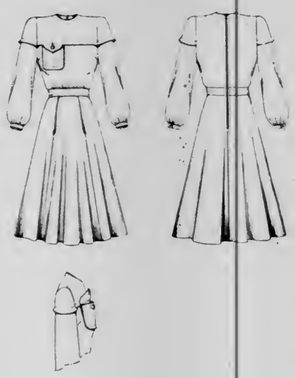
The ornamental design for a dress, substantially as shown.

128,736
DESIGN FOR A DRESS
David M. Goodstein, New York, N. Y.
Application July 12, 1941, Serial No. 102,043
Term of patent 3½ years



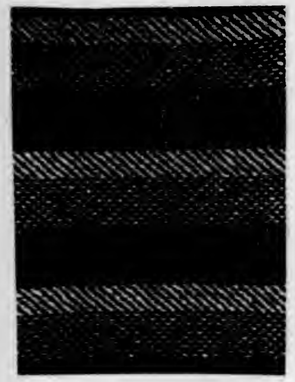
The ornamental design for a dress, substantially as shown.

128,737
DESIGN FOR A DRESS
David M. Goodstein, New York, N. Y.
Application July 12, 1941, Serial No. 102,045
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,738
DESIGN FOR A WOVEN TEXTILE FABRIC
John L. Walther, New York, N. Y.
Application July 9, 1941, Serial No. 101,978
Term of patent 3½ years



The ornamental design for a woven textile fabric, substantially as shown and described.

128,739
DESIGN FOR A SUIT
Samuel Zimmerman, New York, N. Y.
Application July 12, 1941, Serial No. 102,097
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

128,740
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application July 15, 1941, Serial No. 102,136
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

128,741
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application July 15, 1941, Serial No. 102,137
Term of patent 3½ years



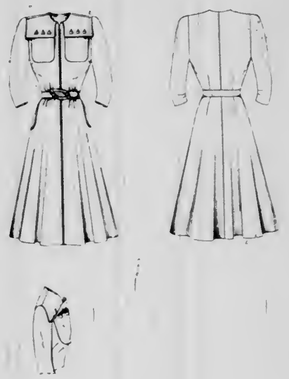
The ornamental design for a table cover or similar article, as shown and described.

128,742
DESIGN FOR A DRESS
Alfred L. Feis, New York, N. Y.
Application July 12, 1941, Serial No. 102,078
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,743
DESIGN FOR A DRESS
David M. Goodstein, New York, N. Y.
Application July 12, 1941, Serial No. 102,044
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,744
DESIGN FOR A DRESS
Vera Jacobs, New York, N. Y.
Application July 16, 1941, Serial No. 102,169
Term of patent 3½ years



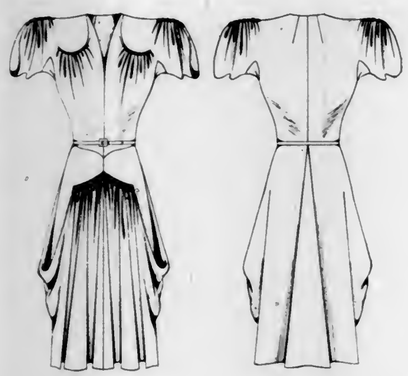
The ornamental design for a dress, substantially as shown.

128,745
DESIGN FOR A SUIT
Vera Jacobs, New York, N. Y.
Application July 16, 1941, Serial No. 102,170
Term of patent 3½ years



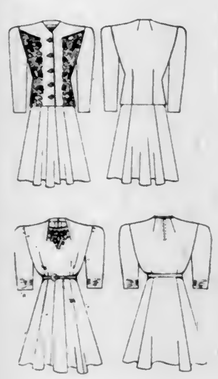
The ornamental design for a suit, substantially as shown.

128,746
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application July 18, 1941, Serial No. 102,206
Term of patent 3½ years



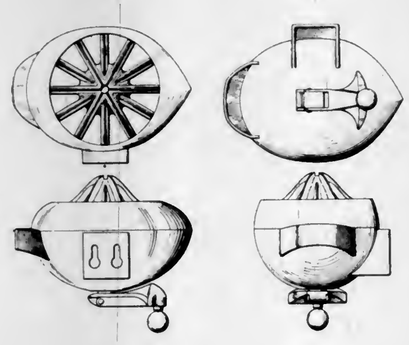
The ornamental design for a dress, substantially as shown.

128,747
DESIGN FOR A DRESS ENSEMBLE
Samuel Kuznetz, New York, N. Y.
Application July 15, 1941, Serial No. 102,141
Term of patent 3½ years



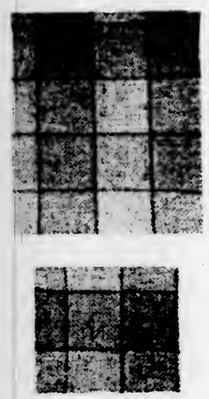
The ornamental design for a dress ensemble, substantially as shown.

128,748
DESIGN FOR A FRUIT JUICE EXTRACTOR
Joseph M. Majewski, Jr., Kansas City, Mo., assignor to Foster L. Talge, Kansas City, Mo., doing business as Rival Manufacturing Company
Application June 19, 1941, Serial No. 101,534
Term of patent 14 years



The ornamental design for a fruit juice extractor, substantially as shown.

128,749
DESIGN FOR A TEXTILE FABRIC
Edward McLaughlin, South Bound Brook, N. J.
Application June 19, 1941, Serial No. 101,554
Term of patent 3½ years



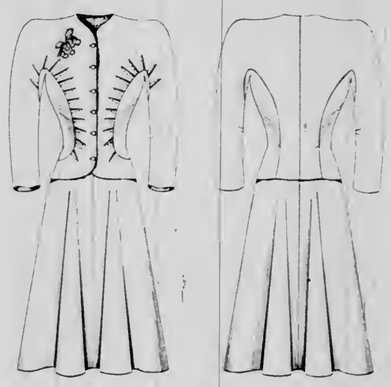
The ornamental design for a textile fabric, substantially as shown.

128,750
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application July 11, 1941, Serial No. 102,016
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,751
DESIGN FOR A SUIT
Frances Troy Stix, New York, N. Y.
Application July 18, 1941, Serial No. 102,207
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

128,752
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,056
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,753
DESIGN FOR A DRESS ENSEMBLE
Sylvia Faden, New York, N. Y.
Application July 12, 1941, Serial No. 102,087
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,754
DESIGN FOR A DRESS
Sylvia Faden, New York, N. Y.
Application July 12, 1941, Serial No. 102,088
Term of patent 3½ years



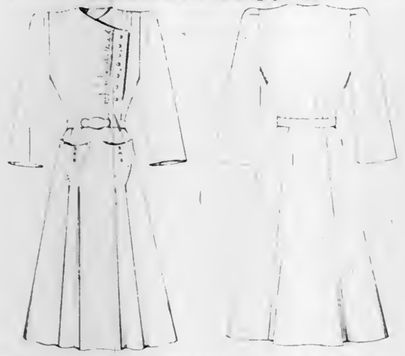
The ornamental design for a dress, substantially as shown.

128,755
DESIGN FOR A DRESS
David M. Goodstein, New York, N. Y.
Application July 12, 1941, Serial No. 102,047
Term of patent 3½ years



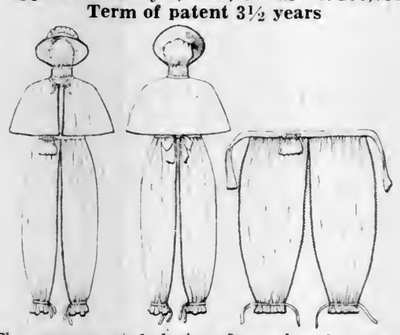
The ornamental design for a dress, substantially as shown.

128,756
DESIGN FOR A DRESS
Samuel Ruchman, New York, N. Y.
Application July 12, 1941, Serial No. 102,068
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,757
DESIGN FOR A BEACH ENSEMBLE SUIT
Margaret Ann Waters, New York, N. Y.
Application May 5, 1941, Serial No. 100,781
Term of patent 3½ years



The ornamental design for a beach ensemble suit, substantially as shown.

128,758
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,048
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,759
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,059
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,760
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,060
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,761
DESIGN FOR A DRESS ENSEMBLE
Elizabeth M. Ciccone, New York, N. Y.
Application July 15, 1941, Serial No. 102,143
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,762
DESIGN FOR A DRESS
David M. Goodstein, New York, N. Y.
Application July 12, 1941, Serial No. 102,046
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,763
DESIGN FOR A DRESS
Vera Jacobs, New York, N. Y.
Application July 16, 1941, Serial No. 102,172
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,764
DESIGN FOR A DRESS
Vera Jacobs, New York, N. Y.
Application July 16, 1941, Serial No. 102,173
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,765
DESIGN FOR A DRESS
Blanche Price, Chicago, Ill.
Application July 16, 1941, Serial No. 102,179
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,766
DESIGN FOR A DRESS
Frances Troy Stix, New York, N. Y.
Application July 18, 1941, Serial No. 102,208
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,767
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,049
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,768
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,051
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,769
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,052
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,770
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,055
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,771
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,057
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,772
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,058
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,773
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application July 12, 1941, Serial No. 102,061
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 529—No. 2 TUESDAY, AUGUST 12, 1941 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF AUGUST 12, 1941	243
NOTICES OF CANCELLATION	243
ADJUDICATED PATENTS	244
APPLICATIONS UNDER EXAMINATION	
DECISIONS OF THE U. S. COURTS—	
Vickery *v.* Barnhart and Barnhart *v.* Vickery	245
Marden et al. *v.* Braselton	251
PATENT SUITS	257
ADVERSE DECISIONS IN INTERFERENCE	258
DISCLAIMERS	258
TRADE-MARKS PUBLISHED (152 APPLICATIONS)	259
TRADE-MARK REGISTRATIONS GRANTED	277
TRADE-MARK REGISTRATIONS RENEWED	283
REISSUES	285
PLANT PATENTS	286
PATENTS GRANTED	288
DESIGNS	472

August 12, 1941

Trade-marks	125—No.	389,544 to No.	389,668, inclusive.
T. M. Renewals	50		
Reissues	5—No.	21,872 to No.	21,876, inclusive.
Plant Patents	5—No.	481 to No.	485, inclusive.
Patents	778—No.	2,251,903 to No.	2,252,680, inclusive.
Designs	154—No.	128,774 to No.	128,927, inclusive.
Total	1,117		

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., July 22, 1941.*

Kerr Products Company, Inc., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Margaret C. Burden, 2312 Derby St., Berkeley, Calif., to effect the cancellation of trade-mark registration of Kerr Products Company, Inc., 2801 C St., Sacramento, Calif., No. 249,521, dated November 13, 1928, and the notice of such proceeding sent by registered mail to the said Kerr Products Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Kerr Products Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., July 16, 1941.*

Jas. L. Gilbert, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Seacoast Laboratories, Inc., New York, N. Y., to effect the cancellation of registration No. 239,039, issued February 21, 1928, to Jas. L. Gilbert, 1302 East Slauson Avenue, Los Angeles, Calif., and a notice of such proceeding sent by registered mail to said Jas. L. Gilbert at said address having been returned by the post office as undeliverable, notice is hereby given that unless said Jas. L. Gilbert, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., July 16, 1941.*

Margaret F. Howe, her assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Hat Corporation of America, Van Zandt, Norwalk, Conn., to effect the cancellation of trade-mark registration of Margaret F. Howe, 132 East 19th St., New York, N. Y., No. 195,694, dated March 3, 1925, and the notice of such proceeding sent by registered mail to the said Margaret F. Howe at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Margaret F. Howe, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. Mich.) Henry patent, No. 1,548,465, for process for the reproduction of wood grains, claims 1, 2, and 5 *Held* invalid. *Oxford Varnish Corporation* v. *General Motors Corporation*, 120 F.(2d) 44.

(C. C. A. Mich.) Von Webern and Hamant patent, No. 1,900,030, for surface decorating machine, claims 7 and 8 *Held* invalid. *Id.*

(C. C. A. Calif.) Hawkinson patent, No. 1,917,261, for method of retreading tire casings, claims 6 and 8 *Held* invalid. *Goodman* v. *Paul E. Hawkinson Co.*, 120 F.(2d) 167.

(C. C. A. Mich.) Casto and Von Webern patent, No. 1,946,483, for surface decorating method and apparatus, claims 1 and 4 *Held* invalid. *Oxford Varnish Corporation* v. *General Motors Corporation*, 120 F.(2d) 44.

(D. C. N. Y.) Mills patent, No. 2,090,982, for hand covering and method of manufacture, claims 2, 3, 4, 5, 6, and 7 *Held* not infringed. *Scotsmoor Co.* v. *Gloversville Knitting Co.*, 39 F. Supp. 41.

(C. C. A. Ill.) Doppelt design patent, No. 106,132, for design for a bag for toilet articles, *Held* invalid. *S. Dresner & Son* v. *Doppelt*, 120 F.(2d) 50.

(D. C. N. Y.) Goldsmith design patent, No. 118,957, for design for a sweater, *Held* infringed but invalid. *Olympic Knitwear* v. *Fleetwood Sportwear*, 39 F. Supp. 55.

(D. C. N. Y.) Goldsmith design patent, No. 118,958, for design for a sweater, *Held* infringed but invalid. *Id.*

Condition of Applications Under Examination at Close of Business July 26, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,200; Trade-Mark Division, 1,174. Oldest new case, Oct. 31, 1940; oldest amended, Oct. 29, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 13	Jan. 22	726
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Mar. 13	Feb. 10	512
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	May 21	May 20	494
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Apr. 19	Apr. 11	617
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 20	Mar. 22	403
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Jan. 4	Jan. 11	1155
5725	7. JARBOE, C. G., Optics; Photography	Feb. 7	Feb. 5	968
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Jan. 24	Jan. 27	845
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Feb. 24	Feb. 27	608
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 1	Mar. 8	505
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 25	Mar. 25	417
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Feb. 27	Mar. 1	582
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 22	Jan. 21	516
5097	14. FREEHOF, H. B., (Act.), Farriery; Metal Bending; Metal Toolsand Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Apr. 8	Mar. 31	543
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Jan. 30	Jan. 21	1117
5716	16. SPENCER, C. J., Telegraphy; Telephony	Mar. 24	Mar. 6	539
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 19	Mar. 20	638
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 17	Feb. 24	440
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 13	Mar. 14	726
3605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 8	Feb. 26	446
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Apr. 30	Apr. 9	309
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Oct. 31	†Oct. 31	1563
7624	23. BUTTNER, W. J., Registers (part)	†Nov. 13	†Nov. 7	267
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 5	Feb. 3	935
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 4	Apr. 4	475
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Mar. 19	Mar. 12	448
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Feb. 28	Feb. 6	500
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Feb. 5	Feb. 21	379
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Jan. 4	Feb. 3	721
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Apr. 1	Apr. 1	498
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Feb. 17	Feb. 12	1361
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Feb. 24	Feb. 26	956
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Feb. 25	Mar. 1	1058
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Jan. 4	Jan. 9	534
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Jan. 10	Jan. 18	1029
7892	36. McFADYEN, A. D., Measuring and Testing; Force-Measuring; Automatic Weighers	Feb. 12	Feb. 14	529
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Mar. 1	Mar. 13	559
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Nov. 4	†Oct. 29	1329
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 24	Mar. 22	529
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 8	Jan. 8	1767
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Feb. 27	Feb. 27	457
5882	42. CUTTING, H. O., Electric Signaling	Apr. 11	Mar. 31	370
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Jan. 25	Jan. 27	645
4087 B	44. HARVEY, L. P., Refrigeration	Jan. 18	Jan. 21	638
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 9	Mar. 31	333
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Feb. 25	Feb. 26	776
6082	47. KANOF, W. J., Clutches; Brakes	Mar. 17	Mar. 10	362
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Apr. 4	Apr. 4	542
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 5	Jan. 18	730
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Jan. 29	Jan. 29	1171
5628	51. BACKUS, C. D., Radiant Energy (part)	May 7	May 6	478
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Mar. 24	Apr. 3	645
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 15	Jan. 24	799
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Feb. 28	Feb. 18	379
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Feb. 24	Mar. 1	368
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Jan. 2	†Dec. 24	1220
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	†Dec. 12	Apr. 8	171
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 24	Feb. 27	494
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Feb. 6	Feb. 13	1014
5896	60. GLASS, H. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Mar. 17	Apr. 30	396
6724	61. YUNGKWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 17	Apr. 21	307
5621	62. PUGH, E. C., Games; Geometrical Instruments	Apr. 26	Apr. 2	350
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Jan. 15	Jan. 23	1107
4708	64. NASH, P. M., Acetylene; Distillation; Gas; Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Apr. 26	Apr. 18	581
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 13	Apr. 23	358
2099 B	Trade-Marks: F. A. RICHMOND	June 11	June 21	1,174
2605	Designs: H. H. KALUPY	June 24	July 3	766

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

VICKERY *v.* BARNHART
AND
BARNHART *v.* VICKERY

Nos. 4,425 and 4,426. Decided March 31, 1941

[118 F.(2d) 578]

1. INTERFERENCE—CONSTRUCTION OF COUNTS—PATENTABILITY.
"It is well established that where the Board of Appeals gives a broad interpretation to a count, we are not at liberty to inquire whether such broad interpretation renders the count unpatentable."

2. SAME—SAME.
"Count 5 recites that the 'upper and lower portions' of the shaft are 'connected in the medial region of the shaft by a portion which outwardly protrudes from the upper portion * * *.' Counts 1, 4, and 6 omit the limitation referring to the medial region of the shaft. Therefore it would be improper to read into said counts 1, 4, and 6 said limitation in count 5."

3. SAME—ESTOPPEL—TIMELY RAISING OF QUESTION BY A MOTION TO DISSOLVE.
Where an alleged disclaimer contained in a patent to B would affect both B's right to make therein certain claims thereof corresponding to several counts of an interference between him and applicant V, and B's right to rely upon an earlier application for constructive reduction to practice of said claims, *Held* that it was incumbent upon V to move to dissolve the interference upon the ground that B was estopped by the disclaimer from making the said claims in his patent, if he would urge that B is estopped by the disclaimer from relying upon his earlier application.

4. SAME—RIGHT TO MAKE CLAIM.
Drawings alone in a patent application can not form the basis of a valid claim.

5. SAME—SAME—CIRCUMSTANTIAL EVIDENCE.
Interference drawn that if B had a conception of the invention embraced in counts 2, 3, 5, and 7 at the time he filed an earlier application, upon which he depends for constructive reduction to practice, he would have made some attempt therein to describe said invention in "full, clear, concise, and exact terms."

6. APPEAL—REFERENCES TO MATTERS DEHORS THE RECORD.
In briefs before the Court of Customs and Patent Appeals it is improper to make references to a brief before the Board of Appeals that is not a part of the record certified to the court, and also improper to refer to office actions and quote from papers in the Patent Office that are not a part of the record.

7. INTERFERENCE—PRIORITY.
Record reviewed and *Held* that priority properly was awarded to the junior party B as to counts 1, 4, and 6 on the basis of his earlier application upon which he depended for constructive reduction to practice and that priority properly was awarded to the senior party V as to counts 2, 3, 5, and 7 upon the basis of his parent application of which his application directly in interference is a division and upon which he depended for constructive reduction to practice.

APPEAL from Patent Office. Affirmed.

Mr. Frank M. Slough (*Messrs. Waite, Schindel and Bayless* and *Mr. Herbert H. Shaffer* of counsel) for Vickery.

Mr. Samuel W. Banning, Mr. Ephraim Banning, and *Mr. Frank L. A. Graham* for Barnhart.

LENROOT, *J.:*

These are appeals in an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding priority of invention of the subject matter of counts 1, 4, and 6 to the party Barnhart, and of the subject matter of counts 2, 3, 5, and 7 to the party Vickery. Barnhart appeals from so much of the decision of the Board as relates to counts 2, 3, 5, and 7, and Vickery appeals from so much of said decision as relates to counts 1, 4, and 6.

The interference arises between a patent, No. 2,050,554, issued to Barnhart on August 11, 1936, upon an application filed October 30, 1934, and an application of Vickery filed on August 23, 1934, which, it is stated in the application, is a division of a co-pending application filed June 6, 1933.

Both appeals will be disposed of in this opinion.

Count 1 is illustrative of the counts involved in Vickery's appeal, and count 2 is illustrative of the counts involved in Barnhart's appeal. Counts 1 and 2 read as follows:

1. A tubular metallic golf club shaft having a grip portion at its upper end and a tip at its lower end, said shaft having contiguous upper and lower portions of circular cross section throughout, and said upper and lower portions being connected by a portion outwardly protruding from the upper portion and providing the upper terminus of the lower portion, said lower portion tapering to a minimum diameter in the tip region.

2. A tubular metallic golf club shaft, having a grip portion at its upper end and a tip at its lower end, said shaft being of circular cross section throughout and comprising an upper portion and a lower portion, said upper and lower portions being interconnected by a shoulder outwardly protruding from the upper portion and affording the upper terminus for the lower portion, and the lower portion immediately below the shoulder tapering therefrom to a minimum diameter in the tip region, and the minimum diameter of the lower portion being less than the minimum diameter of the upper portion in the region adjacent the shoulder.

Vickery being the senior party, the burden was upon Barnhart to establish priority of invention with respect to all the counts by a preponderance of evidence.

Originally there was a third party to the interference who was eliminated by his filing a concession of priority to Vickery.

The nature of the involved invention is sufficiently described in the counts above-quoted.

The patent to Barnhart in interference contains seven claims, all of which were copied by Vickery and now constitute the counts of the interference.

The preliminary statement of Barnhart alleged conception of the invention embraced in all of the counts on or about March 1, 1926, and actual reduction to practice on or about October 1, 1926, and also on or about February 5, 1931. He also alleged diligence in reducing the invention to practice from March, 1926.

Vickery's preliminary statement, as amended, alleged conception of the invention embraced in all of the counts and its actual reduction to practice on or about August 1, 1927; that he, at various times thereafter, again reduced the invention to practice; that prior to the filing of his application here involved he, on June 6, 1933, filed an application of which the involved application is a division, and

on October 17, 1933, he filed another application for a patent; that each of said earlier applications disclosed the invention here involved; and he further alleged that he began exercising diligence in reducing the invention to practice on or about August 1, 1927.

No motion to dissolve the interference was made by either of the parties to these appeals. Such a motion was made as to count 3 by the party eliminated from the interference as aforesaid, but this motion was later withdrawn by him.

Both parties took testimony.

Barnhart offered in evidence an application for patent filed by him on September 12, 1932, but abandoned some time after the filing of his application upon which the patent here in interference was issued. It is claimed by Barnhart that said application of September 12, 1932, discloses the subject matter of all the counts here involved and was a constructive reduction to practice of the invention embraced in each of the counts.

The Examiner of Interferences held that said application of September 12, 1932, supported counts 1, 4, and 6, but did not support the other counts before us, and that Barnhart was entitled to the date of September 12, 1932, for constructive reduction to practice of the invention embraced in counts 1, 4, and 6. The Examiner further held that Barnhart had not established conception or actual reduction to practice of the invention embraced in any of the counts prior to said date of September 12, 1932, and had not established conception or actual reduction to practice of the invention embraced in counts 2, 3, 5, and 7 prior to June 6, 1933, the filing date of Vickery's parent application, which application was held by the Examiner of Interferences to be a constructive reduction to practice of the invention as embraced in all of the counts. The Examiner further held that if Barnhart was entitled to an earlier date for conception of the invention than as above stated, he had not established diligence in reducing the invention to practice.

The Examiner of Interferences held that Vickery had not established conception or actual reduction to practice of the invention embraced in any of the counts prior to June 6, 1933, the date of his parent application.

Accordingly, the Examiner of Interferences awarded to Barnhart priority of invention of the subject matter of counts 1, 4, and 6, and to Vickery priority of invention of the subject matter of counts 2, 3, 5, and 7.

Upon appeal the Board of Appeals affirmed the decision of the Examiner of Interferences in all respects.

There being concurring decisions of the Patent Office tribunals, the familiar rule is applicable that upon all questions of fact we are not at liberty to reverse the decision of the Board of Appeals unless its conclusions therein, affirming the conclusions of the Examiner of Interferences, are manifestly wrong.

We will first consider the question of whether Barnhart's abandoned application of September 12, 1932, disclosed the invention set forth in each of the counts before us. As hereinbefore indicated, the Patent Office tribunals held that said application disclosed the subject matter of counts 1, 4, and 6, but did not disclose the subject matter of the other counts.

It is Vickery's contention that while Barnhart's 1932 application recites that the shafts disclosed by him

> "are provided with an increased section in the region near the head from which they again taper to the same diameter in the head,"

this language does not support the counts awarded to Barnhart for the reason that the counts should be construed as providing two separated regions of "flexation," one in the upper portion and the other in the lower portion of the shaft. Further, it is Vickery's contention that it was only upon this construction that Barnhart's patent claims were allowed over the cited prior art, and that Barnhart's 1932 application does not disclose two separated regions of "flexation."

We find in the record that, during the prosecution of the application upon which Barnhart's patent was issued, certain claims therein were rejected upon two patents, one to Pollock (British), No. 256,049, and the other to Brinkman, No. 1,653,428. One of the claims so rejected reads as follows:

> 6. A tubular metallic golf shaft which is divided at a point between its ends by an outwardly protruding stiffening portion into two units of flexation, one of said units of flexation being tapered from said outwardly protruding portion towards the end thereof and said shaft being of uniform cross sectional shape throughout its length.

Certain claims of Barnhart's abandoned application were also rejected upon Pollock and Brinkman.

In the further prosecution of the application upon which his patent was issued, Barnhart made another claim which reads as follows:

> 12. A tubular metallic golf shaft circular in cross section throughout and consisting of a tapered upper portion and a tapered lower portion, each configured to afford substantial flexation during use in a golf club and divided from one another, and connected by a shoulder outwardly protruding from the upper portion in the medial region of the shaft and affording an upper terminus for the lower portion, the lower portion being of maximum diameter at the crest of the shoulder and tapering to lesser diameter toward its tip end, and the upper portion being of minimum diameter at its lower end adjacent the shoulder, whereby the regions of maximum flexation of the two portions of the shaft are located respectively in the region immediately above the shoulder and in the region adjacent the tip of the club and the vibrations due to impact are damped.

In rejecting this and other claims of a similar nature the Primary Examiner stated:

> Claims 11, 12, 15, 17, and 18 are rejected as vague and indefinite. These claims include expressions such as "configured to afford substantial flexation." This expression is thought to be indefinite and not expressive of structure. The use of the word "flexation" is questioned. It does not appear to have a definition in the dictionary. Therefore other expressions such as "curvature of flexation" and "maximum flexation" are also thought to be indefinite.

Thereafter the claims were amended, omitting therefrom all references to "flexation," and the claims were allowed.

From the foregoing it does not appear that the patent claims were allowed by the Primary Examiner upon the narrow construction which Vickery contends should be given to them in order to avoid the prior art.

Moreover the Examiner of Interferences in his decision stated upon this point as follows:

> The amendments preceding the withdrawing of the rejection on a combination of references and the affidavit of John Heddon had much to say of the Barnhart shaft providing two separated regions of flexibility of maximum flexation at the narrow parts of the upper and lower sections. However, the Primary Examiner in his action of February 1, 1936, required the cancelation of such language in the claims, and this feature, accordingly, could not have been the one that moved him finally to allow the claims. It would appear rather that the rejection upon a combination of references having effective dates in 1926 and 1927 was withdrawn because of the showing that the Barnhart club filled a long felt want which was not obvious to inventors in this fairly active art. Since the claims were rewritten to deliberately exclude such phrases that described the upper and lower portions of the club as being "configured to afford substantial flexation during use in a golf club" and as having "regions of maximum flexation * * * in the region immediately above the shoulder and in the region adjacent the tip" it would be improper to read into these counts those limitations that not only are not expressed, but which were deleted, at the Examiner's request, when the claims were rewritten.
> * * * * * * *
> Returning to count 4, previously quoted in the table, it is believed that the history of the prosecution of the count as a claim in Barnhart's application does not require reading into the meaning of its terms any unexpressed limitation that would prevent it from reading upon Barnhart's 1932 application. The authorities, on the contrary, require that where the counts are not ambiguous they should be given the broadest interpretation their language will reasonably support (*Writer* v. *Kiwad*, 431 O. G. 263, 1933 C. D. 213, 63 F.(2d) 259, 20 C. C. P. A. 869; *Woelm* v. *Hasselquist*, 429 O. G. 501, 1933 C. D. 150, 62 F.(2d) 367, 20 C. C. P. A. 806). It is accordingly held that count 4 is readable upon the disclosure of Barnhart's 1932 application, Exhibit 37.

The Board of Appeals in its decision stated:

> Vickery's main contention, as stated on pages 222 to 237 of his brief, is that counts 1, 4, and 6 are not patentable over the Brinkman and Hoerle patents. Obviously, the question before us is not whether these counts are patentable to Barnhart, but whether the counts are supported by the early Barnhart application. We agree with the Examiner that they are supported by the disclosure of Barnhart's early application. The Examiner of Interferences has fully considered the procedure in the early Barnhart case and correctly concludes that there is no warrant for reading limitations into counts 1, 4, and 6 as contended for by Vickery.

[1] It is well established that where the Board of Appeals gives a broad interpretation to a count, we are not at liberty to inquire whether such broad interpretation renders the count unpatentable. *Marshall and Levandosky* v. *Ledwinka*, 21 C. C. P. A. (Patents) 728, 67 F.(2d) 495.

[2] Furthermore, we would observe that count 5 recites that the "upper and lower portions" of the shaft are "connected in the *medial region* of the shaft by a portion which outwardly protrudes from the upper portion * * *." [Italics ours.] Counts 1, 4, and 6 omit the limitation referring to the medial region of the shaft. Therefore it would be improper to read into said counts 1, 4, and 6 said limitation in count 5. *Oldroyd* v. *Morgan*, 19 C. C. P. A. (Patents) 1111, 57 F.(2d) 358.

Finally, upon this branch of the case, it appears to us that Barnhart's 1932 application discloses two separate portions of a golf shaft divided by a protuberant shoulder. The application is for a set of golf clubs and the drawing discloses two shafts with wooden heads, known as "woods," and nine shafts with iron heads, known as "irons." While, with respect to the "woods," the "increased section" is quite near the head, and the taper from that point to the tip of the shaft is relatively short, the application states, after describing the "increased section in the region near the head," as shown in the drawings of the "wood" clubs, as follows:

> * * * It will be understood that this same construction may be employed in making the irons with substantially the same results as are obtained in the shafts shown in Fig. 1. In this case, however, the number 1 iron would have a point of increased section near the club head and this point of increased section would rise toward the grip in progressive increments from the number 1 to the number 9 iron.

Although this language is indefinite as to the points on the iron clubs where the "increased section" occurs, it is clear that in a number 9 iron, for instance, such section would be substantially higher on the club than the increased section in the "wood" clubs shown in the drawings, and we are satisfied that, as to the number 9 club, at least, there would be two portions of the club each having substantial flexure.

Therefore we are in agreement with the Patent Office tribunals that Barnhart's September 1932 application supports counts 1, 4, and 6.

[3] Vickery contends that Barnhart's application upon which his patent was issued, and his issued patent, contain a disclaimer which prevents a holding that his 1932 application discloses the subject matter of counts 1, 4, and 6. This alleged disclaimer reads as follows:

> In the golf club of the present invention, howsoever constructed, two separated regions of maximum flexation will be afforded, one near the lower end and one above the shoulder * * *.

However, as observed by the Examiner of Interferences in his decision, neither Vickery nor Barnhart moved to dissolve the interference. If Vickery believed that counts 1, 4, and 6 should not have been allowed as claims in Barnhart's patent application by the Primary Examiner, we think he should have moved to dissolve the interference upon the ground that Barnhart, by reason of the alleged disclaimer, was estopped from making claims constituting counts 1, 4, and 6; and, failing to do so, Vickery could not thereafter rely upon estoppel of Barnhart.

We have found no authority upon this point, but it seems reasonable that if Barnhart is estopped by his alleged disclaimer from relying upon his 1932 application, he is likewise estopped from making claims corresponding to counts 1, 4, and 6 in his application upon which his patent was granted. Inasmuch as the broad claims constituting counts 1, 4, and 6 were allowed in Barnhart's patent, and, in our opinion, they read upon his 1932 application, we think that Vickery is not entitled to raise the question of disclaimer, having failed to make a motion to dissolve the interference upon the ground that Barnhart was estopped from making claims corresponding to counts 1, 4, and 6.

However, regardless of the question of estoppel of Vickery to raise the question of disclaimer, we are of the opinion that both Barnhart's patent application and his 1932 application disclose two separated regions of increased flexibility, one above the shoulder and the other below it, and it is clear to us that Barnhart's alleged disclaimer did not contemplate two separate regions of the shaft of equal flexibility, for the alleged disclaimer is silent upon that point.

From all the foregoing we are of the opinion that Barnhart is entitled to the filing date of his 1932 application for constructive reduction to practice of the invention embraced in counts 1, 4, and 6.

With respect to counts 2, 3, 5, and 7, we are in agreement with the Patent Office tribunals that Barnhart's 1932 application does not disclose the entire subject matter of these counts. Counts 3

and 5 contain the limitation that the upper and lower portions of the shaft are connected in the medial region of the shaft by a shoulder or outward protrusion formed in the upper portion of the shaft.

While, as hereinbefore stated, we hold that shafts referred to in Barnhart's 1932 application support counts 1, 4, and 6, where the connection between the upper and lower portions of the shaft is not confined to the medial region of the shaft, we find nothing in said application clearly disclosing the location of such connection in the medial region of the shafts.

The Examiner of Interferences in his decision, discussing counts 3 and 5, stated:

> It is believed obvious that the shoulder I or I' on the wood clubs of the Barnhart 1932 application can not properly be described as being in the medial region of the shaft. The specification of the 1932 application states that this same construction may be employed in making the irons with substantially the same results as are obtained in the shafts shown in Figure 1 of that application (page 7, top). "In this case, however," the specification continues, "the number 1 iron would have a point of increased section near the club head and this point of increased section would rise toward the grip in progressive increments from the number 1 to the number 9 iron." Since this modification composing a set of irons is not illustrated, it is a matter of conjecture just where the point of increased section or shoulder would be in the number 9 iron. If the increments were taken as comparable in length to the increments in Figure 1 (suggested as two inches on page 6, lines 5 and 6) the shoulder in the number 9 iron might be similarly placed to the shoulder in the irons of the Barnhart patent and could be described as being in the medial region of the shaft; but this would be based on the assumption (there is no statement to that effect in the specification) that the increments in the one form of the 1932 application are the same length as those in the other. Whether it is possible or probable that Barnhart intended the shoulder of the number 9 iron to be in the medial region is immaterial; for even if he actually intended it to be so is of no moment if his disclosure did not so show or describe it. Since this feature is not disclosed with certainty in the 1932 application of Barnhart, it is held that the application does not support counts 3 and 5.

We are in accord with these views of the Examiner of Interferences.

With respect to counts 2 and 7, which do not contain the limitation with respect to the medial portion of the shaft, the Examiner of Interferences in his decision stated:

> The remaining counts 2 and 7 contain the restriction, "the minimum diameter of the lower portion being less than the minimum diameter of the upper portion in the region adjacent the shoulder." It is believed that it can not be said with certainty that this feature is disclosed in Barnhart's 1932 application. The dimensions in the drawing are so close that any difference in the minimum diameters could be attributable to a draftsman's error. The specification states (page 6, lines 20 et seq.) that the shafts taper uniformly throughout substantially their entire length but are provided with an increased section in the region near the head from which they again taper to the same diameter in the head. The "same diameter" is believed to mean the same minimum diameter as had been reached in the tapered section just above the shoulder. The feature described in the last phrase of counts 2 and 7 is thus not clearly shown in Barnhart's 1932 application, and it is therefore held that the application does not support counts 2 and 7.
>
> It may be noted that Barnhart did not present claims to the features discussed in the two preceding paragraphs in his 1932 application, and apparently had to file the 1934 application before he could obtain claims thereto.

Counsel for Barnhart vigorously challenge this holding of the Examiner of Interferences last above quoted, and affirmed by the Board of Appeals. In their brief it is stated:

> Count 2 is also disclosed in Fig. 2 of the Barnhart 1932 application, as is clearly evidenced by the drawing showing the tip end of the shaft to be of less diameter than the portion of the shaft above and immediately adjacent the shoulder I-(I').
>
> There is nothing in the specifications of this application to refute this showing. The recital in the specification that the shafts of Fig. 2 again taper from the shoulder to the same diameter in the head clearly does not mean, as held by the Examiner of Interferences, that the "diameter in the head" is the same as the minimum diameter of the shaft above the shoulder; it means rather that the diameter of the shafts of the two wood clubs at the tips, considering these two clubs collectively, is the same in each, which is logical, as the sockets or hosels in wood club heads of different styles are of the same diameter.

[4] It is well established that drawings alone in a patent application cannot form the basis of a valid claim, and the fact that "There is nothing in the specifications * * * to refute this showing" (of the drawing) is immaterial.

In the case of *Permutit Co.* v. *Graver Corp.*, 284 U. S. 52, 60, the court stated:

> * * * Moreover, while drawings may be referred to for illustration and may be used as an aid in interpreting the specification or claim, they are of no avail where there is an entire absence of description of the alleged invention or a failure to claim it. The statute requires the patentee not only to explain the principle of his apparatus and to describe it in such terms that any person may construct and use it after the expiration of the patent, but also to inform the public during the life of the patent of the limits of the monopoly asserted, so that it may be known which features may be safely used or manufactured without a license and which may not. * * *

It is a circumstance worthy of note that Barnhart continued the prosecution of his 1932 application long after the filing date of his patent application, but in that prosecution presented no claims containing limitations such as are embraced in counts 2, 3, 5, and 7. According to the record before us the claims of the two applications were prosecuted simultaneously from October 30, 1934, until August 26, 1935, which last-named date was the date of the last Office action upon the 1932 application; and, as stated by the Examiner of Interferences, Barnhart evidently was of the opinion that it was necessary to file a new application in order to secure the allowance of claims corresponding to counts 2, 3, 5, and 7.

[5] Paraphrasing language used by us in the case of *In re Adams*, 28 C. C. P. A. (Patents —, 117 F.(2d) 1617, Patent Appeal No. 4435, decided during the present term,

> It is clear to us that if Barnhart, at the time his 1932 application was filed, had a conception of the invention embraced in counts 2, 3, 5, and 7, he would have made some attempt to describe it in "full, clear, concise, and exact terms," as the statute requires. This he failed to do.

Not being convinced that the Board of Appeals erred in holding that Barnhart's 1932 application failed to disclose the subject matter of counts 2, 3, 5, and 7, we must affirm its holding that Barnhart is not entitled to the date of such application for constructive reduction to practice of the invention embraced in each of said counts.

Both tribunals of the Patent Office held that Vickery's parent application, filed June 6, 1933, disclosed the elements of each of the counts before us, and that he was entitled to that date for constructive reduction to practice of the invention embraced in each of the counts.

While Barnhart's reasons of appeal include an assignment of error on the part of the Board of Appeals in awarding to Vickery said date of June 6, 1933, for constructive reduction to practice of the invention, Barnhart's counsel have in their briefs made no contention as to this point. Therefore, without discussing the matter further, we deem it sufficient to say that we find no error in the holding of the board that Vickery is entitled

to said date of June 6, 1933, for constructive reduction to practice of the invention as embraced in each of the counts.

We will next consider the claims of the respective parties to conception and actual reduction to practice of the invention embraced in the counts prior to June 6, 1933, the filing date of Vickery's parent application.

It is established that the shafts relied upon by Vickery for conception and actual reduction to practice of the invention consisted of two sections, a part of the upper or grip portion being driven or telescoped into the upper end of the lower or head portion. Sometimes the telescoped portions were fastened by a rivet, but usually not as the driving of the upper portion into the lower portion created a very tight fit.

It is evident that the telescoped portions of the shaft created an area of stiffness compared with other tapered and flexible portions of the shaft, and that, the top of the lower portion being on the outside of the bottom of the upper portion, a shoulder was created. Each of the counts, however, recites that the "shoulder" referred to in counts 2, 3, 6, and 7, and by equivalent language in the other counts, protrudes from the upper portion and provides the upper terminus of the lower portion.

It is clear to us that Vickery's two-piece shafts do not support the element of the counts last above referred to, and therefore said two-piece shafts cannot be held to embody the invention embraced in the counts, and accordingly consideration of the evidence relative to such shafts is unnecessary.

With respect to Vickery's claimed earlier conception and reduction to practice of the involved invention, the Examiner of Interferences in his decision stated:

> While the Vickery record contains some early suggestions that Vickery intended to make his shafts eventually in one piece, the first definite showing of the structure of such a shaft is found in his letter of March 9, 1933, included in his Exhibit X (see page 15 of his printed brief, paper No. 97). Since Barnhart has been accorded a constructive reduction to practice on September 12, 1932, as to counts 1, 4, and 6, it is evident that he is the first to conceive and reduce to practice the invention defined by those counts, and priority as to them will be awarded to Barnhart.

We are in agreement with the view of the Examiner of Interferences, affirmed by the Board of Appeals, that Vickery has not established conception or reduction to practice of the invention prior to the filing date of Barnhart's early application, September 12, 1932.

We next come to the consideration of the testimony in behalf of Barnhart relative to his claimed conception and actual reduction to practice of the invention embraced in the counts.

The evidence upon this point was fully analyzed by the Examiner of Interferences in his decision, and his conclusions thereon were stated as follows:

> Viewing this evidence as a whole, it seems apparent that Barnhart, upon whom the burden lies of proving his case by a preponderance of the evidence, has not satisfactorily established by corroborating witnesses that he had, prior to June 6, 1933, a golf club embodying the invention defined in counts 2, 3, 5, and 7.
>
> * * * * * * * *
>
> Vickery has put in evidence copies of a large number of the Barnhart patents, and his correspondence with Arthur Morgan, who testifies relative to the early efforts in the promotion of his machine. If Barnhart had in mind the invention of these counts at an early date, it would be strange that such a structure was not made the subject matter of an application or at least discussed in his letters. Barnhart's reticence to testify of Arthur E. Morgan (Barnhart record, page 191, et seq.) and Thum (page 193, et seq.), is particularly marked in view of the evidence produced by Vickery as to their backing and interest.
>
> Vickery's conception and reduction to practice is established by the filing of an application for patent on June 6, 1933. Both as to date and subject matter such proof constitutes evidence of a peculiarly definite and satisfactory character, and distinctly different from the evidence offered by Barnhart as to his alleged activities prior to 1933 with the invention defined in counts 2, 3, 5, and 7. For the reasons previously pointed out, it is held that Barnhart's proofs do not satisfactorily establish conception of the invention of those counts prior to the late spring or early summer of 1933.
>
> * * * * * * * *
>
> The evidence is believed clearly insufficient to hold that Barnhart was continuously using reasonable diligence from a time just prior to June 6, 1933, until October 30, 1934. The testimony relative to seeking to interest manufacturing companies is very general in its nature as to efforts during the summer of 1933 and later, and these efforts would appear to be directed primarily towards the commercial promotion of the shafts. It may also be noted that no attempt was made to prosecute the subject matter of counts 2, 3, 5, and 7 in the 1932 application. Priority as to these counts, accordingly, will be awarded to Vickery on the ground that Barnhart, even if he was the first to conceive their subject matter, was the last to reduce that invention to practice, and was not diligent in so doing.

The Board of Appeals in its decision expressed its agreement with the above-quoted conclusions of the Examiner of Interferences. Upon the question of the diligence of Barnhart, the Board stated:

> As to Barnhart's diligence, he contends that he is under no special obligation of diligence and he does not allege that he was diligent during the critical period. The Examiner of Interferences ruled that even if Barnhart conceived the invention in issue prior to Vickery's filing date, he did not exercise the proper diligence in reducing the invention to practice by waiting until October 30, 1934, to file his application for patent. We agree with the Examiner of Interferences.

With respect to Barnhart's claimed early conception and reduction to practice of the involved invention, purely questions of fact are presented, and the rule is here specially applicable that concurring decisions of the Patent Office tribunals upon questions of fact will not be disturbed by us unless they are manifestly wrong.

It would unduly extend this opinion were we to discuss at length Barnhart's activities upon which he relies to establish an actual reduction to practice of the involved invention. Our inquiry here is limited to the question of whether the Patent Office tribunals were manifestly wrong in holding that Barnhart had not established conception or reduction to practice of the involved invention prior to the filing date of Vickery's patent application, June 6, 1933, or that, if Barnhart is entitled to a date for conception prior to June 6, 1933, he was not diligent in reducing the invention to practice immediately prior to and after Vickery's entrance into the field.

The Examiner of Interferences in his decision calls attention to the following: that, although Barnhart was a prolific inventor and has secured a number of patents, one of which was for a golf shaft, the application for which was filed December 13, 1926, he did not, until October 30, 1934, file an application for the invention embraced in counts 2, 3, 5, and 7, although Barnhart claims to have conceived and reduced to practice the invention embraced in said counts in 1926.

In addition to this, we would observe that if Barnhart was in possession of the invention embraced in counts 2, 3, 5, and 7 prior to the date of his 1932 application, it is strange that it was not distinctly described in his said application.

The Examiner of Interferences in his decision stated:

> The only golf club offered in evidence by Barnhart as embodying the invention at a date prior to the filing of Vickery's first application is Exhibit 2, which Barnhart states he had in 1926 (Barnhart printed record, pages 151, 159, 170). The party's testimony, under the long established doctrine of corroboration, can not by itself establish that assertion, and a consideration of the witnesses offered to corroborate the party Barnhart on this matter is therefore necessary. • • •

Concerning the golf club, Exhibit 2, which Barnhart testified he made and used in 1926, it was established by Vickery that the club head of said exhibit was not produced until after March 29, 1928.

One Raddatz, a rebuttal witness for Barnhart, testified that he was a golf club maker; that he was employed at the Annandale Golf Club in Pasadena, Calif., during the winters of 1924–1925, 1925–1926, 1926–1927, and again in the winter of 1930–1931; that the shaft of Exhibit 2 was brought to him "one of the early winters I worked there," and that he then mounted a head upon the same.

One Malley testified that he was a club maker and golf instructor employed at the Annandale Golf Club from April 18, 1923, until February 15, 1932; that the club head now forming a part of Exhibit 2 was placed thereon by said Raddatz. Malley testified to no date when Raddatz fitted the head on Exhibit 2. He did testify, however, that he (Malley) made golf clubs for Barnhart at different times from 1924 to 1935.

Barnhart's counsel contend that Raddatz might have fitted the club head on Exhibit 2 in the winter of 1930–1931, and that Raddatz' mistake as to the time, if any, was negligible. Barnhart's counsel further contend that the shaft of Exhibit 2 was drawn, according to the testimony, in 1926, and that it was first fitted with a head different from that now found upon it, and that the head now found upon it was fitted in 1930–1931.

We think this was possible of course, and no doubt this possibility was considered by the Patent Office tribunals in arriving at their decisions.

Another circumstance appearing in the record is Barnhart's relations with one William Thum, of Pasadena, Calif., and Arthur Morgan, President of Antioch College, Yellow Springs, Ohio, from 1925 to 1933. It appears from Mr. Morgan's testimony that Thum was a contributor to Antioch College, and, learning of certain inventions of Barnhart, Thum decided to associate himself with Barnhart in the commercialization of the latter's inventions, the net proceeds to Thum to go to said college. Morgan testified that Thum entered into a contract with Barnhart in February, 1926, by which Thum agreed to invest with Barnhart an estimated $10,000, for which he, Thum, was to receive a one-half interest in Barnhart's development of his inventions for the benefit of Antioch College; that in June, 1926 Barnhart visited Morgan at Antioch College, and that later, on two occasions, Morgan went to California and visited Barnhart's shop. Morgan testified that he sought to commercialize Barnhart's inventions disclosed to him, but was unsuccessful, and that most of his activities were during the years 1926 and 1927.

Morgan testified that Barnhart showed him three golf shafts produced by a machine, the invention of which machine he, Morgan, was endeavoring to commercialize. Barnhart testified that his Exhibit 2 was produced on such a machine in the early part of 1926. With respect to the invention involved in this interference Morgan testified as follows:

> Q. 9. I hand you the drawing of Barnhart Patent #2,050,554 involved in this controversy, and a copy of which patent is included in Vickery Exhibit B, and ask you if at any time Mr. Barnhart ever showed you a golf club shaft like that illustrated in the drawing of this patent? A. So far as I can recall, I never saw a shaft of his of that character.

Morgan further testified that Thum, before the contract with Barnhart was terminated, had furnished Barnhart about $30,000.

For some reason Barnhart seemed very reluctant to testify concerning his relations with Thum and Morgan. He testified that he never knew where Morgan lived, and did not know why he was taking an interest in putting his tapering tube process into use.

With regard to Thum, Barnhart testified in part as follows:

> XQ. 212. Who was William Thum?
> A. A man.
> • • • • • • •
> XQ. 213. Did you have any contact with him in connection with this work that you have testified you were doing in connection with tube tapering machines and processes during the years 1925, '6, '7 or thereafter?
> • • • • • • •
> A. Yes.
> XQ. 214. And what was the nature of this contact with him?
> • • • • • • •
> A. I believe he wanted to see the process put to use.
> XQ. 215. And did he do anything in the effort to accomplish this?
> • • • • • • •
> A. He might have.
> XQ. 216. Mr. Barnhart, are you being entirely frank? A. I believe so.
> • • • • • • •
> XQ. 225. Did Mr. Thum assist in the financing of the work you were doing?. A. He might have.
> XQ. 226. Well, now, Mr. Barnhart, as a matter of fact, he did, didn't he? A. I testified that he might have.
> XQ. 227. And I am now asking you if it was not the absolute fact that he did do so? A. Did do what?
> XQ. 228. Assist in the financing of the work you were doing? A. He might have helped.
> XQ. 229. I am not asking about probabilities; I am asking for facts. What is the fact? A. I am giving you facts.
> XQ. 230. All that you have told me so far is that he might have, which means to me that perhaps he did and perhaps he didn't, and that you don't know whether he did or not. Now, I am asking you if as a matter of fact you do know that he did contribute to the financing of this work? A. I don't want you to feel me obstinate, Mr. Slough, but I am giving you the information to the best of my ability.

It is only fair to note here that several witnesses testified in behalf of Barnhart in rebuttal, their testimony being to the effect that he is a man of the highest character as to honesty and integrity. There is much factual testimony favorable to Barnhart. We have referred at some length to testimony and circumstances not favorable to him only for the purpose of making plain that we could not properly hold that the Patent Office tribunals were manifestly wrong in holding that the earliest date to which Barnhart is entitled for conception and reduction to practice of the invention embraced in counts 2, 3, 5, and 7 is subsequent to June 6, 1933, the filing date of Vickery's parent application.

It follows from the foregoing that we must affirm the decision of the Board of Appeals awarding to Barnhart priority of invention of the subject matter of counts 1, 4, and 6, and to Vickery priority of invention of the subject matter of counts 2, 3, 5, and 7.

In conclusion we feel it our duty to call attention to the undue length of briefs of counsel in this case. The briefs of Barnhart consist of 217 pages, and those of Vickery consist of 367 pages. Their briefs would have been of much greater assistance to the court had they been condensed to one-half their length.

[6] Furthermore the principal brief for Vickery is replete with references to, and quotations from, an alleged brief in behalf of Barnhart before the Board of Appeals. This brief is no part of the record certified to us. Under these circumstances it was obviously improper to refer to or quote from said brief. *In re Britton*, 28 C. C. P. A. (Patents) —, 115 F.(2d) 249, Patent Appeal No. 4373.

We also find references in Barnhart's principal brief to Office action and quotations from papers in the Patent Office, for which we can find no basis in the record, and the observations we have made with reference to Vickery's brief are also applicable to the brief of Barnhart.

Other matters relating to certain motions before the Patent Office tribunals are included in the reasons of appeal of Barnhart and of Vickery, but inasmuch as they were not argued in the briefs of the parties or before us orally, we have assumed that such reasons of appeal have been abandoned.

[7] It follows from the foregoing that we are not convinced that the Board of Appeals erred in holding that Barnhart is entitled to priority of invention of the subject matter of counts 1, 4, and 6, and that Vickery is entitled to priority of invention of the subject matter of counts 2, 3, 5, and 7.

Therefore, the decision of the Board of Appeals with respect to both appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MARDEN ET AL. *v.* BRASELTON

No. 4,443. Decided April 14, 1941

[119 F.(2d) 174]

1. APPEAL—QUESTIONS NOT CONSIDERED IN PATENT OFFICE.
   "Inasmuch as the question of whether or not appellee's application discloses a grid in parallel electrical relationship with one of the electrodes, or an apertured or perforated grid, was not raised in appellants' motion to dissolve, or, so far as the record shows, in objections to amendments adding counts to the interference, and as these grounds were not considered by the Primary Examiner or, as we view it, by the Board of Appeals, we do not feel that these questions are properly before us."
2. INTERFERENCE—COUNTS—INTRODUCTORY PHRASE.
   Under the facts in the record, the term "ultra violet lamp," appearing in the preamble of counts, not regarded as a limitation in the counts.
3. SAME—REDUCTION TO PRACTICE—TESTIMONY AS TO SUCCESSFUL OPERATION.
   The burden being upon M and N, jointly the junior party, to establish priority of invention, it was their duty to establish facts upon which the conclusion by their corroboratory witness that the lamp, relied upon for reduction to practice, was successfully operated, was based.
4. SAME—SAME—SAME—WITNESS AN EXPERT.
   "Weight may sometimes be given to opinions of • • • experts without a detailed statement of facts upon which an opinion is expressed, such as would be required with respect to the opinion of one who is not an expert in the art."
5. SAME—SAME—NECESSITY FOR TESTS.
   Tests of negative glow ultra violet lamps in issue *Held* necessary to establish reduction to practice.
6. SAME—SAME—DELAY IN FILING APPLICATION.
   "While not disposed to give great weight to the delay of appellants in filing an application for a patent, we think it is a circumstance proper to consider in weighing the testimony upon the question of reduction to practice of the invention at the time claimed by appellants."
7. SAME—PRIORITY.
   Record reviewed and *Held* that the senior party B has the right to make the counts, and that priority properly was awarded to him, since the Board of Appeals did not err in holding that the junior party M and N had not established actual reduction to practice prior to B's entry into the field, and was clearly right in holding that M and N were not diligent in reducing to practice.

APPEAL from Patent Office. Affirmed.

Mr. J. W. Greenbowe (*Mr. Lloyd H. Sutton* and *Mr. Towson Price* of counsel) for Marden et al.

Mr. Harry Price (*Mr. H. R. Davies* and *Messrs. Braselton, Whitcomb and Davies* of counsel) for Braselton.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office in an interference proceeding, awarding priority of the subject matter of all the counts in issue, ten in number, to appellee Braselton. The decision of the Board reversed the decision of the Examiner of Interferences, which had awarded priority of invention as to all the counts to appellants.

The interference arises between an application of appellants filed November 19, 1931, and an application of appellee filed October 15, 1930. Appellants, being the junior party, had the burden of proving priority of invention by a preponderance of the evidence.

Interference No. 69,449 here involved, as originally declared, contained three counts, and was a three-party interference involving the parties to this appeal and one Gibson. On motion of Gibson four other counts were added to the interference, being counts 4, 5, 6, and 7 of the issue now before us. It appears from the record that the third party, Gibson, was eliminated from the interference upon failure to respond to an order to show cause why judgment on the record should not be entered against him. This left in interference No. 69,449 the parties to this appeal, the issue consisting of present counts 1 to 7, inclusive.

At the time interference No. 69,449 was declared, a second interference, No. 69,451, was declared

between the parties to this appeal, upon the same applications involved in interference No. 69,449. This was a two-party interference and, as originally declared, the issue therein consisted of two counts. Upon motion of the party Braselton, appellee here, a third count was added to the interference. Subsequent to the elimination of the party Gibson from interference No. 69,449, interference No. 69,451 was consolidated therewith, and the three counts forming the issue in interference No. 69,451 became counts 8, 9, and 10 of interference No. 69,449.

Of the counts constituting the issue of the interference, counts 1, 5, and 9 are thought to be illustrative and read as follows:

1. A negative glow lamp of the gaseous conduction type comprising an enclosing envelope, a plurality of thermionically active electrodes therein and a grid located between said electrodes.

5. A gaseous conduction lamp comprising an envelope, an ionizable medium therein, a plurality of thermionic electrodes and a grid also located therein, said electrodes being spaced from each other and supported by a press, said grid being located in the space between said electrodes, each of said electrodes including a hollow body having a thermionically active surface and a heater element, said heater elements being connected in electrical series relationship, said grid also being supported by said press.

9. An ultra violet lamp comprising an enclosing envelope, an ionizable medium, a plurality of electrodes and a grid located therein, said electrodes being spaced from each other and supported by a press, each of said electrodes including a heater element and a thermionically active material, a grid located in the space between said efectrodes, said grid being in electrical parallel relationship with one of said electrodes.

In his decision the Examiner of Interferences described the subject matter of the interference as follows:

The subject matter of this interference relates to lamps of the negative glow ultra violet type. The lamp comprises an envelope having a suitable ionizable medium therein and a plurality of electrodes having a thermionically active coating. Heating elements connected in series are provided for the electrodes and at least one grid is located in the space between the electrodes.

In a preliminary statement and in a supplemental preliminary statement appearing in the record appellants alleged conception of the invention in issue about January, 1930; actual reduction to practice by the making and operation of a full-sized device in February, 1930; that they made and operated several other full-sized devices, the time of the making and operation of such other devices not being alleged; and that they were diligent in adapting and perfecting the invention from about January, 1930, until the invention was reduced to practice.

No preliminary statement on behalf of appellee appears in the record. That one was made appears from the decision of the Examiner of Interferences.

In the early stages of Interferences 69,449 and 69,451, before their consolidation as aforesaid, appellants moved to dissolve the interferences on the ground that the three counts forming the issue of Interference 69,449 and the two counts of Interference 69,451 (now counts 1, 2, 3, 8, and 9) were unpatentable, and also on the ground that appellee here could not make claims corresponding to those counts for reasons set forth in said motion. The Primary Examiner in decisions in those interferences denied said motions to dissolve, and in addition, as above stated, permitted (over the objection of appellants) the addition of four counts to the issue of Interference 69,449 (present counts 4, 5, 6, and 7) and the addition of one count to Interference 69,451 (present count 10).

The Examiner of Interferences, in a decision in the consolidated interference now before us, held that appellants had established conception of the invention "at least as early as April 30, 1930"; that they had established actual reduction to practice of the invention as of the same date, and that

"Since the earliest date alleged by Braselton is subsequent to the date awarded to Marden and Nicholson for reduction to practice, the party Marden and Nicholson must prevail."

He thereupon awarded priority of invention as to all of the counts to appellants.

Upon appeal the Board of Appeals concurred in the Examiner's finding of April 30, 1930, for conception of the invention by appellants, but disagreed with the Examiner on the question of whether they had shown a reduction to practice. The Board held that there was no satisfactory proof of reduction to practice by appellants prior to their filing date, November 19, 1931, and further held that they had not established diligence from a time just prior to appellee's entry into the field until such filing date. In addition, the Board considered the questions raised by appellants of the right of appellee to make claims corresponding to the counts, and held that the Primary Examiner had correctly held that appellee could make such claims.

Two fundamental questions are before us on this appeal: 1, the right of appellee to make claims corresponding to the counts of the issue; and 2, whether appellants have established a reduction to practice of the invention prior to their filing date, and if not, whether diligence on their part has been established during the critical period. We will consider these questions in that order.

The question of appellee's right to make claims corresponding to the counts in issue was first raised before the Primary Examiner in appellants' motions to dissolve in the two interferences then existing, in which motions it was urged that Braselton could not make claims corresponding to the counts because he does not show a "negative glow" lamp and because he does not show an "ultra violet" lamp. No other grounds were alleged.

Responding to these contentions of appellants, the Primary Examiner in Interference 69,449 stated as follows:

The party Marden et al. contends that the party Braselton is not entitled to make the counts on the grounds that (*a*) he does not disclose a "negative glow lamp" as recited in the preamble of count 1, and (*b*) that he does not disclose an "ultra violet lamp" as recited in the preamble of counts 2 and 3, and (*c*) that he does not have a "grid" as required by counts 1 to 3.

(*a*) The discharge of electricity through a gaseous atmosphere shows two principal divisions, a luminous region close to the cathode (or electrode instantaneously functioning as cathode) called the negative glow, and another luminous region extending from near the cathode glow to the anode however far the latter may be from the former, called the positive column. It has become customary to designate as negative glow lamps those in which the electrodes are placed sufficiently close together as to substantially exclude the positive column. The tubes disclosed by Braselton fall into this general category as he makes use of the glow immediately surrounding the electrodes and does not have sufficient spacing to obtain a positive column.

(*b*) It is a well known fact as pointed out by the party Braselton in argument that electric discharges in gases produce ultra-violet radiation along with visible radiation and that common glasses transmit ultra-violet radiation in some degree. The preamble of a claim is a general statement identifying the art or field of invention to which the invention pertains. The term "ultra-violet" in the preamble of counts 2 and 3 merely indicates a preferred use of the structure recited thereafter. Preambles of claims sounding in use have no force as limitations on the structure. It is therefore not material to Braselton's right to make these counts that he did not disclose an intention to utilize the ultra-violet component of the radiation from his lamps.

(*c*) Braselton discloses in his Fig. 4, on which the counts 1 to 3 are readable, a helically wound wire element 49. This element is a grid within the definition given on page 2 ante. The helix is a common form of structure denoted by the term grid (grille) as indicated by the French Patent 607,650 cited by Marden.

The party Braselton can properly make claims corresponding to the counts 1 to 3.

It does not appear from the record in what manner the question was raised as to whether appellee discloses a grid.

In Interference 69,451 the Primary Examiner stated:

The counts 1 and 2 are properly readable on Fig. 4 of Braselton. The helices 48, 49 are properly called grids. Note that the French patent applies the term grid (grille) to the helix. Since electric discharges in gases produce ultra-violet radiation commingled with visible radiation, as is well known, no inaccuracy results in reading the counts on Braselton. The term "ultra-violet" in the preamble imports no specific limitation upon the structure recited by the counts.

In a petition for reconsideration common to both interferences appellants again urged that appellee could not make the claims constituting the counts, for the same reasons as before stated, and complained of the Examiner's holding that appellee's helices constituted grids. No other ground for reconsideration was set forth. In disposing of this petition the Examiner, in a decision in Interference 69,449, stated as follows:

The decision of August 26, 1935, has been carefully reviewed in view of the briefs submitted in support of, and in opposition to, the petition of the party Marden and Nicholson for reconsideration and modification. The patents cited in the petition are typical of those taken into consideration as background art by the Examiner, in his official capacity as expert in the art, in arriving at the decision questioned. No error is discovered in the decision requiring modification.

The Examiner declined to consider this petition for reconsideration as part of Interference 69,451 unless a second copy was filed in that interference. Presumably this was not done as no decision in this interference on a petition for reconsideration appears in the record certified to us.

In the decision of the Board of Appeals upon appellee's appeal from the decision of the Examiner of Interferences, the Board considered the question raised by appellants here of the right of appellee here to make the claims constituting the counts, and stated:

Marden et al. raised a question of the right of the party Braselton to make the claims forming the issues of this interference. The Examiner on motion considered this matter and held that the Braselton disclosure was sufficient to support the counts. Marden et al. contend that Braselton does not disclose a "negative glow lamp" as recited in the preamble to count 1 nor an "ultra-violet lamp" as recited in counts 2 and 3 and does not have a "grid" as required by counts 1–3.

The Examiner in his decision explained the principles of discharge of electricity through a gaseous atmosphere creating a negative glow and a "positive column." If the electrodes are placed sufficiently close together to exclude the positive column, then such lamps are designated as negative glow lamps and he held that the tubes disclosed by Braselton fall into this category. He further pointed out that ultra-violet radiation is produced in electric discharges in gases along with visible radiation and that common glasses transmit ultra-violet radiation to some degree. None of these facts is disputed by Marden et al. Their contention is that Braselton had no idea of developing ultra-violet light with negative glow. As for the term "grid" as used in the claims, it has a broad definition and the helically wound wire 49 of Fig. 4 of Braselton would come within this definition.

Appellant urges that the two lamps, that of Marden et al. and of Braselton, operate in a different manner and that may be, but the counts are broadly drawn and we believe should not be limited to a type of lamp disclosed specifically by Marden et al. as contrasted with the lamp disclosed by Braselton. We note that in Fig. 4 of Braselton the coated member 38 surrounds a heating element and the discharge occurs between such coating and coil 48. In the Marden et al. construction, the element 63 in Fig. 3 is similarly coated and might be compared to the element 38 of Braselton and the element 68 of Marden et al. might be compared to the element 48 of Braselton as broadly set forth in the counts of the interference.

We also note that certain claims are concerned with a gaseous conduction lamp only and not necessarily an ultra-violet negative glow lamp. In our opinion the claims are not sufficiently specific to distinguish over the Braselton construction.

It will be observed from said quotation that apparently there were only three points upon which appellants relied in their contention that appellee's application does not support the counts.

In a lengthy petition for reconsideration of the Board's decision appellants again discussed this question, among others, and in this discussion strongly urged, apparently for the first time, that Braselton could not make certain of the counts because he did not show a structure supporting the element of certain of the counts which, in count 9 reads: "said grid being in electrical parallel relationship with one of said electrodes," and did not disclose a perforated grid, as embraced in some of the counts.

The Board responded very briefly in its decision on appellants' petition for reconsideration, stating as follows:

We are held to have overlooked certain features of the counts in our holding that they read on Braselton. Appellants have not discussed any new points in this connection and we believe our decision should stand.

It thus appears that in three decisions by the Primary Examiner and two by the Board of Appeals this question of the right of appellee to make claims corresponding to the counts has been considered, upon all of the grounds raised by appellants prior to their motion for reconsideration of the first decision of the Board of Appeals.

[1] Inasmuch as the question of whether or not appellee's application discloses a grid in parallel electrical relationship with one of the electrodes, or an apertured or perforated grid, was not raised in appellants' motion to dissolve, or, so far as the record shows, in objections to amendments adding counts to the interference, and as these grounds were not considered by the Primary Examiner or, as we view it, by the Board of Appeals, we do not feel that these questions are properly before us. *Herthel et al* v. *Dubbs*, 20 C. C. P. A. (Patents) 1128, 65 F.(2d) 138, 437 O. G. 3.

As said in the case last cited, a consideration of this question "would carry us into a field which none of the tribunals below has explored."

In taking this position we have not overlooked the statement of the Board in its decision upon reconsideration that:

We are held to have overlooked certain features of the counts in our holding that they read on Braselton. Appellants have not discussed any new points in this connection and we believe our decision should stand.

We do not regard this language as meaning that the Board had considered the question of appellee's disclosure relative to the grid being in parallel

electrical relationship with one of the electrodes, or appellee's disclosure of an apertured or perforated grid. If the Board had considered these questions, it is strange indeed that no mention was made of them; their original decision states that the grounds urged by appellants with respect to appellee's right to make the claims forming the issues of the interference were that appellee's application does not disclose a "negative glow lamp" nor an "ultra-violet lamp" and does not disclose a "grid." This statement coincides with the statement of the Primary Examiner as to appellants' contentions as hereinbefore noted.

We think it proper to observe in this connection that we have had no assistance from appellee's brief upon the question of his right to make the claims corresponding to the counts. Appellee's counsel have contented themselves with merely quoting in an "Appendix" certain excerpts from the decisions of the Patent Office tribunals. The matters last above described are completely ignored in appellee's brief and, as hereinbefore stated, are not discussed in the decisions of the Patent Office tribunals.

It is of no assistance to us merely to quote excerpts from the decisions herein of the Patent Office tribunals for, of course, such decisions would receive our careful consideration without such quotation.

We now turn to a consideration of appellee's right to make claims corresponding to the counts upon three grounds urged by appellants.

These grounds are: that appellee does not disclose (1) a "negative glow lamp" as recited in counts 1, 8, and 10, (2) an "ultra-violet lamp" as recited in counts 2, 3, and 9, and (3) a "grid" as recited in each of the counts.

The Primary Examiner pointed out that a discharge of electricity through a gaseous atmosphere shows two principal divisions, a negative glow and a positive column; that a negative glow is the luminous region close to the cathode and a positive column is the luminous region extending from near the cathode to the anode, however far the latter may be from the former; that it is customary to designate as negative glow lamps those in which the electrodes are placed sufficiently close together so as to substantially exclude the positive column; that the lamp disclosed by appellee is of the last-named type, as he makes use of the glow immediately surrounding the electrodes and does not have sufficient spacing to obtain a positive column. The Board of Appeals agreed with this view.

We cannot find that appellants disagree with this view in so far as the structure disclosed by appellee is concerned; but, as we understand their contention, it is claimed that in the indicated operation of the structure appellee does not secure a "negative glow."

Even were this true, it is the structure that is here involved. These are not method claims, and if the structure disclosed by appellee is adapted to secure a negative glow lamp, appellee had the right to make the claim for a "negative glow lamp." Appellants admit that a negative glow light is disclosed in appellee's application, though not so denominated, but contend that such negative glow light is secured only in processing the lamp for the ultimate use intended by appellee.

Even if this be true, we regard it as immaterial, for the operation of the lamp, or processing as appellants term it, has nothing to do with the structure disclosed.

We are in agreement with the decisions of the Patent Office tribunals that appellee's application discloses a negative glow lamp.

[2] With respect to appellants' contention that appellee does not disclose an "ultra-violet lamp," we would observe that the Primary Examiner stated that electric discharges in gases produce ultra-violet radiation, along with visible radiation, and that the preamble in the counts reciting an "ultra-violet lamp" merely indicates a preferred use of the structure recited in the counts, and that it was immaterial that appellee did not disclose an intention to utilize the ultra-violet component of the radiation from his lamp. The Board of Appeals was in agreement with this view.

We are clear that the device disclosed by appellee is adapted to produce ultra-violet radiation, and under the facts in the record the term "ultra-violet lamp" should not be regarded as a limitation in the counts. *Braren* v. *Horner*, 18 C. C. P. A. (Patents) 971, 47 F.(2d) 358, 408 O. G. 825.

The last question upon this branch of the case is whether appellee's application discloses a grid as called for by each of the counts.

Appellee clearly discloses in his Figure 4, and describes in his application, a plurality of thermionic electrodes, and between them coils of tungsten wire surrounding each of them and spaced therefrom. It is these coils of wire which the Patent Office tribunals held to be grids responding to the element of the counts requiring a grid.

It is appellants' contention that while, under some circumstances, such coils might in the electrical art be termed "grids," in appellee's disclosure they do not function as such, and therefore are not grids within the meaning of that term as used in the counts.

Appellants insist that in the electrical art a grid is an electrode having one or more openings for the passage of electrons or ions, and that in appellee's disclosure, because of the electrical connection between his cathode sections, there cannot be any discharge or electron flow through his coils, which coils the Patent Office tribunals hold are grids within the meaning of the counts. This question of function is very technical, and although not discussed in the decisions of the Board of Appeals or the Primary Examiner, it was presumably considered by each of them, for the record shows that in motions for reconsideration of decisions this point was strongly urged by appellants.

We are not satisfied that in the operation of appellee's structure there cannot be any discharge or electrical flow through the turns of his coils, even if this question of function were determinative of the question of whether appellee discloses a grid.

For the reasons stated, we are unable to hold that the Board of Appeals erred in finding that appellee's application discloses a "grid" as recited in the counts.

Before concluding upon this branch of the case we think it proper to observe that in appellants' motion before the Board of Appeals for reconsideration of its decision it is stated:

> * * * anybody skilled in the art, after seeing the structure covered by the counts, could, in view of the development of the art at the time the invention was made, make a satisfactory lamp with such structural features, without any exercise of invention!
>
> * * * * * * * *
>
> On page 4 of Your Honors' decision, the statement is made that the Examiner on Motion held that the Braselton disclosure was sufficient to support the counts. The reason he did this was because he merely considered the physical structure of the lamps, while ignoring the functions and the connections.

Of course it is structure alone that is involved in the counts. It may be that if appellants had recited additional structure embracing connections in the lamps, in addition to those stated in the counts, appellee could not have made claims corresponding thereto; but that question is not before us.

The counts before us are broadly drawn; they relate to the same general subject matter, viz., electric lamps of the gaseous conduction type; the counts must be broadly construed, and it is elementary that we may not read limitations into them.

We next come to a consideration of appellants' claimed reduction to practice. As hereinbefore stated, the Examiner of Interferences held that appellants were entitled to a date for reduction to practice as of April 30, 1930, and that since the earliest date alleged by appellee is subsequent to said date, priority of invention with respect to all the counts should be awarded to appellants.

The Board of Appeals, while agreeing with the Examiner of Interferences that appellants were entitled to the date of April 30, 1930, for conception of the invention, held that there was no satisfactory proof of reduction to practice by appellants prior to their filing date, and further held that diligence had not been shown by appellants in reducing the invention to practice.

Each of the appellants testified that lamps embodying the structure of the counts were successfully operated in the month of April, 1930. The testimony of appellant Nicholson upon this point reads in part as follows:

> Q. 21. You state that as far as you know the lamp [Exhibit 4] referred to is one of those made by Dr. Marden and yourself. Have you actually seen such a lamp successfully operated as a negative glow ultra-violet lamp?
>
> By H. Price: Objected to as leading.
>
> A. Yes.
>
> Q. 22. Who successfully operated such a lamp, and when did this take place?
>
> By H. Price: Objected to as leading.
>
> A. Dr. Marden and myself operated such a lamp in the month of April, 1930.
>
> Q. 23. What is in the bulb of the lamp referred to, beside the structure? A. The bulb contains mercury and the vapor thereof.
>
> Q. 24. Did you and Dr. Marden make any lamps of the type of this exhibit, which contained anything else besides mercury as a filling atmosphere and if so, what and when were such lamps made and tested? A. Dr. Marden and I made lamps containing argon in addition to the mercury vapor. These lamps were made and tested during the first half of the month of March, 1930.
>
> Q. 25. What was the result of testing such lamps as you have described? By this I mean lamps constructed in accordance with this exhibit and with and without argon in addition to the mercury vapor. A. The results of testing these lamps indicated the amount of ultra-violet radiation obtained under varying conditions of operation and varying changes in structure.
>
> Q. 26. Did these results show anything with regard to the practicability of using these lamps for the production of ultra-violet light?
>
> By H. Price: Objected to as leading and calling for a conclusion.
>
> A. These results indicated that lamps embodying such features efficiently produced ultra-violet light. Such lamps *would* operate successfully for many hours. [Italics ours.]
>
> * * * * * * * *
>
> Q. 34. I understand from your testimony that you and Dr. Marden personally made the lamps like Exhibits 4 and 6. Can you not state by an inspection of the workmanship on these lamps whether or not these are not actually lamps made by you and Dr. Marden in March or April of 1930? A. From the looks of the lamps I have every reason to believe that they are lamps which we made during the specified time. These lamps, Exhibits 4 and 6, exhibit no features different from those which we did make at this time. Having been out of my possession for a number of years, I cannot state whether they are the identical lamps or lamps made embodying the same features. The parts and workmanship are such to lead me to believe that they are lamps referred to.
>
> Q. 35. Please state whether or not the lamps which you and Dr. Marden [made] and successfully tested in March or April, 1930, included all the elements of the lamps of Exhibits 4 and 6.—arranged as shown in these exhibits. A. Yes.
>
> By H. Price: Objected to as leading.

It will be observed that this witness did not testify that the lamp did operate for many hours, but simply that it would operate for many hours. This, we must assume, was nothing more than an expression of opinion of the witness.

Upon cross-examination this witness testified as follows:

> XQ. 49. Referring to your application involved herein, Serial No. 576,022, what specific improvements in respect to efficiency, age, current, amount of U. V. radiation and amount of ordinary radiation were you attempting to obtain by the lamps as shown in this application? A. Improved efficiency, greater life, greater amounts of ultra-violet radiation for a given amount of current resulted from features disclosed in Ser. No. 576,022.

Appellant Marden testified that about July, 1930, "a considerable number, perhaps a hundred" of the lamps embodying the invention "were made and put on life test to determine the characteristics of this type of device." The witness further testified as follows:

> Q. 69. For approximately what period of time were lamps embodying the joint invention on life test? A. These life tests ran over a period of five hundred or one thousand hours, were started about the end of July or in August, and since the groups were not all started at one time, the tests propably continued throughout the latter part of 1930. In burning five hundred or one thousand hours sometimes the life test was continuous burning and sometimes it was on what is called an on and off schedule. This is done because the life of lamps of this type is often materially different when turned on and off than when burned continuously.

We find no testimony in the record as to whether this so-called "life test" was successful or not.

Appellants' physical Exhibits 4 and 6 were introduced in evidence, and there is testimony, not contradicted, that these exhibits embody the structure of the counts. These lamps are, however, not positively identified as having been made and tested at any particular time, but appellants testified that they believed that they made these exhibits and that they are like those they made in April, 1930.

The only corroborating witness was Dr. Harvey C. Rentschler, Director of Research of the Lamp

Division of the Westinghouse Electric & Manufacturing Company, under whom appellants worked, they also being employed by said company at the time of the claimed reduction to practice here involved.

Dr. Rentschler testified to the disclosure to him of the involved invention by appellants. He further testified in part as follows:

Q. 55. I hand you two sheets marked Marden and Nicholson Exhibit 2 [appellants' report to Westinghouse Patent Department] and ask you to identify this and state what it represents in connection with the ultra-violet lamp development which you have just described. A. This disclosure also witnessed by me suitable for operating with a higher current so as to produce a greater output of ultra-violet radiation. It also discloses the use of a grid structure to relieve the indirectly heated cathodes of some of the bombardment by the discharge current so as to be able to obtain a more satisfactory life and to prevent overheating of the electrodes in spots by the bombardment.

Q. 56. I hand you a lamp marked Marden and Nicholson Exhibit 4 and ask you to describe this as compared with Exhibit 2 which you have just inspected. A. This lamp involves the structure described under "(*b*)" of the second page of the disclosure and in addition has a solid plate between the electrodes, such as is shown under "(*a*)" of page 2 of the disclosure.

Q. 57. When and by whom was this lamp, Exhibit 4, made? A. This lamp is exactly similar to the lamps that were made by Dr. Marden and Mr. Nicholson in the early days of their experimental work on ultra-violet lamps, and I assume that it is one of the lamps made by them in the early part of 1930, such as they made before the date of their disclosure, which was April 30, 1930.

Q. 58. State when, if at all, you have seen lamps exactly as here shown successfully operated for the production of ultra-violet light. A. I am quite certain I saw this lamp in successful operation before the date of signing this disclosure.

By Mr. H. Price: Objected to as leading and calling for a conclusion.

Q. 59. How many lamps of the type shown in Exhibit 4 were made and successfully operated? And when were they operated? A. It is difficult to state just how many were made, but I do know that a number of lamps embodying this general structure were made up and satisfactorily operated, and that—least several of them were satisfactorily the date of the disclosure, Exhibit 2.

By Mr. H. Price: Same objection.

Q. 60. I hand you a lamp marked Marden and Nicholson Exhibit 6 and ask you to compare it with that of Exhibit 4 and state the inventorship of this lamp, if you know it. A. Dr. Marden and Mr. Nicholson invented these lamps. The structure of the two is the same.

By Mr. H. Price: Same objection.

* * * * * * *

Q. 63. As Director of Research, would you consider that the ultra-violet lamp development that you have discussed was a successful development or merely an experiment which was abandoned before the application was filed on November 19, 1931? A. It was a successful development as is borne out by the fact that many ultra-violet lamps with a discharge between hot cathodes were manufactured.

By Mr. H. Price: Same objection as Q. 58.

We find no testimony in the record as to the successful operation by appellants of lamps embodying the structure of the counts, other than that hereinbefore quoted, prior to appellee's filing date.

Dr. Rentschler being the only corroborating witness with respect to reduction to practice of the invention by appellants, the question before us is whether his testimony is sufficient, together with the other evidence on behalf of appellants, to establish such reduction to practice.

[3] It will be observed from the testimony quoted that in each of the questions propounded to this witness he was asked if the lamps were "successfully operated" or if the lamp was a "satisfactory development." There appears to be no reason why the facts upon which his conclusion was based should not have been brought out. True, they could have been brought out upon cross-examination; nevertheless, the burden was upon appellants to establish priority of invention, and it was their duty to establish facts upon which the conclusion of satisfactory operation was based.

[4] It is true that Dr. Rentschler is an expert in the art, and that weight may sometimes be given to opinions of such experts without a detailed statement of facts upon which an opinion is expressed, such as would be required with respect to the opinion of one who is not an expert in the art. *Seeberger* v. *Russel*, 26 App. D. C. 344, 121 O. G. 2328.

However, there are circumstances in this case which lead us to the conclusion that the Board of Appeals did not err in holding that, notwithstanding the testimony of Dr. Rentschler, reduction to practice of the invention by appellants has not been established.

It will be noted from the testimony hereinbefore quoted that appellant Nicholson testified that the specific improvements over the prior art in appellants' device resulted in "Improved efficiency, greater life, greater amounts of ultra-violet radiation for a given amount of current." Of course, if any one of these results was secured by the operation of appellants' device, reduction to practice was accomplished.

If greater amounts of ultra-violet radiation were secured by the operation of appellants' device than were secured by the operation of lamps of the prior art for a given amount of current, the record shows that that fact could be definitely determined by measurements. The record fairly shows that a determination as to whether appellants' device had a greater life than lamps of the prior art was not made prior to the time that Dr. Rentschler testified he saw the lamps successfully operated, for appellant Marden testifies that lamps embodying the invention were put on life test about the end of July, 1930, and that such tests probably continued throughout the latter part of 1930. He also testified that the life tests "ran over a period of five hundred or one thousand hours." There is no testimony as to the result of this test; and even though it may be assumed that his testimony that the tests ran over a period of 500 or 1000 hours establishes that appellants' lamps had a longer life than lamps of the prior art, the testimony of the witness in that regard is not corroborated.

[5] We agree with the Board of Appeals that tests of lamps embodying the invention were necessary to establish a reduction to practice.

It seems strange that, if such tests were made and were successful, a careful record of the same would not have been made by the Westinghouse Company. We find no documentary evidence in the record of tests of lamps embodying the invention. In the report of appellants (Exhibit 2) to the patent department of the Westinghouse Company (presumably one of the real parties in interest here) which disclosed the involved invention, and which report was witnessed by Dr. Rentschler, it is stated: "These structures have been made and can be seen at any time."

Those in charge of the patent department must have appreciated the desirability of adequate tests of the invention in order to establish reduction to practice, but there is no record of such tests if any were made.

Another circumstance in connection with this matter is the fact that while the involved invention was reported by appellants to the patent department of the Westinghouse Company on April 30, 1930, application for patent was not filed until November 19, 1931, or more than eighteen months after the disclosure of the invention to the patent department.

This would not be important had there been an actual reduction to practice of the invention by appellants, but it would seem that the patent department would have required some documentary evidence of reduction to practice before delaying so long in applying for a patent.

Of course this might all be explained on the theory that the patent department either did not believe that appellants' disclosure involved an invention, or believed that further tests were required to demonstrate the success of appellants' disclosure.

It is true that before the Patent Office tribunals appellants' counsel on the motion to dissolve the interference strenuously contended that the involved counts were not patentable over the prior art; or, in other words, insisted that neither party was entitled to a patent containing claims corresponding to the counts.

[6] While not disposed to give great weight to the delay of appellants in filing an application for a patent, we think it is a circumstance proper to consider in weighing the testimony upon the question of reduction to practice of the invention at the time claimed by appellants.

The testimony relied upon by appellants to establish reduction to practice of the invention was given more than seven years after their claimed reduction to practice. We think some of our observations in the case of *MacGregor* v. *Johnston*, 21 C. C. P. A. 1216, 71 F.(2d) 165, 448 O. G. 508, are applicable here. We there said:

* * * This is not a case where an inexperienced individual inventor was struggling with the solution of a problem. The individuals connected with this controversy, upon both sides, were experienced experts in their respective lines of activity.

When the record is considered as a whole, including the fact that, although the machine tested in Rexburg is said to have worked perfectly in August, 1925, the application for patent was not filed until September, 1926, and all the circumstances surrounding the parties and the occurrences are looked to, we do not feel that the junior party should prevail simply upon the arbitrary oral statements that the occurrences took place in 1925. The memories of men are too treacherous to admit of blind reliance upon them, and of all the records which it seems that the appellant, Johnston, might have produced in the way of documentary evidence, tending to support the alleged dates, nothing really helpful was produced. It seems to have been a case in which the effort was to see how little, rather than how much, could be proven.

[7] As hereinbefore indicated, we are not satisfied that the Board of Appeals erred in holding that appellants have not established actual reduction to practice prior to appellee's entry into the field, or at any other time. The Board was clearly right in holding that appellants had not established diligence in reducing the invention to practice from immediately prior to appellee's entry into the field to appellants' filing date, November 19, 1931, the latter being the date to which appellants are entitled for constructive reduction to practice.

For the reasons here stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,498,269, J. J. Harris, Adhesive material, filed June 3, 1941, D. C., N. D. Ill., E. Div., Doc. 3030, *J. J. Harris* v. *M. H. Detrick Co.* Doc. 3031, *J. J. Harris* v. *Standard Paste & Glue Co.* Same, filed June 12, 1941, D. C., N. D. Ill., E. Div., Doc. 3084, *J. J. Harris* v. *Eagle Picher Lead Co.*

1,508,394, C. H. Hoyt, Fastening inserting machine; 1,558,737, R. F. McFeely, Lasting machine, C. C. A., 6th Cir., Doc. 8438, *The Williams Mfg. Co.* v. *United Shoe Machinery Corp.* Claims 6, 23, 42, 85, and 91 of 1,558,737 held valid and infringed, claims 19 and 21 of 1,508,394 held invalid June 25, 1941.

1,508,437, W. A. Baker, Hot air pipe for carburetors, filed June 20, 1941, D. C., W. D. Tex. (Austin). Doc. 96, *W. A. Baker* v. *Western Auto Supply Co.*

1,545,808, G. Ajello, Safety device for aircraft, D. C., S. D. N. Y., Doc. 5/157. *G. Ajello* v. *Pan American Airways Corp.* Judgment (notice June 27, 1941).

1,558,737. (See 1,508,394.)

1,853,260, F. A. Crossett, Syringe, D. C., S. D. Calif. (Los Angeles), Doc. 412-BH, *F. A. Crossett* v. *Professional Specialties Co. et al.* Dismissed pursuant to stipulation June 24, 1941.

1,922,415, M. Banks, Electrical—including radio—apparatus, filed June 13, 1941, D. C., N. D. Ill., E. Div., Doc. 3088, *M. Bank* v. *Neward Electric Co., Inc., et al.*

1,985,238, E. M. Brogden, Treatment of fresh fruit in preparation for market, D. C. Tex. (Brownsville), Doc. 112, *Brogdex Co.* v. *S. C. Rieke et al.* Consent decree holding claims 1, 2, 4, 7, and 8 valid and infringed (notice June 26, 1941).

1,990,329, L. D. Johnson et al., Food product and method, filed June 14, 1941, D. C., N. D. Ill., E. Div., Doc. 3096, *Mead Johnson & Co.* v. *Hillman's, Inc.*

2,006,566, M. J. Zimmer, Strainer, D. C., S. D. N. Y., Doc. 13/428, *The Edward Katzinger Co.* v. *Automatic Wire Goods.* Dismissed June 10, 1941.

2,016,168, D. M. Clark, Elastic fabric, D. C., S. D. N. Y., Doc. 13/267, *Ladifabrics, Inc.*, v. *Bilt-Rite Knitting Mills, Inc.* Consent judgment (notice June 24, 1941).

2,048,605, A. J. Fisher, Closed car ventilation; Re. 18,866, E. A. Wright, Vehicle body, C. C. A., 6th Cir., Doc. 8623, *Ternstedt Mfg. Co. et al.* v. *Motor Products Corp.* Patents held invalid June 25, 1941.

2,055,931, L. F. Kelly, Dynamo electric machine, filed June 27, 1941, D. C., E. D. Wis. (Milwaukee), Doc. 551, *The Louis Allis Co.* v. *Century Electric Co.*

2,092,085, H. F. Riley, Temperature control device, D. C. Mass., Doc. 960, *H. F. Riley* v. *A. E. Borden Co.* Judgment for plaintiff by default for an injunction May 19, 1941.

2,123,114, G. Looper, Tufting machine, D. C., N. D. Ga (Rome), Doc. 358, *Glenn Looper* v. *Dixie Belle Spread Co., Inc., et al.* Dismissed May 21, 1941.

2,197,216, M. L. Kaufmann, Door hanger and fuel charging means for rotary furnaces, filed June 11, 1941, D. C., N. D. Ill., E. Div., Doc. 3074, *H. Lindenberger* v. *Interstate Smelting & Refining Co., Inc.*

Re. 18,866. (See 2,048,605.)

Re. 20,370, T. E. Lefort, Process for the production of ethylene oxide, C. C. A., 4th Cir., Doc. 4774, *U. S. Industrial Chemicals, Inc.*, v. *Carbide & Carbon Chemicals Corp.* Decree affirmed June 27, 1941.

Re. 20,945, F. Bedell, Device for indicating oscillograph curves as stationary, filed June 24, 1941, D. C., N. D. Ill., E. Div., Doc. 3125, *General Radio Co.* v. *Triumph Mfg. Co.*

Des. 94,122, F. E. Ehrenreich, Coffee urn, filed June 20, 1941, D. C., N. D. Ill., E. Div., Doc. 3114, *Continental Coffee Co., Inc.*, v. *The A. Cooper Co.*

Des. 105,925, D. Rosenthal, Dress, D. C., S. D. N. Y., Doc. E 85/345, *Rosenthal & Kalman Co., Inc.*, v. *Golden Ray Dress Co., Inc.* Dismissed for lack of prosecution (notice June 13, 1941).

Des. 107,159, B. Fried, Dress, D. C., S. D. N. Y., Doc. E 86/256, *Columbia Dance Frocks, Inc.*, v. *Fashion Fair, Inc.* Dismissed for lack of prosecution June 13, 1941.

Des. 109,837, M. Sobelman, Dress, D. C., S. D. N. Y., Doc. E 87/344, *Mary Muffet, Inc.*, v. *Princess Juniors, Inc., et al.* Dismissed for lack of prosecution June 13, 1941.

Des. 113,481, A. Schwartz, Dress ensemble, D. C., S. D. N. Y., Doc. 2/429, *Ashley Frocks, Inc.*, v. *Jay Lane Frocks, Inc.* Dismissed for lack of prosecution June 13, 1941.

Des. 116,124, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 5/400, *Flora Dress Co.* v. *Varsity Dress Co., Inc.* Dismissed for lack of prosecution June 13, 1941.

Des. 116,640, M. Solash, Hat, D. C., S. D. N. Y., Doc. 11/232, *M. Solash* v. *Salona Hat Co., Inc.* Consent judgment (notice June 12, 1941).

Des. 117,028, L. Hoshafian, Dress, D. C., S. D. N. Y., Doc. 6/91, *Roseveb Frocks, Inc.*, v. *Trussel Dress Co., Inc., et al.* Consent judgment June 10, 1941.

Des. 118,911, B. Shapiro, Dress, D. C., S. D. N. Y., Doc. 8/75, *Benjamin Shapiro* v. *Gilt Junior Dress Corp. et al.* Dismissed for lack of prosecution (notice June 13, 1941).

Des. 119,461, B. Roth, Dress, D. C., S. D. N. Y., Doc. 8/345, *Bernard's* v. *Juliette Frocks, Inc.* Dismissed for lack of prosecution (notice June 13, 1941).

Des. 119,552, L. L. Kashine, Dress ensemble, D. C., S. D. N. Y., Doc. 13/312, *Ladycraft Dresses, Inc.*, v. *Puritan Shirt & Dress Co.* Stipulation of discontinuance (notice June 26, 1941).

Des. 119,717, P. Calick, Dress ensemble, D. C., S. D. N. Y., Doc. 8/304, *Calbert Dress Co.* v. *Trussell Dress Co., Inc.* Dismissed for lack of prosecution June 13, 1941.

Des. 120,090, C. Frankel, Dress, D. C., S. D. N. Y., Doc. 8/435, *Navarre Frocks, Inc.*, v. *Stately Dress Co., Inc.* Dismissed for lack of prosecution (notice June 13, 1941).

Des. 120,231, M. E. Singerman, Textile fabric, D. C., S. D. N. Y., Doc. 9/2, *Singerman-Dinel Fabrics Corp.* v. *Yale Fabrics Corp.* Consent order of discontinuance (notice June 18, 1941)

Des. 120,297, P. Heit, Dress ensemble, D. C., S. D. N. Y., Doc. 14/280, *Weinberg, Weinberg & Alpern* v. *Holsberg & Lasoff, Inc.* Stipulation of discontinuance (notice June 24, 1941).

Des. 121,438, A. Karsh, Combination refreshment dish and tray, filed June 21, 1941, D. C. S. D. N. Y., Doc. 14/460, *Keystone Silver, Inc.*, v. *L. Batlin & Son, Inc.*

Des. 122,034, R. H. Shipston, Textile fabric, D. C., S. D. N. Y., Doc. 12/384, *Constance Fabrics Corp.* v. *Rose Fabrics Co.* Stipulation of discontinuance (notice June 13, 1941).

Des. 122,215, S. Kuznetz, Dress ensemble, D. C., S. D. N. Y., Doc. 10/265, *Lipman Bros.* v. *D. R. A., Inc.* Stipulation of discontinuance (notice June 23, 1941).

Des. 122,661, E. S. Emsheimer, Textile fabric, D. C., S. D. N. Y., Doc. 11/45, *Emsheimer Fabrics Co.* v. *Martin Weiner Co.* Consent order of discontinuance (notice June 25, 1941).

Des. 125,399, M. Haon, Dress, D. C., S. D. N. Y., Doc. 13/190, *Sheila-Lynn, Inc.*, v. *R. H. Macy & Co., Inc.* Consent judgment (notice June 13, 1941).

Des. 125,701, A. Del Re, Coat, D. C., S. D. N. Y., Doc. 13/384, *Monarch Garment Co., Inc.*, v. *Faitelson Coat Co.* Default judgment (notice June 20, 1941).

Des. 126,166, E. Cutler, Dress ensemble, D. C., S. D. N. Y., Doc. 13/451, *Fred Perlberg, Inc.*, v. *Glad Modes, Inc* Consent judgment (notice June 19, 1941).

Des. 126,772, G. Andree, Dress ensemble, D. C., S. D. N. Y., Doc. 14/94, *Martini Frocks, Inc.*, v. *Beth-Paige Frocks, Inc.* Consent judgment (notice June 17, 1941).

Des. 127,392, M. Fields, Dress, D. C., S. D. N. Y., Doc. 14/352, *Parisian Mfg. Co., Inc.*, v. *Arnold Constable Co., Inc.* Consent order of discontinuance (notice June 26, 1941).

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,214,693, J. T. Grotenhuis, Oil burning apparatus, decided July 14, 1941, claim 1.

Pat. 2,226,330, E. B. Symons, Impact crusher, decided July 14, 1941, claim 1.

Disclaimers

2,055,408.—*Lewis Franklin Hahn*, New York, N. Y. TERMINAL CAP FOR SPARK PLUGS. Patent dated September 22, 1936. Disclaimer filed July 18, 1941, by the assignee, *Air-Shields Incorporated.*

Hereby enters this disclaimer to claims 3, 5, 9, 12, 14, 18, 19, 21, and 31 of said Letters Patent.

2,133,689.—*Carleton Ellis*, Montclair, N. J. UREA ALDEHYDE MOLDING COMPOSITIONS CONTAINING A LATENT CURING CATALYST. Patent dated October 18, 1938. Disclaimer filed July 22, 1941, by the assignee, *Plaskon Company, Incorporated.*

Hereby disclaims claims 1 and 7 of said patent; and further disclaims from claim 3 all urea-formaldehyde molding compositions containing a latent catalyst in which said latent catalyst is a salt of chloracetic acid; and further disclaims from claim 8 all molding compositions comprising a glucanure and a small proportion of a salt of a chlorinated straight chain monocarboxylic acid in which said salt is a salt of chloracetic acid; and further disclaims from claim 9 all molding compositions comprising a glucanure and a small proportion of a salt of a halogenated aliphatic carboxylic acid in which said salt is a salt of chloracetic acid.

2,196,871.—*Salvatore Minucci*, Pittsfield, Mass. ELECTRIC REGULATOR. Patent dated April 9, 1940. Disclaimer filed July 19, 1941, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 6, 7, 10, 11, 12, and 13 of said Letters Patent.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 12, 1941

[VOL. 529. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 430,278. THE HARVEL CORPORATION, Irvington, N. J. Filed Apr. 2, 1940.

CARDOLITE

FOR RAW OR PARTLY PREPARED MATERIALS MADE FROM CASHEW NUT SHELL LIQUID, IN LIQUID, PASTE, RUBBER-LIKE, SOLID, AND PULVERIZED FORMS, IN SHEETS, AND IN THE FORM OF MOLDING COMPOUNDS FOR USE AS A RUBBER SUBSTITUTE AND FOR GENERAL USE.

Claims use since Jan. 21, 1935.

Ser. No. 442,108. CHAPMAN CHINCHILLA SALES COMPANY, Inglewood, Calif. Filed Mar. 31, 1941.

Imperial

FOR CHINCHILLAS, THE ANIMALS AND THE PELTS.

Claims use since 1934.

Ser. No. 442,109. CHAPMAN CHINCHILLA SALES COMPANY, Inglewood, Calif. Filed Mar. 31, 1941.



FOR CHINCHILLAS, THE ANIMALS AND THE PELTS.

Claims use since 1934.

Ser. No. 442,688. BURNETT'S INCORPORATED, Newark, N. J. Filed Apr. 18, 1941.

BIRD TEETH

Applicant disclaims the word "Bird" apart from the mark.

FOR GRIT, GRAVEL, OYSTER SHELL, AND CHARCOAL FOR BIRDS.

Claims use since 1920.

Ser. No. 443,517. THE PYRO CLAY PRODUCTS COMPANY, Oak Hill, Ohio. Filed May 12, 1941.

LADELITE

FOR REFRACTORY USED IN RAMMING, COATING AND SPRAYING LADLES IN IRON, MALLEABLE AND BLAST FURNACE LADLES AND ALSO USED IN CUPOLA WELLS, SPOUTS, TROUGHS, BREASTS, ETC., AND IN OTHER TYPES OF FURNACES AND LOCATIONS WHERE SLAG IS A CONDITION OF MELTING.

Claims use since Jan. 27, 1941.

Ser. No. 444,071. TRU ALLEN COVEL, Sunnylands, Paget East, Islands of Bermuda. Filed May 31, 1941.

FAIRY ISLE

FOR LILY BULBS AND LILY BUDS.

Claims use since July, 1916.

Ser. No. 444,243. UNITED CUT FLOWER CO. INC., New York, N. Y. Filed June 5, 1941.

ARISTON

FOR CUT FLOWERS.

Claims use since May 23, 1941.

CLASS 2

RECEPTACLES

Ser. No. 443,398. CORRO-LITH CORPORATION, New York, N. Y. Filed May 9, 1941.

Corro-lith

FOR FLOOR MERCHANDISE DISPLAY BINS AND CONTAINERS IN THE FORM OF FLOOR STANDS FOR DISPLAYING MERCHANDISE IN RETAIL STORES.
Claims use since May 1, 1941.

Ser. No. 444,476. SUPERIOR-LAWRENCE BAG COMPANY, Middletown, Ohio. Filed June 12, 1941.



FOR PAPER BAGS.
Claims use since Jan. 1, 1928.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 443,880. GOLD SEAL IMPORTERS, INCORPORATED, New York, N. Y. Filed May 24, 1941.

Josef

FOR LADIES' HAND BAGS.
Claims use since Dec. 31, 1939.

Ser. No. 445,004. ROBERT APPEL, New York, N. Y. Filed July 2, 1941.

Plasticflex

FOR LADIES' HANDBAGS.
Claims use since Jan. 1, 1941.

Ser. No. 445,055. HARTMANN TRUNK COMPANY, Racine, Wis. Filed July 3, 1941.

SKYLARK

FOR HAND LUGGAGE CASES EQUIPPED WITH GARMENT CARRYING FIXTURES, HAT BOXES, OVERNIGHT CASES, PULLMAN CASES, AND SHOE CASES.
Claims use since June 19, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 438,061. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Nov. 19, 1940.

SOL-WET

Applicant disclaims "Wet" apart from the mark.
FOR DETERGENTS FOR WASHING FRUIT.
Claims use since Aug. 24, 1940.

Ser. No. 441,277. ROBERT BROWN, doing business as Coffette Co., Long Island City and New York, N. Y. Filed Mar. 6, 1941.

Coffette

FOR SOAP.
Claims use since Dec. 1, 1940.

Ser. No. 442,920. STUB COMPANY, Brooklyn, N. Y. Filed Apr. 24, 1941.

Stub
2-WAY
BEARD SOFTENER

Applicant disclaims the words "2-Way Beard Softener" apart from the mark.
FOR BEARD SOFTENER AND A MENTHOLATED AND MEDICATED BRUSHLESS SHAVING CREAM.
Claims use since May, 1940.

Ser. No. 443,969. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed May 27, 1941.

ULTRA
-
WASH

The word "Wash" is disclaimed apart from the mark.
FOR CLEANER FOR AUTOMOBILE BODIES.
Claims use since Mar. 10, 1941.

Ser. No. 444,660. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed June 18, 1941.

STAN-TEST

FOR CLEANING SOLVENTS FOR GENERAL HOUSEHOLD, PROFESSIONAL, AND COMMERCIAL CLEANING.
Claims use since May 9, 1941.

Ser. No. 444,785. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed June 24, 1941.

MOUNTIE

FOR TOILET SOAPS.
Claims use since Mar. 1, 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 432,800. 20TH CENTURY CHEMICAL COMPANY, Camden, N. J. Filed June 7, 1940.

20TH CENTURY

FOR PREPARATIONS FOR CLEANING RADIATORS AND MOTOR COOLING SYSTEMS; CHEMICAL PREPARATIONS FOR DRESSING FABRICS AND FOR WATERPROOFING PURPOSES; CHEMICAL PREPARATIONS TO PREVENT LEAKING; CHEMICAL PREPARATIONS FOR SOLDERING; CHEMICAL PREPARATIONS FOR SHOCK ABSORBERS AND KNEE ACTION UNITS OF AUTOMOBILES, BUSES, TRUCKS, TRACTORS AND AIRPLANES; CHEMICAL PREPARATIONS FOR CLEANING INTERNAL COMBUSTION MOTORS AND REMOVING CARBON; CHEMICAL PREPARATIONS FOR CLEANING RADIATORS; COMPOUNDS FOR CLEANING RADIATOR COOLING SYSTEMS; CARBON DECOMPOSER; CHEMICAL RUST PREVENTATIVE; RADIATOR STOP LEAK; RADIATOR FLUSH (IN LIQUID AND IN GRANULAR FORMS IN CAPSULES); HYDRAULIC BRAKE FLUID; SHOCK ABSORBER FLUID; NON-EVAPORATING ANTIFREEZE.
Claims use since Feb. 1, 1937.

Ser. No. 439,526. THOMAS EUGENE STUBBLEFIELD, doing business as Cuban Laboratories, Los Angeles, Calif. Filed Jan. 9, 1941.



The representation of the female head is fanciful.
FOR HAIR PRESSING OILS AND INGREDIENTS OF HAIR PRESSING OILS.
Claims use since Mar. 1, 1938.

Ser. No. 440,461. MARY DOUGLAS, INC., New York, N. Y. Filed Feb. 8, 1941.



The name "Mary Douglas" consists of the signature of Mary Douglas of applicant corporation.
FOR SACHETS AND FLOWER PACKS.
Claims use since June 15, 1940.

Ser. No. 442,408. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Apr. 9, 1941.

B-GON

FOR PARASITICIDES, INSECTICIDES, ANIMAL POISONS, AND ANIMAL REPELLENTS.
Claims use since Mar. 27, 1941.

Ser. No. 442,707. INDUSTRIAL CHEMICAL PRODUCTS COMPANY, Detroit, Mich. Filed Apr. 18, 1941.

BOYL-COTE

No claim is made to the word "Cote" apart from the mark.
FOR MIXTURE WITH AN ACID, SUCH AS A PHOSPHORIC ACID, BASE TO BE APPLIED TO THE SURFACES OF FERROUS AND NON-FERROUS METALS TO PREPARE THE SAME FOR PAINTING.
Claims use since June, 1940.

Ser. No. 442,708. INDUSTRIAL CHEMICAL PRODUCTS COMPANY, Detroit, Mich. Filed Apr. 18, 1941.

ETCHENE

FOR MIXTURE WITH AN ACID, SUCH AS A PHOSPHORIC ACID, BASE TO BE APPLIED TO THE SURFACES OF FERROUS AND NON-FERROUS METALS TO PREPARE THE SAME FOR PAINTING.
Claims use since August, 1940.

Ser. No. 443,264. PETROLITE CORPORATION, LTD., St. Louis, Mo. Filed May 5, 1941.

solid

FOR CHEMICAL AGENT FOR INHIBITING, PREVENTING, AND REMOVING DEPOSITS OF ASPHALT, WAX, PARAFFIN, ORGANIC MATERIALS, AND THE LIKE IN OIL WELLS, OIL COLLECTING LINES, TANKS, AND SIMILAR PETROLEUM HANDLING EQUIPMENT.
Claims use since January, 1926.

Ser. No. 443,831. WALTER K. ANGEVINE, Washington, D. C. Filed May 23, 1941.

A-210
ECTOPARASITICIDE

The word "Ectoparasiticide" is disclaimed.
FOR INSECTICIDE SPECIALLY PROCESSED TO ALLAY IRRITATION IN THE TREATMENT OF PEDICULOSIS, SCABIES AND FOR THE ERADICATION OF ANIMAL PARASITES, AND THEIR EGGS, INFESTING THE BODY; AND FOR EXTERNAL USE ON BOTH HUMANS AND DOMESTIC ANIMALS.
Claims use since Apr. 25, 1941.

Ser. No. 444,054. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed May 29, 1941.

MACALVIT

FOR MEDICINAL PREPARATION RECOMMENDED AS A GENERAL INVIGORATOR AND RESTORATIVE FOR USE DURING GROWTH, PREGNANCY, CONVALESCENCE, AND IN FATIGUE, DEBILITY, DIETARY DEFICIENCIES AND SIMILAR CONDITIONS.
Claims use since May 13, 1941.

Ser. No. 444,196. LYLE WAYNE MILLS, doing business as Hill's Laboratories, Silver Spring, Md. Filed June 4, 1941.

AMIRONBE

FOR MEDICINAL PREPARATION TO BE USED IN IRON AND VITAMIN B COMPLEX DEFICIENCY.
Claims use since May 19, 1941.

Ser. No. 444,209. VAN PELT & BROWN, INC., Richmond, Va. Filed June 4, 1941.

VANOGEL

FOR MEDICINE TO BE TAKEN INTERNALLY FOR USE AS AN ANTI-ACID IN THE TREATMENT OF GASTRO-INTESTINAL DISTURBANCES AND HYPERACIDITY.
Claims use since Sept. 3, 1940.

Ser. No. 444,231. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 5, 1941.

BEDOME

FOR PHARMACEUTICAL PREPARATIONS USED IN THE TREATMENT OF AND TO AVOID METABOLIC DEFICIENCIES, INCLUDING PREPARATIONS CONTAINING VITAMINS, AND PARTICULARLY VITAMIN B_1.
Claims use since May 28, 1941.

Ser. No. 444,232. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 5, 1941.

CEDOME

FOR PHARMACEUTICAL PREPARATIONS USED IN THE TREATMENT OF AND TO AVOID METABOLIC DEFICIENCIES, INCLUDING PREPARATIONS CONTAINING VITAMINS, INCLUDING PREPARATIONS CONTAINING VITAMIN C.
Claims use since May 28, 1941.

Ser. No. 444,233. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 5, 1941.

KADOME

FOR PREPARATIONS FOR FACILITATING THE INTER-ACTION OF BLOOD CONSTITUENTS, INCLUDING PREPARATIONS FOR FACILITATING COAGULATION OF THE BLOOD AND PREPARATIONS FOR IMPROVING THE CLOTTING PROPERTIES OF BLOOD AND FOR USE IN THE TREATMENT OF AND FOR AVOIDING METABOLIC DEFICIENCIES, INCLUDING PREPARATIONS CONTAINING VITAMINS AND INCLUDING PREPARATIONS CONTAINING VITAMIN K.
Claims use since May 28, 1941.

Ser. No. 444,234. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 5, 1941.

TRI-A

FOR ASTRINGENTS, ANALGESICS, ANTISEPTICS AND OINTMENTS, AND PREPARATIONS HAVING ANY OF THE PROPERTIES AND USES OF ASTRINGENTS, ANALGESICS, ANTISEPTICS, AND OINTMENTS, INCLUDING ASTRINGENT, ANALGESIC, AND ANTISEPTIC OINTMENTS.
Claims use since May 28, 1941.

Ser. No. 444,273. NATIONAL POWDER EXTINGUISHER CORPORATION, Jersey City, N. J. Filed June 6, 1941.

ALL'OUT

FOR FIRE EXTINGUISHING COMPOUNDS.
Claims use since May 29, 1941.

Ser. No. 444,591. ATLAS POWDER COMPANY, Wilmington, Del. Filed June 17, 1941.

RENEX

FOR EMULSIFYING, WETTING, AND DISPERSING AGENTS.
Claims use since May 28, 1941.

Ser. No. 444,937. LENTHERIC, INCORPORATED, New York, N. Y. Filed June 28, 1941.

ANCHORS AWEIGH

FOR EAU DE COLOGNE, AFTER-SHAVE LOTION, AND SCALP STIMULANT.
Claims use since June 19, 1941.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 443,706. TRANSCONTINENTAL & WESTERN AIR, INC., North Kansas City, Mo. Filed May 19, 1941.

TWA

FOR ASH TRAYS HAVING AS A PART THEREOF A TOY AIRPLANE.
Claims use since 1939.

CLASS 10

FERTILIZERS

Ser. No. 445,015. MILLER CHEMICAL AND FERTILIZER CORPORATION, Baltimore, Md. Filed July 2, 1941.

V.H.P.F.

FOR WATER SOLUBLE FERTILIZER.
Claims use since May 1, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 440,828. MINERALS, INC., Franklin, N. C. Filed Feb. 20, 1941.

VERCALITE

FOR CONCRETE MIXTURES AND PLASTERS.
Claims use since July, 1939.

Ser. No. 444,158. OLD COLONY TAR COMPANY, INC., Sparta, N. J. Filed June 3, 1941.

OCTAR

FOR ROAD TAR.
Claims use since May 20, 1941.

Ser. No. 444,181. THE M. J. GROVE LIME COMPANY OF FREDERICK COUNTY, Lime Kiln, Md. Filed June 4, 1941.

FREE STATE

FOR MASONRY MORTAR.
Claims use since May 22, 1941.

Ser. No. 444,212. JOHN A. BECKER, doing business as Gumputtie Laboratories, Chicago, Ill. Filed June 5, 1941.

SUPREME

FOR PLASTIC COMPOUND FOR CAULKING, GLAZING, AND SEALING.
Claims use since June 2, 1941.

Ser. No. 444,309. THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y. Filed June 7, 1941.

PANELBESTOS

FOR ASBESTOS-CEMENT WALL BOARD.
Claims use since Jan. 2, 1940.

Ser. No. 444,312. THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y. Filed June 7, 1941.

TEX-TABS

FOR ASPHALT SHINGLES.
Claims use since Aug. 15, 1938.

Ser. No. 444,619. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed June 17, 1941.

MOTIF 'D

FOR ACOUSTICAL TILE.
Claims use since May, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 433,747. EDWARD WALKER, doing business as No-Pans Washer Co., Cliffside Park, N. J. Filed July 6, 1940.

NO-PANS

FOR PLUMBING FAUCET AND VALVE WASHERS.
Claims use since June 13, 1940.

Ser. No. 443,586. STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed May 14, 1941.

STAR

FOR TOGGLE BOLTS.
Claims use since August, 1938.

Ser. No. 444,345. LEWIN-MATHES COMPANY, East St. Louis, Ill. Filed June 9, 1941.



FOR METAL TUBES AND TUBING.
Claims use since Oct. 1, 1940.

Ser. No. 444,607. PARA MANUFACTURING CO., INC., Newark, N. J. Filed June 17, 1941.

HEADLINER

FOR SHOWER CURTAINS, AND MATCHING WINDOW DRAPES AND SHOWER CURTAINS SOLD TOGETHER AS A UNIT.
Claims use since June 9, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 444,230. JOSEPH T. RYERSON & SON, INC., Chicago, Ill. Filed June 5, 1941.

NIKROME

FOR ALLOY STEEL.
Claims use since Sept. 1, 1937.

CLASS 15

OILS AND GREASES

Ser. No. 443,451. BILLUPS PETROLEUM COMPANY, Greenwood, Jackson, Clarksdale, Indianola, Belzoni, Columbus, Columbia, Gulfport, Itta Bena, Natchez, and Durant, Miss.; Lakes Charles, New Iberia, New Orleans, Jennings, Opelousas, Eunice, Franklin, Alexandria, Amite, and Hammond, La.; and Memphis, Tenn. Filed May 10, 1941.

FRIEND PENN



The word "Penn" is disclaimed apart from the mark.
FOR FUEL OIL, GASOLINE OIL, ILLUMINATING OIL, LUBRICATING OIL, GASOLINE, AND GEAR GREASE.
Claims use since Jan. 1, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 441,104. NATIONAL ENAMELING AND STAMPING COMPANY, Milwaukee, Wis. Filed Feb. 28, 1941.

Nesco Chef

FOR ELECTRICAL ROASTERS, BROILERS, AND COOKERS.
Claims use since Feb. 18, 1941.

Ser. No. 442,359. MAX HERR, Chicago, Ill. Filed Apr. 7, 1941.



No claim is made to the word "Products" apart from the mark.
FOR FLUORESCENT ELECTRIC LAMPS.
Claims use since Feb. 12, 1941.

Ser. No. 443,406. HENRY J. DOW, doing business as Trophy Radio Co., St. Paul, Minn. Filed May 9, 1941.

BASEBALL

FOR RADIO RECEIVING SETS.
Claims use since Apr. 21, 1941.

Ser. No. 443,407. HENRY J. DOW, doing business as Trophy Radio Co., St. Paul, Minn. Filed May 9, 1941.

OFFICIAL LEAGUE

FOR RADIO RECEIVING SETS.
Claims use since Apr. 21, 1941.

Ser. No. 443,408. HENRY J. DOW, doing business as Trophy Radio Co., St. Paul, Minn. Filed May 9, 1941.

TROPHY

FOR RADIO RECEIVING SETS.
Claims use since Apr. 21, 1941.

Ser. No. 443,702. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y. Filed May 19, 1941.



FOR MISCELLANEOUS ELECTRIC COILS AND ELECTRIC MOTORS ESPECIALLY ADAPTED FOR AIRCRAFT USE.
Claims use since July 8, 1940.

Ser. No. 444,451. HALOWAX CORPORATION, New York, N. Y. Filed June 12, 1941.

FENOX

FOR PLASTIC SEALING COMPOUNDS HAVING ELECTRICAL INSULATING PROPERTIES FOR USE IN OPENINGS AROUND ELECTRICAL CONDUITS, RECEPTACLES, AND FIXTURES.
Claims use since Jan. 9, 1941.

Ser. No. 444,508. W. N. MATTHEWS CORPORATION, St. Louis, Mo. Filed June 13, 1941.

TEEGAPS

FOR LIGHTNING PROTECTION DEVICES.
Claims use since Nov. 23, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 442,806. SPOTSWOOD SPECIALTY COMPANY, Lexington, Ky. Filed Apr. 21, 1941.

WILD WEST SINGING LARIAT

The words "Singing Lariat" are disclaimed apart from the mark.
FOR TOYS SIMULATING LARIATS.
Claims use since April, 1935.

Ser. No. 442,821. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Apr. 22, 1941.

HIT!

FOR BURN-OUT GAMES.
Claims use since Feb. 17, 1941.

Ser. No. 442,822. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Apr. 22, 1941.



FOR BURN-OUT GAMES.
Claims use since Feb. 17, 1941.

Ser. No. 444,850. BERTHA ALEXANDER, doing business as Alexander Doll Company, New York, N. Y. Filed June 26, 1941.

"Lou-Le'-Tex"

FOR DOLLS.
Claims use since Apr. 1, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 438,800. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Dec. 13, 1940.

TAPERFEX

FOR ANTIFRICTION BEARINGS AND PARTS THEREOF.
Claims use since Oct. 10, 1940.

Ser. No. 441,542. OTTO KAUFMAN COMPANY, Chicago, Ill. Filed Mar. 14, 1941.

PEERLESS

No claim is made to the word "Peerless" apart from the mark.

FOR HAND TOOLS—NAMELY, HOES, FORKS, RAKES, WATER MIXERS, LAWN EDGERS, DANDELION WEEDERS, CULTIVATORS, AND COMBINATION CULTIVATORS AND WEEDERS, AND LAWN MOWERS.
Claims use since Sept. 13, 1938.

Ser. No. 442,249. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed Apr. 4, 1941.

The Patriot

FOR CARPET SWEEPERS.
Claims use since Oct. 30, 1940.

Ser. No. 444,466. NATIONAL RING TRAVELER CO., Pawtucket, R. I. June 12, 1941.

NATIONAL-ETARTNEP

FOR TRAVELERS FOR USE ON SPINNING AND TWISTING RINGS.
Claims use since Apr. 30, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 439,799. S. F. BOWSER & COMPANY, INCORPORATED, Fort Wayne, Ind. Filed Jan. 21, 1941.

BOWSER

SERV-A-PLANE

FOR MEASURING AND DISPENSING APPARATUS FOR GASOLINES OR OTHER LIQUIDS.
Claims use since Dec. 26, 1940.

Ser. No. 440,323. JOHN R. ELLIOTT, Philadelphia, Pa. Filed Feb. 5, 1941.

CADOMETER

FOR INSTRUMENT FOR CHECKING THE PACES OR TIMING OF PACES OF MARCHING PERSON OR PERSONS
Claims use since Sept. 2, 1940.

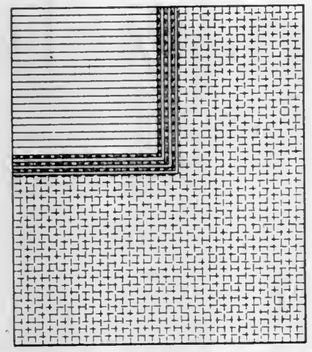
Ser. No. 442,640. SPAULDING-MOSS COMPANY, Boston, Mass. Filed Apr. 16, 1941.

SEMCO

FOR SENSITIZED DIRECT POSITIVE PAPER AND CLOTH, SENSITIZED BLUE PRINT PAPER AND CLOTH, SENSITIZED VAN DYKE PAPER AND CLOTH; MECHANICAL DRAWING AND ARTISTS' MATERIALS—NAMELY, DRAWING INSTRUMENTS, DRAWING BOARDS, SLIDE RULES, MEASURING RULES, MEASURING TAPES, LETTERING INSTRUMENTS, TRIANGLES, T-SQUARES, MACHINES FOR BLUE PRINTING, MACHINES FOR DIRECT POSITIVE PRINTING, DRAWING TABLES, DRAFTING FURNITURE, SURVEYING INSTRUMENTS, PLUMB BOBS AND SURVEYING FIELD BOOKS.

Claims use upon sensitized blue print paper and cloth and sensitized Van Dyke paper and cloth since October, 1828; sensitized direct positive paper and cloth since January, 1938; and upon mechanical drawing and artists' materials—namely, drawing instruments, drawing boards, slide rules, measuring rules, measuring tapes, lettering instruments, triangles, T-squares, machines for blue printing, machines for direct positive printing, drawing tables, drafting furniture, surveying instruments, plumb bobs and surveying field books, since October, 1928.

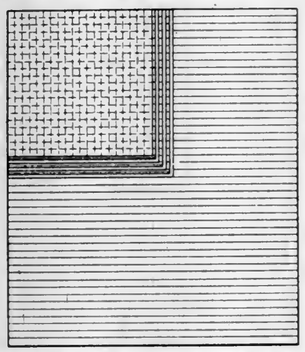
Ser. No. 443,785. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed May 21, 1941.



The drawing is lined for blue and yellow. The outline of the label is disclaimed.

FOR CLINICAL THERMOMETERS, THERMOMETERS, BAROMETERS, AND COMPASSES.
Claims use on said clinical thermometers since Aug. 30, 1940; on said thermometers since Nov. 14, 1940; on said barometers since June 6, 1940; and on said compasses since Sept. 12, 1940.

Ser. No. 443,786. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed May 21, 1941.



The drawing is lined for yellow and blue. The outline of the label is disclaimed.

FOR THERMOMETERS, BAROMETERS, ALTIMETERS, COMPASSES, SPHYGMOMANOMETER PARTS, RECORDING CHARTS AND RELATIVE HUMIDITY INDICATING DEVICES.
Claims use since Oct. 1, 1940.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 443,989. VICTORIA-VOGUE, INC., New York, N. Y. Filed May 27, 1941.

Vic-Tex

FOR POWDER PUFFS.
Claims use since July 15, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 444,945. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 28, 1941.

HARMONY HOUSE

FOR VENETIAN BLINDS AND SLIP COVERS FOR FURNITURE.
Claims use since Jan. 2, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 426,914. TURBINE SEWER MACHINE COMPANY, Milwaukee, Wis. Filed Dec. 26, 1939.

Stop RATTLING MANHOLE COVERS WITH "TUFF-RING" MANHOLE CUSHION TURBINE SEWER MACHINE CO.

The representation of the goods and the words "Stop Rattling Manhole Covers with Tuff-Ring Manhole Cushion, Milwaukee, Wis.," are disclaimed apart from the mark.

FOR GASKETS.
Claims use since Nov. 27, 1939.

Ser. No. 445,032. THE ANCHOR PACKING COMPANY, Philadelphia, Pa. Filed July 3, 1941.

ANKOR-FLEX

FOR MACHINERY PACKING.
Claims use since May 7, 1941.

Ser. No. 445,054. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 3, 1941.

C D

FOR PNEUMATIC TIRES.
Claims use since Dec. 28, 1932.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 441,573. CARL GORR PRINTING CO., Chicago, Ill. Filed Mar. 15, 1941.

ENCORE

FOR PHONOGRAPH RECORDS.
Claims use since Mar. 8, 1941.

Ser. No. 443,606. KRAUTH & BENNINGHOFEN, Hamilton, Ohio. Filed May 15, 1941.

VEEDESK

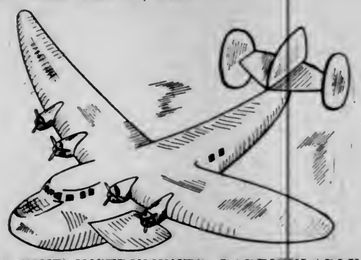
FOR MUSIC STANDS.
Claims use since May 7, 1941.

Ser. No. 444,371. AMERICAN PIANO CORPORATION, New York, N. Y. Filed June 10, 1941. Under 10-year proviso.

Lindeman & Sons

FOR PIANOS.
Claims use since Jan. 1, 1859.

Ser. No. 444,429. THE H. N. WHITE COMPANY, Cleveland, Ohio. Filed June 11, 1941.



FOR WIND INSTRUMENTS, PARTICULARLY CORNETS, TRUMPETS, TROMBONES, CLARINETS, SAXOPHONES, AND BASSES.
Claims use since May 15, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 443,245. BLOOMINGDALE BROS., INC., New York, N. Y. Filed May 5, 1941.

PLAZA

FOR TISSUE PAPER AND WRITING PAPER AND ENVELOPES.
Claims use since Jan. 30, 1941.

Ser. No. 443,709. BADGER PAPER MILLS, INC., Peshtigo, Wis. Filed May 20, 1941.

ARTOPAQUE

FOR PAPER FOR GENERAL PRINTING PURPOSES SUCH AS STATIONERY, OFFICE FORMS, BROADSIDES, AND ENVELOPE INSERTS.
Claims use since Apr. 25, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 424,231. BELNAP AND THOMPSON, INC., Chicago, Ill. Filed Oct. 5, 1939.

SELL-EBRATION

FOR ADVERTISING MATERIAL SOLD TO THE TRADE AS SUCH.
Claims use since Nov. 12, 1935.

Ser. No. 428,561. HENRIETTA RIPPERGER, Brooklyn, N. Y. Filed Feb. 14, 1940.

TIPS TO THE TEENS

FOR SECTION OR COLUMN APPEARING IN A NEWSPAPER OR PERIODICAL.
Claims use since July, 1935.

Ser. No. 432,371. AMERICAN DECALCOMANIA CO., INC., Chicago, Ill. Filed May 27, 1940.

Syntho-VENEER

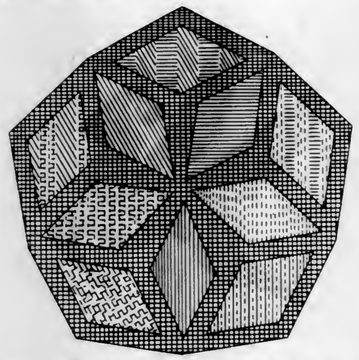
The word "Veneer" is disclaimed apart from the mark.
FOR DECALCOMANIAS.
Claims use since May 2, 1940.

Ser. No. 434,993. NATIONAL NEEDLECRAFT BUREAU, New York, N. Y. Filed Aug. 14, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

SEW and SAVE

FOR PUBLICATION, A MAGAZINE ON NEEDLECRAFT PUBLISHED ANNUALLY.
Claims use since Jan. 18, 1940.

Ser. No. 442,901. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Apr. 24, 1941.



In the drawing the radial diamonds are lined to indicate the five principal hues of the Munsell Color System—red, yellow, green, blue, and purple; and the five peripheral diamonds are lined to indicate the five intermediate hues of the Munsell Color System—red purple, purple blue, blue green, green yellow, and yellow red; all of which diamonds appear on a background which is lined to indicate that said background is black.
FOR PUBLICATIONS RELEASED FROM TIME TO TIME AND WHICH PUBLICATIONS ADVERTISE THE APPLICANT'S PAINTS AS WELL AS DIFFUSE USEFUL GENERAL INFORMATION RELATING TO EXTERIOR AND INTERIOR PAINTING AND DECORATING.
Claims use since December, 1935.

Ser. No. 443,214. LICENSEE, INC., Washington, D. C. Filed May 2, 1941.

The.... LICENSEE

FOR PERIODICAL PUBLICATION.
Claims use since Apr. 29, 1941.

Ser. No. 443,600. THE GERARD PUBLISHING CO., New York, N. Y. Filed May 15, 1941.

Who *The Magazine about People*

The words "The Magazine About People" are disclaimed apart from the mark.
FOR PERIODICAL.
Claims use since Mar. 20, 1941.

Ser. No. 444,102. SPAULDING-MOSS COMPANY, Boston, Mass. Filed May 31, 1941.

GELITHO

FOR LITHO PRINTS.
Claims use since May 23, 1941.

Ser. No. 444,484. ALL-AMERICAN COMICS, INC., New York, N. Y. Filed June 13, 1941.

GREEN LANTERN

FOR MAGAZINE PUBLICATION.
Claims use since May 1, 1941.

Ser. No. 444,578. ORDEN CABALLERO DE LA LUZ, Tampa, Fla. Filed June 16, 1941.

LUZ Y VERDAD

FOR PUBLICATION BEING THE OFFICIAL ORGAN OF THE APPLICANT FRATERNAL ORGANIZATION.
Claims use since Mar. 1, 1915.

Ser. No. 444,602. NEA SERVICE, INC., Cleveland, Ohio. Filed June 17, 1941.

ARMY ANTICS

FOR COMIC DRAWINGS, PUBLISHED IN DAILY AND SUNDAY NEWSPAPERS.
Claims use since May 18, 1941.

CLASS 39

CLOTHING

Ser. No. 438,091. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Nov. 20, 1940.

Downy-Baks

Applicant disclaims the wording apart from the mark.
FOR WOMEN'S, CHILDREN'S, AND INFANTS' UNDERWEAR.
Claims use since May 17, 1940.

Ser. No. 440,876. PETER PIPER CLOTHES INC., Philadelphia, Pa. Filed Feb. 21, 1941.

VIM-TEX *PRODUCT OF* PETER PIPER

The words "Product of" are disclaimed apart from the mark.
FOR CLOTHING—NAMELY, BOYS' CLOTH, WASH, AND KNITTED SUITS, ALSO CHILDREN'S OUTER KNITTED GARMENTS—NAMELY, SWEATERS.
Claims use since Feb. 3, 1941.

Ser. No. 441,612. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo. Filed Mar. 17, 1941.

SHOPPER

FOR SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER OR FABRIC.
Claims use since Mar. 1, 1941.

Ser. No. 442,132. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie, N. Y. Filed Mar. 31, 1941.

Stardust

FOR SLIPS.
Claims use since Nov. 6, 1935.

Ser. No. 442,680. WILSON BROTHERS, Chicago, Ill. Filed Apr. 17, 1941.

COMBINETTE

FOR MEN'S AND BOYS' DRESS, NEGLIGEE, WORK, AND UNDER SHIRTS, DRAWERS, AND PAJAMAS.
Claims use since July, 1913.

Ser. No. 442,921. MARTIN WHITE INC., New York, N. Y. Filed Apr. 24, 1941.

featheresque

FOR BATHING SUITS AND WOMEN'S SPORTWEAR CLOTHING CONSISTING OF DRESSES, SWEATERS, AND SLACK SUITS.
Claims use since Feb. 15, 1941.

Ser. No. 443,584. I. SPIEWAK & SONS, Jersey City, N. J. Filed May 14, 1941.



FOR SPORT AND WORK JACKETS, COATS, VESTS, AND SWEATERS FOR MEN, BOYS, JUVENILES, MISSES, AND LADIES.
Claims use since Feb. 1, 1938.

Ser. No. 443,743. BELDOCH-POPPER INC., New York, N. Y. Filed May 21, 1941.

AN Alberic ORIGINAL

The word "Original" is disclaimed apart from the mark.
FOR SWEATERS AND SWEATER ENSEMBLE, CONSISTING OF A SWEATER AND COAT.
Claims use since January, 1941.

Ser. No. 443,810. SAMUEL J. GOLDFARB, New York, N. Y. Filed May 22, 1941.

HOUSE-'N-GARDEN

No claim is made to the term "House-'N-Garden" apart from the mark.
FOR LADIES' DRESSES AND HOUSECOATS.
Claims use since May 1, 1941.

Ser. No. 443,943. LUSTBERG, NAST & CO., INC., New York, N. Y. Filed May 26, 1941.



THE FABRIC THAT TAMES BAD WEATHER

The word "Fabric" is disclaimed apart from the mark.
FOR MEN'S AND WOMEN'S OUTER GARMENTS—VIZ., COATS, JACKETS, WINDBREAKERS, PULLOVERS, SPORT SHIRTS, AND RAINCOATS.
Claims use since Aug. 11, 1939.

Ser. No. 444,115. BEST MADE SILK HOSIERY CO., Quakertown, Pa. Filed June 2, 1941.

NURSE'S PRIDE

No claim is made to the word "Nurse's" apart from the mark.
FOR HOSIERY.
Claims use since Feb. 14, 1941.

Ser. No. 444,123. LEONA UNDERGARMENT CO., INC., New York, N. Y. Filed June 2, 1941.

Dur-O-Seam Clipper

FOR LADIES' SLIPS.
Claims use since Sept. 1, 1938.

Ser. No. 444,124. LEONA UNDERGARMENT CO., INC., New York, N. Y. Filed June 2, 1941.

Yankette

FOR LADIES' SLIPS.
Claims use since Aug. 15, 1939.

Ser. No. 444,171. ATHENSON & PASSIN, INC., New York, N. Y. Filed June 4, 1941.



The notation "Trade Mark" is disclaimed.
FOR FUR COATS.
Claims use since Jan. 15, 1941.

Ser. No. 444,188. LEONA UNDERGARMENT CO., INC., New York, N. Y. Filed June 4, 1941.



FOR LADIES' SLIPS.
Claims use since June 15, 1939.

Ser. No. 444,264. LAMPL KNITWEAR COMPANY, Cleveland, Ohio. Filed June 6, 1941.

Zoo-Lo's

FOR LADIES' AND MISSES' DRESSES, BLOUSES, SWEATERS, SKIRTS, JACKETS, COATS, AND KNITTED SKIRTS, SWEATERS, AND JACKETS.
Claims use since May 25, 1941.

Ser. No. 444,407. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed June 11, 1941.

BFG 1870

FOR RUBBER HEELS AND SOLES.
Claims use since May 9, 1941.

Ser. No. 444,506. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed June 13, 1941.

Mansco

FOR ARTICLES OF WEARING APPAREL SPECIALLY DESIGNED FOR USE BY WOMEN—NAMELY, SKIRTS, BLOUSES, SWEATERS, BATHING SUITS, PAJAMAS, SHIRTS, AND KNITTED UNDERWEAR.
Claims use since May 20, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 443,399. THE WILLIAM CARTER COMPANY, Needham Heights, Mass. Filed May 9, 1941.

CRIB-TUCKER

No claim is made to the word "Crib" apart from the mark.
FOR INFANTS' BEDDING—NAMELY, CRIB COVERS.
Claims use since September, 1939.

Ser. No. 443,863. STARK BROS. RIBBON CORPORATION, New York, N. Y. Filed May 23, 1941.

Life Line

FOR TEXTILE RIBBONS MANUFACTURED FROM SILK, RAYON, AND COMBINATIONS OF SILK, RAYON, COTTON, AND TINSEL, SOLD BY THE YARD, SPOOL, PIECE, HANK OR BOLT.
Claims use May 13, 1941.

Ser. No. 444,253. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed June 6, 1941.

SHEPHERD'S FLOCK

No claim is made to the word "Flock" apart from the mark.
FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since June 4, 1941.

Ser. No. 444,393. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed June 11, 1941.

FUNDY

FOR COTTON GOODS IN THE PIECE.
Claims use since May 28, 1941.

Ser. No. 444,639. SILAS K. EVERETT, New York, N. Y. Filed June 18, 1941.

Everten

FOR PIECE GOODS MADE OF RAYON AND OTHER SYNTHETIC FIBERS, WITH OR WITHOUT ADMIXTURES OF NATURAL FIBERS.
Claims use since Mar. 13, 1940.

Ser. No. 444,655. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed June 18, 1941.

BUY-GUIDE

FOR BLANKETS AND PIECE GOODS OF COTTON, WOOL, ARTIFICIAL SILK AND MIXTURES THEREOF, AND SHEETS, PILLOW CASES, TOWELS, AND WASH CLOTHS.
Claims use since June 11, 1941.

Ser. No. 444,714. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed June 20, 1941.

GLOLON

FOR BLANKETS.
Claims use since June 17, 1941.

Ser. No. 444,743. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed June 21, 1941.

MOONSTAR

FOR QUILT COVERINGS MADE OF ACETATE RAYON SATIN.
Claims use since June 3, 1941.

Ser. No. 444,801. SHIRLEY SILK CO., INC., New York, N. Y. Filed June 24, 1941.

BINGO

FOR SILK FABRICS IN THE PIECE.
Claims use since July 13, 1939.

Ser. No. 444,802. SHIRLEY SILK CO., INC., New York, N. Y. Filed June 24, 1941.

MARS

FOR SILK FABRICS IN THE PIECE.
Claims use since July 13, 1939.

Ser. No. 444,803. SHIRLEY SILK CO., INC., New York, N. Y. Filed June 24, 1941.

SUMARA

FOR SILK FABRICS IN THE PIECE.
Claims use since July 13, 1939.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 433,428. THE COLUMBUS DENTAL MANUFACTURING COMPANY, Columbus, Ohio. Filed June 27, 1940.

Steele's CER AM-A-PAK

The word "Steele's" is a facsimile of the signature of the late Thomas Steele, formerly an officer of applicant corporation. The word "Pak" is disclaimed apart from the mark.
FOR DENTAL CERAMIC MATERIALS THAT ARE MARKETED AS A COMPLETE KIT FOR THE DENTIST TO USE IN MAKING ALTERATIONS AND ADDITIONS TO PORCELAIN TOOTH PRODUCTS.
Claims use since May 31, 1940.

Ser. No. 444,343. LEE DE FOREST LABORATORIES, Los Angeles, Calif. Filed June 9, 1941.

DYNATHERM

FOR ULTRA SHORT WAVE AND SHORT WAVE DIATHERMY DEVICES FOR TREATMENT OF HUMAN BEINGS.
Claims use since Oct. 17, 1935.

Ser. No. 444,344. LEE DE FOREST LABORATORIES, Los Angeles, Calif. Filed June 9, 1941.

THERMODYNE

FOR ULTRA SHORT WAVE AND SHORT WAVE DIATHERMY DEVICES FOR THE TREATMENT OF HUMAN BEINGS.
Claims use since Dec. 15, 1937.

Ser. No. 444,493. FLENTS PRODUCTS CO., INC., New York, N. Y. Filed June 13, 1941.

FLENTS

ANTI-NOISE EAR STOPPLES

No claim is made to the words "Anti-Noise Ear Stopples" except as shown.
FOR COMPRESSIBLE PLUG FOR THE OUTER END OF THE EAR CANAL TO PLUG IT AGAINST NOISES FROM THE EXTERIOR.
Claims use since March, 1930.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 443,539. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed May 13, 1941.

LIMERCO

FOR NONALCOHOLIC, MALTLESS SYRUP BASE CONSISTING OF A BLEND OF TERPENELESS OILS OF LIME, LEMON, AND ORANGE, AND NATURAL OIL OF BITTER ALMONDS FOR MAKING BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Nov. 30, 1931.

Ser. No. 443,540. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed May 13, 1941.

MERCONILLA

FOR NONALCOHOLIC MALTLESS IMITATION VANILLA FLAVORED SYRUP BASE FOR MAKING SOFT DRINKS.
Claims use since Oct. 1, 1925.

Ser. No. 444,261. F. A. FETSCH, doing business as Santa Monica Flavoring & Extract Co., Los Angeles, Calif. Filed June 6, 1941.

KING'S X

FOR BOTTLERS' BASE FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since May 5, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 433,955. BANKSTON-EDWARDS CANNING COMPANY, Zebulon, Ga. Filed July 15, 1940.

Miss GEORGIA

FOR CANNED PIMIENTOS, CANNED PEACHES, CANNED TURNIP GREENS.
Claims use since June 5, 1940.

Ser. No. 434,305. ATKINSON MILLING COMPANY, doing business as Cor-O-Wheat Company, Minneapolis, Minn. Filed July 25, 1940.

Cor-O-Wheat

The word "Wheat" is disclaimed apart from the mark.
FOR WHEAT GERM.
Claims use since June 1, 1940.

Ser. No. 438,876. GALLAGHER FRUIT COMPANY, San Jose, Calif. Filed Dec. 16, 1940.

PAX

FOR FRESH DECIDUOUS FRUITS.
Claims use since Nov. 27, 1940.

Ser. No. 439,129. STANDARD MILLING COMPANY, New York, N. Y. Filed Dec. 23, 1940.

FINETEX

FOR WHEAT FLOUR.
Claims use since Dec. 29, 1933.

Ser. No. 439,203. MICHIGAN POTATO GROWERS' EXCHANGE, INC., Cadillac, Mich. Filed Dec. 26, 1940.

LAKE LAND

FOR POTATOES.
Claims use since July 21, 1933.

Ser. No. 439,687. VICTOR M. CALDERON CO. INC., New York, N. Y. Filed Jan. 15, 1941.

PAPRIKA
RED CARNATION
BRAND

The words "Paprika" and "Brand" are not claimed apart from the mark.

FOR PAPRIKA IN ITS NATURAL STATE, IMPORTED IN LARGE SACKS HOLDING ONE HUNDRED AND TEN POUNDS NET, WHICH IS RESOLD IN BULK IN THE SAME CONTAINERS FOR MANUFACTURING PURPOSES AND TO BE SOLD UNDER PRIVATE BRANDS.

Claims use since September, 1939.

Ser. No. 440,891. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif. Filed Feb. 21, 1941.

Cal-Gro

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since Apr. 12, 1920.

Ser. No. 442,599. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif. Filed Apr. 15, 1941.

GOLDEN MEMORIES

FOR FRESH CITRUS FRUIT AND CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Feb. 10, 1941, on fresh citrus fruit; and since Apr. 2, 1941, on canned citrus fruit juices.

Ser. No. 442,923. P. UNANUE, New York, N. Y. Filed Apr. 24, 1941.



GOYA

The portrait is that of the Spanish painter Goya, who died during the year 1828.

FOR OLIVE OIL, VINEGAR, AND SPANISH CAPERS.
Claims use since August, 1939.

Ser. No. 443,237. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed May 3, 1941.

INVINCIBLE

Applicant owns Trade-Mark Registration No. 156,736.

FOR VEGETABLE FAT AND OIL FOR PUFF PASTRY SHORTENING.
Claims use since Apr. 16, 1941.

Ser. No. 443,478. CARGILL, INCORPORATED, Minneapolis, Minn. Filed May 12, 1941.

CARGILL

FOR LIVESTOCK AND POULTRY FEEDS.
Claims use since May 2, 1941.

Ser. No. 443,957. SOUTH IMPERIAL VALLEY GROWERS COOPERATIVE ASSOCIATION, INC., El Centro, Calif. Filed May 26, 1941.

ACTIVE

FOR FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, AND MELONS.
Claims use since Mar. 7, 1941.

Ser. No. 443,962. UDDO TAORMINA CORP., Brooklyn, N. Y. Filed May 26, 1941.

PINOLA

FOR COMBINATION OF PEANUT, COTTONSEED, CORN OILS, AND OLIVE OIL USED FOR COOKING AND TABLE USE.
Claims use since 1938.

Ser. No. 444,064. GEORGE G. AVERILL, doing business as Geo. G. Averill, San Pedro and Holtville, Calif. Filed May 31, 1941.



The drawing is lined for red. The picture of the girl is fanciful.

FOR FRESH VEGETABLES AND MELONS.
Claims use since January, 1936.

CLASS 47

WINES

Serial No. 441,857. IGNAZIO CARUSO, doing business as Caruso Products Company, Chicago, Ill. Filed Mar. 24, 1941.

Mars-Ovo

The word "Ovo" is disclaimed except as shown.

FOR WINES.
Claims use since Nov. 29, 1940.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 444,062. LYNDON D. WOOD, Chicago, Ill. Filed May 29, 1941.

HOPOSE
SUGAR OF HOPS

The words "Sugar of Hops" are disclaimed apart from the mark. The drawing is lined for yellow and green.

FOR CONCENTRATED HOPS EXTRACT WHICH IS NON-ALCOHOLIC IN ITSELF BUT WHICH IS USED FOR HOP FLAVORING OF ALCOHOLIC BEVERAGES SUCH AS BEER OR ALE.
Claims use since January, 1941.

Ser. No. 444,625. YAKIMA VALLEY BREWING COMPANY, Selah, Wash. Filed June 17, 1941.

Hi-WINGS

FOR BEER AND ALE.
Claims use since May 14, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 431,687. KAPLAN BROS., New York, N. Y. Filed May 8, 1940.

Sweet Bubbins

No claim is made to the word "Sweet" except as shown.

FOR ARTIFICIAL FLOWERS FOR DECORATING HOUSES, HOMES, SHOW WINDOWS, OR STORES.
Claims use since Apr. 22, 1940.

Ser. No. 433,187. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed June 19, 1940.

MICAPHANE

FOR RUBBER CRIB SHEETS.
Claims use since Sept. 14, 1938.

Ser. No. 443,350. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed May 7, 1941.

SYLPHGLOSS

FOR TEXTILE FABRICS IN THE PIECE HAVING A SMOOTH GLOSSY THERMOPLASTIC COATING THEREON.
Claims use since Feb. 15, 1941.

Ser. No. 443,624. ATLAS POWDER COMPANY, Wilmington, Del. Filed May 16, 1941.

KERATINE

FOR COATED FABRICS.
Claims use since Aug. 7, 1935.

Ser. No. 443,625. ATLAS POWDER COMPANY, Wilmington, Del. Filed May 16, 1941.

RAYETTE

FOR COATED FABRICS.
Claims use since Dec. 13, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 12, 1941

389,544. MATERIALS AND SUPPLIES FOR THE PRODUCTION AND REPRODUCTION OF PRINTS, DRAWINGS, AND THE LIKE—NAMELY, LIGHT SENSITIVE SHEETS ADAPTED FOR MAKING PRINTS, BLUEPRINTS, PHOTOPRINTS, POSITIVE PRINTS, AND THE LIKE. EUGENE DIETZGEN CO., Chicago, Ill.
Filed April 30, 1938. Serial No. 405,873. PUBLISHED JUNE 3, 1941. Class 26.

389,545. DECORATIVE, LAWN AND ROCK GARDEN, PUMP AND FOUNTAIN ASSEMBLIES, SOLD AS A UNIT, AND COMPRISING PUMP, TUBING AND CONNECTIONS AND TANKS. G. B. SPIEGEL CORP., Chicago, Ill.
Filed December 31, 1938. Serial No. 414,413. PUBLISHED JUNE 3, 1941. Class 23.

389,546. HAMS. GEORGIA BANNER HAMS ASSOCIATION, Montezuma, Ga.
Filed April 26, 1939. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 418,711. PUBLISHED JUNE 3, 1941. Class 46.

389,547. MACHINERY FOR PRODUCING CORRUGATED SHEETS. DANGERFIELD AND LLOYD, Neath, Wales.
Filed August 10, 1939. Serial No. 422,481. PUBLISHED JUNE 3, 1941. Class 23.

389,548. CANNED DOG FOOD. READY FOODS COMPANY, INC., also doing business as Hi-Life Packing Company, Chicago, Ill.
Filed November 4, 1939. Serial No. 425,255. PUBLISHED JANUARY 2, 1940. Class 46.

389,549. TERMINAL AND SWITCH BOX FOR ELECTRIC FLOODLIGHTS, ELECTRIC FLASH LIGHTING APPARATUS, ETC. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed December 30, 1939. Serial No. 427,013. PUBLISHED JUNE 3, 1941. Class 21.

389,550. RAYON GOODS IN THE PIECE. JACOB M. SPAR, New York, N. Y.
Filed March 22, 1940. Serial No. 429,872. PUBLISHED JUNE 3, 1941. Class 42.

389,551. CHEESE. TOLIBIA CHEESE CORPORATION, New York, N. Y.
Filed March 29, 1940. Serial No. 430,158. PUBLISHED JUNE 3, 1941. Class 46.

389,552. FRESH CITRUS FRUIT AND VEGETABLES. EMMETT B. EVERS, doing business as The Family Farmers Union of America, Lakeland, Fla.
Filed March 30, 1940. Serial No. 430,179. PUBLISHED MAY 27, 1941. Class 46.

389,553. LETTERHEADS, ENVELOPES, PAPER SEALS. INTERNATIONAL ASSOCIATION OF ALTRUSA CLUBS, INC., Chicago, Ill.
Filed May 31, 1940. Serial No. 432,538. PUBLISHED JUNE 3, 1941. Class 37.

389,554. VERTICAL AND OTHER MIXERS FOR DOUGH-LIKE AND OTHER MATERIALS WITH ACCESSORIES THEREFOR SUCH AS BOWL UNLOADER MECHANISM, ETC. AMERICAN MACHINE AND FOUNDRY COMPANY, New York and Brooklyn, N. Y.
Filed June 1, 1940. Serial No. 432,572. PUBLISHED JUNE 3, 1941. Class 23.

389,555. RADIO AND TELEVISION HARDWARE SUCH AS MACHINE SCREWS AND NUTS, RUBBER GROMMETS, ETC. AMERICAN RADIO HARDWARE CO. INC., New York, N. Y.
Filed June 26, 1940. Serial No. 433,371. PUBLISHED JUNE 3, 1941. Class 21.

389,556. ELECTRIC LIGHTING FIXTURES. CURTIS LIGHTING, INC., Chicago, Ill.
Filed July 12, 1940. Serial No. 433,889. PUBLISHED JUNE 3, 1941. Class 21.

389,557. BEER. LA CROSSE BREWERIES, INC., La Crosse, Wis.
Filed July 20, 1940. Serial No. 434,179. PUBLISHED JUNE 3, 1941. Class 48.

389,558. CHEESE. VILHO O. JARVINEN, New York, N. Y.
Filed July 25, 1940. Serial No. 434,327. PUBLISHED MAY 27, 1941. Class 46.

389,559. CARD INDEX FILING CABINETS. THE McBEE COMPANY, Athens, Ohio.
Filed July 27, 1940. Serial No. 434,413. PUBLISHED JUNE 3, 1941. Class 32.

389,560. PREPARED POPCORN AND SHOESTRING POTATOES. TASTY FOODS, Denver, Colo.
Filed August 6, 1940. Serial No. 434,732. PUBLISHED JANUARY 28, 1941. Class 46.

389,561. PICKLES PACKED IN CANS OR GLASSWARE. ORIGINAL CANNING COMPANY, INC., Maspeth, N. Y.
Filed August 22, 1940. Serial No. 435,254. PUBLISHED MAY 27, 1941. Class 46.

389,562. CARAMEL-COATED POPCORN. CONFECTIONS, INC., Chicago, Ill.
Filed September 9, 1940. Serial No. 435,786. PUBLISHED DECEMBER 3, 1940. Class 46.

389,563. CANDY. STEVE SANDOREN, Los Angeles, Calif.
Filed September 9, 1940. Serial No. 435,812. PUBLISHED JUNE 3, 1941. Class 46.

389,564. INSULATED CONTAINERS FOR FOOD PRODUCTS SUCH AS ROUTE CONTAINERS AND PORCH CABINETS FOR DAIRY PRODUCTS AND PORTABLE FOOD STORAGE CHESTS FOR SAILING AND CAMPING. THERMO-VAC CORPORATION, Boston, Mass.
Filed September 27, 1940. Serial No. 436,452. PUBLISHED JUNE 3, 1941. Class 2.

389,565. CANNED MACKEREL. WESTERN CANNERS INC., Newport Beach, Calif.
Filed October 5, 1940. Serial No. 436,682. PUBLISHED MAY 27, 1941. Class 46.

389,566. DRY AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio.
Filed October 22, 1940. Serial No. 437,178. PUBLISHED JUNE 3, 1941. Class 16.

389,567. CONTAINERS PROVIDED WITH A PLURALITY OF COMPARTMENTS FOR SMALL ARTICLES AND WITH COVERS CARRYING MEMORANDUM OR NOTE PADS. THE BATES MANUFACTURING COMPANY, West Orange, N. J.
Filed October 30, 1940. Serial No. 437,401. PUBLISHED JUNE 3, 1941. Class 37.

389,568. FROZEN VEGETABLES. ROCHESTER ICE & COLD STORAGE UTILITIES, INC., Rochester, N. Y.
Filed November 2, 1940. Serial No. 437,530. PUBLISHED JUNE 3, 1941. Class 46.

389,569. ELECTRIC LIGHTING UNITS FOR PUBLIC CONVEYANCES. SAM MOORE & COMPANY, Cleveland, Ohio.
Filed December 3, 1940. Serial No. 438,489. PUBLISHED JUNE 3, 1941. Class 21.

389,570. WATCHES AND WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT. BENRUS WATCH CO., INC., New York, N. Y.
Filed December 18, 1940. Serial No. 438,973. PUBLISHED JUNE 3, 1941. Class 27.

389,571. ELECTRIC HIGH SPEED FLASH LIGHTING EQUIPMENT, GAS-FILLED ELECTRIC DISCHARGE TUBES, AND ELECTRICAL CONTROL DEVICES FOR SYNCHRONIZING THE LIGHTING OF AN ELECTRIC FLASH LAMP AND OPERATION OF A CAMERA SHUTTER. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed December 23, 1940. Serial No. 439,098. PUBLISHED JUNE 3, 1941. Class 21.

389,572. VACUUM PUMPS AND AIR COMPRESSING PUMPS AND EQUIPMENT, AND STATIONARY EQUIPMENT FOR AUTOMATICALLY SPRAYING COWS WITH LIQUID INSECTICIDE. BABSON BROS. CO., Chicago, Ill.
Filed December 26, 1940. Serial No. 439,189. PUBLISHED JUNE 3, 1941. Class 23.

389,573. COFFEE. J. A. FOLGER & COMPANY, Kansas City, Mo.
Filed January 6, 1941. Serial No. 439,436. PUBLISHED JUNE 3, 1941. Class 46.

389,574. COILLESS BEVERAGE AND LIQUID DISPENSER COMPRISING A TANK, TUBING TAPS, ETC. RAYMOND A. HENNINGS, New Orleans, La.
Filed January 7, 1941. Serial No. 439,464. PUBLISHED JUNE 3, 1941. Class 23.

389,575. GAS-OPERATED WATER HEATERS AND GAS-OPERATED HEATING-STOVES. UNITED STATES STOVE COMPANY, South Pittsburg, Tenn.
Filed January 10, 1941. Serial No. 439,571. PUBLISHED JUNE 3, 1941. Class 34.

389,576. MATERIALS FOR REPAIRING TEETH—NAMELY, PLASTIC MATERIALS USED IN CONNECTION WITH, AND FOR, CROWNS, INLAYS, AND FACINGS, AND FOR REPAIRING AND MANUFACTURING ARTIFICIAL TEETH FOR BRIDGES AND DENTURES. RODIN LABORATORIES, Philadelphia, Pa.
Filed January 11, 1941. Serial No. 439,605. PUBLISHED JUNE 3, 1941. Class 44.

389,577. WAX USED IN THE FINISHING OF BOTTOMS, HEELS, AND EDGES OF BOOTS OR SHOES. B. B. CHEMICAL CO., Boston, Mass.
Filed January 13, 1941. Serial No. 439,615. PUBLISHED JUNE 3, 1941. Class 4.

389,578. HONEY. FINGER LAKES HONEY PRODUCERS CO-OPERATIVE, INCORPORATED, Groton, N. Y.
Filed January 23, 1941. Serial No. 439,894. PUBLISHED MAY 27, 1941. Class 46.

389,579. DENTAL RESTORATIONS. WASHINGTON DENTAL COMPANY, Washington, D. C.
Filed January 23, 1941. Serial No. 439,913. PUBLISHED JUNE 3, 1941. Class 44.

389,580. TURKEY POULTS, CHICKS, HATCHING EGGS, LIVE POULTRY, DRESSED POULTRY, MILK, BUTTER, EGGS, ETC. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind.
Filed January 24, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 439,945. PUBLISHED MAY 27, 1941. Class 46.

389,581. TOY AIRPLANES AND CONTROLS THEREFOR. AMERICAN JUNIOR AIRCRAFT COMPANY, Portland, Oreg.
Filed January 28, 1941. Serial No. 440,032. PUBLISHED JUNE 3, 1941. Class 22.

389,582. CHRONOGRAPHS. LILLIAN R. KLEPPER, doing business as Jardur Import Company, New York, N. Y.
Filed February 3, 1941. Serial No. 440,250. PUBLISHED JUNE 3, 1941. Class 26.

389,583. BREAD. GOTTFRIED BAKING COMPANY, INC., New York, N. Y.
Filed February 5, 1941. Seral No. 440,331. PUBLISHED MAY 27, 1941. Class 46.

389,584. CANDY. FRED W. AMEND CO., Danville, Ill.
Filed March 31, 1941. Serial No. 442,091. PUBLISHED JUNE 3, 1941. Class 46.

389,585. CANDY. FRED W. AMEND CO., Danville, Ill.
Filed March 31, 1941. Serial No. 442,092. PUBLISHED JUNE 3, 1941. Class 46.

389,586. TOILET SEATS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill.
Filed March 31, 1941. Serial No. 442,105. PUBLISHED JUNE 3, 1941. Class 13.

389,587. SOUP MIX. A. GOODMAN & SONS, INC., New York, N. Y.
Filed March 31, 1941. Serial No. 442,125. PUBLISHED JUNE 3, 1941. Class 46.

389,588. SOUP MIX. A. GOODMAN & SONS, INC., New York, N. Y.
Filed March 31, 1941. Serial No. 442,126. PUBLISHED JUNE 3, 1941. Class 46.

389,589. CHEWING GUM. GUM INCORPORATED, Philadelphia, Pa.
Filed April 1, 1941. Serial No. 442,170. PUBLISHED JUNE 3, 1941. Class 46.

389,590. TABLE SYRUP, PICKLES, PEANUT BUTTER, AND PICKLE RELISH. W. B. RODDENBERY COMPANY, Cairo, Ga.
Filed April 2, 1941. Serial No. 442,213. PUBLISHED JUNE 3, 1941. Class 46.

389,591. MULTI-PURPOSE UTILITY TABLES IN WHICH THE TOP IS ADJUSTABLE IN HEIGHT AND TILTABLE. T. BAUMRITTER CO. INC., New York, N. Y.
Filed April 5, 1941. Serial No. 442,298. PUBLISHED JUNE 3, 1941. Class 32.

389,592. BAKING ENAMEL—NAMELY, A PAINT ENAMEL. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J.
Filed April 5, 1941. Serial No. 442,338. PUBLISHED JUNE 3, 1941. Class 16.

389,593. COMPOSITION FOR CLEANING EYEGLASSES. JULIUS D. EDINGER, New York, N. Y.
Filed April 10, 1941. Serial No. 442,446. PUBLISHED JUNE 3, 1941. Class 4.

389,594. TOILET SOAP. PETER J. NEPPER, Rapid City, S. Dak.
Filed April 11, 1941. Serial No. 442,495. PUBLISHED JUNE 3, 1941. Class 4.

389,595. DRY CLEANING SOLVENTS. THE WARNER CHEMICAL COMPANY, New York, N. Y.
Filed April 11, 1941. Serial No. 442,505. PUBLISHED JUNE 3, 1941. Class 4.

389,596. FISHING LINES AND FISH LURES, LEADERS, AND FLIES. WRIGHT & MCGILL, Denver, Colo.
Filed April 14, 1941. Serial No. 442,583. PUBLISHED JUNE 3, 1941. Class 22.

389,597. LADIES' BILL FOLDS MADE OF LEATHER AND LEATHER-LIKE MATERIALS. ENGER-KRESS COMPANY, West Bend, Wis.
Filed April 17, 1941. Serial No. 442,655. PUBLISHED JUNE 3, 1941. Class 3.

389,598. POSTING TRAYS, DESKS, FILE CABINETS, PORTABLE TRAYS, ADJUSTABLE STANDS FOR TRAYS AND CABINETS AND DIVIDERS ADAPTED TO CONTAIN ONLY CARDS ARRANGED IN ECHELON. VISIBLE INDEX CORP., New York, N. Y.
Filed April 17, 1941. Serial No. 442,676. PUBLISHED JUNE 3, 1941. Class 32.

389,599. CLINICAL FEVER THERMOMETERS. GOLDSMITH BROS., New York, N. Y.
Filed April 18, 1941. Serial No. 442,704. PUBLISHED JUNE 3, 1941. Class 44.

389,600. FILING BOXES. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed April 22, 1941. Serial No. 442,838. PUBLISHED JUNE 3, 1941. Class 2.

389,601. PNEUMATIC RUBBER TIRES AND INNER TUBES CONSTRUCTED OF RUBBER AND/OR RUBBERIZED FABRIC. THE PEP BOYS—MANNY, MOE, & JACK, Philadelphia, Pa.
Filed April 22, 1941. Serial No. 442,851. PUBLISHED JUNE 3, 1941. Class 35.

389,602. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio.
Filed April 24, 1941. Serial No. 442,924. PUBLISHED JUNE 3, 1941. Class 22.

389,603. FILTERS. STAYNEW FILTER CORPORATION, Rochester, N. Y.
Filed April 25, 1941. Serial No. 442,982. PUBLISHED JUNE 3, 1941. Class 31.

389,604. SUGAR. GODCHAUX SUGARS, INC., New Orleans, La.
Filed February 6, 1941. Serial No. 440,372. PUBLISHED JUNE 3, 1941. Class 46.

389,605. ICE CREAM BAR COATING, SHERBET STABILIZER, FOOD FLAVORING EXTRACTS, BAKING POWDER, TOMATO JUICE, ETC. S. W. NOGGLE, doing business as The S. W. Noggle Company, Kansas City, Mo.
Filed February 13, 1941. Serial No. 440,634. PUBLISHED MAY 27, 1941. Class 46.

389,606. SUITCASES, HAND LUGGAGE CASES EQUIPPED WITH GARMENT CARRYING FIXTURES, HAT BOXES, AND OVERNIGHT CASES. HARTMANN TRUNK COMPANY, Racine, Wis.
Filed February 15, 1941. Serial No. 440,688. PUBLISHED JUNE 3, 1941. Class 3.

389,607. CAKES. CALLA MILLER, Tacoma, Wash.
Filed February 18, 1941. Serial No. 440,739. PUBLISHED MAY 27, 1941. Class 46.

389,608. COMBINATION OF EVAPORATED SKIMMED MILK AND VEGETABLE OIL FOR USE IN COOKING AND BAKING. CAROLENE PRODUCTS COMPANY, Litchfield, Ill.
Filed February 18, 1941. Serial No. 440,742. PUBLISHED JUNE 3, 1941. Class 46.

389,609. SASH LOCKS. AMERICAN CABINET HARDWARE CORPORATION, ROCKFORD, ILLINOIS, Rockford, Ill.
Filed February 21, 1941. Serial No. 440,845. PUBLISHED MAY 27, 1941. Class 25.

389,610. CIGARS, CIGARETTES, AND SMOKING TOBACCO. CALIXTO LOPEZ & CO., Jersey City, N. J.
Filed February 24, 1941. Serial No. 440,911. PUBLISHED JUNE 3, 1941. Class 17.

389,611. CIGARS. CALIXTO LOPEZ & CO., Jersey, City, N. J.
Filed February 24, 1941. Serial No. 440,913. PUBLISHED JUNE 3, 1941. Class 17.

389,612. CIGARETTES. CALIXTO LOPEZ & CO., Jersey City, N. J.
Filed February 24, 1941. Serial No. 440,914. PUBLISHED JUNE 3, 1941. Class 17.

389,613. CIGARS. CALIXTO LOPEZ & CO., Jersey City, N. J.
Filed February 24, 1941. Serial No. 440,915. PUBLISHED JUNE 3, 1941. Class 17.

389,614. DISPENSERS, PARTICULARLY FOR FINELY DIVIDED MATERIALS, SUCH AS POWDERED OR GRANULATED SOAP, SUGAR, AND LIKE MATERIALS. G. H. PACKWOOD MANUFACTURING CO., St. Louis, Mo.
Filed February 24, 1941. Serial No. 440,953. PUBLISHED JUNE 3, 1941. Class 2.

389,615. THIN GLASS SHEETS. AMERICAN WINDOW GLASS COMPANY, Pittsburgh, Pa.
Filed February 26, 1941. Serial No. 441,009. PUBLISHED JUNE 3, 1941. Class 33.

389,616. DINNER CONSISTING OF SPECIALLY PREPARED CHICKEN, FRENCH FRIED POTATOES, CELERY STICKS, TOMATO WEDGES, OLIVES, AND BUTTERED BREAD STICKS PACKAGED AND SOLD TO THE TRADE AS SUCH. BERTHA M. PROE, Northfield, Ohio.
Filed February 26, 1941. Serial No. 441,035. PUBLISHED JUNE 3, 1941. Class 46.

389,617. HAIR BRUSHES, MILITARY BRUSHES, CLOTHES BRUSHES, BATH BRUSHES, NAIL BRUSHES, HAND SCRUB BRUSHES, COMPLEXION BRUSHES, AND SHAMPOO BRUSHES. MOHAWK BRUSH COMPANY, Albany, N. Y.
Filed March 3, 1941. Serial No. 441,171. PUBLISHED JUNE 3, 1941. Class 29.

389,618. COFFEE. WESTFELDT BROTHERS, New Orleans, La.
Filed March 3, 1941. Serial No. 441,187. PUBLISHED JUNE 3, 1941. Class 46.

389,619. MINCE MEAT, SPICES, SPLIT PEAS, SPLIT PEA SOUP, BREAD, AND DRIED FRUITS, COFFEE, PIES, BAKED HAM. ANDERSEN'S, Buellton, Calif.
Filed March 4, 1941. Serial No. 441,189. PUBLISHED MAY 27, 1941. Class 46.

389,620. CANNED CAT FOOD. SOUTH COAST FISHERIES, INC., Terminal Island, Calif.
Filed March 4, 1941. Serial No. 441,217. PUBLISHED JUNE 3, 1941. Class 46.

389,621. WIRE, WIRE MESH, SHEET METAL, RODS, BARS, AND FORGINGS, SOLD AS SUCH, AND MADE FROM NON-TARNISHING FERROUS ALLOY. AUSTENAL LABORATORIES, INC., New York, N. Y
Filed March 5, 1941. Serial No. 441,223. PUBLISHED JUNE 3, 1941. Class 14.

389,622. ARTIFICIAL TEETH, DENTURES, AND DENTURE PARTS. AUSTENAL LABORATORIES, INC., New York, N. Y.
Filed March 5, 1941. Serial No. 441,225. PUBLISHED JUNE 3, 1941. Class 44.

389,623. POLISH FOR AUTOMOBILES, FURNITURE, PIANOS, RADIOS, ETC., AND FOR ALL PAINTED, LACQUERED, AND ENAMELED SURFACES. WALTER O. SELLS, doing business as Walter De-Mar Company, Des Moines, Iowa.
Filed March 5, 1941. Serial No. 441,258. PUBLISHED JUNE 3, 1941. Class 16.

389,624. FILLING PUTTY—NAMELY, A PUTTY FOR FILLING CRACKS, DENTS, AND THE LIKE. MIRACLE PUTTY LABORATORY, Chicago, Ill.
Filed March 10, 1941. Serial No. 441,406. PUBLISHED JUNE 3, 1941. Class 16.

389,625. PREPARED MALT. A. GUSMER INC., Hoboken, N. J.
Filed March 15, 1941. Serial No. 441,575. PUBLISHED JUNE 3, 1941. Class 48.

389,626. TACKS. FLEMING & SONS, INC., Dallas, Tex.
Filed March 17, 1941. Serial No. 441,607. PUBLISHED JUNE 3, 1941. Class 13.

389,627. RICE. PACIFIC TRADING COMPANY, INC., San Francisco, Calif.
Filed March 17, 1941. Serial No. 441,625. PUBLISHED JUNE 3, 1941. Class 46.

389,628. DRAWING TABLETS, FILLER PAPER, TABLETS, HARD COVER NOTE BOOKS, AIR MAIL TABLETS, ETC. JOSEPH REDEGELD & CO., INC., New York, N. Y.
Filed March 17, 1941. Serial No. 441,642. PUBLISHED JUNE 3, 1941. Class 37.

389,629. LOOSE-LEAF FILLERS, COMPOSITION BOOKS, AND PENCIL TABLETS. SOUTHERN CENTRAL COMPANY, Memphis, Tenn.
Filed March 17, 1941. Serial No. 441,646. PUBLISHED JUNE 3, 1941. Class 37.

389,630. URNS FOR HEATING AND STORING COFFEE, CHOCOLATE, HOT WATER, AND OTHER HOT LIQUIDS HEATED BY GAS, STEAM, ELECTRICITY, COAL, OR OTHER FUEL. S. BLICKMAN, INC., Weehawken, N. J.
Filed March 18, 1941. Serial No. 441,663. PUBLISHED JUNE 3, 1941. Class 13.

389,631. DRESSED POULTRY. J. W. LENTZ, Kansas City, Mo.
Filed March 19, 1941. Serial No. 441,706. PUBLISHED MAY 27, 1941. Class 46.

389,632. LIEBFRAUMILCH WINE. B. M. & J. STRAUSS, LIMITED, London, England.
Filed March 21, 1941. Serial No. 441,792. PUBLISHED JUNE 3, 1941. Class 47.

389,633. DETERGENT MATERIALS FOR PLUMBING AND PLUMBING FIXTURES. FULD BROS., Baltimore, Md.
Filed March 22, 1941. Serial No. 441,817. PUBLISHED JUNE 3, 1941. Class 4.

389,634. FOAMBUILDING AND FOAMSTABILIZING COMPOUND FOR BEERS AND ALES. PAUL REINEMANN, INC., New York, N. Y.
Filed March 24, 1941. Serial No. 441,877. PUBLISHED JUNE 3, 1941. Class 48.

389,635. DENTAL ALUMINUM COMPOUND. JOHN IGNATZ LEWIN, doing business as The Dento-Pharma Mfg. Co., New York, N. Y.
Filed March 25, 1941. Serial No. 441,916. PUBLISHED JUNE 3, 1941. Class 44.

389,636. FILLERS FOR SEA-FOOD SANDWICHES. THE NOMIS CORPORATION, Lafayette, Ind., and Jacksonville, Fla.
Filed March 25, 1941. Serial No. 441,920. PUBLISHED MAY 27, 1941. Class 46.

389,637. OPHTHALMIC MOUNTINGS. BAY STATE OPTICAL COMPANY, Attleboro, Mass.
Filed March 27, 1941. Serial No. 441,993. PUBLISHED JUNE 3, 1941. Class 26.

389,638. CLEANER AND FILM REMOVER IN CONCENTRATED FORM FOR CLEANING GLASS SUCH AS WINDSHIELDS AND THE LIKE. BAY WEST PAPER COMPANY, Green Bay, Wis.
Filed March 27, 1941. Serial No. 441,996. PUBLISHED JUNE 3, 1941. Class 4.

389,639. TEA. JOSEPH TETLEY & CO., INC., New York, N. Y.
Filed March 27, 1941. Serial No. 442,015. PUBLISHED JUNE 3, 1941. Class 46.

389,640. PAINT, VARNISH, ENAMEL, OR LACQUER REMOVER. WILSON-IMPERIAL COMPANY, Newark, N. J.
Filed March 27, 1941. Serial No. 442,019. PUBLISHED JUNE 3, 1941. Class 16.

389,641. BED SHEETS, PILLOW CASES, KITCHEN AND BATHROOM TOWELS, TABLECLOTHS AND NAPKINS, ETC. WOLF & DESSAUER CO., Fort Wayne, Ind.
Filed March 27, 1941. Serial No. 442,020. PUBLISHED JUNE 3, 1941. Class 42.

389,642. LUBRICATION EQUIPMENT INCLUDING PARTICULARLY LUBRICATOR WALL BATTERIES, PORTABLE AND STATIONARY BARREL PUMPS, OIL DRAINS, GREASE AND LUBRICANT HOSE ROLLS. THE CINCINNATI BALL CRANK CO., Cincinnati, Ohio.
Filed March 29, 1941. Serial No. 442,060. PUBLISHED JUNE 3, 1941. Class 23.

389,643. REEDS FOR MUSICAL INSTRUMENTS AND HARMONICAS. TAYLOR-FREEMAN-STANLEY INCORPORATED, New York, N. Y.
Filed March 29, 1941. Serial No. 442,079. PUBLISHED JUNE 3, 1941. Class 36.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

389,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAWRY'S PRODUCTS INC., Los Angeles, Calif. Filed Aug. 28, 1939. Serial No. 423,062.

Lawry's
ORIGINAL
Seasoned
SALT

FOR SEASONING COMPOSED OF A MULTIPLICITY OF SPICES, HERBS, SEASONINGS AND SALT.
Claims use since Aug. 8, 1939.

389,645. (CLASS 12. CONSTRUCTION MATERIALS.) EXPANSIBLE STEEL TRUSS CORP., Milwaukee, Wis. Filed Oct. 21, 1939. Serial No. 424,768.

FORM FIT TRUSS

Expansible Steel Truss Corp.

FOR TRUSSES AND JOISTS.
Claims use since Aug. 1, 1939.

389,646. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE E. DORMANN, El Centro, Calif. Filed Mar. 5, 1940. Serial No. 429,221.

LESS WASTE · MORE TASTE
Dormann Tape Pack

FOR FRESH VEGETABLES—NAMELY, FRESH CARROTS.
Claims use since Feb. 23, 1940.

389,647. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOWMAN DAIRY COMPANY, Chicago, Ill. Filed Apr. 13, 1940. Serial No. 430,720.

RY-SOUR

FOR CULTURED AND FERMENTED MILK INGREDIENTS IN COMBINATION WITH CEREAL FLOUR AND SPICES, THE COMPOUND TO BE USED IN THE MAKING OF RYE BREAD.
Claims use since Mar. 15, 1940.

389,648. (CLASS 39. CLOTHING.) NEW PROCESS COMPANY, Warren, Pa. Filed May 31, 1940. Serial No. 432,544.

LONGWEAR

FOR NYLON HOSIERY.
Claims use since May 16, 1940.

389,649. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed June 4, 1940. Serial No. 432,651.

FLA-VOR-MOR

FOR WHEAT FLOUR.
Claims use since Apr. 25, 1940.

389,650. (CLASS 12. CONSTRUCTION MATERIALS.) WILLIAM O. CHAPMAN, Washington, D. C. Filed June 7, 1940. Serial No. 432,757.

MAN MADE GRANITE

FOR BUILDING MATERIAL—NAMELY, ARTIFICIAL BUILDING STONE READY FOR USE.
Claims use since June 6, 1940.

389,651. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CALIFORNIA CONSUMERS CORPORATION, Los Angeles, Calif. Filed June 10, 1940. Serial No. 432,845.

TRU FROZ-N

FOR CANNED CITRUS JUICES FOR BEVERAGE PURPOSES.
Claims use since May 31, 1940.

389,652. (CLASS 39. CLOTHING.) JACK GOLDSON, INC., Los Angeles, Calif. Filed June 24, 1940. Serial No. 433,325.

Ramona of CALIFORNIA

FOR JACKETS, SKIRTS, SLACKS, SLACK SUITS, BLOUSES, LOUNGING ROBES, BATH ROBES, BEACH ROBES, DRESSING GOWNS; PLAY APPAREL—NAMELY, SUN SUITS; BEACH WEAR—NAMELY, SUN SUITS, PLAY SUITS, SLACK SUITS, BEACH SHORTS, BEACH COATS, BEACH JACKETS, SWIMMING SUITS, AND SKI SUITS, FOR WOMEN AND CHILDREN.
Claims use since July, 1938.

389,653. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. W. FEY, Hazelton, Pa. Filed July 1, 1940. Serial No. 433,560.

HAF - HOT

FOR PICKLES.
Claims use since June 18, 1940.

389,654. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PILOT RADIO CORPORATION, Long Island City, N. Y. Filed July 10, 1940. Serial No. 433,831.

DAYLITE - DISTANCE

FOR RADIO RECEIVERS.
Claims use since Feb. 1, 1940.

389,655. (CLASS 39. CLOTHING.) CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Sept. 23, 1940. Serial No. 436,249.

Gentlewoman

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since June 11, 1940.

389,656. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) ROYAL BEAD NOVELTY CO., INC., New York, N. Y. Filed Nov. 28, 1940. Serial No. 438,315.

Le Beau

FOR NECKLACES AND BRACELETS OF SIMULATED PEARLS.
Claims use since May 1, 1940.

389,657. (CLASS 39. CLOTHING.) INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Nov. 29, 1940. Serial No. 438,339.

SPUN-SOFT

FOR HOSIERY.
Claims use since Apr. 17, 1940.

389,658. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) A. F. GALLUN & SONS CORPORATION, Milwaukee, Wis. Filed Jan. 29, 1941. Serial No. 440,089.

NORMANDIE

FOR LEATHER.
Claims use since June 21, 1940.

389,659. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FULLER BROS. LTD., New York, N. Y. Filed Mar. 27, 1941. Serial No. 442,007.

FULLER'S

FOR SCREW DRIVERS, CHISELS, SAWS, AWLS, AND TABLE CUTLERY, ALL MADE OF BASE METALS.
Claims use since May 1, 1937.

389,660. (CLASS 39. CLOTHING.) SAMUEL WEICHSELBAUM, Springfield, Ill. Filed Apr. 16, 1941. Serial No. 442,646.

BABS PARKER

FOR WOMEN'S COATS, SUITS, DRESSES, SKIRTS, SHIRTWAISTS, BLOUSES, SWEATERS, AND SLACKS.
Claims use since Oct. 1, 1938.

389,661. (CLASS 39. CLOTHING.) DANIEL KNITTING MILL, New York, N. Y. Filed May 6, 1941. Serial No. 443,285.

Potomac

FOR MEN'S, WOMEN'S, BOYS', GIRLS', AND INFANTS' SWEATERS, KNITTED BLOUSES, AND JACKETS.
Claims use since Feb. 24, 1940.

389,662. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMMANDER-LARABEE MILLING COMPANY, doing business as Excelsior Flour Mills, Minneapolis, Minn. Filed May 9, 1941. Serial No. 443,404.

ANTILLA

FOR WHEAT FLOUR.
Claims use since Jan. 1, 1923.

389,663. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn. Filed May 13, 1941. Serial No. 443,529.

Chester

FOR CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE.
Claims use since January, 1935.

389,664. (CLASS 39. CLOTHING.) INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed May 14, 1941. Serial No. 443,568.

SHRINK-RESIST

FOR HOSIERY.
Claims use since May 1, 1939.

389,665. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) HOBÉ CIE, New York, N. Y. Filed May 21, 1941. Serial No. 443,762.

Hobé

FOR BRACELETS, BROOCH PINS, LAPEL PINS, EARRINGS, NECKLACES, AND FINGER RINGS.
Claims use since January, 1926.

389,666. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLIE WALTER LEDBETTER, Gladewater, Tex. Filed May 28, 1941. Serial No. 444,004.

Ledbetter Chemical Compound

FOR A CHEMICAL COMPOSITION FOR USE AS AN ALL PURPOSE CLEANER.
Claims use since Dec. 1, 1939.

389,667. (CLASS 39. CLOTHING.) THE MILLER-WOHL COMPANY, INC., New York, N. Y. Filed May 22, 1941. Serial No. 444,007.

Jean Nicol

FOR WOMEN'S AND MISSES' WEARING APPAREL—NAMELY, CLOTH COATS, SUITS, JACKETS, KNICKERS, DRESSES, FROCKS, BLOUSES, SCARFS, WAISTS FOR OUTER AND UNDER WEAR, COLLAR AND CUFF SETS, NECKTIES, SWEATERS, SMOCKS; LINGERIE, AS PETTICOATS, SLIPS, STEP-INS, PANTIES, BLOOMERS, SHIRTS, VESTS, BRASSIÈRES, CHEMISES, GIRDLES, CORSETS, APRONS; WATERPROOF COATS AND CAPES, BATHING SUITS, BATHING CAPS; MILLINERY, AS HATS AND CAPS; RIDING HABITS, FUR COATS AND CAPES, AND FUR NECK PIECES; AND HOSIERY.
Claims use since Feb. 20, 1940.

389,668. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE TWITCHELL-CHAMPLIN COMPANY, Portland, Maine. Filed June 12, 1941. Serial No. 444,478.

WOLCOTT

FOR CANNED FRUITS, VEGETABLES, FISH AND SHELL FISH, INCLUDING CANNED BAKED BEANS, STRINGLESS BEANS, WAX BEANS, LIMA BEANS, HORTICULTURAL BEANS, CORN, ASPARAGUS, PEAS, TOMATOES, PEARS, PEACHES, PINEAPPLE, APRICOTS, FRUITS FOR SALAD, COCKTAIL FRUITS, SALMON, TUNA FISH, AND SHRIMP.
Claims use since March, 1909.

TRADE-MARK REGISTRATIONS RENEWED

19,721. **LILAC SWEETS.** PERFUMERY AND SOAP. Registered June 16, 1891. SOLON PALMER. Re-renewed June 16, 1941, to Solon Palmer, New York, N. Y., a corporation of New York, assignee.

19,763. **REPRESENTATION OF A LION, BELL AND WEAVER'S BEAM.** COTTON, LINEN, HEMP AND SILK PIECE GOODS, WOOLEN CLOTHS AND WORSTED STUFFS. Registered June 23, 1891. JOHN MADDOCKS, Bradford, England. Re-renewed June 23, 1941, to Salts (Saltaire) Limited, Saltaire, England, an organized company of Great Britain, assignee by mesne assignments.

19,764. **BELWARP.** COTTON, LINEN, HEMP AND SILK PIECE GOODS, WOOLEN CLOTHS, AND WORSTED STUFFS. Registered June 23, 1891. JOHN MADDOCKS, Bradford, England. Re-renewed June 23, 1941, to Salts (Saltaire) Limited, Saltaire, England, an organized company of Great Britain, assignee by mesne assignments.

19,979. **GRIPE WATER.** REMEDIES FOR DISEASES OF THE STOMACH AND BOWELS INCLUDING TEETHING TROUBLES. Registered August 4, 1891. WILLIAM WOODWARD, Nottingham, England. Re-renewed August 4, 1941, to W. Woodward Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee.

143,428. **PERLA.** WATCHES, CLOCKS, CHRONOMETERS, WATCH CASES AND MOVEMENTS. Registered May 31, 1921. PERLA WATCH CO. STRAUB & CO., Bienne, Switzerland. Renewed May 31, 1941, to Straub & Co., Aktiengesellschaft, Alpina Uhrenfabrik, Biel, Switzerland, a corporation of Switzerland, assignee.

143,944. **PONFEIGH.** COAL. Registered June 21, 1921. ENTERPRISE COAL COMPANY, Garrett, Pa., a firm. Renewed June 21, 1941.

144,000. **BLUE BIRD.** TICKING. Registered June 21, 1921. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 21, 1941.

144,004. **HOMESTEAD.** SHEETS AND PILLOW-CASES. Registered June 21, 1921. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 21, 1941.

144,199. **LIBERTY.** KNITTING-NEEDLES FOR HAND USE. Registered June 28, 1921. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed June 28, 1941.

144,291. **VERONICA.** MINERAL WATERS. Registered June 28, 1921. VERONICA MEDICINAL SPRINGS WATER CO., Santa Barbara, Calif. Renewed June 28, 1941, to Veronica Medicinal Springs Water Company, San Francisco, Calif., a firm, successor.

144,343. **BEAR CREEK.** FRESH DECIDUOUS FRUITS. Registered July 5, 1921. BEAR CREEK ORCHARDS, Medford, Oreg., a firm. Renewed July 5, 1941.

144,494. **VICTOR.** FRICTION-TAPE. Registered July 5, 1921. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Renewed July 5, 1941, to Graybar Electric Company, Inc., New York, N. Y., a corporation of New York, assignee.

144,649. **STICKA-TAPE.** FRICTION-TAPE. Registered July 12, 1921. WESTERN ELECTRIC COMPANY, INCORPORATED. Renewed July 12, 1941, to Graybar Electric Company, Inc., New York, N. Y., a corporation of New York, assignee.

145,426. **NORTON.** SAFETY-TREAD TILES AND TERRAZZO OF BONDED ABRASIVE GRAINS. Registered August 2, 1921. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed August 2, 1941.

145,427. **ALUNDUM.** SAFETY-TREAD TILES AND TERRAZZO OF BONDED ABRASIVE GRAINS. Registered August 2, 1921. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed August 2, 1941.

145,581. **PORTEX.** TYPEWRITERS. Registered August 9, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed August 9, 1941.

145,588. **MAISONETTE.** APRONS AND HOUSE DRESSES. Registered August 9, 1921. THE WARD-STILSON COMPANY. Renewed August 9, 1941, to The Ward-Stilson Company, Anderson, Ind., a corporation of Indiana, successor.

145,600. **ROMANCE.** TALCUM-POWDER. Registered August 16, 1921. A. P. BABCOCK COMPANY, New York, N. Y. Renewed August 16, 1941, to A. P. Babcock Company, Rutherford, N. J., a corporation of New York.

146,158. **PREESOL.** METAL-TREATING FLUID FOR PREPARING WORK FOR SOLDERING. Registered September 6, 1921. AMERICAN CHEMICAL PAINT COMPANY, Philadelphia, Pa. Renewed September 6, 1941, to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware.

146,876. **REPRESENTATION OF AN INDIAN HEAD.** SATIN AND SATIN DE CHINE IN THE PIECE. Registered September 20, 1921. WILLIAM SKINNER & SONS, New York, N. Y., and Holyoke, Mass., a common-law trust of Massachusetts. Renewed September 20, 1941.

146,910. **SPRING BEARING TRUCKS.** PLATFORM-TRUCKS. Registered September 20, 1921. WEST BEND EQUIPMENT CO. Renewed September 20, 1941, to West Bend Equipment Corporation, West Bend, Wis., a corporation of Wisconsin, successor.

147,962. **CIMCO.** WHEAT-FLOUR AND PARTICULARLY SELF-RISING WHEAT-FLOUR. Registered November 8, 1921. CITY MILLS COMPANY, Columbus, Ga., a corporation of Georgia. Renewed November 8, 1941.

148,188. **CRYSTOLON.** ABRASIVE PRODUCTS—NAMELY, POWDERS, GRAINS, PASTES, STONES, HONES, OILSTONES, VALVE-GRINDING COMPOUNDS, AND GRINDING, CUTTING, POLISHING, AND ABRADING WHEELS. Registered November 8, 1921. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed November 8, 1941.

148,433. **JUST RIGHT.** WHEAT-FLOUR. Registered November 15, 1921. SAMUEL W. HERSHEY. Renewed November 15, 1941, to D. M. Hershey, York, Pa., successor.

148,532. **SEA LION.** CANNED SARDINES. Registered November 15, 1921. SEACOAST CANNING CO., Eastport, Maine. Renewed November 15, 1941, to Seaboard Packing Company, Lubec, Maine, a corporation of Maine, successor.

149,010. **WINTER KING.** BLANKETS MADE OF WOOL AND COTTON OR COMBINATION OF WOOL AND COTTON. Registered December 6, 1921. CHATHAM MANUFACTURING COMPANY, Winston-Salem, N. C. Renewed December 6, 1941, to Chatham Manufacturing Company, Elkin, N. C., a corporation of North Carolina.

149,011. **VACATION.** BLANKETS MADE OF WOOL AND COTTON OR COMBINATION OF WOOL AND COTTON. Registered December 6, 1921. CHATHAM MANUFACTURING COMPANY, Winston-Salem, N. C. Renewed December 6, 1941, to Chatham Manufacturing Company, Elkin, N. C., a corporation of North Carolina.

149,012. **CARAVAN.** BLANKETS MADE OF WOOL AND COTTON OR COMBINATION OF WOOL AND COTTON. Registered December 6, 1921. CHATHAM MANUFACTURING COMPANY, Winston-Salem, N. C. Renewed December 6, 1941, to Chatham Manufacturing Company, Elkin, N. C., a corporation of North Carolina.

149,117. **I-R.** CERTAIN MACHINERY AND TOOLS. Registered December 6, 1921. INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Renewed December 6, 1941, to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey.

149,253. **OCNUS.** LUBRICATING-OILS. Registered December 6, 1921. SUN COMPANY. Renewed December 6, 1941, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey, by change of name.

149,343. **ECONOMY.** PARCEL-POST MAILING-ENVELOPS. Registered December 13, 1921. BEMIS BRO. BAG CO., St. Louis, Mo., a corporation of Missouri. Renewed December 13, 1941.

149,378. **HEATROLA.** COAL AND WOOD STOVES. Registered December 13, 1921. THE ESTATE STOVE COMPANY, Hamilton, Ohio, a corporation of Ohio. Renewed December 13, 1941.

149,394. **GARDENIA.** WHEAT-FLOUR. Registered December 13, 1921. GREAT WEST MILL & ELEVATOR CO., Amarillo, Tex. Renewed December 13, 1941, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

149,395. **QUALITY CROSS.** WHEAT-FLOUR. Registered December 13, 1921. GREAT WEST MILL & ELEVATOR CO., Amarillo, Tex. Renewed December 13, 1941, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

149,412. **INSELITE.** NON-BREAKABLE LAMP-LENSES. Registered December 13, 1921. THE INSEL COMPANY, Newark, N. J. Renewed December 13, 1941, to The Insel Company, Arlington, N. J., a corporation of New Jersey.

149,498. **BULL'S HEAD.** LEATHER PACKINGS. Registered December 13, 1921. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed December 13, 1941.

149,633. **EVER-READY.** SOAP. Registered December 20, 1921. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y., a corporation of Virginia. Renewed December 20, 1941.

149,642. **LITHOFSET.** PRINTING-PAPER. Registered December 20, 1921. THE BLUNDEN-LYON COMPANY, Chicago, Ill., a corporation of Illinois. Renewed December 20, 1941.

149,647. **COTE BRILLIANTE.** WRITING-INKS, TYPEWRITER-RIBBONS, AND INKING-PADS. Registered December 20, 1921. BUXTON & SKINNER PRINTING AND STATIONERY COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed December 20, 1941.

149,649. **CHENEY.** HAMMERS AND WRENCHES. Registered December 20, 1921. HENRY CHENEY HAMMER CORPORATION, Little Falls, N. Y., a corporation of New York. Renewed December 20, 1941.

149,651. **OUR RUMBLER.** SELF-RISING WHEAT-FLOUR. Registered December 20, 1921. CITY MILLS COMPANY, Columbus, Ga., a corporation of Georgia. Renewed December 20, 1941.

149,677. **LODESTONE.** COVER-PAPER. Registered December 20, 1921. HAMPDEN GLAZED PAPER AND CARD COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed December 20, 1941.

149,680. **SILVER LAKE.** CANNED VEGETABLES. Registered December 20, 1921. INDERRIEDEN CANNING CO. Renewed December 20, 1941, to The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois, assignee.

149,708. **SALTINA.** BISCUIT AND CRACKERS. Registered December 20, 1921. NATIONAL BISCUIT COMPANY, New York, N. Y., a corporation of New Jersey. Renewed December 20, 1941.

149,712. **CORTICELLI.** PIECE GOODS OF SILK, COTTON AND SILK, AND SILK AND WOOL. Registered December 20, 1921. NONOTUCK SILK COMPANY, Northampton, Mass. Renewed December 20, 1941, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut, assignee by mesne assignments.

150,016. **AIR SHIP.** BACON. Registered December 27, 1921. JOHN MORRELL & COMPANY. Renewed December 27, 1941, to John Morrell & Co., Ottumwa, Iowa, a corporation of Maine.

150,034. **OHIO.** METAL CASTINGS. Registered December 27, 1921. THE OHIO STEEL FOUNDRY COMPANY, Lima, Ohio, a corporation of Ohio. Renewed December 27, 1941.

150,044. **WHITE ROCK.** PAINT ENAMELS. Registered December 27, 1921. PATEK BROTHERS. Renewed December 27, 1941, to Patek Brothers, Inc., Milwaukee, Wis., a corporation of Wisconsin, assignee.

150,055. **REPOSE ARCH.** MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS. Registered December 27, 1921. THOMAS G. PLANT COMPANY, Boston, Mass. Renewed December 27, 1941, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee by mesne assignments.

150,161. **W ALPACCA 33.** CERTAIN NAMED GERMAN-SILVER FLAT-WARE. Registered December 27, 1921. THE R. WALLACE & SONS MFG. CO., Wallingford, Conn., a corporation of Connecticut. Renewed December 27, 1941.

REISSUES

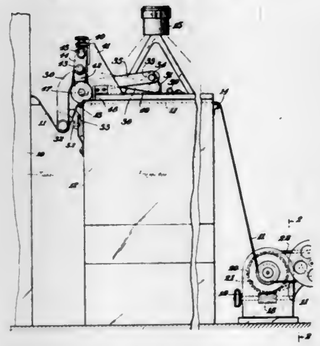
AUGUST 12, 1941

21,872
TAPE REGULATING DEVICE FOR STOCK QUOTATION PROJECTORS

August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York

Original No. 1,822,769, dated September 8, 1931, Serial No. 357,448, April 23, 1929. Application for reissue September 26, 1934, Serial No. 745,600

18 Claims. (Cl. 88—24)



16. In combination, a tape printing apparatus adapted to eject tape therefrom, a support, means for feeding tape across said support, gripping means intermediate said printing apparatus and tape feeding means, said gripping means being movable away from the tape to permit free movement thereof over said support and being movable against the tape to stop the motion thereof across the support, when there is a predetermined minimum length of tape between said printing apparatus and support, and means for maintaining said gripping means in engagement with the tape until a length of tape, corresponding to a predetermined plural number of characters, has been ejected by said printing apparatus.

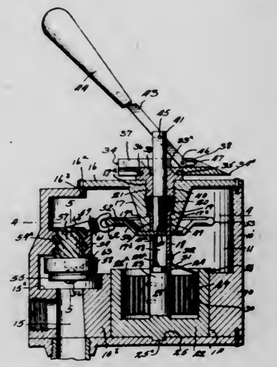
21,873
THERMOSTATICALLY CONTROLLED FAUCET UNIT

Le Roy N. Hermann, Chicago, Ill.

Original No. 2,132,689, dated October 11, 1938, Serial No. 727,791, May 26, 1934. Application for reissue October 3, 1940, Serial No. 359,588

9 Claims. (Cl. 236—12)

5. A faucet, including a casing having a hot water inlet and a cold water inlet, a mixing chamber in said casing, a rotatable proportioning valve disposed within the casing and controlling the relative amount of hot and cold water admitted to the mixing chamber, a thermostatic coil in said mixing chamber and connected at one end with said valve, a valve-seat outlet for the mixing chamber radially outwardly of said valve, a valve for said outlet, manually operable means having rotative and axial movement and operatively connected to the thermostatic coil to thereby control the proportioning valve as the manually operative means is rotated, and means operatively connecting the outlet valve to the manually operable means to shift the outlet valve toward or from its seat upon an axial movement



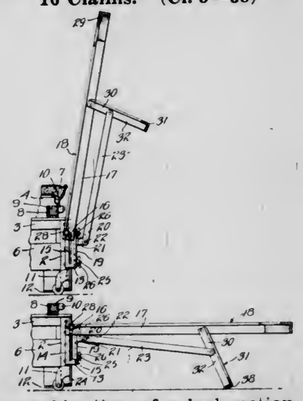
of the manually operable means without operating the proportioning valve.

21,874
COUCH BED

Joseph Martin, Laurelton, N. Y., assignor to United States Cabinet Bed Co., Brooklyn, N. Y., a corporation of New York

Original No. 2,210,421, dated August 6, 1940, Serial No. 249,573, January 6, 1939. Application for reissue September 12, 1940, Serial No. 356,510

16 Claims. (Cl. 5—38)



1. The combination of a bed section, a frame having vertically extending slots, abutments on opposite sides of the upper ends of said slots, the abutments on one side of said slots being at a lower level than the abutments on the opposite side and forming a support for the adjacent end of said bed section in horizontal position, pivot pins on one end of said bed section slidably mounted in said slots with the bed section extending upwardly between said opposing abutments in erect position and maintained in erect

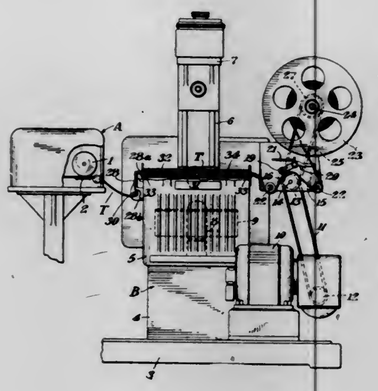
position by said opposing abutments when the pins are near the lower ends of said slots, a supporting bracket pivotally connected at its extremities to other portions of said bed section, and connecting links pivotally connecting said bracket to the abutments at the lower level on one side of said slots whereby the connection of said connecting links to such latter abutments will be fixed to enable said links to serve as a movable fulcrum with said bracket as a lever and said bed section as the weight when initially rocking said bracket to raise said pivot pins to the upper ends of said slots and then rocking said bed section rearwardly finally to enable said bed section to rest on said latter abutments and said supporting bracket, and whereby to enable said bed section during its actuation out of horizontal position to lower said pivot pins and deposit said bed section between said abutments.

21,875
PROJECTION APPARATUS

David F. Newman, Mountain Lakes, N. J., assignor to Trans-Lux Corporation, a corporation of Delaware

Original No. 2,102,161, dated December 14, 1937, Serial No. 628,529, August 12, 1932. Application for reissue December 11, 1939, Serial No. 308,655

5 Claims. (Cl. 88—24)



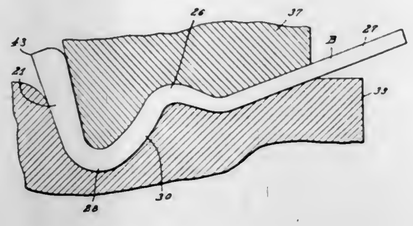
1. A structure forming a projection field through which a character-bearing tape is drawn after ejection from a printing mechanism, said structure comprising members spaced apart to form a path therebetween for the passage of said tape, and a rib immovably fixed to and projecting from one of said members toward the other member, said rib extending longitudinally of said one member and being disposed substantially at the center thereof so as to be adapted to engage the tape substantially at its longitudinal center and hold the tape toward said other member, said structure being transparent to light throughout substantially the entire length thereof.

21,876
HINGE AND METHOD OF MAKING MEMBERS THEREFOR

William J. Tierney, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, a copartnership composed of Seth B. Atwood and James T. Atwood, Rockford, Ill.

Original No. 2,235,241, dated March 18, 1941, Serial No. 317,283, February 5, 1940. Application for reissue March 29, 1941, Serial No. 385,794

14 Claims. (Cl. 29—11)



9. The method of making hinge members which consists in subjecting a bar of rectangular cross-section to a combination rolling and forming operation between rollers, whereby to form from a single bar a plurality of connected blank portions, each of increased width and decreased thickness at one end and intermediate thicknesses and widths intermediate the ends and substantially the original width and thickness of the bar at the other end, then cutting the blanks from the bar, then subjecting at least the last named end portion to pressure between dies to size to width and true up the edges of this portion of the blank, and finally drilling a pintle hole crosswise of the extremity of the last named end portion.

PLANT PATENTS

GRANTED AUGUST 12, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

481
CAMELLIA PLANT

Kosaku Sawada, Crichton, Ala., assignor to Overlook Nurseries, Crichton, Ala., a partnership composed of said Sawada and S. Imura

Application March 17, 1941, Serial No. 383,758

1 Claim. (Cl. 47—60)

A new and distinct variety of camellia plant, substantially as shown and described, characterized particularly by its vigorous upright, compact, fast growth; long stems; fine foliage; resistance to disease and weather conditions; fine quality for outdoor blooming; ease of propagation; superior keeping qualities; the delicate pink color and finer texture of the flowers; and its superiority over other varieties of camellias for cut flower purposes.

482
ROSE PLANT

Jean Gaujard, Feyzin, France, assignor to Jackson & Perkins Company, Newark, N. Y.

Application April 2, 1941, Serial No. 386,523

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by the distinctive unfading yellow color and irregular form of its flowers, having thick, satiny petals, its shiny green foliage persisting throughout the summer season, and the Garnet Brown of its new wood, substantially as shown and described.

483
ROSE PLANT

Walter Irwin Johnston, Portadown, Northern Ireland, assignor to Jackson & Perkins Company, Newark, N. Y.

Application March 26, 1941, Serial No. 385,373

1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, characterized as to novelty by its tall, narrow, upright habit of growth, the color of the veins in contrast with the background of the under side of the leaves, the protruding ovaries and peculiar formation of one of the sepals, in combination with the color and size of the flowers in their different stages of development, substantially as shown and described.

484
ROSE PLANT

Wilhelm Kordes, Sparrieshoop in Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y.

Application March 28, 1941, Serial No. 385,762

1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid polyantha rose plant, characterized as to novelty by its habit of continuous blooming throughout the summer season, the firm and disease resistant foliage, the unusual color of its flowers and the double petalage thereof, together with the very rare wild rose fragrance of the blooms, substantially as shown and described.

485
ROSE PLANT

Roy L. Byrum, Richmond, Ind., assignor to Jos. H. Hill Company, Richmond, Ind.

Application April 9, 1941, Serial No. 387,755

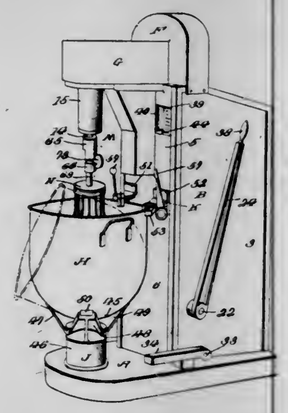
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, characterized as to novelty by its distinctive dark and leathery foliage, the predominating rose red color up to the fully opened stage then changing to rose color in the vivid combination coloring of its flowers, the large size of flower and number of petals thereof, substantially as shown and described.

PATENTS

GRANTED AUGUST 12, 1941

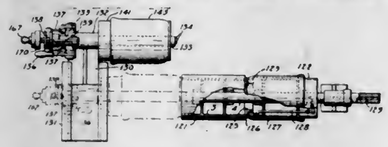
2,251,903
MIXING MACHINE
Mortimer R. Anstice, Rochester, and James D. Clague, Livonia, N. Y., assignors to Josiah Anstice & Company, Inc., Rochester, N. Y., a corporation of New York
Application August 12, 1939, Serial No. 289,854
7 Claims. (Cl. 259—108)



1. In a food handling machine, an upwardly extending support having a motor mounted thereon provided with a downwardly extending and vertically disposed drive shaft, a food receiving bowl having a rounded bottom, a base provided with upwardly and outwardly extending spaced arms adapted to frictionally engage the under outer side of said bowl and support the same, a pair of spaced members on said motor support adapted to engage the outer side of said bowl above its bottom and in cooperation with said bowl supporting arms position said bowl with the center of its bottom in concentric alignment with said motor drive shaft, quickly operable clamp means for clamping said bowl against said motor support carried bowl positioning members, and the parts operating whereby upon the release of said bowl clamping means said bowl may be rotated on its rounded bottom frictionally over said bowl supporting arms to permit the contents of the bowl to be poured therefrom while the bowl is maintained in supported relationship upon said arms.

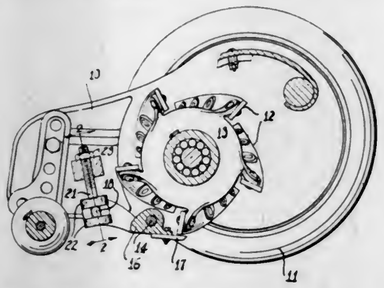
2,251,904
TIRE BUILDING MACHINE
Walter J. Breth, Max Engler, and Herman T. Kraft, Akron, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 14, 1938, Serial No. 234,980
13 Claims. (Cl. 154—10)

12. In a tire building machine, a tire building core having a central collapsible fabric receiving member of substantially cylindrical form, bead seats at opposite ends of said cylindrical member which are of less diameter than said cylindrical member and inflatable annuli mounted at the outer sides of said bead seats, said annuli when inflated having inner side walls projecting out-



wardly past said bead seats and forming the outer walls of bead receiving channels.

2,251,905
LAWN MOWER
George W. Davis and Walter C. Davis, Richmond, Ind., assignors to G. W. Davis Corporation, Richmond, Ind., a corporation of Indiana
Application August 12, 1940, Serial No. 352,188
2 Claims. (Cl. 56—294)

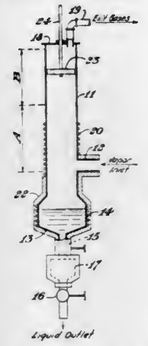


1. In a lawn mower having a main body comprising connected side plates and a rotary cutter of the reel type journalled between said plates, a cutter-bar carrier pivoted between the side plates on an axis paralleling the axis of the rotary cutter, a straight cutter-bar on said carrier positionable to coact with the reel type cutter, a lug carried by a side plate offset relative to the axis of said carrier and having a threaded perforation at right angles to the carrier axis, an adjusting screw mounted in said perforation and having two axially-spaced rigid collars, and a rigid lug carried by said cutter-bar carrier and having opposed convex surfaces which engage and fit closely between said rigid collars.

2,251,906
CONDENSATION OF MAGNESIUM VAPOR
Joseph D. Hanawalt, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application January 29, 1940, Serial No. 316,199
5 Claims. (Cl. 75—67)

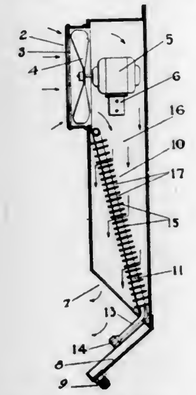
1. A method of condensing magnesium vapor which comprises passing the vapor successively into two condensation zones maintained at condensation temperatures respectively above and below the melting temperature of magnesium, whereby the major portion of the vapor is condensed in the first zone directly to a liquid and the remaining vapor is condensed in the second

zone as a solid, and combining the condensate from the second zone with that formed in the first



zone, whereby substantially all the magnesium condensed is recovered in the liquid state.

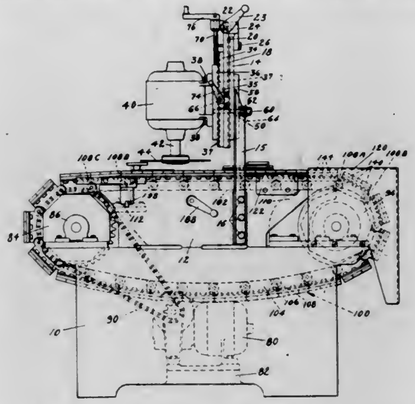
2,251,907
FORCED AIR CIRCULATION COOLING UNIT
Anthony F. Hoesel, Chicago, Ill., assignor to Peerless of America, Incorporated, Marion, Ind., a corporation of Illinois
Application May 27, 1939, Serial No. 276,104
7 Claims. (Cl. 62—102)



1. In a forced air circulation cooling unit, the combination of a casing, a fan to force air through said casing, a cooling coil within said casing and comprising extended surface refrigerant circulation conduits disposed angularly within the casing, and refrigerant baffle means within the said extended surface refrigerant circulation conduits the said baffle means comprising a twisted metal ribbon providing a multiple helical flow path adjacent the internal walls of the said conduits.

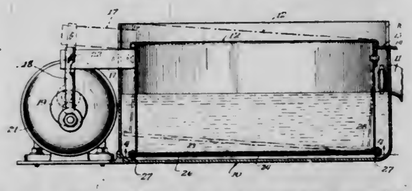
2,251,908
HEEL GRADING MACHINE
Merton W. Howard, Haverhill, Mass., assignor to Pope Machinery Corporation, Haverhill, Mass., a corporation of Massachusetts
Application August 2, 1938, Serial No. 222,678
30 Claims. (Cl. 12—42)

1. In a wood heel making machine, a tool, an endless carrier movable past said tool, said machine having a loading station on one side of said tool and a discharge station on the other, and means carried by said carrier for clamping there-



on heels placed thereon at any point along the portion thereof passing the loading station.

2,251,909
SEPARATION OF SOLID MATERIAL FROM LIQUID MATERIAL
William Lindsay, Chicago, Ill., assignor to Rotospray Manufacturing Company, Chicago, Ill.
Application January 23, 1939, Serial No. 252,290
7 Claims. (Cl. 210—149)

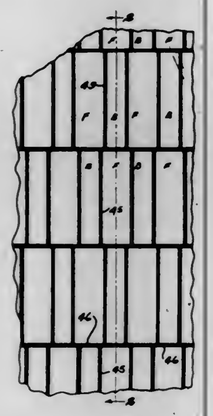


1. In a filter of the class described, a container having bottom and side walls, a second container having bottom and side walls, the bottom wall of said second container comprising a relatively fine mesh screen, said second container disposed within the first container but spaced therefrom, hinge means connecting said containers at one side thereof, means for relatively slowly reciprocating said second container vertically about said hinge means as a horizontal pivot, and means for passing liquid material through said containers and through said screen in such a manner as to keep said screen submerged, with one side in contact with the liquid material to be filtered and the other side in contact with the filtrate.

2,251,910
FURNACE CONSTRUCTION
Henry W. Beecher, Seattle, Wash., assignor to Gladding McBean & Company, Seattle, Wash., a corporation of California
Application May 13, 1939, Serial No. 273,545
16 Claims. (Cl. 72—101)

16. A wall tile comprising integral inner and outer sections of different width and of the same length and wherein the opposite side portions of the wider section extend equally beyond the opposite side surfaces of the narrower section and wherein the sections are offset endwise, providing that each extends at one end beyond the

end of the other section, and wherein opposite end surfaces of the two sections are similarly



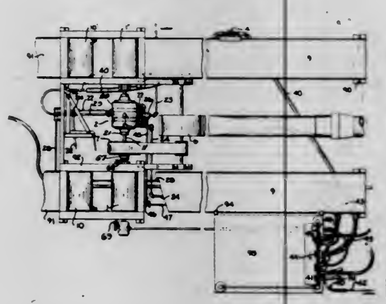
sloped downwardly toward the outside surface of the tile.

2,251,911

POWER TESTER

Claude C. Bennett, South Bend, Ind., assignor to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington

Application June 9, 1936, Serial No. 84,273
Renewed December 18, 1939
7 Claims. (Cl. 265—24)



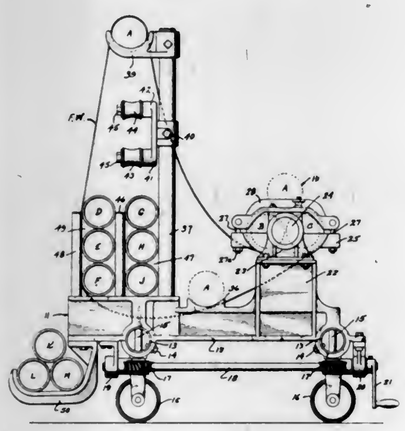
1. In combination, a shaft adapted to be driven from an engine to be tested, an hydraulic absorption dynamometer operatively connected to said shaft, a torque arm movable with the dynamometer housing in accordance with the internal resistance of the dynamometer, indicator means including a member movable in accordance with the pressure of said torque arm, a lever arm resisting pressure of said torque arm, a valve controlling the amount of liquid contained within the dynamometer, and therefore the internal resistance of the latter, and means directly interconnecting the indicator means, torque arm and valve, said parts being so constructed and arranged that the amount of liquid within the dynamometer is increased upon decrease of pressure of the torque arm, and vice versa, and a weight movable along said lever arm at will to vary its resistance to pressure of the torque arm.

2,251,912

FOURDRINIER WIRE STRINGING CARRIAGE

Earl E. Berry and Lloyd Hornbostel, Beloit, Wis., assignors to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin

Original application January 6, 1938, Serial No. 183,629. Divided and this application June 28, 1939, Serial No. 281,638
9 Claims. (Cl. 242—90)



1. A carriage for stringing a Fourdrinier wire into an open loop which comprises a chassis, wheels movably supporting said chassis from the ground, spaced opposed clamps revolvably mounted in stationary bearings on opposite sides of said chassis and adapted to receive the ends of spool poles having a Fourdrinier wire wrapped therearound to form a Fourdrinier wire bundle, a pair of spaced posts extending upward from the chassis, and pole supports at the top of said posts adapted to receive the ends of the wire pole through the free end of the Fourdrinier wire bundle.

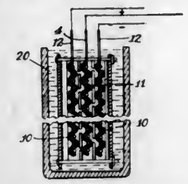
6. The method of unreeling into an open loop a Fourdrinier wire bundle having a pair of spool poles with an endless Fourdrinier wire wrapped therearound, one of said spool poles being inside of the wire, the other of said spool poles being outside of the wire and a free end pole inside the wire at the outer end of the bundle, which comprises clamping the ends of the spool poles of the bundle in rotatable supports, supporting the free end pole of the bundle in spaced relation above the clamped spool poles, inserting a plurality of intermediate poles into the loop of the wire between the free end pole and the clamped spool poles, transferring the free end pole to fixed supports, transferring an intermediate pole to fixed supports spaced below the free end pole, rotating the clamped spool poles around each other to unwind the wire while moving the same away from the fixed supports, progressively suspending other intermediate poles at spaced intervals from the fixed supports to support the upper run of the wire, continuing said rotation and moving of the spool poles until the bundle is unwound, transferring the inside wire spool pole to fixed supports, and transferring an intermediate pole to fixed supports in spaced relation from the inside wire spool pole.

2,251,913

ELECTRODE FOR STORAGE BATTERIES

Joseph B. Brennan, Euclid, Ohio

Application April 1, 1938, Serial No. 199,396
10 Claims. (Cl. 136—19)



2. An electrode for accumulators comprising a base of porous material having a spray-deposited porous conductive layer of minute metallic particles thereon.

2,251,914

METHOD OF PRINTING TEXTILES

Norman S. Cassel, Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application August 22, 1939, Serial No. 291,325
3 Claims. (Cl. 8—62)

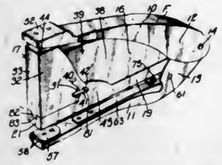
1. The method of printing on textiles which comprises printing one or more colors with a hydrophobe lacquer printing paste, and thereafter printing one or more colors with an aqueous printing paste comprising a dyestuff in an aqueous acid-reacting medium, a water-soluble thickener in sufficient quantity to produce a paste of printing consistency, and an organic water-immiscible solvent for the binder of the lacquer dispersed therein by means of an emulsifying agent active in the acid solution.

2,251,915

STAPLING PLIERS

Stephen A. Crosby, New York, N. Y., assignor to Speed Products Company, Long Island City, N. Y.

Application April 26, 1938, Serial No. 204,288
15 Claims. (Cl. 1—49)



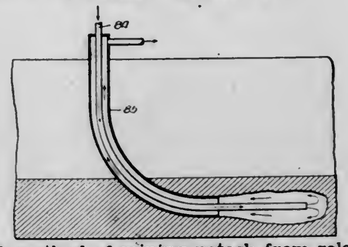
1. In combination, an upper handle comprising a head and a downwardly sloping rear portion, a lower handle comprising an upwardly sloping rear portion received and straddled by said downwardly sloping portion, a staple carrying arm comprising a magazine and a cover interposed between said handles and having a rear part housed by said sloping portions, spring controlled staple driving means slidably guided by said arm, fulcrum means pivotally sustaining said sloping portions and said magazine and cover, movable locking means for disconnectably securing said magazine and cover, coupling means interconnecting said upper handle and driving means, a staple clinching anvil carried by said lower handle, and locking means sustained by said lower handle for disconnectably engaging said arm.

2,251,916

WATER MINING SOLUBLE MATERIALS

Roy Cross, Kansas City, Mo.

Application June 12, 1939, Serial No. 278,663
7 Claims. (Cl. 262—3)



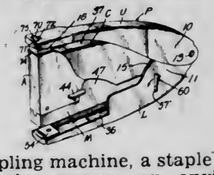
1. A method of mining potash from relatively thin beds of potash salts which comprises forming a pool of a solvent liquid in the potash bed, directing said liquid against a lower portion of said bed and causing the liquid to move upwardly against the face of said bed.

2,251,917

STAPLING PLIERS

Stephen A. Crosby, Jackson Heights, N. Y., assignor to Speed Products Company, Long Island City, N. Y.

Application July 10, 1939, Serial No. 283,691
8 Claims. (Cl. 1—49)



1. In a stapling machine, a staple carrying arm having engaging means, an anvil supporting member pivotally sustaining said arm and having spaced sides including transversely alined openings, a spring carried by said member, a clearing latch having a cross arm rotatably disposed in said openings and adapted to removably interlock with said engaging means and having spaced means for rotatably straddling said sides and having other means retained on said spring whereby the latter normally urges said latch in a direction to interlock with said engaging means, and movable driving means for ejecting a staple from said staple carrying arm.

2,251,918

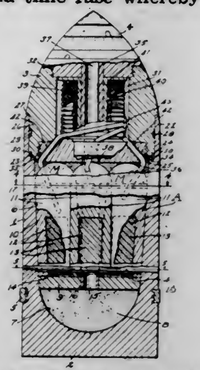
ANTIAIRCRAFT PROJECTILE

Horace W. Dawson, Fort Lewis, Wash.

Application March 15, 1939, Serial No. 261,904
4 Claims. (Cl. 102—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a projectile of the type described comprising a casing including a closure member and containing an explosive charge, a plurality of shrapnel fragments carried by the casing, above the explosive charge, a template mounted within said casing, said shrapnel fragments projecting through and supported by said template in a fixed spaced balanced position within said casing, a spindle including a base containing apertures and a time fuse adapted to ignite the explosive charge at a fixed time carried by the closure member, a reel mounted on said spindle, a plurality of lines carried by and connected to said reel and with said shrapnel fragments through

the apertures in the base of said spindle and means including an opening in said spindle and base providing a passageway from said explosive charge to said time fuse whereby the projectile



may be caused to burst at a predetermined distance in flight to free the reel, shrapnel fragments and the lines connected thereto from the projectile for engagement with an airplane or other object.

2,251,919

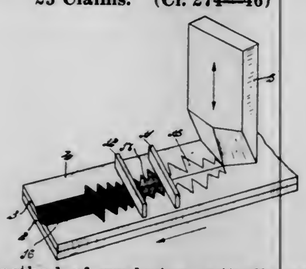
VIBRATION RECORD AND METHOD OF MAKING THE SAME

Jan Hendrik de Boer and Cornelis Johannes Dippel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application June 26, 1937, Serial No. 150,627

In Germany July 13, 1936

25 Claims. (Cl. 274—46)



1. A method of rendering optically-reproducible by chemically coloring a vibration track mechanically-recorded in the recording layer of a carrier, comprising the steps of introducing a molecularly-dispersed substance within said recording layer, applying a suitable thin protective layer to the surface of said recording layer, and applying to the surface of the track after the recording a second substance capable of cooperating with said first substance to produce a colored product.

2,251,920

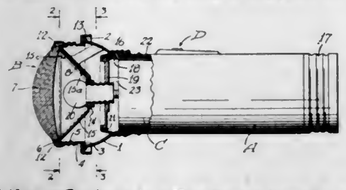
FLASHLIGHT WITH INTERCHANGEABLE REFLECTORS

Louis A. Deicken, San Francisco, Calif.

Application March 15, 1939, Serial No. 262,003

3 Claims. (Cl. 240—10.6)

1. A color-changeable hand flashlight, comprising a pair of nested reflectors of contrasting colors, one of the reflectors being dished and having a central opening and otherwise continuous excepting for a single radial slot, the second reflector being contoured to generally match the dish-form of said one reflector and of spiral shape, said second reflector also being continuous from end to end and having a central opening, one of its free ends occupying the slot thus to stand in a position of readiness for the advance of one reflector across the face of the other reflector in response to a relative turning movement, a battery barrel having a support to which



one of the reflectors is affixed and having a lamp bulb extended through the central openings in the pair of reflectors, a lens head having the other reflector attached thereto, and a swivel mount for the head upon the battery barrel providing for a relative turning of the barrel and head to accomplish said movement of said one reflector.

2,251,921

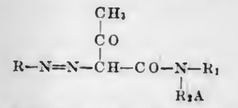
AZO COMPOUNDS AND MATERIALS COLORED THEREWITH

Joseph B. Dickey and John R. Byers, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 16, 1940, Serial No. 314,132

11 Claims. (Cl. 260—193)

1. The azo compounds having the general formula:



wherein R and R_1 each represents a member selected from the group consisting of a benzene nucleus, and a naphthalene nucleus, R_2 represents an aliphatic group of at least two carbon atoms, and A represents a member selected from the group consisting of a sulfo group, a sulfato group, and an acid ester of phosphorus group.

2,251,922

N - NITROARYL TETRAHYDROQUINOLINE COMPOUNDS AND MATERIAL COLORED THEREWITH

Joseph B. Dickey, Rochester, N. Y., and James B. Normington, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 22, 1940, Serial No. 353,676

14 Claims. (Cl. 260—283)

1. N-nitroaryl tetrahydroquinoline compounds wherein aryl represents a member selected from the group consisting of a benzene nucleus and a naphthalene nucleus.

2,251,923

IONIC DISCHARGE TUBE

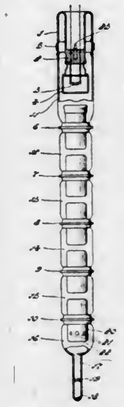
Mari Johan Druyvesteyn, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application November 7, 1939, Serial No. 303,297

In Germany November 11, 1938

3 Claims. (Cl. 250—27.5)

1. An ionic discharge tube comprising an envelope having a reservoir portion and a connecting portion connecting said reservoir portion to the main discharge space of the tube, a supply of liquid mercury in said reservoir portion, an anode and cathode within said envelope and spaced apart to form a discharge path, and means in said connecting portion to prevent passage of the liquid mercury to the main discharge



space under any condition while allowing equalization of the pressure of the mercury vapor in said reservoir portion and the discharge space, said means comprising a porous member having a flowing capacity not greater than that value at which the time required to obtain the operative vapor pressure in the tube is equal to the time required for the tube to reach its operating temperature.

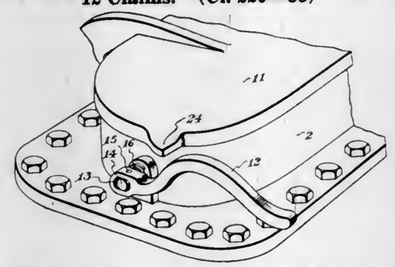
2,251,924

HATCH CONTROLLED VALVE FOR STORAGE TANKS

Phillips B. Drane, Tulsa, Okla.

Application March 22, 1939, Serial No. 263,553

12 Claims. (Cl. 220—85)



1. The combination with a tank having a pressure outlet valve carried by said tank, a hatch closure carried by said tank, a by-pass valve carried by said tank, of lever control means cooperating with said valves from the outside of the tank for alternately seating and unseating said valves and means carried by the closure for operating said lever control means.

2,251,925

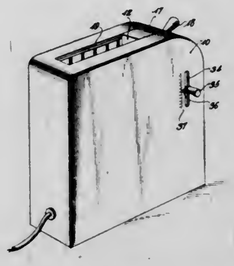
TOASTER

Phillip S. Edmunds and Ned M. Becker, Chicago, Ill.

Application June 29, 1939, Serial No. 281,942

2 Claims. (Cl. 161—16)

1. In a toaster, the combination of: a movable toast carrier, means for urging said carrier toward non-toasting position, means for locking said carrier in toasting position, means for releasing said carrier including a movable member, resilient means for moving said movable member toward releasing position, means for retarding movement of said movable member including a



flexible metallic bellows forming a variable volume chamber connected to said movable member, and means for moving said movable member from releasing position to change the volume of said chamber, said chamber having restricted communication with the atmosphere whereby movement of said movable member toward releasing position is retarded.

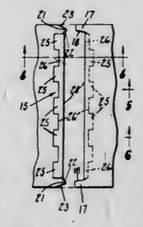
2,251,926

CONTAINER

George C. Erb, Forest Hills, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application May 18, 1939, Serial No. 274,437

4 Claims. (Cl. 220—77)



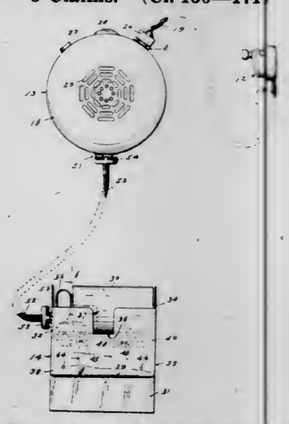
4. A reenforced can body capable of resisting both high internal and external pressures, which comprises a can body having a soldered side seam, opposed marginal edges of the body within the seam region constituting oppositely disposed alternated long and short hooks, a long hook being interlocked with a short hook, said interlocked hooks forming a plurality of interengaging holding elements arranged inside of the can body, a part of each long hook on the inside of the seam being pressed outwardly into closed form and constituting with the adjacent inside wall of the body a three thickness section, leaving a stepped shoulder where the pressed-in part connects with the other part of said long hook and providing an abuttment against its interlocked short hook and forming a four thickness section in the seam, the alternated arrangement of said pressed in long and abutted short hooks providing alternate three thickness and four thickness sections extending longitudinally of the side seam, the interhooked parts being held together by solder in a hermetic joint.

2,251,927
SLIDE FOR SPORT, AMUSEMENT, AND ARTISTIC PURPOSES
Heinrich Ermel, Berlin, Germany, assignor to the firm Riddell Skislide Company of America, New York, N. Y.
Application October 21, 1939, Serial No. 300,560
In Germany May 11, 1937
3 Claims. (Cl. 272—56.5)



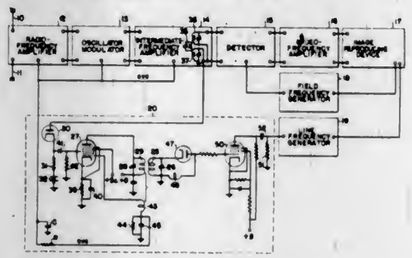
1. A slide which comprises a plurality of individual slabs or blocks of rigid material each provided with individual tufts of brush bristles inserted into and projecting from the upper face thereof in substantially vertical position with respect to the slab surface, said bristles constituting the sliding face of the slide and possessing the ability to restore themselves to vertical position after being bent toward the slide surface.

2,251,928
BATTERY FRAME FOR A HEARING AID
William J. Field and Norman J. Quam, Minneapolis, Minn., assignors to Lectro Company, Minneapolis, Minn., a copartnership composed of William J. Field, Norman J. Quam, and Leland A. Watson
Application March 6, 1939, Serial No. 260,080
3 Claims. (Cl. 136—171)



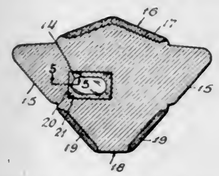
1. A battery frame of conducting material for a hearing aid and having a cradle-like compartment holding a cylindrical A battery horizontally disposed therein, an insulating member in said compartment on which the A battery rests, electrical connections for the A battery including a pair of contacts in the compartment with which the terminals of the A battery engage, one of said contacts being insulated from the frame and the other thereof being in contact therewith, one of said contacts being a spring, said frame also having a pair of spring metal jaws for engaging the sides of a rectilineal B battery inserted therebetween and held suspended at the under side of the bottom of the compartment, said jaws forming depending extensions of the sides of the compartment, the space between the jaws being unobstructed whereby the B battery may be inserted upwardly between the jaws, a pair of insulating members between the bottom of the compartment and the top of the B battery, and electrical connections for the B battery including a pair of contacts on the under side of the pair of insulating members constructed and arranged to be engaged by the terminals of the B battery and a pair of leads interposed between the pair of insulating members and attached one to each of the contacts for the B battery.

2,251,929
TELEVISION CONTROL SYSTEM
Robert L. Freeman and Harold L. Blaisdell, Flushing, N. Y., assignors to Hazeltine Corporation, a corporation of Delaware
Application December 8, 1939, Serial No. 308,152
21 Claims. (Cl. 178—7.5)



1. In a television receiver adapted to be synchronized by a received synchronizing signal including line-frequency components effectively subject to periodic interruptions, a control system comprising, a low-decrement tuned circuit resonant at such frequency that it can be excited by said line-frequency components, means for exciting said tuned circuit with said line-frequency components to develop continuous free oscillations therein which tend substantially to decrease in amplitude during said interruptions, means coupled to said tuned circuit for substantially reducing said amplitude decrease during said interruptions, means coupled to said tuned circuit for deriving a control effect from said oscillations, and means for utilizing said control effect for controlling an operating characteristic of said receiver.

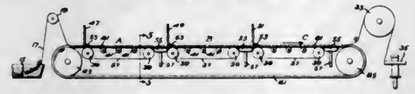
2,251,930
METHOD FOR MAKING ARTICLES HAVING TRANSPARENCIES AND THE RESULTING ARTICLES
Robert L. Gray, Brooklyn, N. Y., assignor to The Gray Envelope Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 16, 1938, Serial No. 213,996
15 Claims. (Cl. 93—61)



1. In a method of uniting a transparency to other envelope material by heat sealing the parts

which comprise a body element of paper and a foil of substantially transparent material constituting a window pane, and which overlies a cut-out or window in said body element, the steps which include providing the body material with a substantially uniform coating of a material which renders the same compatible with a thermoplastic adhesive interposed between said body and the foil, then placing the foil in overlapped position over the cut-out and applying localized heat and pressure to the foil in the region of the overlap.

2,251,931
METHOD OF AND APPARATUS FOR CONTINUOUS PROCESSING OF RAYON THREADS
Walter J. Gundelfinger, West Roxbury, Mass.
Application January 28, 1938, Serial No. 187,488
11 Claims. (Cl. 18—8)



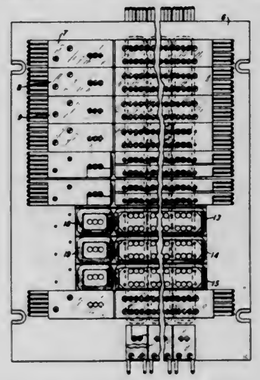
1. An apparatus for the continuous liquid processing of rayon threads, comprising, an endless conveyer to which freshly formed threads are applied, the thread receiving portion of the conveyer having a liquid-retaining formation and being normally permeable to liquids to freely drain the liquid therefrom, means for subjecting the threads while traveling on said conveyer to a stage of liquid treatment by immersion in a continuously maintained liquid bath, the same comprising means continuously to deliver liquid to cover and immerse said threads for a substantial distance on the conveyer, and means to render said conveyer substantially impermeable to prevent drainage therefrom throughout said stage but to permit drainage to take place thereafter.

2,251,932
HALOGENATED SULPHO-ACETIC ACID ESTERS
Benjamin R. Harris and Frank J. Cahn, Chicago, Ill., assignors to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 11, 1939, Serial No. 308,578
12 Claims. (Cl. 260—481)

1. Sulpho-acetic acid esters of randomly halogenated alcohols of the class consisting of lauryl alcohol and mixtures of higher alcohols comprising largely lauryl alcohol.

2,251,933
SWITCHING DEVICE
Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 24, 1940, Serial No. 354,073
4 Claims. (Cl. 179—27.54)

1. A switching device comprising two groups of coils arranged to cross each other to form rectangular fields where a coil of one group crosses a coil of the other group, spaced magnetic contact elements within said rectangular fields having aligned apertures separated from each other by insulating members having apertures aligned with but eccentric to the apertures of said contact elements, and an armature roller for each group of aligned apertures normally resting on the eccentric edges of the insulation apertures and operative to contact the adjacent apertures of the contacting elements in response to electromagnetic flux produced by the energization of the two coils surrounding said armatures.



2,251,934
GERMICIDAL SOAP
Walter H. Hartung, Lansdowne, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application September 21, 1936, Serial No. 101,787
10 Claims. (Cl. 252—107)

1. A germicidal and detergent soap composition exhibiting effective germicidal activity and possessing effective detergent and washing properties, which composition comprises an alkali metal soap of at least one saturated fatty acid and from about 1% to about 10%, based on the soap, of an alkyl phenol capable of acting as a germicide, which soap is free from soaps of unsaturated fatty acids and substantially free from unsaponifiable and unsaponified material other than phenol.

2,251,935
GERMICIDAL SOAP
Walter H. Hartung, Lansdowne, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application September 21, 1936, Serial No. 101,788
12 Claims. (Cl. 252—107)

1. A germicidal and detergent soap composition exhibiting effective germicidal activity and possessing effective detergent and washing properties, which composition comprises a water-soluble soap obtained from a soap-base selected from the group consisting of commercial fatty oils and fats, said soap being substantially free from unsaturated fatty acid soaps and from unsaponified and unsaponifiable material except phenols, said composition also containing from about 1% to about 10% of an alkyl phenol capable of acting as a germicide, based upon the weight of the soap.

2,251,936
STEERING LINKAGE
Paul Heftler, Chicago, Ill.
Application August 6, 1936, Serial No. 94,563
13 Claims. (Cl. 280—96.2)

1. In an automobile, an axle, king pins carried by the ends of the axle, steering knuckles pivotally carried by said king pins, steering arms fixed

to said steering knuckles, a tie-rod, and joints between the tie-rod and the steering arms, the



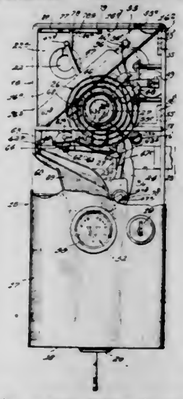
axes of the king pins and the axes of the joints all four intersecting at a single point.

2,251,937

DOOR LOCK

Carl Hoffman, Allentown, Pa., assignor of one-half to Samuel McCurley, Allentown, Pa.

Application November 10, 1938, Serial No. 239,753
13 Claims. (Cl. 194—84)



1. A door lock, comprising in combination, a casing, a latch bolt, protracting means engaging said latch bolt to protract the same, spring means loading said protracting means to maintain said bolt protracted, movable means controlled by an inside door knob, separately operable movable means controlled by an outside door knob, each knob-controlled means including a portion engageable with said bolt to retract the same, means connecting one of said knob-controlled means to said spring means, the other knob-controlled means being normally disconnected from said spring means, and means operable to connect said second knob-controlled means to said spring means.

3. The structure of claim 1, said second knob-controlled means being said outside knob-controlled means, said last named means comprising coin-controlled means, a coin arresting member incorporated therein, a movable coin release member incorporated in said coin arresting member, a coin discharge guideway adapted to receive a coin from said arresting means, a wall of said casing being adjacent a portion of said guideway and having a coin display window therein opposite said portion, a second coin arresting means associated with said portion of said guideway and including a second movable coin release member, and means incorporated in said bolt-retracting portion of said outside knob-controlled means engageable with both of said coin release members to actuate both of the same, as said bolt is retracted by said outside knob-controlled means.

2,251,938

PURIFICATION OF UNSATURATED COMPOUNDS

Claude W. Jordan, Paoli, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application February 10, 1938, Serial No. 189,765
8 Claims. (Cl. 260—674)

3. A process for the purification of a particular resin-forming unsaturated light oil hydrocarbon, comprising treating said hydrocarbon with an acid having an ion in solution containing a metal and oxygen under conditions of reagent concentration and temperature sufficiently drastic to remove color forming bodies but insufficiently drastic to react a substantial part of said resin-forming unsaturated hydrocarbon, then separating the reagent from said hydrocarbon.

2,251,939

TERTIARY ALCOHOLS OF THE CYCLOPENTANO POLYHYDRO PHENANTHRENE SERIES AND A METHOD OF PRODUCING THE SAME

Josef Kathol, Berlin, Germany, assignor, by mesne assignments, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application November 18, 1936, Serial No. 111,363. In France November 22, 1935
16 Claims. (Cl. 260—397.5)

1. Method of producing tertiary alcohols of the cyclopentano polyhydro phenanthrene series wherein the tertiary carbon is situated in the nucleus, comprising causing a member of the group consisting of acetylene and substituted acetylenes capable of combining with keto groups to react on compounds of the cyclopentano polyhydro phenanthrene series containing a keto group in one of the 3 and 17 positions, and then hydrogenating the ethinyl compounds so formed.

2,251,940

SULPHONIC DERIVATIVES

Morris Katzman, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application July 7, 1939, Serial No. 283,141
20 Claims. (Cl. 260—401)

1. Chemical compounds corresponding to the general formula

$$RO—(alk—NY)_m—CO—Z$$

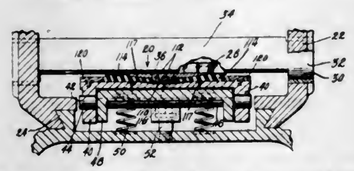
wherein R is a member selected from the group consisting of acyl, alkyl and substituted alkyl radicals containing at least four carbon atoms, alk is a member selected from the group consisting of hydrocarbon radicals and substitution products thereof, Y is a member selected from the group consisting of hydrogen, alkyl, cycloalkyl, alkoxyl, aralkyl, aryl, and alkylol, —CO—Z is the carboxylic acyl radical of an aliphatic sulpho-polycarboxylic acid, and m is a whole number.

2,251,941

SPLITTING MACHINE

Frank Kennison and Harry L. Bell, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application August 1, 1940, Serial No. 349,372
10 Claims. (Cl. 12—17)



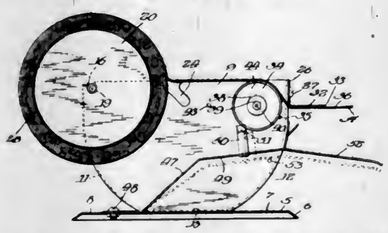
1. A splitting machine having, in combination, a yieldable bed comprising a block having rigid prongs for supporting the median part of the heel end portion of a sole, said bed also comprising a pair of conformable pads for supporting the remaining parts of the heel end portion of the sole, a knife for splitting a heel-breast covering flap from the sole, a presser member constructed and arranged to act upon the surface of the sole in advance of the knife and by its position with respect to the knife to determine the thickness of the flap produced by the action of said knife, and means for effecting relative translatory movement between the bed on the one hand and the knife and the presser member on the other hand to produce said flap.

2,251,942

APPARATUS FOR DISPENSING

Arthur E. Kimball, Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application November 25, 1932, Serial No. 644,211
Renewed October 6, 1938
7 Claims. (Cl. 242—55.5)



1. In a sheet dispensing apparatus, in combination, means for supporting a quantity of sheet material to be supplied and a roller adjacent to said supporting means and provided with a smooth measuring surface in contact with which said sheet material passes as it is supplied for use; a severing blade overlying the sheet material as it is fed over said roller, and a lever having means for controlling the rotation of said roller, said lever underlying said blade so that the roller may be released by the hand upon grasping the adjacent end of the sheet material.

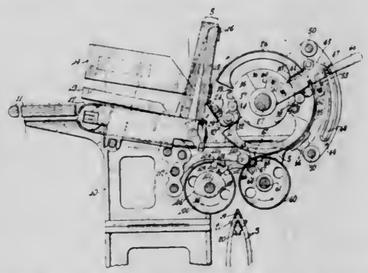
2,251,943

SIGNATURE GATHERING MACHINE

Paul E. Kleineberg, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y., a corporation of New York

Application May 15, 1940, Serial No. 335,247
29 Claims. (Cl. 270—54)

1. In a signature gathering machine having a series of hoppers for stacks from which signatures may be extracted in succession for transfer and discharge upon a traveling conveyor or saddle; an extractor adjacent to each hopper comprising a continuously rotatable drum with gripper operable to grip each signature by a first edge and pull it completely out of the stack and thence carry it around downwardly and beyond the low point of the drum and thence around upwardly to release it near a pausing position



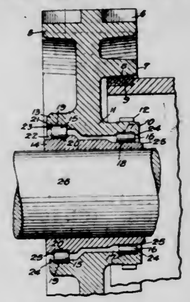
with its last-emerged second edge in predetermined position near the low point of the drum, means for supporting the released signature adjacent to the extractor drum while pausing for transfer, and a continuously rotatable transfer cylinder located below the drum and having a gripper operable to grip each pausing signature by its positioned second edge and pull it reversely away from said drum and thence around downwardly for discharge upon the gathering conveyor or saddle.

2,251,944

BEARING

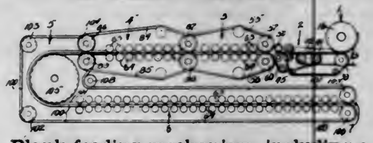
Harry A. Knox, Washington, D. C.

Application February 7, 1941, Serial No. 377,795
3 Claims. (Cl. 308—210)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a bearing, an outer member having spaced annular grooves at different distances from its axis, a set of large rollers and a set of small rollers caged in the grooves, the large rollers being in the grooves at the greater distance from the axis, an inner member engaging the rollers and including a groove for the large rollers, the marginal portions defining the grooves for the large rollers having arcuate slots for insertion of the rollers into the grooves, a plug inserted in the arcuate slot of the outer member after insertion of the rollers, and the opposed marginal portions of both inner and outer members having faces inclined towards the axis of said members.

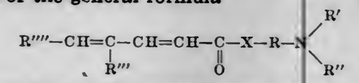
2,251,945
BLANK FEEDING MECHANISM
Harold S. Labombarde, Nashua, N. H., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application June 22, 1938, Serial No. 215,124
15 Claims. (Cl. 271—12)



1. Blank feeding mechanism, including a movable member, suction means carried by said member to contact and withdraw a blank from a magazine, elongated traveling conveying means adjacent the surface of said member and extending a material distance therebeyond and between which and the member the blank is withdrawn from the magazine, and means to break the suction to release the blank upon said conveying means which carry the blank along therewith.

2,251,946
ESTERS AND AMIDES OF UNSATURATED ACIDS
William A. Lott, East Orange, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application October 7, 1939, Serial No. 298,405
9 Claims. (Cl. 260—455)

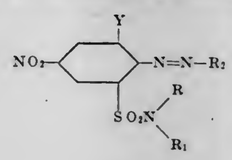
1. A compound of the group consisting of bases of the general formula



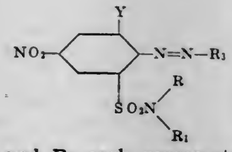
wherein R′ and R″ represent, each, a member of the group consisting of hydrogen, alkyl, and aralkyl, R represents a member of the group consisting of alkylene and substituted alkylene, R‴ and R⁗ represent, each, a member of the group consisting of hydrogen and alkyl, and X represents a member of the group consisting of O, S, and NH; and acid-addition salts thereof.

2,251,947
AZO COMPOUND AND MATERIAL COLORED THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 16, 1939, Serial No. 309,688
16 Claims. (Cl. 260—155)

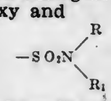
1. An azo compound selected from the group consisting of azo compounds having the general formulae:



and

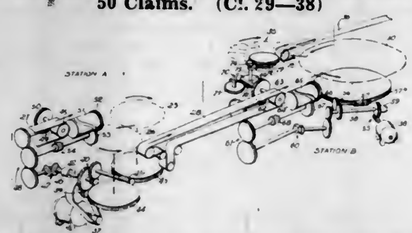


wherein R and R_1 each represents a member selected from the group consisting of hydrogen, alkyl, allyl, cycloalkyl, a phenyl nucleus and a furyl nucleus, Y represents a member selected from the group consisting of hydrogen, halogen, nitro, alkyl, alkoxy and



wherein R and R_1 have the meaning above given, R_2 represents the residue of a tetrahydroquinoline nucleus joined through the carbon atom in its 6 position to the azo bond shown and R_3 represents the residue of a phenmorpholine nucleus joined through the carbon atom in its 6 position to the azo bond shown, said tetrahydroquinoline and phenmorpholine nuclei having their nuclear nitrogen atom substituted with an alkyl group.

2,251,948
APPARATUS FOR MACHINING WORKPIECES
Alexander Oberhoffken, Frederick J. Kampmeier, and Harry W. Johnson, Rockford, Ill., assignors to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application January 23, 1939, Serial No. 252,300
50 Claims. (Cl. 29—38)

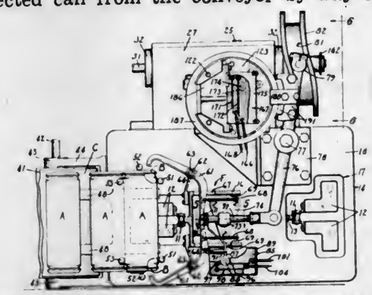


1. A machine tool organization comprising, in combination, a series of work holders movable in an orbital path, power actuated means for moving said work holders in said path continuously and at a substantially constant speed, a conveyor for supplying a succession of work pieces in a substantially continuous stream, a metal-removing tool disposed for operative engagement with succeeding work pieces in said work holders, a loader for receiving work pieces from said stream and for locating them in accurately alined and closely spaced relation while advancing them step-by-step through a predetermined series of steps toward said series of work holders and finally into said work holders, and means for actuating said loader intermittently in timed relation with the movement of said work holders to project work pieces into the successive work holders as the latter are presented to the loader.

37. A machine tool organization having, in combination, two stations at which work pieces are machined, automatically acting means for transferring a succession of work pieces from one of said stations to the other, means engageable with the successive work pieces during such transfer to measure the same, and mechanism controlled by said last mentioned means for causing removal of those work pieces which are under a predetermined size.

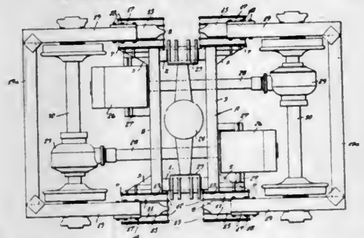
2,251,949
CAN TESTER ELEVATOR
William Pechy, Elizabeth, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 19, 1938, Serial No. 220,152
5 Claims. (Cl. 209—88)

5. In a device of the character described, the combination of a conveyor for carrying cans having end members applied thereto, a can discharge chute disposed adjacent the path of travel of the cans on said conveyor, can ejecting means located in line with said discharge chute and disposed adjacent the path of travel of said cans, and means for detecting imperfect cans which lack an end member and including devices for actuating said can ejecting means to remove the detected can from the conveyor by way of said



discharge chute, said can detecting means further including a pair of oppositely disposed detector fingers pivotally movable toward and away from the opposite ends of the cans to detect the presence or absence of a said end member, each of said detecting fingers having means for operating said ejecting means upon detecting the absence of a can end, and means for actuating said detector fingers in synchronism with the movement of the cans into the conveyor.

2,251,950
CANTILEVER TYPE TRUCK
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application December 23, 1938, Serial No. 247,438
10 Claims. (Cl. 105—182)



2. A rail truck comprising a main frame, cantilever axle suspensory arms extending fore and aft of said frame from the corners thereof, masses of elastic material constituting the cantilever mounting for each of said arms on said frame and resisting relative swinging movement of the free ends thereof through vertical arcs in torsional shear, axles connected to the outer ends of said arms, and equalizing bars rigidly connecting the outer ends of arms on opposite sides of said frame in pairs.

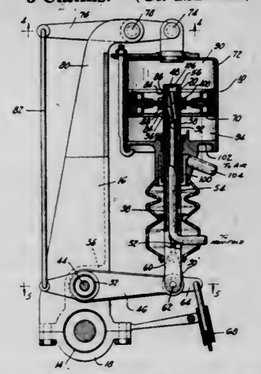
2,251,951
VACUUM TUBE FOR HIGH FREQUENCIES
George Emerson Pray and Sebastian Riccobono, Washington, D. C.
Application September 22, 1938, Serial No. 231,215
10 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An electron discharge device, comprising a substantially straight electron emissive cathode, two narrow strip anodes disposed parallel to said cathode on diametrically opposite sides thereof, a straight single wire control electrode disposed parallel to said cathode between said cathode and each said anode, and two electron-repelling focusing plates on opposite sides of said cathode much nearer said cathode than are said anodes and extending parallel to the common axial



plane of said cathode and said control electrodes to carry a potential to restrict the movement of electrons from said cathode to either said anode to a zone not substantially wider than said anodes the transverse dimension of each said anode being not greater than the distance between said focusing plates.

2,251,952
TRANSMISSION CONTROL
Harold W. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 14, 1938, Serial No. 240,231
3 Claims. (Cl. 121—41)



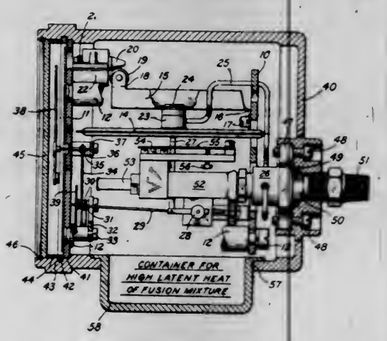
1. In an automotive vehicle provided with a change-speed transmission and a steering column, means for operating the transmission including a portable unit adapted to be mounted on the column at any desired angle in a plane perpendicular or substantially perpendicular to a plane including the longitudinal axis of the column, said unit including a bracket member, a motor extending parallel or substantially parallel to the bracket member, valve means for controlling the operation of the motor and mounted therein, a link for operating one part of said valve means, and means for connecting the motor to the bracket including a crank member interconnecting the aforementioned valve operating link with one end of the bracket and a lever member, mounted on the upper end of the bracket, interconnecting the other end of the motor with the bracket.

2,251,953
STABILIZED HYDROCARBON COMPOSITION
Carl F. Prutton, Cleveland Heights, Albert K. Smith, Shaker Heights, and Delton R. Frey, East Cleveland, Ohio, assignors to The Lubri-Zol Corporation, Wickliffe, Ohio, a corporation of Ohio
No Drawing. Application March 6, 1939, Serial No. 260,221
9 Claims. (Cl. 252—53)

1. A lubricating composition comprising a ma-

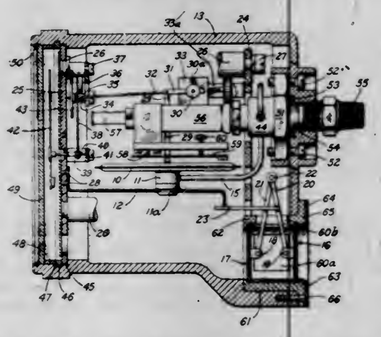
jor proportion of mineral oil, the properties of which affecting its use as a lubricant are improved by the inclusion therein of a minor proportion of an oil-soluble, phosphorus-containing product resulting from the reaction of PCl_3 with a compound of the class consisting of lactic acid, esters of lactic acid and salts of lactic acid.

2,251,954
TEMPERATURE COMPENSATION FOR PRESSURE ACTUATED INDICATORS
Christopher Alois Rafferty, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Application June 25, 1940, Serial No. 342,359
10 Claims. (Cl. 73—179)



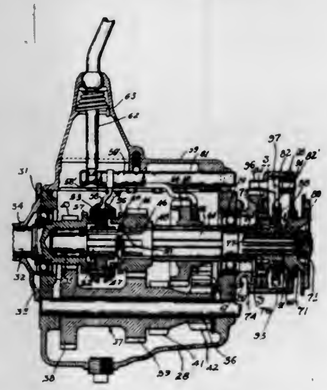
1. In an instrument of the class described having a pressure chamber, means comprising flow-retarding means providing restricted communication between the outside atmosphere and the interior of said chamber, means responsive to the differential in pressure within said chamber, and outside of said chamber, and means effective during rapid temperature changes exterior to said chamber for modifying the rate of change of temperature within said chamber.

2,251,955
TEMPERATURE COMPENSATOR FOR PRESSURE ACTUATED INDICATORS
Christopher Alois Rafferty, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Application June 25, 1940, Serial No. 342,360
14 Claims. (Cl. 73—179)



1. In a device of the character described, a pressure responsive element subject to a changing atmospheric pressure on one side thereof, means for retarding the rate at which pressure on the other side of said element tends to become equal to said changing atmospheric pressure, and means responsive to a difference in temperature between the two sides of said pressure responsive element for counteracting the operation of said pressure responsive element during sudden temperature changes.

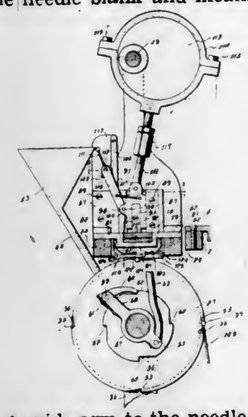
2,251,956
SPRAG
Carl F. Rauen, Grosse Pointe, Mich.
Application September 13, 1933, Serial No. 689,204
28 Claims. (Cl. 192—4)



1. Reverse brake construction for a motor vehicle driving mechanism comprising a shaft having a one-way locking mechanism associated therewith for preventing rotation of said shaft in one direction, means for driving said shaft in either direction, a shift mechanism for rendering said locking mechanism inoperative to prevent rotation of said shaft in said one direction, said locking and shift mechanisms having cooperative and disconnectable axially shiftable teeth associated therewith, and means for preventing the locking of said teeth in response to the operation of said shift mechanism when said shaft is rotating in said one direction only, said last-mentioned means including a beveled end on at least one of said teeth sloping away from the load holding surface thereof so as to form with said load holding surface, an angle greater than 90°.

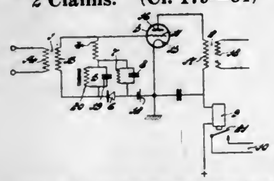
2,251,957
NEEDLE WELDING MACHINE
Omer J. Rainville, South Attleboro, Mass., assignor to E. Z. I. Needle Company, Incorporated, Providence, R. I.
Application June 17, 1940, Serial No. 341,051
20 Claims. (Cl. 219—4)

1. In a needle welding machine, wherein a resilient thread guide arm is welded to the flattened side of the shank of a needle blank, a rotatable drum having needle blank supports on its peripheral surface, means engageable with the needle blank to rotate and hold the same in position with the flattened side directed away from the drum, means for feeding a strand of resilient wire into position above a needle blank supported in the drum, a combined carrier and die for cutting a thread guide arm from the strand of resilient wire and placing the same upon the flattened side of the needle blank and means for welding



the thread guide arm to the needle blank at corresponding ends thereof.

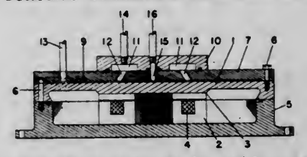
2,251,958
TELEPHONY
Thomas Samuel Skillman, Jan Willem Baurdoux, and Mathias van de Beek, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 8, 1938, Serial No. 184,089
In Germany January 29, 1937
2 Claims. (Cl. 179—84)



1. A telephony receiving apparatus comprising a low frequency amplifier including a grid-controlled amplifier tube, said amplifier having a grid circuit to which are supplied the received speech frequency band and signal currents of a frequency within the speech-frequency band and of amplitudes which are large relative to those of the speech currents, and an output circuit adapted to be connected to utilization means for the amplified speech current, controlling means in said output circuit to control a signal circuit, said controlling means being controlled by the anode current of said tube, and means in said grid circuit and associated with the grid of said tube to change the grid voltage when signal currents are being supplied, said latter means comprising an oscillatory circuit tuned to the signal frequency, a rectifier, and a resistance.

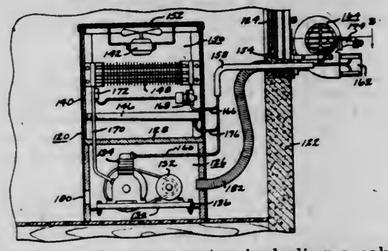
2,251,959
APPARATUS FOR THE PRODUCTION OF FINELY DIVIDED SUBSTANCES
Edward W. Smith, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Original application December 27, 1935, Serial No. 56,365. Divided and this application October 22, 1938, Serial No. 236,502
2 Claims. (Cl. 204—193)

1. Apparatus for the production of finely divided precipitates by the reaction of two substances which comprises a vibratable diaphragm, means for vibrating the same, a recessed cover plate, means for mounting the same over the diaphragm thereby forming a thin, flat chamber having said diaphragm as one wall thereof, an aperture in said cover plate adapted to conduct a reactive substance into said chamber, a



group of other apertures in said cover leading into said chamber at points spaced away from said first aperture, a plate having an annular groove mounted upon said cover with said groove in communication with said group of other apertures, means for conducting the other reactive substance to said annular groove and means for withdrawing reaction products from said chamber.

2,251,960
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 1, 1936, Serial No. 82,726
11 Claims. (Cl. 62—140)

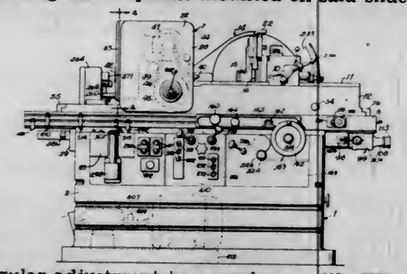


1. Refrigerating apparatus including a cabinet located in a room, said cabinet including a machine compartment and having an evaporating means located outside of the machine compartment, said machine compartment containing a motor-compressor unit, a condenser located outside the room, a fan located outside said room for circulating air into heat exchange relationship with said condenser, said machine compartment having an opening for admitting air from the room and an outlet connected by conduit means to the inlet of said fan located outside the room, and a pump driven by said fan for withdrawing moisture condensed by the evaporating means to a point outside of said rooms.

2,251,961
MACHINE TOOL
Ira J. Snader, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application December 2, 1937, Serial No. 177,693
42 Claims. (Cl. 51—95)

1. A thread grinding machine comprising, in combination, a base, a table reciprocable on said base, a headstock angularly adjustable on said table and having a work spindle, a hydraulic motor for rotating said spindle and reciprocating said table in timed relation, means selectively available to modify the drive for said table to

compensate for angular adjustment of said headstock, a cross-feed slide mounted on said base for movement transversely of said table, means for automatically imparting an approach feed increment once for each reversal of said table, a grinding wheel spindle mounted on said slide for



angular adjustment in accordance with different thread leads and for back-off reciprocation toward and from said work spindle, and means operable in timed relation to said work spindle for imparting said back-off reciprocation to said wheel spindle.

2,251,962

ARTIFICIAL THREAD AND METHOD FOR PREPARING SAME

Alexis Sommaripa, New York, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 25, 1938, Serial No. 226,683

7 Claims. (Cl. 57—140)

1. The method of constructing a sewing thread which comprises twisting a single bundle of synthetic linear polymer filaments, and permanently setting the said twist by subjecting the twisted bundle to a hot non-solvent swelling agent for said polymer.

5. A sewing thread comprising at least one bundle of synthetic linear polyamide filaments, said bundle of filaments twisted together and permanently set.

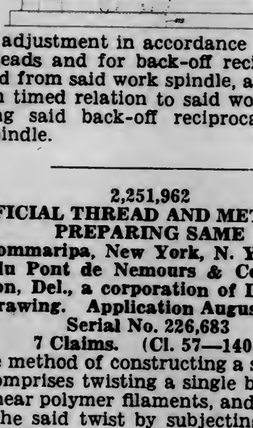
2,251,963

ROLLER GUIDE FOR ELEVATOR CARS

Walter Spiro, New York, N. Y., assignor, by mesne assignments, to Elevator Safety Corporation, New York, N. Y., a corporation of New York

Application May 27, 1940, Serial No. 337,477

7 Claims. (Cl. 187—95)



1. In an elevator guide for use in connection with a guide rail having an end riding surface and two side riding surfaces the combination, with a frame, of two longitudinally spaced rubber tired rollers mounted on said frame, adapted to ride along one of said two side riding surfaces, another rubber tired roller mounted on said frame at a point intermediate said two rollers, adapted to ride along the other side riding surface of said rail, and a rubber tired roller mounted at each end of said frame, adapted to ride along the end riding surface.

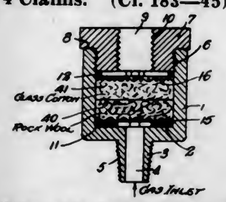
2,251,964

APPARATUS FOR FILTERING GAS

Wilton E. Stackhouse, Lansdowne, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

Application February 14, 1938, Serial No. 190,372

4 Claims. (Cl. 183—45)



1. A gas filter adapted to remove extremely minute vapor phase gum particles suspended in combustible gas flowing to a low rate appliance burner, comprising a filter casing having inlet and outlet openings, and a filter element of glass cotton arranged in said casing for the flow of said combustible gas therethrough, said filter element having a depth in the direction of gas flow of at least 0.25 inch, and said glass cotton having an average fiber diameter not substantially greater than 3 microns and a density between 3.2 grams per cubic inch and 4.1 grams per cubic inch.

2,251,965

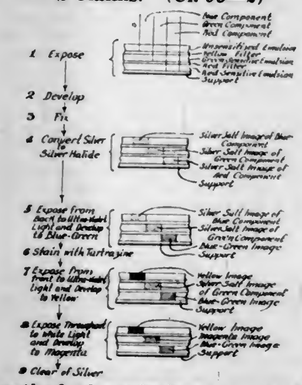
COLOR PHOTOGRAPHY AND COLOR PHOTOGRAPH

Honoré Verkinderen, Mortsel, near Antwerp, Belgium, assignor to Gevaert Photo-Producten, N. V., Oude-God, near Antwerp, Belgium

Application March 11, 1938, Serial No. 195,386

In Austria March 30, 1937

2 Claims. (Cl. 95—2)



1. A method of producing a composite three-color image on a photographic material consisting of a support coated with three superposed, differentially color-sensitive emulsion layers having a latent image of a color component of said color image in each of said layers which comprises converting the latent image in each of said layers into a corresponding light-sensitive silver salt image, said layers being otherwise undifferentiated, exposing one side of said material to short-wave, ultra-violet light which is strongly absorbed by the gelatin of said emulsion layers independently of the presence of any other light absorbent and selected as to intensity to be substantially wholly absorbed by said gelatin of the outer emulsion layer on the exposed side of the material whereby the silver salt image in said layer is converted into a corresponding latent image without substantially affecting the silver salt image in the layer below it, developing the latent image formed by said exposure to a corresponding color image, thereafter exposing the other side of said material to short-wave, ultra-violet light which is strongly absorbed by the gelatin of said emulsion layers independently of the presence of any other light absorbent and selected as to intensity to be substantially wholly absorbed by said gelatin of the outer emulsion layer on the second exposed side of the material whereby the silver salt image in said layer is converted into a corresponding latent image without substantially affecting the silver salt image in the layer below it, developing the latent image formed by said second exposure to a corresponding color image, and thereafter exposing the intermediate emulsion layer to light which will penetrate said imtermediate layer through one of said outer layers and developing the latent image thereby formed to a corresponding color image.

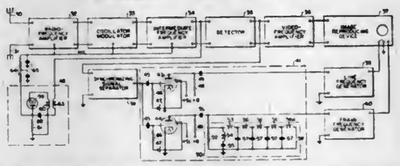
2,251,966

TELEVISION SYNCHRONIZING SYSTEM

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application June 7, 1939, Serial No. 277,861

7 Claims. (Cl. 178—69.5)



1. A television synchronizing system comprising means for developing a composite synchronizing signal including continuous line-synchronizing pulses having predetermined critical amplitude and frequency characteristics and field-synchronizing pulses spaced between said line-synchronizing pulses, of the same polarity as said line-synchronizing pulses and having predetermined different critical amplitude and frequency characteristics, and means for receiving and utilizing said composite signal comprising means responsive primarily to amplitude characteristics of said composite signal for deriving therefrom separated line-synchronizing pulses and means responsive primarily to frequency characteristics of said composite signal for deriving therefrom separated field-synchronizing pulses.

2,251,967

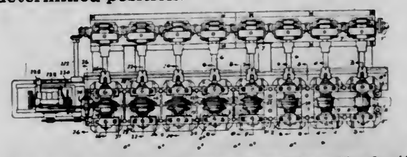
MACHINE FOR AND PROCESS OF FORMING STRUCTURAL MEMBERS

Carl M. Yoder, Lakewood, Ohio

Application August 5, 1936, Serial No. 94,404

7 Claims. (Cl. 153—28)

1. The herein disclosed process of shaping sheet metal to form structural members having a predetermined cross sectional shape which consists in feeding sheet metal stock to and through a plurality of roll passes and bending a section of the stock along a longitudinal line to approximately its final predetermined position, then bending the section along said line to an abnormal position beyond the final predetermined position thereof, and finally bending the section along said line in the reverse direction to its final predetermined position.



4. In a machine of the class described, the combination of means for feeding sheet material, a series of roll passes operating to bend a section of the material relative to another section thereof, along a longitudinal line into angular relation to a position approximating their final position, a group of rolls for bending one section relative to the other section to a position beyond its final position, and a group of rolls for bending the section in the reverse direction backwardly to its final position.

2,251,968

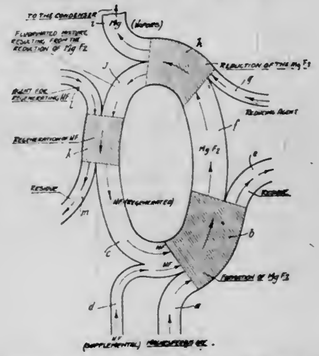
PROCESS FOR THE PRODUCTION OF VERY PURE MAGNESIUM FROM MAGNESIUM ORES

Carlo Adamoli, Milan, Italy, assignor to Perosa Corporation, Wilmington, Del., a corporation of Delaware

Application September 7, 1938, Serial No. 228,865

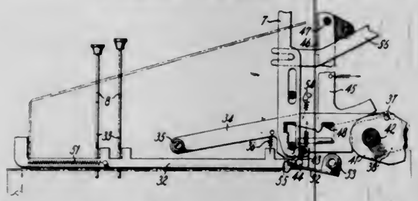
In Italy September 11, 1937

23 Claims. (Cl. 75—67)



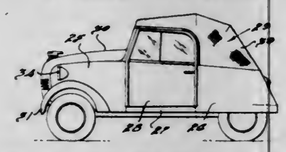
1. A cyclic process for obtaining very pure magnesium which comprises treating magnesiferous ore with hydrofluoric acid to form magnesium fluoride, treating said magnesium fluoride with calcium at the temperature of distillation of the magnesium and in a non-oxidizing atmosphere, condensing the magnesium vapours resulting from the reducing treatment, treating the calcium fluoride remaining after the distillation of the magnesium with a strong acid to regenerate the hydrofluoric acid, treating a further quantity of magnesiferous ore with said hydrofluoric acid to form magnesium fluoride, and treating said magnesium fluoride with calcium at a temperature of the distillation of the magnesium and in a non-oxidizing atmosphere.

2,251,969
ACCOUNTING MACHINE
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 29, 1938, Serial No. 216,461
1 Claim. (Cl. 235—60)



In a machine of the class described having a traveling paper carriage, means, including total keys and carriage controls, for controlling the taking of totals, a normalizer key for disabling the carriage controls, and a lock to prevent depression of the total keys, the combination of means to hold the lock in ineffective position, and means, including the normalizer key, to disable the holding means and render the lock effective when the carriage controls are rendered ineffective to control operation of the machine.

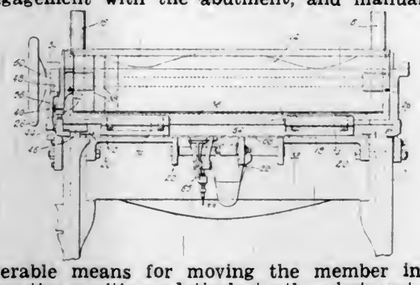
2,251,970
VEHICLE BODY
Clarence W. Avery and Charles H. Widman, Detroit, and Noble C. Clark, Pleasant Ridge, Mich., assignors to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application August 1, 1938, Serial No. 222,413
8 Claims. (Cl. 296—28)



1. A vehicle body having, in combination, rear panels forming the sides and deck portion, a U-shaped element of channel section which is outwardly directed and secured to the inner face of said panels forming a box section sill structure therewith, and a longitudinally disposed chassis frame having outwardly extending arms upon which the sill rests and is bolted or otherwise secured thereto.

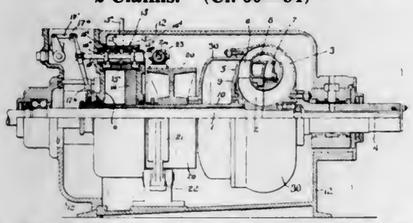
2,251,971
PRESS
Charles Martin Bagshaw, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application August 23, 1940, Serial No. 353,887
In Great Britain September 8, 1939
9 Claims. (Cl. 192—134)

1. A press comprising a bed, a table movable manually along the bed, a beam mounted for reciprocation toward and away from the bed, a guard extending along one side of the beam and pivotally mounted upon the frame of the machine, an abutment movable with the beam, a member associated with the guard and arranged to be engaged by the abutment in effecting movement of the guard away from the table, a spring normally operative to hold the member out of engagement with the abutment, and manually



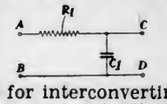
operable means for moving the member into operative position relatively to the abutment.

2,251,972
HYDRAULIC TRANSMISSION
Otto A. Banner, Highland Park, N. J.
Application March 21, 1938, Serial No. 197,291
2 Claims. (Cl. 60—54)



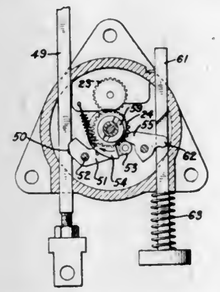
1. In a hydraulic transmission including a primary wheel, a vaned secondary wheel, and a shiftable rotatable guide vane system, shiftable to provide forward and reverse drive of the secondary wheel, a primary shaft for said transmission, a shiftable sleeve on said primary shaft and connected to said guide vane system, a piston on said sleeve, a cylinder enclosing said piston, means for controlling the delivery of pressure fluid to said cylinder to shift the piston for shifting said guide vane system, and brake means associated with said guide vane system for holding it against rotation.

2,251,973
CIRCUITS FOR INTEGRATING AND DIFFERENTIATING ELECTRIC VARIATIONS
Evelyn Stewart Lansdowne Beale, Chelsea, London, and Richard Stansfield, Teddington, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application March 20, 1936, Serial No. 69,808
In Great Britain March 21, 1935
11 Claims. (Cl. 177—351)



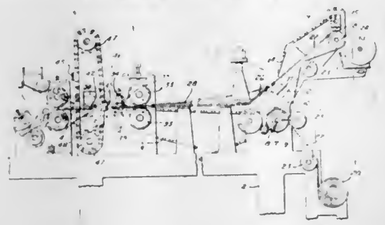
1. Apparatus for interconverting electrical potential variations and potential variations that are their derived function, comprising an elementary circuit, including a resistance element and a reactance element for producing the desired conversion of the electric potential variations applied thereto when no current is taken from the circuit, said circuit having an input and an output side, means for applying electric variations to the input side thereof, means for applying a potential derived from the output side thereof to a device for utilising the said potential, and a circuit comprising resistance means for feeding from the output side of said circuit to the input side thereof a voltage in positive phase and of such amplitude as to compensate for the errors arising due to the flow of current from said output side.

2,251,974
PREDETERMINING COUNTER FOR FLUID METERS
William F. Berck, Hayward, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California
Application June 6, 1938, Serial No. 212,113
17 Claims. (Cl. 235—132)



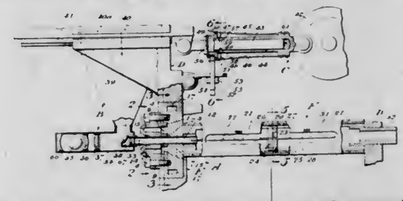
1. In an apparatus of the character described, a plurality of revoluble members, a latch bar, a latch member to engage said bar and latch it in position, a driven rotatable member normally out of register with the latch member but capable when in register therewith to operate the same to disengage it from the latch bar when said rotatable member reaches a definite position in its cycle of operation, and means normally restrained by said revoluble members and automatically operative to position said rotatable member into register with said latch member when said revoluble members reach a predetermined circumferential position.

2,251,975
ROTARY LIP KNIFE FOR BAG MACHINES
Walter Bochow, Brooklyn, N. Y., assignor to Equitable Paper Bag Co., Inc., Long Island City, N. Y., a corporation of New York
Application April 18, 1940, Serial No. 330,233
6 Claims. (Cl. 93—19)



1. In a bag machine, a former about which a web of paper is folded to form a bag tube, feed rollers for advancing the tube, pinch bar mechanism for creating slack in the tube, a rotary lip knife and connections from said pinch bar mechnism to said lip knife whereby it is rotated in timed relation with said pinch bar mechanism.

2,251,976
INDICATOR FOR INTERNAL COMBUSTION ENGINES
Gilman W. Brown, Danvers, Mass., assignor of one-half to Charles H. Endee, Milton, Mass.
Application December 14, 1939, Serial No. 309,304
2 Claims. (Cl. 234—21)



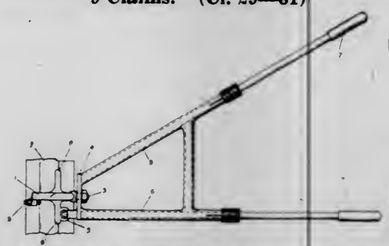
1. An apparatus for indicating and recording the gas pressure in an engine during operation having a record sheet, means for moving the record sheet in timed relation to the movement of the engine piston, pressure responsive means, and means for producing a representation on said record sheet of the movement of said pressure responsive means, said apparatus being characterized by pressure responsive means having a casing providing a cylinder, a rotor within said cylinder having its axle rotatably mounted in said casing, a straight flat spring secured at one end to said axle and projecting axially therefrom, and means mounted for adjustment lengthwise of said spring and adapted to hold the latter rigid at a position spaced from said axle.

2,251,977
WELL CEMENTING APPARATUS
Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application December 23, 1939, Serial No. 310,811
33 Claims. (Cl. 166—1)



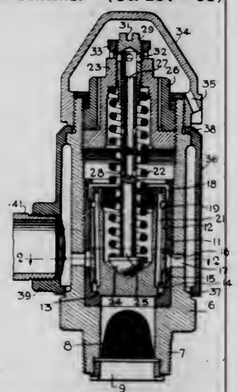
1. A cementing device comprising a tubular member having one or more openings therethrough and adapted to form part of a casing string, a valve member on the exterior of said tubular member for controlling flow of fluid through said openings, and frangible means for positively maintaining said valve member in position to prevent passage of fluid through said openings, said frangible means being disruptable hydraulically to permit movement of said valve member to a position allowing flow of fluid through said openings.

2,251,978
RAIL CLEANING DEVICE
Charles A. Cadwell and Noble G. Carlson, Cleveland Heights, Ohio, assignors to The Electric Railway Improvement Company, Cleveland, Ohio, a corporation of Ohio
Application December 1, 1938, Serial No. 243,352
9 Claims. (Cl. 29—81)



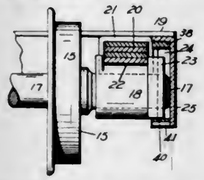
1. A device for cleaning the side of a rail head which comprises a frame adapted to fit upon the rail head, a member pivotably mounted on said frame operative to rotate in a plane substantially parallel to the side of said rail head to be cleaned, handle means whereby such rotation may be effected, and a cutting tool mounted on said rotatable member in position for oscillation together with said member in cutting engagement with the side of said rail head.

2,251,979
SAFETY VALVE
Charles Albert Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application April 2, 1940, Serial No. 327,525
2 Claims. (Cl. 137—53)



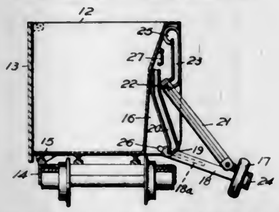
1. In a safety valve, the combination of a valve body having a passage adapted for connection with the pressure vessel from which pressure fluid is to be vented, a valve seat surrounding said passage and main discharge ports leading through the valve body from a point beyond said seat; a piston-like poppet valve guided in said body to move toward and from said seat and adapted to seal thereagainst, said valve being provided with at least one reaction shoulder exposed to discharging pressure fluid when the valve is open, the valve and its guide being formed with coacting ports which at certain times when the valve is away from its seat connect said reaction shoulder with the space behind the valve; a spring seat adjustable in the valve body and together with such body enclosing a reaction chamber behind the valve; a spring reacting between the spring seat and said valve in a valve closing direction; a valve stem guided in the spring seat, said stem being ported to afford a venting flow path from said chamber through the guided end of the stem; and means having a vent port, said means being mounted on said spring seat but adjustable independently thereof to vary the rate of flow through the ported end of said stem.

2,251,980
SPRING MOUNTING
Arthur V. Card, Denver, Colo., assignor to The C. S. Card Iron Works Company, Denver, Colo., a corporation of Colorado
Application May 31, 1938, Serial No. 210,886
3 Claims. (Cl. 105—224)



1. In a wheeled truck for a railway car or the like, a frame, an axially movable axle-shaft having wheels intermediate its ends, journal boxes for the axle-shaft positioned outboard of the respective wheels and between the upper and lower levels of said frame, said boxes being axially open whereby the axle-shaft can project therethrough, and flat spring members supported by the journal boxes between the upper and lower levels of the frame and carrying the frame, parts of the frame being in spaced axial alinement with the axle-shaft ends for direct contact therewith when said axle-shaft moves axially.

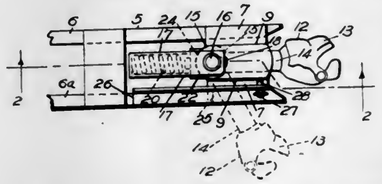
2,251,981
DUMP CAR
Arthur V. Card, Denver, Colo., assignor to The C. S. Card Iron Works Company, Denver, Colo., a corporation of Colorado
Application August 15, 1939, Serial No. 290,179
16 Claims. (Cl. 105—274)



1. The combination with a tiltable dump car body, of a normally retractable mechanism at times adapted to project laterally therefrom, a dump roller journalled on said mechanism, and means on the car body disposed to engage and to hold said mechanism in a projecting position during dumping.

6. In a dump car having a wheeled truck, the improvement which comprises a dump body hinged to the truck and having a recess in a side thereof, guide-ways positioned in the recess and terminating in downwardly and inwardly inclined portions, normally retractable projecting mechanism having guide-way followers slidably supported on the body by said guide-ways, and a dump roller journalled on said mechanism.

2,251,982
RAILWAY CAR COUPLER
Arthur V. Card, Denver, Colo., assignor to The C. S. Card Iron Works Company, Denver, Colo., a corporation of Colorado
Application October 30, 1939, Serial No. 302,010
6 Claims. (Cl. 213—12)

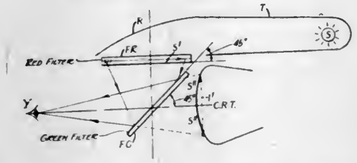


3. In car coupler construction, the combination with a car frame element having spaced complementary longitudinal structural members, of two vertically spaced draft plates attached to the members, a pivot pin positioned through the plates, and a coupler element pivoted to the plates between the structural members, by the pin, a portion of one of said structural members being open to provide clearance for said coupler element to move angularly through and beyond the vertical plane of said member.

2,251,983
PROCESS FOR MAKING VINYL ESTERS AND OTHER ESTERS OF UNSATURATED ALCOHOLS
Henry C. Chitwood, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application April 25, 1940, Serial No. 331,603
18 Claims. (Cl. 260—491)

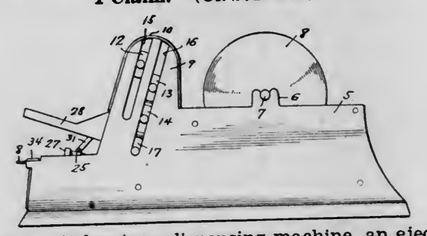
1. The process for making carboxylic acid esters of unsaturated alcohols which comprises subjecting a diester of an alkylene glycol having at least one primary hydroxyl group with a carboxylic acid having at least two carbon atoms to pyrolysis, and recovering an ester of an unsaturated alcohol from the pyrolysis products.

2,251,984
OSCILLOGRAPH SCALE SYSTEM
Richard Francis Cleaver, Ivor Reginald John James, and Charles Frederick Allen Wagstaffe, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application May 21, 1938, Serial No. 209,230
In Great Britain May 28, 1937
4 Claims. (Cl. 177—329)



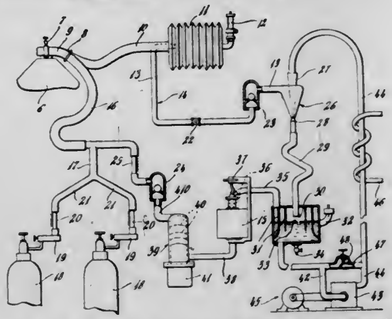
1. A cathode ray tube indicator arrangement comprising a cathode ray tube having a target at one end thereof, a transparent scale carrying means arranged parallel to the axis of said tube, a source of light arranged back of said scale carrying means, and a partially reflecting, partially transparent means arranged at a 45° angle with respect to said target and said scale carrying means for producing an apparent superposition of said scale and said target means of a virtual image.

2,251,985
TAPE PRINTING AND DISPENSING MACHINE
Clen Dennen Coats, Miami, Okla., assignor of one-half to Sam Fields, Miami, Okla.
Application May 23, 1940, Serial No. 336,870
1 Claim. (Cl. 271—2.5)



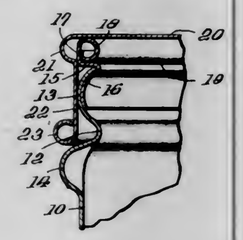
In a sticker tape dispensing machine, an ejector device for the tape comprising a body having a flat elongated passage therethrough for the tape, means for slidably supporting the body, said body having an opening in its top, a jaw pivoted at its rear end to the top of the body in rear of the opening with the jaw extending over the opening, a bar connected with the top of the body and passing over the front end of the jaw for limiting upward movement of the same, a lever pivoted to a part of the machine, means for normally holding the lever in raised position and a link connecting an intermediate part of the lever with the top of the jaw, and said link extending downwardly and forwardly, whereby depression of the lever will cause the link to first close the jaw upon the tape passing through the body and then move the body forwardly, upward movement of the lever first causing the link to raise the jaw and then move the body rearwardly.

2,251,986
APPARATUS AND METHOD FOR THE ADMINISTRATION OF GASES
Karl Connell, Branch, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application May 7, 1938, Serial No. 206,506
4 Claims. (Cl. 128—191)



3. In the art of administering gas, a method of removing carbon dioxide from gas breathed by a patient which comprises injecting into a circuit forming at least a part of a closed breathing system and in a direction which will cause gas-flow therethru a liquid which contains an absorbent chemical.

2,251,987
CONTAINER
Carle C. Conway, Jr., Scarborough, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application November 7, 1939, Serial No. 303,321
3 Claims. (Cl. 220—29)

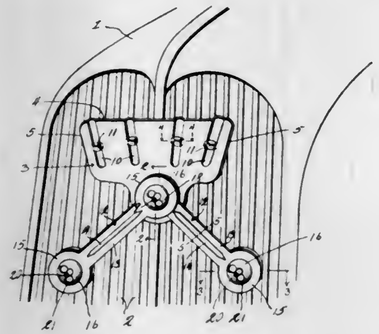


1. A container comprising a body portion having the upper end thereof curved outwardly to provide an outer convex surface and an open inner concave surface, said body portion having an inward peripheral strengthening bead immediately below the outwardly curved upper end thereof, a supporting member having a substantially horizontal shoulder portion intermediate the ends thereof and a skirt portion depending from said shoulder portion, said skirt portion being shaped to provide an outer convex surface intimately fitting within the concave surface on the body portion whereby to secure the supporting member to the body portion, a frangible sealing disc extending across said supporting member, said supporting member having a portion thereof extended substantially vertically and upwardly from said shoulder portion and curled inwardly to provide a bead for clamping the peripheral edge of said sealing disc, and a cover for the container, said cover having a laterally extending bead around the top thereof and a depending flange contacting with the vertical portion on said supporting member and with the outer convex surface on the body portion at substantially the outermost surface thereof.

2,251,988
METHOD OF PURGING THE INTERNAL PARTS OF INTERNAL COMBUSTION ENGINES
Alton F. Curran, Malden, Mass.
No Drawing. Application March 30, 1938, Serial No. 199,049
2 Claims. (Cl. 123—198)

1. A method of purging the internal parts of an internal combustion engine of accumulated contaminations incident to the past operation of the engine, said engine being equipped with an air-intake leading to the combustion chambers of said engine and with a crank case containing lubricating oil for said engine, which comprises gradually pouring into the air-intake of said engine, while said engine is running at a brisk pace and is sufficiently hot to correspond to a temperature of at least about 140° F. in a water-jacket surrounding said engine, a substantially homogeneous liquid composition composed essentially of a preponderant proportion of xylol, a subordinate proportion of diacetone alcohol, and a substantial proportion of mineral lubricating oil; the amount of said composition thus poured into said air-intake of said engine being not less than about a quart and said engine running at sufficiently brisk pace to suck substantially said entire amount into said combustion chambers before being "drowned" or stalled, thereby generating in said combustion chambers of said engine copious mixed vapors of said xylol and diacetone alcohol; allowing said engine to cool sufficiently to condense said vapors and thereby enable the resulting condensates to dissolve and carry said contaminations into said engine crank case and leave a film of said oil lubricant on the walls of the combustion chambers for the resumption of normal operation of the engine; and changing the lubricating oil in said engine crank case.

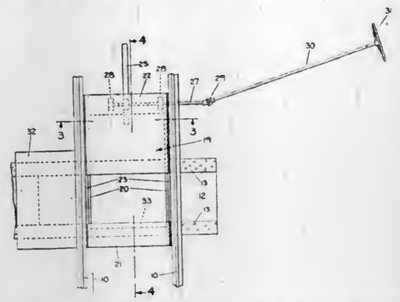
2,251,989
FLAG SUPPORT FOR MOTOR VEHICLES
Marvin E. Dean, Collinsville, Ill.
Application September 14, 1940, Serial No. 356,852
4 Claims. (Cl. 248—39)



3. A radiator grill supporting flag holder for automobiles, comprising a plate body having a portion of one edge formed to provide a tongue, the tongue having an aperture therethrough, said plate body being pressed to provide a channel adapted to receive an elongated element such as a flag staff, a resilient retaining tongue stamped from the plate and extending across said channel in spaced relation with the bottom of the channel, a pair of relatively long arm members having an aperture in each end, one apertured end of each arm being arranged in overlapping relation with said tongue, a securing bolt extending through the aperture of said tongue and through the apertures of the overlapping ends of the arms and securing the arms in divergent relation, and a bolt member extending through the aperture in the other end of each arm and formed for engagement with an element of the vehicle grill to secure the said other end of the arm to the grill element, the arms coacting to support the plate member in vertical position in front of the grill.

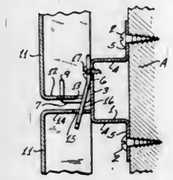
2,251,990
MATERIAL UNLOADING SYSTEM
Frank De Young, Chicago, Ill.
Application October 26, 1939, Serial No. 301,465
1 Claim. (Cl. 214—44)

Apparatus of the class described comprising car rails, a pit below said rails, means for supporting material discharged from a car between said rails, including a control valve adapted to control the discharge of material from said supporting means to said pit comprising a stationary plate extending between said rails and a movable plate also extending between said rails which when moved



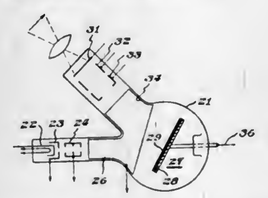
to valve opening position forms a substantially continuous opening from one rail to the other.

2,251,991
SUPPORTING STRUCTURE FOR PORCELAIN ENAMELED PANS
Alphonse E. Fellner, Belleville, Ill., assignor to Porcelain Structures, Inc., Belleville, Ill., a corporation of Illinois
Application January 25, 1940, Serial No. 315,518
2 Claims. (Cl. 189—88)



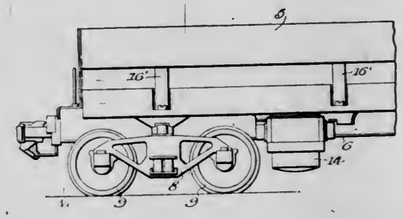
1. In a device of the character described, a series of sheet metal pans adapted to be decorated on one surface thereof, inturned, slotted side edges on said pans, a series of tracks longitudinally alined with each other and having a horizontal row of perforations along the upper sides of the tracks, supporting devices removably supported in various perforations on said tracks, the supporting devices entering slots in one of the side edges of said pans for supporting said pans, and a swinging latching clip removably supported on said tracks for entering a slot in another of the side edges of said pans for securely holding said pans in position on said tracks.

2,251,992
PICTURE TRANSMITTER TUBE
Leslie E. Flory, Oaklyn, and George A. Morton, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 15, 1938, Serial No. 213,740
6 Claims. (Cl. 250—153)



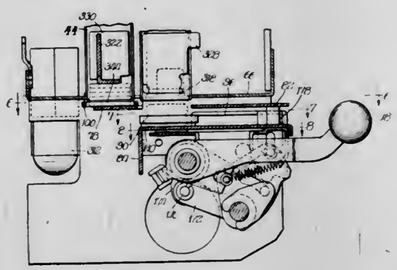
6. In a cathode ray picture transmitter tube, means for producing an electron beam, a screen structure so positioned that its front side may be scanned, said screen structure comprising a continuous conducting surface and a layer of discrete powder particles of insulating material on the front side of and directly in contact with said conducting surface, said layer of powder being substantially nonconducting when being scanned by said beam and also when light is projected thereon, whereby there may be electrostatic storage.

2,251,993
DUMP VEHICLE
Henry Fort Flowers, Findlay, Ohio
Original application July 21, 1937, Serial No. 154,891, now Patent No. 2,200,271, dated May 14, 1940. Divided and this application April 13, 1940, Serial No. 329,558
8 Claims. (Cl. 105—272)



1. In a dump vehicle, an underframe, a dump body, means for pivotally supporting the body to permit dumping, and interengaging rocker and bracket means carried respectively by the body and the underframe for supporting the body in rolling contact during dumping in conjunction with said pivotal support, the engaging faces of said rocker and bracket being so shaped and cooperatively disposed that they contact inwardly of the pivotal center of dumping during the first portion of dumping and outwardly of said center of dumping during the last part of the dumping.

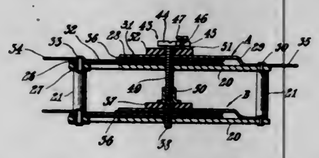
2,251,994
SELECTIVE GUM VENDING MACHINE
William P. Gallagher, Chicago, and Ernest H. Thompson, Winnetka, Ill., assignors to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware
Application October 19, 1939, Serial No. 300,120
13 Claims. (Cl. 312—67)



1. In a machine of the character described, in combination, a front bank of storage magazines with spaces therebetween disposed substantially parallel to the front side of the ma-

chine, a second bank of storage magazines disposed behind the front bank, a dispensing device for each storage magazine, a plurality of external controls disposed along one side of the machine, one external control for each dispensing device, actuating means connecting certain external controls to the dispensing devices of storage magazines in the front bank, and other actuating means disposed in the spaces between the magazines in the front bank and connecting other external controls to the dispensing devices of storage magazines in the second bank.

2,251,995
ELECTRICAL DEVICE
Frank W. Godsey, Jr., North Adams, Mass., assignor to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
Application August 5, 1938, Serial No. 223,299
5 Claims. (Cl. 175—41.5)



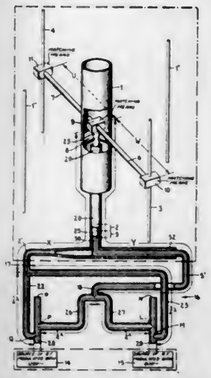
3. In a stacked condenser including an adjustable electrode and a base, adjustment means for said condenser, said means comprising a bolt threadedly engaging said base and having a head, the electrode being disposed between said head and said base, a threaded member engaging said bolt head and adapted to spacedly fix said head and said electrode.

2,251,996
PROCESS FOR MAKING ANESTHETIC BASES AND INTERMEDIATES
Samuel D. Goldberg, Forest Hills, N. Y., assignor to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application June 15, 1938, Serial No. 213,931
5 Claims. (Cl. 260—472)

2. A process for producing an anesthetic base which comprises reacting a mono alkyl aniline with ethylene oxide to obtain the corresponding alkyl hydroxy ethyl aniline, nitrosating the alkyl hydroxy ethyl aniline, treating the nitrosated material with caustic to form mono alkyl amino ethanol, combining a nitro benzoyl halide compound with said ethanol to form a mono alkyl amino ethyl nitro benzoate, and reducing the resulting compound to form a mono alkyl amino ethyl amino benzoate.

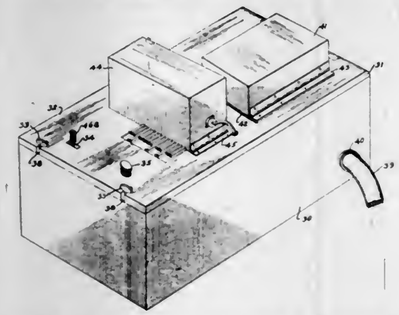
2,251,997
DIRECTIONAL RADIO SYSTEM
Joachim Goldmann, Berlin-Wilmersdorf, Germany, assignor to International Telephone Development Co., Inc., New York, N. Y., a corporation of Delaware
Application October 22, 1938, Serial No. 236,453
11 Claims. (Cl. 250—11)

1. A directional antenna array comprising first antenna means symmetrically disposed with respect to a desired course line, second antenna means comprising an antenna element on each side of said course line, said elements being spaced apart more than $\frac{5}{8}$ of a wavelength at the operating frequency, and two translating means separately coupled in like phase relation to said antenna means and in different phase relation to



said antenna elements to produce radiant action in accordance with two overlapping patterns.

2,251,998
ACCOUNTING MACHINE
Charles J. Goodale, North Easton, Mass.
Application March 13, 1937, Serial No. 130,664
15 Claims. (Cl. 234—1.5)

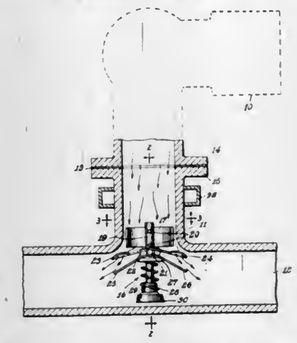


1. In an accounting machine, a record comprised of item entries in one field and representations in various positions in a second field indicating the classification of said item entries, means for moving said record through said machine, a sensing means for said record, a sensitized film positioned beneath the record and in contact therewith, a step-by-step mechanism for feeding said film, a flash lamp and circuits for controlling the same under control of the sensing means whereby rays from said lamp may impinge upon said record and thereby transfer images of items thereon to said film, and control means to effect the feeding of the film after each transfer of an image.

13. In a record controlled machine employing records comprised of item entries and representations in various positions indicating the classification of said item entries, a sensing means including a source of light, photoelectric means spaced apart from said light, a plurality of slidable members each having an aperture formed therein, said members being positioned between said light and said photoelectric means and having their apertures normally covered and adapted to be uncovered when moved to an advanced position whereby a representation in the record traversing the advanced members may control

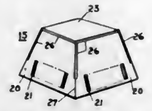
the light passing from said source to said photoelectric means, and means for moving said record along a path across said members.

2,251,999
VAPORIZER FOR AUTOMOTIVE MECHANISMS
John Greco, Brooklyn, N. Y., assignor of forty-nine per cent to Ferdinand Savignano and Angelo Graziano, both of Brooklyn, N. Y.
Application April 8, 1940, Serial No. 328,543
9 Claims. (Cl. 123—141)



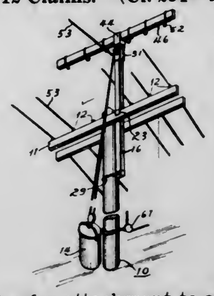
4. A fuel vaporizing device for internal combustion engines comprising a support and means for mounting said support in co-axial relation with the inlet neck of an engine intake manifold, a plurality of divergently related perforated members connected at one of their ends to said support, extending radially in opposite directions therefrom and adapted to contact at their other ends with the inner surface of the manifold wall, and a fluid flow directing member in opposed spaced apart relation to each of said perforated members, connected at one of its ends to said support and adapted to extend therefrom in non-contacting relation with the manifold wall and with its other free end extending longitudinally of the manifold flow passage and terminating adjacent to the axis thereof.

2,252,000
METHOD OF MAKING BUBBLE CAPS
William R. Grunow, Harrison Township, Allegheny County, Pa., assignor to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
Application September 22, 1937, Serial No. 165,062
1 Claim. (Cl. 113—116)



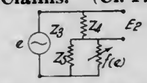
A method of making a bubble cap composed of a plurality of trapezoidal side pieces and a completing top piece with minimum scrap production which comprises the steps of producing a strip of suitable metal of indeterminate length and having a width equal to the slant height of the bubble cap, severing said strip in such manner as to produce therefrom a plurality of trapezoidal pieces, adjacent edges of each pair of such pieces being formed by a single cut, forming openings in each such piece substantially simultaneously with the severing thereof, assembling the necessary number of pieces into a frusto-pyramidal bubble cap and welding the pieces together except at the lower corners thereof.

2,252,001
SUPPORTING AND HOISTING DEVICE
Carl Eric Gullberg, Fredonia, N. Y.
Application March 20, 1940, Serial No. 325,083
12 Claims. (Cl. 254—139)



1. A device for attachment to an upright comprising a bar, means for rigidly securing said bar to said upright in a position to serve as an extension thereof, a cap member on one end of said bar, said member mounting a pulley, and a transversely disposed arm joined to said member, said arm and said cap member cooperating to form a cable guard for said pulley.

2,252,002
TELEPHONE AND OTHER ELECTRIC WAVE TRANSMISSION SYSTEMS
Reginald John Halsey, Radlett, England
Application January 11, 1940, Serial No. 313,353
In Great Britain January 24, 1939
5 Claims. (Cl. 178—44)



1. An electric wave transmission system including a device comprising an input circuit of impedance Z_1, a variable impedance device included, in series with a constant impedance Z_2, in shunt to said circuit, a further device connected to said first device and having input circuit of impedance Z_3 an output circuit of impedance Z_4 and a variable impedance device of the same law of variation as said first variable impedance arranged, with an impedance Z_5 in parallel therewith, in series in the transmission path through said second device, and means for controlling said variable impedances in accordance with the amplitude of signals passing through the system wherein the said impedances are substantially in accordance with the relations:

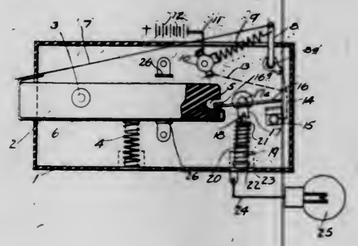
$$Z_5 = Z_1 + Z_2$$

$$Z_2 = \frac{(Z_3 + Z_4)Z_5}{Z_3 + Z_4 + Z_5}$$

2,252,003
FLASHER
Luther R. Harmon, Chicago, Ill., assignor to Patterson Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 24, 1939, Serial No. 286,085
11 Claims. (Cl. 200—113)

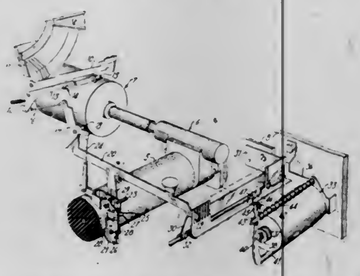
9. In a flasher, a pivoted lever having a bifur-

cation in one end, an electrical conductor carried by said lever and having one end extending into said bifurcation and forming a contact portion therein, a stationary contact spaced from said bifurcation, a switch lever pivoted intermediate its ends and having one end extending into said



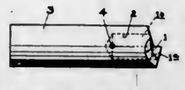
bifurcation for engaging said contact portion and having its other end in operative relation with said stationary contact, means for moving the first mentioned lever for initiating the movement of said switch lever and snap acting means for completing the movement of said switch lever for the purpose set forth.

2,252,004
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 23, 1939, Serial No. 310,775
3 Claims. (Cl. 197—17)



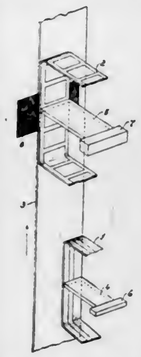
3. A typewriter having a main-frame, type-key-levers, a power roll, an electric motor for driving the power roll, and type operators becoming operatively connected to said roll in response to depression of corresponding key levers; in combination with a key-lever-locking mechanism comprising a transverse locking plate rockably supported for movement into and out of locking relation with said key levers, a spring normally maintaining said plate in locking relation, a lever pivoted on the main-frame for moving said locking plate to ineffective position; and an electro-mechanical operating unit for said lever disposed forwardly of said locking plate, comprising a base attached to said main-frame, an electro-magnet fixed to said base, a second lever separably articulated to the first said lever and carrying an armature attractable by said magnet, and a spring tending to move said armature-lever away from said magnet; a circuit being provided to supply current jointly to the motor and said magnet so that said magnet is energized to move said locking plate to ineffective position only when said motor is energized.

2,252,005
CUTTING TOOL
Alfred E. Hintermeyer, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application September 2, 1938, Serial No. 228,189
4 Claims. (Cl. 29—95)



1. In a cutting tool, a holder having a cylindrical recess positioned axially therein and of substantially uniform cross-section throughout its depth, and a tool bit and a filler block in said recess, said block and bit being each substantially uniform in cross-section throughout its length and together corresponding substantially in cross-section to the recess.

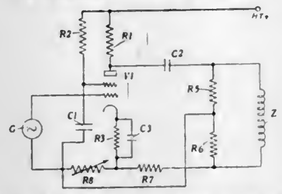
2,252,006
SOUND-PICTURE FILM AND METHOD OF PRINTING THE SAME
Gilles Holst, Roelof Jan Hendrik Alink, and Klaas Jannes Keuning, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 6, 1939, Serial No. 249,656
In Germany January 8, 1938
4 Claims. (Cl. 95—5)



1. A method of producing a positive film having a picture portion and a variable-area sound portion which are provided photo-chemically and a gamma value suitable for a sound track, comprising the steps of passing light through the sound portion of a negative directly onto the sound portion of the positive, passing light through the picture portion of the negative and then through a grating separate from the positive and located in contact with the surface of the picture portion thereof, and developing the positive film.

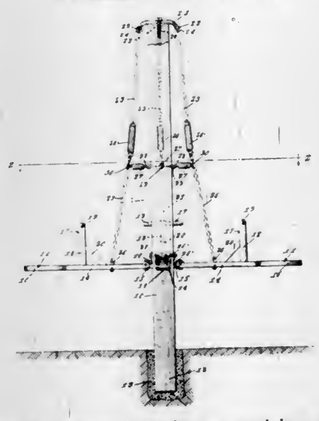
4. In an apparatus for printing sound and pictures on a positive film having a sound portion and a picture portion and a gamma value suitable for a sound track, a stationary grating separate from the positive film and in close contact with the surface of only the picture portion thereof, means to pass the sound-copying light directly upon the sound portion of said film, and means to pass the picture-copying light through said grating and upon the picture portion of the film.

2,252,007
THERMIONIC AMPLIFIER
Bent Bülow Jacobsen and Alleman Holly Roche, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application April 5, 1939, Serial No. 266,128
In Great Britain April 23, 1938
4 Claims. (Cl. 179—171)



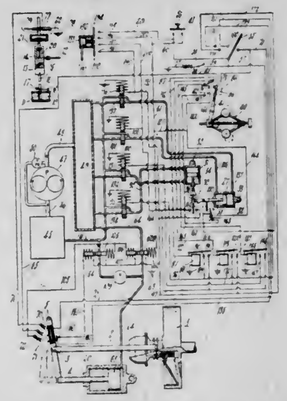
1. An amplifier system comprising a tube having a cathode, an anode, a control grid and another grid, an input circuit of relatively high impedance connected between said control grid and said cathode, means for applying to said control grid through said input circuit a negative feedback voltage and means for applying to said other grid through a substantially negligible impedance a negative feedback voltage of substantially 180° phase shift with respect to the signal voltage applied to said control grid, whereby the stability of said amplifier is improved.

2,252,008
SEESAW
Phillip A. Joncas, Minneapolis, Minn.
Application December 19, 1939, Serial No. 310,047
2 Claims. (Cl. 272—54)



1. An amusement device comprising an essentially tall vertically arranged support; a seat hingedly secured to the support adjacent the bottom thereof for swinging movement in a vertical plane whereby the greater part of the support extends thereabove; a flexible link member depending from the upper extremity of said support; another flexible link member secured to the seat at a point spaced from the support; spring means connecting the free ends of the links and holding the same tautly stretched in an essentially vertical position whereby downward swinging of the seat will be substantially directly yieldingly resisted by the spring means; and another and lighter spring connecting the first spring to the support in a manner to permit the first spring to move in a direction away from the support by yieldingly resisting such movement to prevent the first spring from swinging outwardly and striking a person positioned on the said seat.

2,252,009
VEHICLE CONTROL SYSTEM
Douglas H. Kenny, Boston, Mass., assignor of forty-nine one-hundredths to Morris Nadell, Boston, Mass.
Application September 20, 1938, Serial No. 230,894
10 Claims. (Cl. 192—.01)

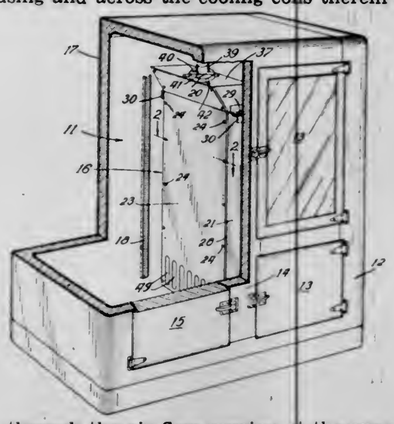


1. A control system for a vehicle having a motor, a propeller shaft, change gear mechanism between said motor and shaft, and a main clutch interposed between said motor and shaft, said system including a speed responsive means connected to be driven by said propeller shaft, means driven by said motor for producing fluid pressure, means actuated by fluid from said producing means for shifting said mechanism from one speed ratio to another and for actuating said clutch, means controlled by said speed responsive mechanism for controlling said clutch actuating means to open said clutch, and means rendered operative by the opening of said clutch to render said speed responsive device operative to control said shifting means to shift said change gear mechanism in accordance with the speed of the device and then to actuate said clutch actuating means to close said clutch.

2,252,010
PARTITION COOLING UNIT
Hermann J. Krackowizer, Chicago, Ill.
Application October 30, 1939, Serial No. 301,883
7 Claims. (Cl. 62—102)

7. In a refrigerator, the combination with an enclosure having a cooling compartment, of a self-contained combined partition and cooling unit within the compartment and dividing the same into opposite sections and comprising cooling coils, an upright housing flared outwardly and upwardly and provided in its top wall with an air flow opening of greater width than that of the unflared housing portion, the walls of the housing forming a channel enclosing said coils and constructed to direct a current of air from said opening across the coils, opposite side walls of the housing having air flow openings at the bottom of the housing, the top of the housing terminating short of the top of the cooling compartment, a blower mounted upon the top wall of the housing in position to affect a flow of air from opposite sides of the housing and into the housing

through the air flow opening at one end of the housing and across the cooling coils therein and



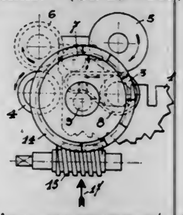
out through the air flow opening at the opposite end of the housing.

2,252,011

DRAFTING ARRANGEMENT FOR SPINNING FRAMES AND OTHER SIMILAR MACHINES

Joseph Eugène Liebaut, Alost, Belgium, assignor to "Filature du Canal, Societe Anonyme," Alost, Belgium, a Belgian company

Application February 1, 1939, Serial No. 254,031
In Belgium February 17, 1938
2 Claims. (Cl. 19—131)



1. In a drafting arrangement for spinning frame comprising between the delivery and feed rollers resilient nips for the sliver each formed by an endless band and at least one roller arranged intermediate the pressure rollers of the delivery and feed rollers, in combination a continuous rod extending the whole length of the frame, a single control for the said rod whereby it is possible to operate simultaneously on the lower part of all the endless bands so as to vary the distance apart between the said continuous rod and the said intermediate roller arranged between the pressure rollers of the delivery and feed rollers and to vary to the same degree the pressure of each belt against the corresponding roller forming the resilient nip with this belt, the single control of the said continuous rod being formed by a worm wheel provided with a boss mounted in the end head and longer than the bosses arranged in the apertures in the other heads, this worm wheel being operated by a worm.

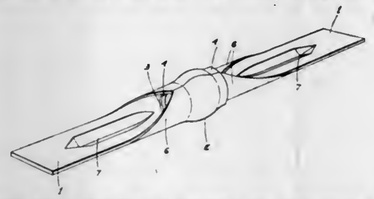
2,252,012

INSULATED PANEL BRACE

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California

Application August 23, 1939, Serial No. 291,552
2 Claims. (Cl. 189—34)

1. A brace unit comprising a pair of relatively long generally flat bendable strips adapted to be disposed in alined relation, a substantially cylindrical hollow head formed on one strip at one end thereof and whose axis extends lengthwise of the strip, said head having an annular enlargement intermediate its ends, a sleeve sym-



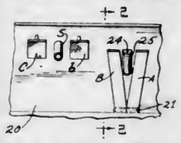
metric with the head formed on one end of the other strip lengthwise thereof and bent about the head in surrounding and clearance relation thereto and so that the strips extend in opposite directions, and a liner of heat insulating material surrounding the head and filling the space between the head and sleeve.

2,252,013

PEDAL CONTROL AND SPACER FOR POWER AND BRAKE SYSTEMS OR THE LIKE

Mathias Leupold, Jamaica, N. Y.

Application September 28, 1939, Serial No. 296,894
10 Claims. (Cl. 74—512)



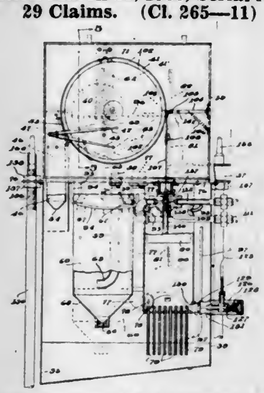
1. In a control system of the character described, a floor board, a plurality of pedals arranged in adjacent relationship on the floor board, a spacer member fixed to the floor board arranged between each two adjacent pedals, said spacer members being entirely separate and disconnected from the pedals and comprising a roller arranged to roll crosswise of the pedals.

2,252,014

INSTRUMENT FOR INDICATING AND RECORDING THE WEIGHT AND VISCOSITY OF SLUSH USED IN ROTARY DRILLING OF WELLS

James A. Lupfer, Tulsa, Okla.

Application March 25, 1936, Serial No. 70,896
29 Claims. (Cl. 265—11)



1. In an instrument for indicating and record-

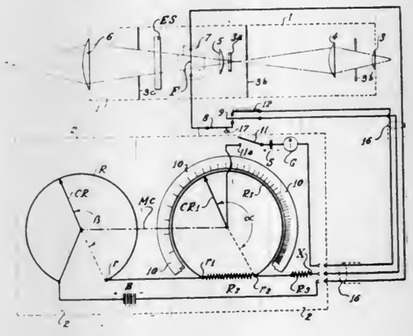
ing the weight and viscosity of slush used in rotary drilling of wells, the combination with means for weighing slush, means for measuring the viscosity of the slush, indicating means connected to said weighing means and said viscosity measuring means, of automatic means for rendering said indicating means inactive upon flow of less than a predetermined quantity of liquid through the instrument.

2,252,015

OPTICAL PYROMETRY

Raymond C. Machler, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 28, 1938, Serial No. 198,450
23 Claims. (Cl. 88—22.5)



1. The combination with an optical pyrometer system for measuring true temperatures of non-black bodies comprising a standard of known brilliance-temperature characteristic, means for matching, through optical paths from the eye to said standard and a non-black body, the observed brilliance of said standard with a brilliance dependent upon the temperature of said non-black body, one of said optical paths having at least a portion which is independent of the other of said paths, and a temperature scale calibrated from a body of known coefficient of emissivity at various known temperatures, of means rendering said scale correct for reading therefrom non-black body temperatures comprising means adjustable to vary the transmission per unit area of the cross-section of said independent portion of said one of said paths so to compensate for the differences from aforesaid known coefficient of emissivity of the different coefficients of emissivity of the various non-black bodies whose temperatures are to be measured.

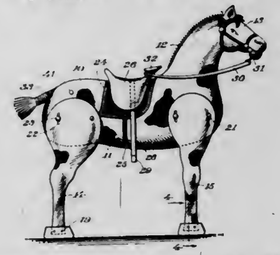
5. An optical pyrometer system including a pyrometer lamp whose filament is viewed concurrently with an incandescent body, a source of current for heating said filament, a potentiometer having an adjustable element, connections for including said potentiometer in circuit with said filament, means adjustable to vary the filament-heating current which traverses said potentiometer, a source of known fixed voltage, connecting means for balancing against said known voltage a fraction of voltage derived by said potentiometer from said filament-heating current and which fraction is determined by the setting of said adjustable element, and a scale associated with said adjustable element of said potentiometer.

2,252,016

WALKING HOBBYHORSE

Carl Joseph Markowski, Lewiston, Idaho

Application July 3, 1940, Serial No. 343,886
6 Claims. (Cl. 272—53)



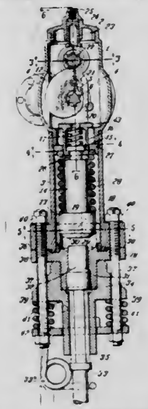
1. A toy comprising a body, legs arranged at the opposite ends of the body, said legs projecting a substantial distance below the body and extending downwardly and outwardly relative thereto, pivots extending from the body and connecting with the legs at one side of their central longitudinal axes, and pins extending from the body and into arcuate slots provided at the opposite side of the central longitudinal axes of the legs, said legs being independently freely swingable relative to the body whereby leaning of the body from side to side will effect a forward movement thereof.

2,252,017

MECHANICAL TRIP HAMMER

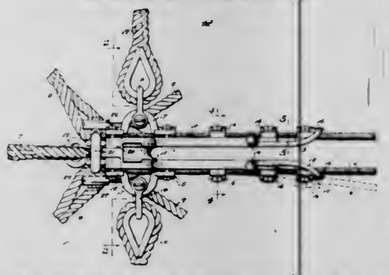
Harold E. McCrery, Dayton, Ohio, assignor, by direct and mesne assignments, of one-half to Master Vibrator Company, Dayton, Ohio, a corporation of Ohio, and one-half to The Master Electric Company, Dayton, Ohio, a corporation of Ohio

Application July 24, 1939, Serial No. 286,154
13 Claims. (Cl. 125—33)



5. A trip hammer mechanism including a reciprocable tool, a spring projected hammer for actuating said tool, a mechanism for moving the hammer away from the tool against the action of its spring and then releasing the same for projection by said spring, and a normally expanded cushioning spring operatively interposed between said hammer and said mechanism and movable in expanded form with said hammer during the tool actuating stroke of the latter for absorbing rebound shock of said tool following each actuation thereof by said hammer.

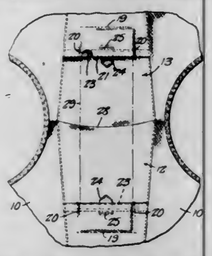
2,252,018
HATCH TENT
Marion L. McHugh, Kent, Wash., assignor to Seattle Tent & Awning Co., Seattle, Wash., a corporation of Washington
Application April 2, 1940, Serial No. 327,538
18 Claims. (Cl. 135—6)



8. An end-block for the ridge slot of a hatch cover of the described character, said block having a U-shaped plan configuration and being characterized in that the legs of the U are hingedly mounted to permit the same to swing outwardly by pressure influence of a cargo line working in the slot.

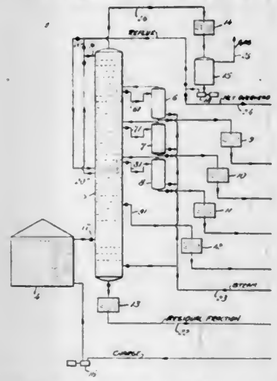
18. In the attachment of guarding cable to the end-block of a ridge-slotted hatch cover of the described character, a pair of spaced-apart cable-clamping caps formed as a unit with a connecting strap therebetween, the strip acting as a bridle to accommodate the attachment of a supporting line to the end-block.

2,252,019
GARMENT
Ruth Meinecke and Antoinette Mitchell, Ridgewood, N. J.
Application May 27, 1940, Serial No. 337,507
2 Claims. (Cl. 128—291)



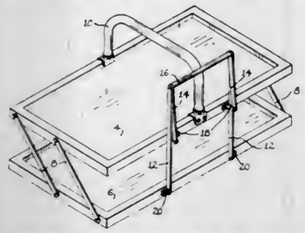
2. In an article of manufacture having a waist band, the improvement comprising front and rear panels depending from the waist band and each consisting of an inner and outer layer of material, the respective layers of the said panels having the lower edges thereof connected to each other to form a crotch line, the side edges of the panels extending rectilinearly from the crotch line to the waist band and the inner layer of each panel having transverse slits arranged in proximity to the said crotch line for receiving the ends of a sanitary napkin extending between the slits and resting on the said inner layers of the panels, the connecting ends of both the inner and outer layers being arcuately curved to provide a concave crotch whereby substantially the entire crotch portion of the panels will be transversely arched to hold the material of the panels and the napkin in snug fitting conformity with the body, the arrangement being such that the waist band will act uniformly on both layers of the panels to hold the same tautly stretched whereby to prevent the formation of folds or wrinkles therein.

2,252,020
DISTILLATION OF HYDROCARBONS
William Mendius, Munster, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application May 11, 1938, Serial No. 207,319
5 Claims. (Cl. 196—94)



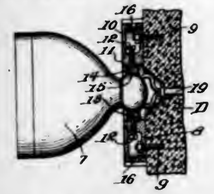
1. In the fractionation of petroleum stocks in towers into which a stream of the stock is discharged after being heated to a temperature sufficient to vaporize a substantial part of the stock under the pressure prevailing in the tower, the improvement which comprises refluxing the tower by reintroduction at a point below that at which it is withdrawn of a liquefied fraction withdrawn from the tower, said fraction being cooled, and passing the cool fraction in indirect heat exchange with the vapors and liquids flowing through the tower in a region below the point at which it is reintroduced after it is withdrawn and before it is reintroduced.

2,252,021
DISPLAY BASKET
John T. Morehouse, Methuen, Mass.
Application August 13, 1938, Serial No. 224,763
5 Claims. (Cl. 206—44)



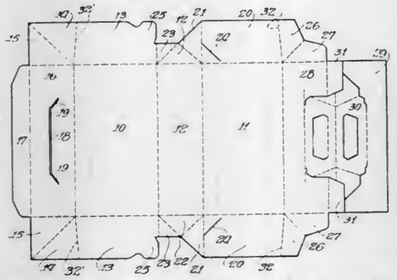
1. A display basket comprising a plurality of trays arranged one above the other, parallel link connections supporting the trays one above the other in spaced relation to permit the advance of the lower of said trays forwardly in stepped relation to the upper of said trays, a handle for the basket secured to the upper of said trays and extending over the center portion thereof, and actuating mechanism for said basket comprising a pair of toggle links of unequal length pivoted to one another, the shorter of said links being pivotally connected to the rear side of the upper of said trays, and the longer of said links being pivotally connected to the rear side of the lower of said trays, a manually operable member supported by said links and located for movement therewith in a vertical plane extending transversely through the center portion of the basket and rearwardly thereof, the arrangement of said member and links being such that for a relatively raised position of the member the trays are superimposed one above the other, and for a depressed position of the member the lower tray is advanced from beneath the upper tray in stepped relation thereto, while said basket is supported solely by said handle and said member.

2,252,022
HIGHWAY LIGHTING SYSTEM
Edward Morris and Allison E. Jones, San Jose, Calif.
Application August 18, 1939, Serial No. 290,915
3 Claims. (Cl. 240—25)



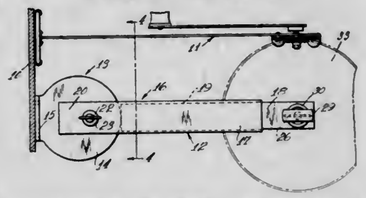
1. In a highway lighting system, the combination with a highway having a raised central portion, standards rigidly mounted on said raised portion and having oppositely facing sides substantially perpendicular to the center line of the highway, plates secured on said sides of the standards and having an outwardly extending flange, combined bulb socket and reflectors having spherical inner ends within the flanges, set screws radially adjustable in said flanges and adapted to engage the spherical inner ends of the combined bulb socket and reflectors, and a cover plate on said flanges and removably supported thereby.

2,252,023
BOX
Ersel C. Mulnix, Chicago, Ill.
Original application December 12, 1936, Serial No. 115,551. Divided and this application March 7, 1938, Serial No. 194,240
4 Claims. (Cl. 229—41)



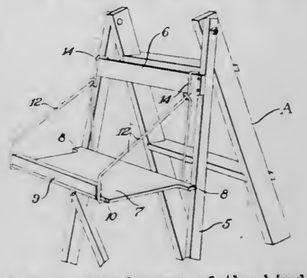
1. A box comprising an outer and inner box member swingingly connected together to cause the outer member to swing over the inner member to close the box, said outer member being substantially the full height of and substantially enclosing said inner member, the side of the inner member opposite the swinging connection being inwardly inclined from its bottom to its top and the corresponding side of the outer member being substantially perpendicular to its top.

2,252,024
CAN OPENER ATTACHMENT
William V. O'Brien, Fortuna, N. Dak.
Application June 15, 1939, Serial No. 279,364
1 Claim. (Cl. 30—3)



An attachment for use with can openers of the type including a supporting arm secured to a vertical supporting surface and having means carried by its free end for engaging a can rim to revolve the can and means for cutting out the can top as the can is revolved; said attachment comprising a bracket having a horizontally disposed base portion, an arm formed of slidably connected sections, the free end of one of the sections being pivotally mounted on said base portion to mount the arm to swing in substantially a horizontal plane, a plunger slidably and turnably mounted in the free end of the other section, a punching element connected to the depending end of said plunger, said punching element being relatively wide and thin and being provided with tapered cutting edges forming a point at the lower end of said punching element, shoulders at the upper end thereof, a head mounted on the opposite end of said plunger, expansion spring means disposed between said head and arm, said plunger being depressible to cause the punching element to pierce the center of a can top and turnable to position the punching element at an angle to the opening thus formed for engaging under the can top while the can is revolved, for severing the top, and said top being raised from the can by the plunger when severed therefrom.

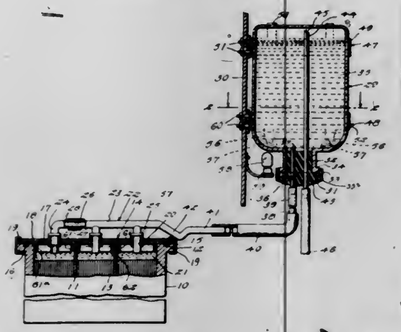
2,252,025
SHELF ATTACHMENT FOR LADDERS
Chris Olson, Muskegon, Mich.
Application January 30, 1940, Serial No. 316,452
2 Claims. (Cl. 248—238)



1. A ladder attachment of the kind described comprising a board-like section forming a shelf, frame-like hangers swingably connected to the bottom of said section for movement about the ends thereof to upstanding or folded position and adapted to saddle the said section when in up-

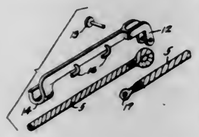
standing position above the shelf, hook terminals on said hangers, lateral extensions at opposite ends of the said section for abutment with a support when the hangers have the terminal hooks engaged therewith, and a rail carried by said section for the engagement of the hangers with opposite ends thereof when in upstanding position to limit the inward movement thereof.

2,252,026
AUTOMATIC BATTERY LIQUID FILLER
Emil Oettinger, Chicago, Ill.
Application July 27, 1935, Serial No. 34,895
Renewed August 23, 1939
5 Claims. (Cl. 136—162)



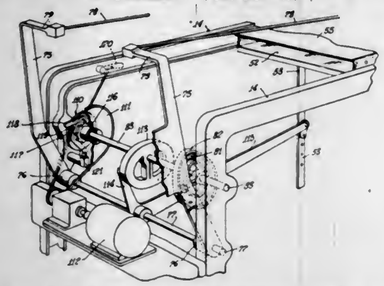
5. In a battery including a casing divided into cells, a cover closing the casing, a reservoir, a manifold tube over the cover and having tubular extensions leading into said cells, a pipe connection between the reservoir and the manifold, and a substantially V-shaped trap tube joining the pipe with the manifold.

2,252,027
CLAMP FOR NONSKID DEVICES
Clement Pasquarella, Jr., Ridgefield, Conn.
Application July 9, 1940, Serial No. 344,575
1 Claim. (Cl. 24—70)



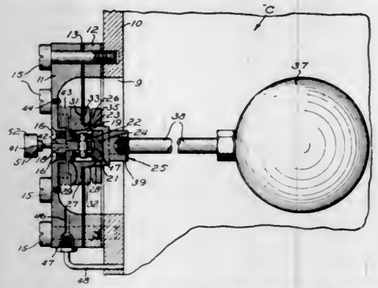
A clamp for connecting together end portions of a flexible side member of a non-skid device, said side member having an eye at each end thereof, said clamp comprising a lever, a fork at one end of the lever providing a pair of prongs, free end portions of said prongs being bent at right angles to the other parts of the prongs and the extremities of the bent portions having perforations therein, a pivot pin passing through the perforations of the prongs and through the eye at one end of the member, the other end of the lever having a laterally extending hook connected to one side edge thereof with the hook of somewhat more than a semi-circular shape to frictionally receive a portion of the side member adjacent that end to which the lever is pivoted, and spaced hooks on intermediate portions of the lever for selectively receiving the eye at the other end of the side member.

2,252,028
PAPER FEED
Charles H. Petskeyes, Davenport, Iowa, and Israel C. Gellman, Rock Island, Ill., assignors to Gellman Manufacturing Company, Rock Island, Ill., a corporation of Illinois
Application February 27, 1939, Serial No. 258,672
8 Claims. (Cl. 93—2)



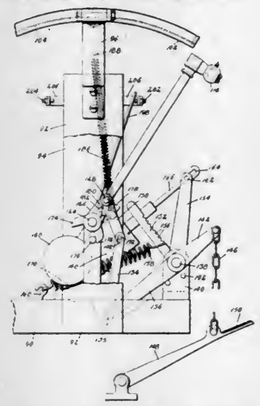
1. In a wrapping mechanism including power drive means, adjustable web feeding means, web severing means, and cyclically operable actuating mechanism therefor arranged to effect the feeding and severing of one strip of webbing of selectively determined length for each cycle of operation of said actuating mechanism, the combination of clutch means arranged for operation to drivingly connect said wrapping mechanism and feed actuating mechanism with said power drive means to effect one complete wrapping operation of said wrapping mechanism, said cyclically operable actuating mechanism being arranged and constructed to complete one cycle of operation and a part of another cycle during each operating cycle of said wrapping mechanism following operation of the clutch means as aforesaid, whereby said webbing may be partly advanced at the completion of each wrapping cycle to prevent the severed portion of said webbing from becoming fixed following each severing operation.

2,252,029
SEALED MOTION TRANSMITTING DEVICE
Oliver T. Pieper, Wilmington, Del.
Application July 5, 1939, Serial No. 282,868
13 Claims. (Cl. 286—29)



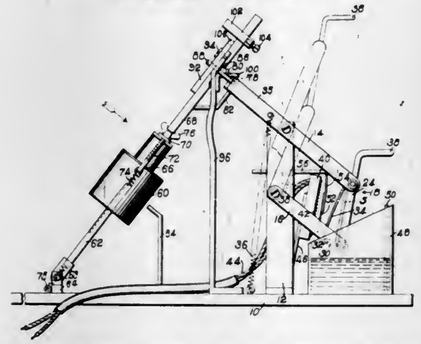
1. In a motion transmitting device adapted for use with a chamber partially filled with a liquid at a pressure which is higher or lower than atmospheric, a lever assembly projecting into said chamber adjacent the level of the liquid and sealed against fluid leakage by a diaphragm, means providing a sealed space between said diaphragm and the atmosphere; means for transmitting motion from said lever assembly through said sealed space to the atmosphere and including means for preventing fluid communication between the latter and said sealed space; conduit means communicating with said chamber above the liquid level therein and with said sealed space, for maintaining in the latter a liquid-free fluid pressure equal to the pressure in said chamber, so as to equalize the pressures on the opposite sides of said diaphragm.

2,252,030
APPARATUS FOR ACTIVATING THERMOPLASTIC CEMENT
John William Pratt and Hubert Boothroyd, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 21, 1938, Serial No. 241,622
In Great Britain December 7, 1937
20 Claims. (Cl. 263—9)



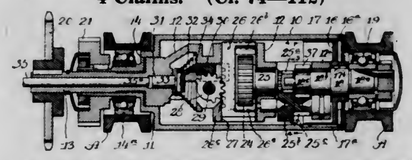
1. In apparatus for heat-activating cement, a grid to support an article to which thermoplastic cement has been applied, a heating device arranged to move to and fro past the grid, means for causing said heating device to move past the grid in each direction, and a single dash-pot arranged to control the rate of movement of the heating device first in one direction and then in the other.

2,252,031
APPARATUS FOR ACTIVATING CEMENT ON SHOE SOLES
John William Pratt and Hubert Boothroyd, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 15, 1939, Serial No. 304,564
In Great Britain December 7, 1938
11 Claims. (Cl. 12—1)



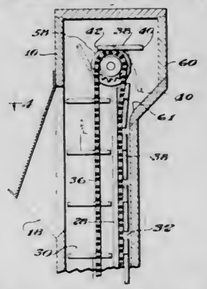
1. Apparatus for subjecting thermoplastic cement on tempered shoe soles to heat activation comprising a heater, a support for the sole, the initial relative positions of the heater and sole support being such that the sole is not heated, means for relatively moving the heater and the support to dispose the sole in heating relation to the heater, means acting after a predetermined time to restore the initial relative positions of the heater and sole support, and means for maintaining the moisture in the sole while it is being heated.

2,252,032
RELEASABLE DRIVING MEANS FOR CONNECTING DRIVING AND DRIVEN MEMBERS
William Russell Redd, Western Springs, Ill., assignor to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware
Original application February 11, 1938, Serial No. 190,130. Divided and this application November 16, 1939, Serial No. 304,726
4 Claims. (Cl. 74—112)



1. A releasable driving means for connecting a driving member and a driven member, comprising a hollow feed roll, a housing mounted in said feed roll and capable of rotative movement with reference thereto, an escapement bar having like teeth at each end reciprocably mounted in said housing, an escapement gear having external teeth with its axis concentric with the axis of said feed roll and being normally engaged by one end of said escapement bar and normally disengaged by the other end thereof, said escapement gear being capable of relative rotative movement in said housing, means connecting said escapement gear to said feed roll for rotating said feed roll, and means for reciprocating said escapement bar to slip a tooth to permit a momentary lag of said feed roll.

2,252,033
CONVEYER
Arnold Redler, Stroud, England, assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Application July 19, 1938, Serial No. 219,992
In Great Britain April 10, 1937
3 Claims. (Cl. 198—170)



1. For use in a conveyer for conveying flowable solid material having an enclosing conduit forming a working run and a second conduit forming a return or idle run, an endless conveying ele-

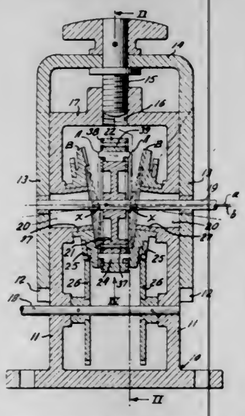
ment arranged to be drawn through said runs having a series of open flights pivotally mounted thereon with portions of the flights projecting beyond opposite sides of the conveying element, said open flights being arranged when in a position transverse to the direction of movement of the conveying element through the working run to cooperate with some of the walls of the conduit forming the working run to effect conveyance of the flowable solid material therethrough in a continuous stream, and means causing said open flights to assume a non-cooperative position substantially parallel to the conveying element and adjacent thereto when the latter is being drawn through the return run.

2,252,034

VARIABLE RATIO TRANSMISSION MECHANISM

Paul Renfrew, Berkeley, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California

Application September 20, 1939, Serial No. 295,779
2 Claims. (Cl. 74—325)



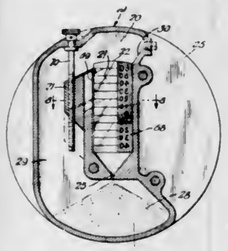
1. In a transmission mechanism of the nature disclosed, a crown-wheel comprising a hub portion having circularly spaced longitudinal grooves formed in its outer periphery, a separate rim portion surrounding and spaced from said hub portion to provide an intermediate concentric space and having circularly spaced longitudinal grooves formed in its inner periphery, said rim grooves being circularly staggered relative to said hub grooves, a continuous series of independent longitudinally slidable driving plates radially disposed in said space and projecting therefrom to form a crown-gear, each of said plates having a stop wing along one longitudinal edge thereof and the several plates being arranged in adjacent groups with plates of the alternate groups having their stop wings disposed in the respective hub grooves and the plates of the intermediate groups having their stop wings disposed in the respective rim grooves, separate means on said hub and rim portions disposed for engagement by said stop wings to limit the sliding movements of the respective driving plates, a bevel gear journaled adjacent said crown-wheel in an angled position for constant intermesh with said crown-gear only on one side of its axis to actuate said crown-gear driving plates in conformity with the tooth and tooth space shapes of the bevel gear, and means for causing relative movement between said crown-wheel and said bevel gear to vary the pitch of such intermesh whereby to vary the driving ratio produced by said gears.

2,252,035

PARKING METER

David C. Rockola, Chicago, Ill., assignor to National Park-O-Graf Corporation, Chicago, Ill., a corporation of Illinois

Application May 14, 1937, Serial No. 142,551
2 Claims. (Cl. 161—15)



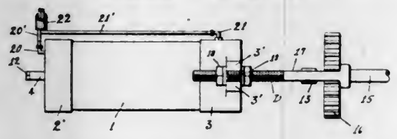
1. In a parking meter a rotatable container for mobile material, a timing receptacle therein having an open upper end and a constricted port at the lower end through which such material can flow into the container within a predetermined interval constituting a parking period, said receptacle being secured to an inner wall of the container and cooperating therewith to define a passage extending from beneath said receptacle along one side thereof and over the upper end thereof whereby upon rotation of the container and receptacle the material in the lower portion of the container is caused to flow along said passage and to be directed thereby into said open end of the receptacle, and means comprising an adjustable wall portion for said receptacle for varying the material holding capacity of said receptacle.

2,252,036

HYDRAULIC PULLING AND PRESSING TOOL

James E. Rummer, Wichita, Kans., assignor of forty-five per cent to Henry M. Powell, Wichita, Kans.

Application June 21, 1939, Serial No. 280,279
2 Claims. (Cl. 29—86)



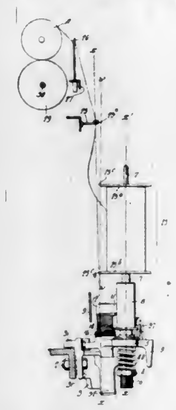
1. In a hydraulic pulling and pressing tool, in combination with a cylinder comprising a shell and an axially bored head to close each end of the shell, a hollow rod and a piston, secured to the rod, to engage in the shell reciprocatingly, of a solid rod positioned in the hollow of the piston rod and adapted to turn therein, the said solid rod having a coupling element on one end and a nut on the other end as turning means for the solid rod, and the said coupling and nut operating to avoid longitudinal movement by the solid rod in the hollow rod as the coupling carries the load, means to admit fluid into the cylinder adjacent each head alternately, and packing means to render the cylinder fluid tight at the bore of each head of the cylinder.

2,252,037

SWING BRACKET FOR TWISTER AND WINDER SPINDLES

Otto W. Schaum, Philadelphia, Pa., assignor to Fletcher Works, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

Application November 22, 1940, Serial No. 366,763
10 Claims. (Cl. 57—89)



1. In a twisting, winding and similar machine, a yarn package spindle normally arranged with its axis in one vertical position, and means supporting said spindle for movement into a second vertical position with its axis in upwardly diverging angular relation to said normal position of said axis.

2,252,038

PRODUCTION OF HAIRY YARN

Frank Rue Scull, Scarsdale, N. Y., assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 5, 1938, Serial No. 233,411
17 Claims. (Cl. 57—157)

1. In a process in which yarn comprising substantially continuous cellulose acetate filaments is subjected to abrasion to rupture the filaments at intervals along the yarn and impart pubescence thereto, the improvement which comprises twisting the yarn after it has been abraded and applying thereto a non-lubricating tacky fluid capable of imparting to the filaments a coefficient of friction of at least 0.4.

2,252,039

PROCESS OF RENDERING TEXTILES WATER REPELLENT

Erik Schirm, Dessau, Anhalt, Germany, assignor, by mesne assignments, to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Application June 26, 1937, Serial No. 150,546. In Germany June 30, 1936
8 Claims. (Cl. 8—113)

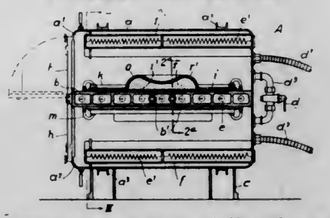
1. The process of rendering fibrous materials water-repellent which comprises heating the fibrous material with a compound of high molecular weight containing a hydrocarbon group of at least 8 carbon atoms and a group having an oxygen atom joined to two adjacent linked carbon atoms, at a temperature above about 100° C. until water-repellence occurs in said fibrous material.

2,252,040

VENEERING PRESS AND THE LIKE

Adolf Fischer-Schmutz, Basel, Switzerland

Application June 28, 1938, Serial No. 216,383
In Switzerland July 7, 1937
3 Claims. (Cl. 144—281)



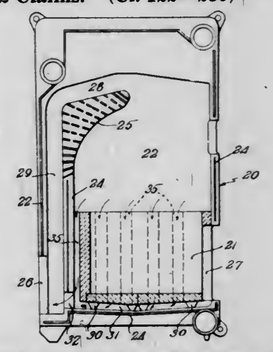
1. A pressing apparatus of the character described comprising a drum rotatable on a horizontal axis, a flat transverse diametrically-extending partition in said drum dividing the latter into two separate hermetically-closable chambers, heating means located in said partition, valve-controlled conduit means for independently and alternately interconnecting each of said chambers with a source of air under pressure, a valve-controlled conduit interconnecting said two chambers, work-supporting means for each said chamber adapted to be seated on the respective faces of said partition, said supporting means including a base plate, a flexible mat of air-impervious material covering the work, a frame for pressing the margins of said mat against said base plate and a clamping device for securing said base plate and frame together, and a table with the surface of which the respective faces of the partition can be brought into flush relationship by a half revolution of said drum.

2,252,041

FIREBOX

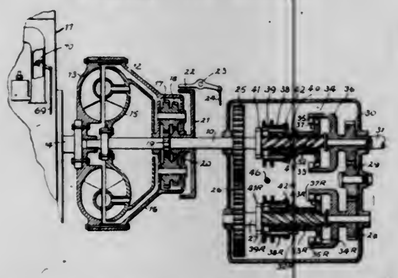
Lauren E. Seeley, New Haven, Conn., assignor to The H. B. Smith Company, Incorporated, Westfield, Mass., a corporation of Massachusetts

Application November 15, 1938, Serial No. 240,447
2 Claims. (Cl. 122—230)



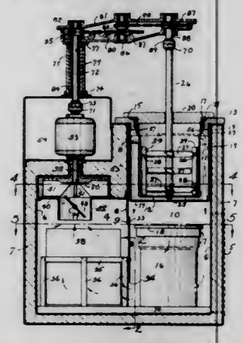
1. In a boiler having a smoke pipe, a fire box, a combustion chamber above said fire box, and flues connecting said combustion chamber with said smoke pipe and through which gases normally travel, said fire box having grooves in the outer wall thereof, which grooves extend from top to bottom of the fire box and provide passages through which gases may also flow, and a flue below said fire box and connected with said smoke pipe into which said gases are guided by said passages.

2,252,042
REVERSING MECHANISM
Harold Sinclair, Kensington, London, England
Application February 10, 1939, Serial No. 255,617
In Great Britain February 14, 1938
5 Claims. (Cl. 74—189.5)



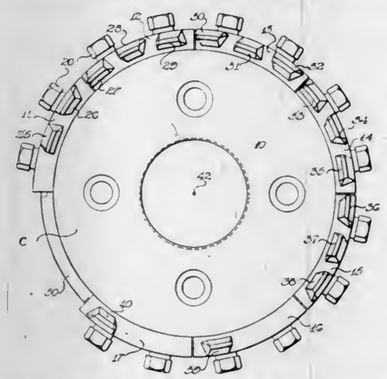
1. Reversing gearing comprising a forward-drive transmission path in parallel with a reverse-drive transmission path between an input shaft and an output shaft, each of said paths including an inverted free-wheel coupling provided with locking means operable for converting the coupling into condition to transmit both driving and over-running torques, common control means for said couplings, which during a part of the gear-changing operation maintain both of said couplings operative and which are capable of converting said couplings alternatively into their bidirectional driving condition, and means for temporarily imparting a reverse rotation to said input shaft.

2,252,043
DRY ICE COUNTER FREEZER AND HARDENER
John H. Sissel, Rock Island, Ill.
Application July 21, 1938, Serial No. 220,479
6 Claims. (Cl. 62—114)



1. A device of the class described, comprising in combination a vertically positioned motor and a blower fan driven thereby, said fan being positioned below and a distance from the motor, a vertically positioned rectangular in cross section L-shaped chamber, the upper portion being positioned adjacent the outlet of said fan and being operatively connected thereto, the horizontal part of said chamber extending under said fan and forming an operating connection thereto, a mix container having a rotor positioned in the vertically extending portion of said chamber, said rotor having a detachable operating connection to said motor, means for directing the air from said fan around said mix container and then directing the air into the adjacent horizontal portion of said chamber, said mix container and air directing means being removably positioned in said chamber to thereby make the horizontal chamber accessible whereby dry ice may be placed below said fan and a hardening container may be positioned below said mix container, insulating material positioned around said chamber and fan and between said fan and motor.

2,252,044
CUTTER FOR CUTTING GEARS
Ensign T. Slayton, Irondequoit, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application June 26, 1939, Serial No. 281,096
5 Claims. (Cl. 29—105)



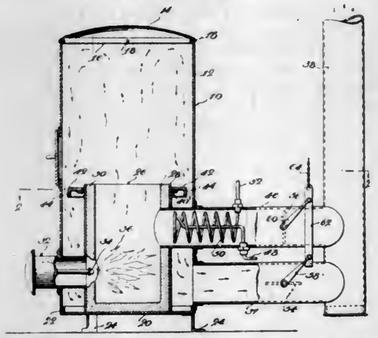
1. A face-mill cutter for finish-cutting gears by continuous rotation of the cutter and intermittent indexing of the gear blank, comprising a rotary head and a plurality of cutting blades which project beyond one side face of the head in the general direction of the axis of the head and which are arranged part-way only around the periphery of the head with a gap between the last and first blades, said blades having inside and outside cutting edges, successive inside cutting edges being offset radially inwardly of one another and successive outside cutting edges being offset radially outwardly of one another, the first several blades being of progressively increasing height up to the full height of the roughed tooth space as a limit and being followed by a series of blades which are of uniform height, said gap being of sufficient angular extent to permit of indexing the blank, when the gap is abreast of the blank, without complete separation of the cutter and blank.

2,252,045
TUBULAR HEAT EXCHANGE APPARATUS
Edward Frank Spanner, Blackheath, London, England
Application January 4, 1940, Serial No. 312,376
In Great Britain October 18, 1938
3 Claims. (Cl. 138—38)



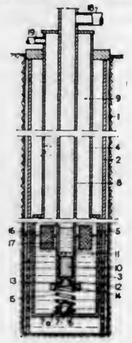
2. A straight tube for use in non-radiant heat exchange apparatus having two or more spiral grooves inwardly pressed into it along practically the whole of its length, these grooves being of gradually increasing depth and decreasing pitch towards the exit end of the tube.

2,252,046
FURNACE
William L. Steele, Seattle, Wash.
Application October 17, 1938, Serial No. 235,535
6 Claims. (Cl. 158—1)



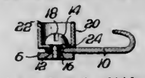
4. A furnace for fluid fuel, comprising: an enclosing shell; an open-top fire pot located inside the shell at its bottom and spaced from the side walls thereof to provide a smoke passage extending about the vertical walls of the fire pot; said fire pot terminating well below the top wall of the shell, to afford its only communication with the interior of the shell; a flue communicating with said passage below the top of the fire pot; and means coacting with the side walls of said shell to define an unobstructed smoke passage between the top margin of the fire pot and the side walls of said shell, entirely surrounding the fire pot at the top margin, and of an effective area substantially equal to the cross-sectional area of said flue.

2,252,047
WELL PUMPING SYSTEM AND APPARATUS
Alexander Wilhelmus Steenbergh, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 15, 1939, Serial No. 295,044
In the Netherlands September 16, 1938
7 Claims. (Cl. 103—52)



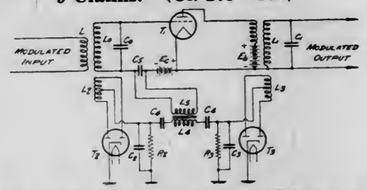
1. In a gas-lift system, the combination of a tubular string extending into a well, the lower portion of said string forming a liquid-accumulating chamber, said chamber having a non-return inlet valve, means for delivering pressure gas to said chamber, a lift tube depending into said chamber, a plunger freely movable in said tube, means to support said plunger at rest adjacent to the lower end of said tube within said chamber, upper inlet ports above the plunger at rest in said tube to permit liquid accumulation in said tube above said plunger, a lower inlet port connecting said tube below the plunger at rest therein with said chamber and level-responsive means for controlling flow through said upper and lower inlet ports.

2,252,048
NONSNAG FOOTER HOOKUP BAR
Francis Tait, Jr., Philadelphia, Pa., assignor to Howard Hosiery Company, Sinking Spring, Pa., a corporation of Pennsylvania
Application October 19, 1940, Serial No. 361,828
2 Claims. (Cl. 66—149)



1. A hook-up bar for knitting machines comprising a body member having an opening therein, a fabric engaging hook having an eyelet formed at one end thereof, a screw engaging the eyelet of said hook and the opening in said bar for securing said hook to said bar, and a cup-shaped member carried by said screw and extending above the head of said screw to prevent contact of the fabric with the head of said screw.

2,252,049
LINEAR AMPLIFYING SYSTEM
Frederick E. Terman, Stanford University, Calif., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 13, 1939, Serial No. 273,404
9 Claims. (Cl. 179—171)

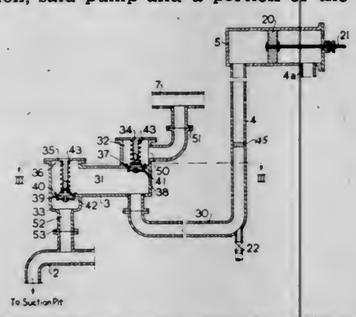


1. The method of linearly amplifying a modulated input wave so as to produce a modulated output wave of greater power, which comprises detecting a portion of said input wave to produce a modulation envelope wave, non-linearly amplifying another portion of said input wave to produce an amplified wave, detecting a portion of said amplified wave to produce a second envelope wave, delivering another portion of said amplified wave as said desired output wave, deriving the difference wave of said two detected portions, segregating the alternating component of said derived wave, and modulating said other portion of said input wave by said segregated component wave to render the wave-form of the envelope of said output wave substantially like the wave-form of the envelope of the input wave.

2,252,050
APPARATUS FOR CIRCULATING DRILLING FLUIDS
Nelson W. Thompson, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 30, 1939, Serial No. 297,328
1 Claim. (Cl. 103—165)

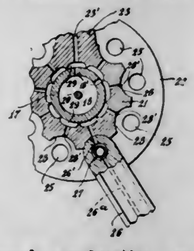
In a drilling fluid circulation system comprising conduit means between a supply of drill-

ing fluid and the well head, two one-way valves in said conduit permitting fluid flow from said supply to said well head, a reciprocating pump disposed at a higher level than said valves, a second conduit in fluid communication between said pump and said first conduit at a point intermediate said two valves, a substantial portion of said second conduit extending in a vertical direction, said pump and a portion of the second



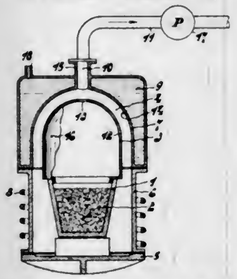
conduit adjacent said pump being filled with a non-abrasive fluid, having a lower specific gravity than the drilling fluid filling the remaining portions of the circulation system, floating means within said second conduit adapted to separate said two fluids, said floating means having a specific gravity greater than that of the non-abrasive fluid but less than that of the drilling fluid, and prime-mover means to oscillate said fluid by reciprocating the pump piston.

2,252,051
ENGINE
Ellingwood H. Towle, Larchmont, N. Y.
Application May 5, 1938, Serial No. 206,136
7 Claims. (Cl. 184—6)



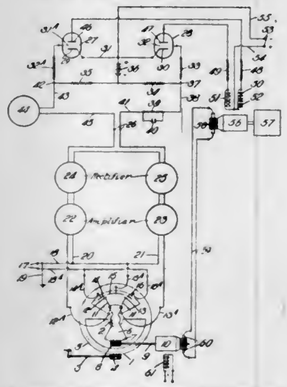
1. In internal combustion engines, a crank shaft having a hollow crank pin with an oil inlet duct extended through the shaft in communication with the chamber in the crank pin, a bearing having an annular flange at each end journaled on the crank pin, said bearing having recesses spaced circumferentially about the inner surface with a port extending radially from each recess through the bearing wall, and the bearing flanges having alined openings arranged radially of said ports, knuckle pins mounted in the openings in and extending between the bearing flanges, and piston rods pivotally mounted on said knuckle pins between the bearing flanges, each rod having a port communicating with its pivotal mounting on the knuckle pin adapted to be placed in register with a radial port in the bearing, and said crank pin chamber having radial outlet ports predeterminedly circumferentially spaced about the same adapted by the rotation of the shaft to successively open communication between the chamber in the crank pin and mounting of the piston rods and maintain the crank pin chamber in communication with the pivot mounting of at least one piston rod at all times.

2,252,052
SUBLIMATING APPARATUS
Hendrik Johannes Meerkamp van Embden, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application October 6, 1939, Serial No. 298,330
In Great Britain October 17, 1938
1 Claim. (Cl. 13—8)



A vacuum sublimating apparatus, comprising a crucible of non-metallic material adapted to receive the material to be sublimated, means to produce high-frequency current for heating the material to be sublimated, a dome-shaped metal cover on said crucible and serving as a condensing member for the vapors of the sublimate, said cover being tightly jointed to the crucible and being provided with an outlet opening, the spaces within the cover and crucible being connected by a passageway having a cross-sectional area approximately the same as the area of the free surface of the charge within the crucible, and means to remove heat from said cover substantially only by radiation, said means comprising a heat-receiving member surrounding said cover with an intermediate space, and a device for producing a low pressure within said space.

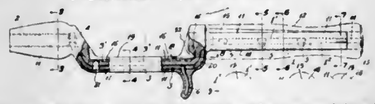
2,252,053
ELECTRIC TRANSMISSION SYSTEM
John Percival Watson, Sidcup, England, assignor to Vickers-Armstrongs, Limited, London, England, a British company
Application December 14, 1938, Serial No. 245,610
In Great Britain December 14, 1937
2 Claims. (Cl. 172—239)



1. In a sensitive power follow-up electrical

transmission system using a recentering or restoring follow-up motor with a controlled output element having the mechanical output of said motor applied thereto and a Ward-Leonard generator supplying said motor, the combination of a control element, plate means, displaceable by said control element, a second movable plate means displaceable according to the movement of said output element of the system with respect to the first plate means, a normally balanced hard thermionic audio valve circuit connected in its output to govern the field of said Ward-Leonard generator and a source of electric current, between which audio valve circuit and current source said two plate means are arranged to form a capacitative coupling and capable of being restored by said follow-up motor, so that when the control element is moved, said capacitative coupling causes an E. M. F. to be introduced into said audio valve circuit, depending in direction and magnitude upon the respective direction and extent of said movement and in turn setting up a differential unbalance of the audio valve circuit, and a common control grid network for said thermionic hard valve circuit, including a resistance shunted by a capacitance capable of introducing into said network a component of potential proportional to the rate of change of the controlling potential.

2,252,054
FISHING ROD HANDLE
Arthur R. Welch, Dover, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application October 5, 1939, Serial No. 298,070
7 Claims. (Cl. 43—23)



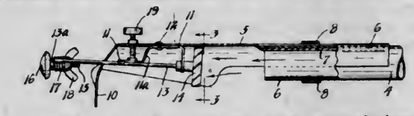
1. In a fishing rod handle, the combination with a metallic reinforcing insert having an end grip-like portion, an opposite end portion adaptable for securing to the butt end of a fishing rod, and an intermediate portion; of a covering of plastic composition over the insert and adherently secured thereto and having a seat-like portion covering said intermediate insert portion.

2,252,055
STAPLE FIBER YARN
Harry Wild, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 27, 1939, Serial No. 281,327. In Great Britain July 16, 1938
5 Claims. (Cl. 57—140)

1. Doubled yarn having as at least one of its components a staple fiber yarn comprising a substantial proportion of fibers made from artificial continuous filaments having a basis of cellulose acetate or other organic derivative of cellulose, together with a lesser proportion of wool fibers, and another lesser proportion of cellulosic fibers, and having as another of its components a stapilized yarn.

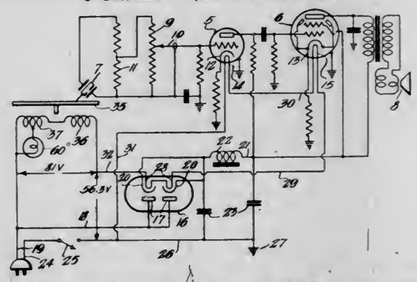
2,252,056
ROTARY REFLECTOR FOR VEHICLES
Reinert Amundson, Jr., Minneapolis, Minn.
Application August 4, 1939, Serial No. 288,256
7 Claims. (Cl. 88—81)

1. The combination with the outlet end of a motor vehicle engine exhaust pipe, of an element secured to the end of the exhaust pipe, a portion of said element extending outwardly from the outlet end of said exhaust pipe, a fluid motor mounted on a rotatable shaft on said element



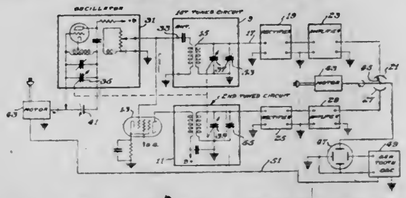
and positioned adjacent to and in substantial alignment with the end of said exhaust pipe, and a rotatable ornamental reflector device supported by said element and connected to said fluid motor for operation thereby.

2,252,057
HEATER CIRCUIT FOR RADIO APPARATUS
Gregory W. Blessing, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1939, Serial No. 276,673
9 Claims. (Cl. 179—100.4)



4. A phonograph system including, in combination, a plurality of amplifier tubes, means providing a series cathode heating circuit for said tubes, a phonograph motor having operating windings adapted to operate with the cathode heating current, means for supplying energy to said windings and to said cathode heating circuit in series, the operation potential for said motor across said windings being such that the vector sum of said potential and the potential across the cathode heating circuit is equal to the supply potential.

2,252,058
METHOD AND MEANS FOR TESTING RESONANT CIRCUITS
Donald S. Bond, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application April 27, 1940, Serial No. 331,964
18 Claims. (Cl. 250—20)



1. In a device having a plurality of circuits tunable over a range of frequencies in response to common control means, the method of indicating the alignment of said circuits throughout their tuning range which includes the steps of

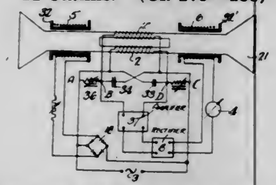
generating a radio frequency voltage the nominal frequency of which is variable over said range of frequencies, modulating the frequency of said radio frequency voltage throughout a range less than said range of frequencies, applying said frequency modulated voltage to said resonant circuits, producing separate indications of the resonant rise of voltage in said circuits, and simultaneously varying the nominal frequency of said frequency modulated voltage and the resonant frequency of said circuits, the difference between said indications being a measure of the alignment of said circuits.

2,252,059

METHOD AND A DEVICE FOR DETERMINING THE MAGNITUDES OF MAGNETIC FIELDS

Gustav Barth, Berlin, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany

Application December 24, 1937, Serial No. 181,719
In Germany December 24, 1936
11 Claims. (Cl. 175—183)



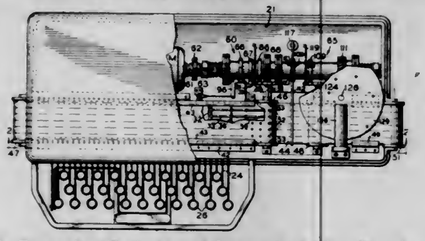
1. The method of determining the magnitudes of a unidirectional magnetic field, for instance the magnetic earth field, which includes producing in an elongated body of high permeability a periodically variable magnetic flux and a superposed constant flux of adjustable magnitude for selecting the effective working range of the magnetization curve of said body, exposing said body to the field to be tested so as to produce another constant flux in said body depending upon the magnitude to be determined, and determining a magnitude depending upon the reciprocal effect of said latter flux and said variable flux on the magnetization of said body.

2,252,060

SIGNAL STORING DEVICE

Louis Casper, Richmond Hill, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application December 2, 1939, Serial No. 307,229
18 Claims. (Cl. 178—17.5)



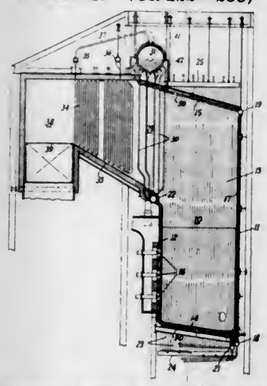
1. In a signal storage telegraph device for storing code signals, an endless flexible storage member having a series of transverse rows of apertures therein, individual shutters associated with each one of said apertures, means for moving said flexible storage member, means independent of the movement of said storage member for successively positioning transverse rows of said shutters therein to normal positions and means for selectively operating said shutters from said normal position whereby opened and closed apertures in successive transverse rows of said storage member represent code signals.

2,252,061

FLUID HEATER

Perry R. Cassidy, Short Hills, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application September 2, 1938, Serial No. 228,088
5 Claims. (Cl. 122—235)



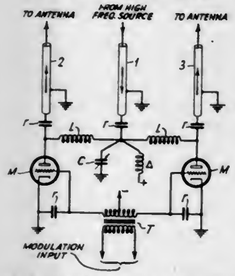
1. In a steam generator, a furnace chamber, means defining a high temperature heating gas pass opening to said furnace chamber, a bank of vertically disposed steam generating tubes extending across said gas pass, a horizontally arranged thick-walled drum extending longitudinally of said tube bank above said gas pass and having the upper ends of said tubes connected thereto, and a row of water tubes extending along the roof of said furnace chamber and having upper end portions extending between the tubes of said tube bank adjacent said drum and connected to said drum.

2,252,062

COMMUNICATION SYSTEM USING MODULATED WAVES

Henri Chireix, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application July 23, 1938, Serial No. 220,928
In France September 15, 1937
6 Claims. (Cl. 250—17)



1. A modulated wave transmitting system comprising a short wave generating source, means for feeding by the output of said source the midpoint

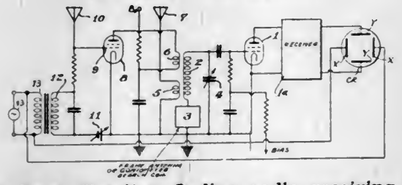
of two symmetrically connected circuits which are tuned to said short wave frequency, each of said circuits comprising at least one inductance, and at least one mu-variable electronic tube the interelectrode capacity of which resonates with the said inductance, a modulation frequency source, means for push-pull exciting by said last source the grids of said electronic tubes of said two circuits, a pair of feeding lines respectively connected to the plates of said tubes in each of said circuits, and a pair of antennae respectively connected to said feeding lines.

2,252,063

RADIO DIRECTION FINDER

Christopher Sydney Cockerell, Danbury, England, assignor to Radio Corporation of America, a corporation of Delaware

Application July 18, 1938, Serial No. 219,898
In Great Britain August 7, 1937
11 Claims. (Cl. 250—11)



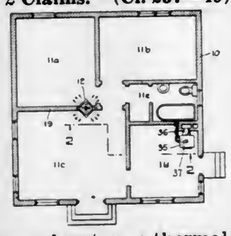
7. In a direction finding radio receiving installation, the combination including means for deriving directionally received signal components, means for deriving two omni-directionally received signal components, means for combining said omni-directionally received components in phase opposition to one another, means for cyclically varying the relative amplitudes of said components, means for combining said directionally received component in phase quadrature with said combined components to produce a resultant, and indicating means responsive to the instantaneous amplitude of said resultant.

2,252,064

HEAT EXCHANGE UNIT AND SYSTEM

Edward S. Cornell, Jr., Larchmont, N. Y.

Application October 22, 1938, Serial No. 236,462
2 Claims. (Cl. 237—49)



1. In a thermal system, a thermal device which includes a casing, said casing being positioned astride partition wall means of a building, adjacent the ceiling structure of the building, and having a bottom wall, a normally closed top, and a plurality of lateral walls, the said lateral walls being adapted to face inwardly of the rooms which are defined in part by said partition wall means; air outlet means disposed in respective lateral walls, said air outlet means being adjustable in degree of opening relative to one another; air inlet means so arranged in the bottom wall of said casing as to communicate with the said rooms; thermal exchange means disposed within the casing adjacent respective lateral walls thereof and extending across the said outlet means; and air circulating means disposed within said casing and arranged to draw air from the rooms in through said air inlet means of the bottom wall of the casing, and to discharge air outwardly of the casing over the said thermal exchange means, and into the rooms through said outlet openings in the said lateral walls.

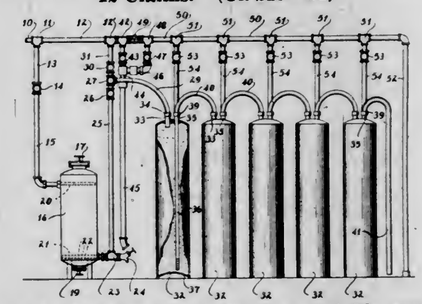
2. Structure as recited in claim 1 wherein passage means extends upwardly through the partition wall means and opens into the bottom of the casing in registry with the air inlet means thereof, said passage means being open at the lower end adjacent the bottom of the partition wall means.

2,252,065

METHOD AND APPARATUS FOR TREATING WATER SOFTENERS

Emmett Joseph Culligan, La Grange, Ill., assignor to Culligan Zeolite Co., Northbrook, Ill., a copartnership

Application September 11, 1939, Serial No. 294,281
12 Claims. (Cl. 210—24)



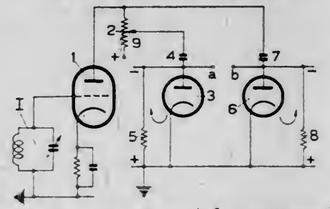
1. A system for regenerating portable zeolite tanks with brine consisting in connecting a series of portable zeolite tanks in series with the outlet of one portable tank connected to the inlet of the next adjacent portable tank in the series, and forcing through said portable tanks an amount of brine capable of regenerating the total number of portable tanks with a slight excess for the last portable tank of the series.

2,252,066

INTERFERENCE RESPONSIVE CIRCUIT

George Dallos, Ujpest, Hungary, assignor to United Incandescent Lamp & Electrical Company, Limited, Ujpest, Hungary

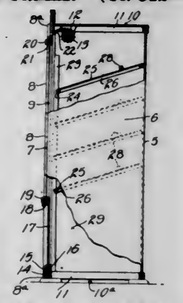
Application August 23, 1938, Serial No. 226,230
In Hungary September 24, 1937
10 Claims. (Cl. 250—20)



1. A circuit arrangement for suppressing disturbances in radio receiving sets, comprising in combination, a signal stage forming the source of current, two rectifier systems each including a resistance and a condenser arranged in bridge connection, one of said systems forming the quick

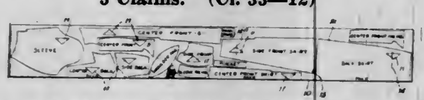
arm, and the other system forming the slow arm of such bridge, the quick arm having means for causing the rectified voltage appearing across its resistance to follow the signal modulations, the slow arm having means for causing the rectified voltage appearing across its resistance to respond only to slower fluctuations, means coupling said rectifier systems to said source of current so as to feed a lower alternating voltage to the quick arm than to the slow arm, whereby with undisturbed reception the rectified voltage appearing across the resistance of the quick arm is at most as high as that appearing across the resistance of the slow arm, and means for reversing this relation upon the occurrence of disturbances exceeding the critical value determined by the carrier wave amplitude.

2,252,067
SHOE CABINET
Harry Derman, Laurelton, N. Y.
Application July 14, 1939, Serial No. 284,418
4 Claims. (Cl. 312—144)



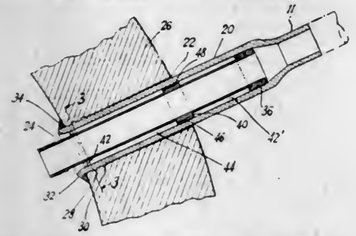
1. A collapsible shoe cabinet of the class described comprising a unitary wall part having foldable rear and side walls and narrow front wall portions at the forward edges of the side walls, top and bottom walls detachable from said first named walls, vertical rails permanently secured to free edges of said narrow front wall portions and collapsible with the walls of said unitary wall part, elongated shelf supporting strips permanently fixed to rear surfaces of said rails and extending longitudinally thereof in spaced relation to the side walls of the cabinet when in set-up position, said vertical rails being spaced apart at the front of the cabinet to form a large door opening, said strips having on inner surfaces thereof transverse notches spaced longitudinally of the strips, each of said notches being inclined upwardly and inwardly, shelf members having a depth greater than the distance between the notched portions of the strips and the inner surface of the rear wall and a width greater than the distance between the strips on opposed rails of the cabinet, and said notches in conjunction with the rear wall of the cabinet supporting the shelf members in upwardly inclined position.

2,252,068
ADJUSTABLE PATTERN
Henry B. Donning, New Rochelle, N. Y.
Application June 30, 1939, Serial No. 282,050
3 Claims. (Cl. 33—12)



1. In a garment pattern, a gage section of irregular outline, said section being arranged at a predetermined distance from one end of the pattern, said gage section being removable from the pattern sheet to form an opening in the pattern to render the design of a fabric upon which the pattern is laid for cutting visible through said opening, and the opening together with said gage section facilitating proper alinement of the pattern with the design of the fabric.

2,252,069
HEAT EXCHANGER
James Fletcher, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application August 1, 1939, Serial No. 287,702
6 Claims. (Cl. 122—365)



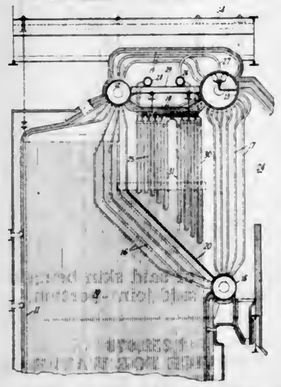
1. In combination, a steam and water drum, a tube directly communicating with the steam space of the drum for the flow of a fluid at a temperature differing materially from the temperature of a fluid within the drum, means within the tube and extending past the junction of the tube and the drum to provide an annular chamber directly communicating with the interior of the drum, and an annular restrictor disposed transversely of said chamber to divide it into two shorter chambers and provided with a restricted opening to limit circulation of steam and water between the drum and said chamber.

2,252,070
CURTAIN AND THE LIKE AND MEANS FOR SUSPENDING SAME
Roger French, Manchester, England
Application August 17, 1938, Serial No. 225,265
In Great Britain August 20, 1937
8 Claims. (Cl. 156—10)



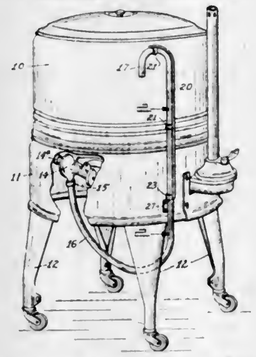
1. In a curtain having the upper edge thereof folded over on itself for a substantial distance along substantially the entire width thereof, a relatively narrow strip of tape having its upper edge stitched to said folded edge only of said curtain, the lower edge of said tape being stitched to the body only of said curtain along its width, said tape and folded portion in combination constituting a curtain heading providing a free pocket from the top of said curtain to the lower edge of said tape, the improvement which comprises at least one series of hook-tubes in said tape, the lower ends of said tubes adapted to open to the outside of said pocket and the upper ends adapted to open to the inside of said pocket.

2,252,071
STEAM GENERATOR
Cecil H. Gay, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application September 11, 1937, Serial No. 163,362
13 Claims. (Cl. 122—478)



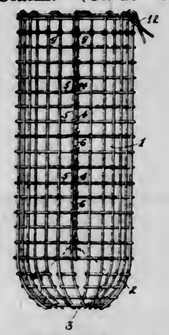
1. In a steam boiler, a steam superheater comprising a steam superheating tube having a series of vertically arranged tube legs serially connected at their upper and lower ends by looped portions and upper and lower horizontally arranged serially connected tube legs extending across the upper ends of said vertical tube legs, means for supporting said upper tube leg from an external support at longitudinally spaced points, means connecting said upper and lower tube legs to form a horizontal beam structure, and means for connecting the upper looped portions of said vertical tube legs to said lower tube leg.

2,252,072
FLUID DISCHARGE APPARATUS FOR LAUNDRY MACHINES
Andrew H. Gerhardt, Chicago, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application August 16, 1939, Serial No. 290,429
7 Claims. (Cl. 248—79)



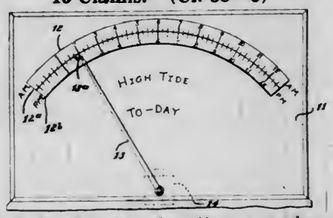
7. Fluid discharge apparatus for a washing machine of the type including a supporting structure for a receptacle adapted to contain fluid, said supporting structure including an upright external surface; said apparatus comprising a flexible hose adapted to be connected at one end to a discharge conduit associated with the receptacle, means connected to said hose intermediate its length for detachably securing it to the external surface of the supporting structure, and means connected to said securing means and to the portion of the hose beyond the connection of the detachable securing means for reinforcing said portion of the flexible hose to support it in upright position in close proximity to said surface of the supporting structure.

2,252,073
BULB PROTECTOR
Harriet Tyng Gray, Greenwich, Conn.
Application March 16, 1939, Serial No. 262,122
1 Claim. (Cl. 47—37)



A bulb protector embodying an elongated, laterally closed body with an inwardly and downwardly converging bottom all provided with a multiplicity of openings therethrough sufficiently small to exclude ground mice but large enough to afford free egress to the roots of a contained bulb.

2,252,074
INDICATOR
Willis H. Gulesian, Watertown, Mass.
Application May 17, 1939, Serial No. 274,117
15 Claims. (Cl. 58—3)

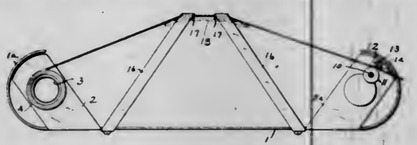


1. An indicator for denoting a series of tide changes comprising in combination a dial having a tide notation and clock readings thereon arranged in an arcuate manner, an indicator hand pivotally associated with the clock readings, means for intermittently moving the indicator hand in one direction over the said dial to denote a series of readings at which successive tide changes occur, and means for moving the indicator hand from the last reading of said series over the dial in an opposite direction to a tide reading continuing the said succession of tide changes.

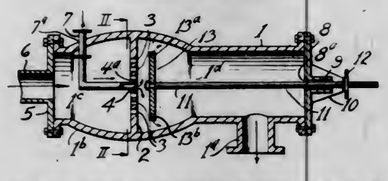
2,252,075
RIBBON RACK
Lane Johnson, Houston, Tex.
Application June 24, 1937, Serial No. 150,149
7 Claims. (Cl. 197—151)

1. A portable holder for a typewriter ribbon

comprising a frame to be applied to a typewriter having a ribbon vibrator, ribbon holding and automatically operable ribbon advancing means disposed in approximately horizontal relation and mounted on the frame, ribbon guiding means through which the ribbon moves in an approximately horizontal direction, said guiding means being associated with, and vertically movable independently of and relative to the frame and positioned and shaped to be engaged with and elevated by the vibrator of the typewriter upon upward movement thereof.



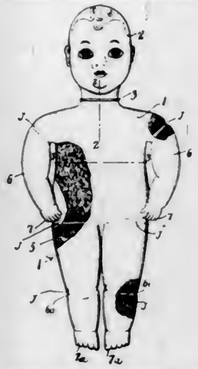
2,252,076
FLUID MIXER
Edwin E. Juterbock, West New Brighton, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 31, 1939, Serial No. 302,184
4 Claims. (Cl. 259—4)



1. A fluid mixing apparatus comprising a casing having an inlet and an outlet, a partition extending transversely across the casing between the inlet and outlet and having a localized area of perforations and permitting flow of fluid through the partition from the inlet toward the outlet, a conduit for a second fluid extending into the casing and opening through the area of perforations toward the outlet, a baffle plate, and means for supporting the baffle plate in spaced relation to the casing substantially parallel with and on the discharge side of the partition to deflect and commingle the two streams of fluid as they leave the partition.

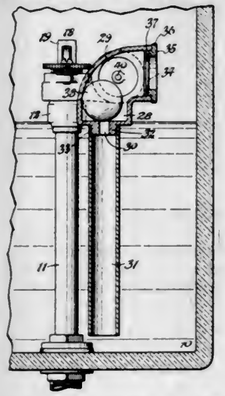
2,252,077
DOLL AND METHOD OF MAKING THE SAME
Abraham M. Katz, Brooklyn, N. Y., assignor to Ideal Novelty & Toy Co., Long Island City, N. Y., a corporation of New York
Application February 29, 1940, Serial No. 322,178
3 Claims. (Cl. 46—156)

1. A hollow doll-body comprising a hollow torso and a hollow limb-member, said torso and said limb-member having an integral elastic rubber skin, said torso having a filling, said limb-member also having a filling, the joint-portion of said skin between said torso and said limb-member being flexible and being substantially empty, said skin having a normal shape in which the inner cross-section of said limb-member is of smaller area at said joint-portion relative to the inner cross-section of the next adjacent portion of said limb-member and said joint-portion being sufficiently flexible to permit the limb-member to bend freely in all directions relative to the torso, and to permit the limb-member to be twisted around its axis relative to the torso,



the adjacent walls of said skin being unconnected to each other at said joint-portion.

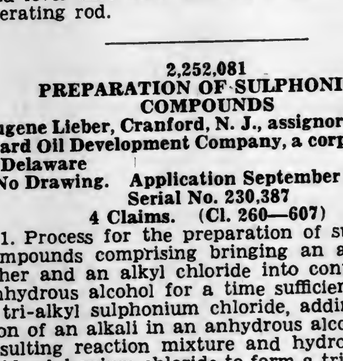
2,252,078
VENTING DEVICE FOR WATER CLOSET VALVE MECHANISMS
George W. Kohlmeyer, Buffalo, N. Y., assignor to W. A. Case and Son Manufacturing Company, Buffalo, N. Y., a corporation of New York
Application November 17, 1939, Serial No. 304,987
2 Claims. (Cl. 137—69)



1. A vent valve comprising a valve body having a venting chamber provided with a water outlet in its bottom, a water inlet in one part of its side, a vent opening in another part of its side, and a guide surface arranged internally at the top of said chamber and inclining from the upper part of said vent opening downwardly to the opposite side of said chamber, an inwardly facing valve seat arranged in said vent opening, and a spherical buoyant valve member arranged in said venting chamber and adapted to be raised by water in the venting chamber and to be deflected laterally by said guide surface into engagement with said valve seat.

2,252,079
RETRACTABLE GUN MOUNT
Isaac M. Laddon and William A. Ring, San Diego, Calif., assignors to Consolidated Aircraft Corporation, a corporation of Delaware
Application December 28, 1937, Serial No. 182,083
11 Claims. (Cl. 89—37.5)

1. In a gun mount including a pivoted radius rod and an arcuate support, the combination of a carriage member embracing said arcuate support and adapted to adjustably position said radius rod thereon, a telescopic extension of said radius rod, a gun adapter socket member carried



thereby, and auxiliary means engageable by said socket member to permit independent locking thereof in an extreme radial position of said radius rod determined by said arcuate support, said auxiliary means including a releasable latch.

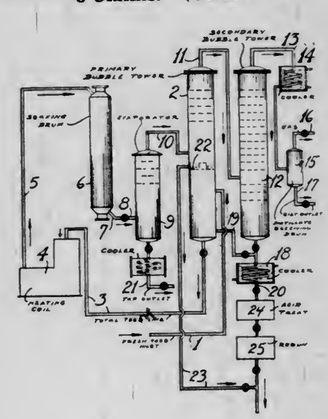
2,252,080
GEAR SHIFTING MECHANISM
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application March 15, 1939, Serial No. 261,863
15 Claims. (Cl. 74—473)

1. In combination, a transmission having an operating rod, a remotely disposed gear shift lever, pivotally mounted U-shaped hangers at said lever and said rod, means for transmitting fore and aft movement of said lever into rotation of said rod, and bell cranks carried by said hangers and interconnected by a motion-transmitting rod for transmitting lateral rocking of said lever into axial shifting movement of said operating rod.

2,252,081
PREPARATION OF SULPHONIUM COMPOUNDS
Eugene Lieber, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 17, 1938, Serial No. 230,387
4 Claims. (Cl. 260—607)

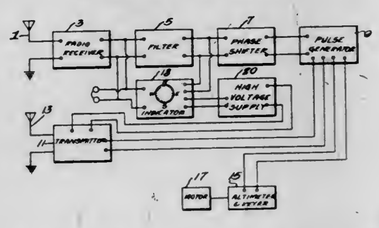
1. Process for the preparation of sulphonium compounds comprising bringing an alkyl thioether and an alkyl chloride into contact in an anhydrous alcohol for a time sufficient to form a tri-alkyl sulphonium chloride, adding a solution of an alkali in an anhydrous alcohol to the resulting reaction mixture and hydrolyzing the said sulphonium chloride to form a tri-alkyl sulphonium hydroxide.

2,252,082
PRODUCTION OF HEATING OILS
George A. Lloyd, Jr., Elizabeth, and Eugene C. Hermann, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application March 7, 1939, Serial No. 260,274
5 Claims. (Cl. 196—40)



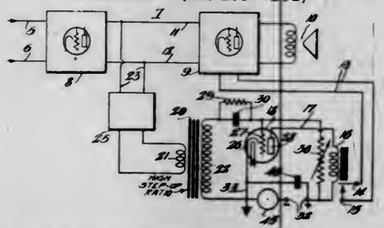
1. Process for the production of heating oils of increased stability, comprising separating from a cracked distillate boiling in the range from about 350° F. to about 650° F., about 40–60% of the relatively lower boiling constituents from the relatively higher boiling constituents, subjecting said lower boiling constituents to an acid treatment of about 2 to 5 lbs. of sulfuric acid, of from about 88 to 98% strength, per barrel of oil, without subjecting said higher boiling constituents to acid treatment, and blending the treated lower boiling constituents with the untreated higher boiling constituents.

2,252,083
RADIO TRAFFIC CONTROL
David G. C. Luck, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 23, 1938, Serial No. 203,750
8 Claims. (Cl. 250—11)



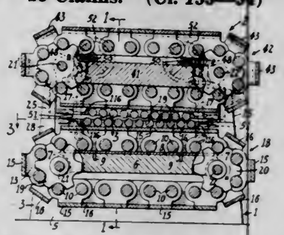
1. A radio traffic control device including in combination a radio transmitter, a radio receiver responsive to a carrier modulated by an alternating current, demodulation means for obtaining from said carrier said alternating current, means for deriving a keying pulse from said alternating current having a phase fixedly related to said current, said pulse being substantially less in duration than a cycle of said alternating current, and means for applying said pulse to momentarily key on said radio transmitter.

2,252,084
SIGNAL RESPONSIVE RELAY SYSTEM
John S. Leigh, Pennsauken, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1940, Serial No. 327,046
4 Claims. (Cl. 179—171)



1. A signal responsive control system comprising, in combination, a signal supply circuit including a step-up transformer having a relatively high step-up ratio, a rectifier device having a signal input grid-cathode circuit including the secondary of said transformer, means providing a negative bias source for said last named circuit in response to signals and through said transformer a load on said supply circuit which is relatively low and substantially uniform over each signal cycle, an output anode circuit for said rectifier device including a control device responsive to changes in anode current, and means for applying a positive bias potential across said input circuit, the relation of said biasing potential and the step-up ratio of said transformer being such that a relatively wide range of variation in the anode current is effected by a relatively small change in signal amplitude applied to said input circuit.

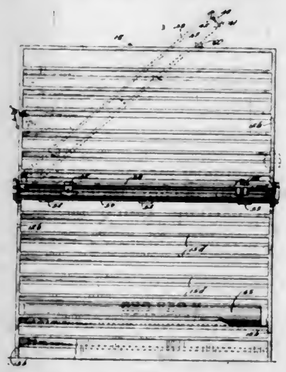
2,252,085
APPARATUS FOR FLATTENING AND LEVELING SHEET, COIL, AND PLATE MATERIAL
Friedrich K. Maussnest, Woodside, Long Island, N. Y.
Application October 6, 1938, Serial No. 233,558
15 Claims. (Cl. 153—54)



1. In a machine of the character described, straightening rolls, supports arranged in several series, each series having said supports interconnected with each other, said supports having planar surfaces for contacting with and sustaining the load of each straightening roll, means for rotating said straightening rolls and for successively moving all series of supports past said straightening rolls, further means to raise or lower certain of said moving series of supports with respect to the other series.

3. In a machine of the character described, two banks of straightening rolls between which the work material passes, means for rotating said rolls, independent planar supporting means for each bank of rolls, backing means for retaining said independent planar supporting means in engagement with the corresponding banks of rolls, said backing means being stationary with respect to said rolls, means for moving said supporting means longitudinally of each bank of rolls and transverse to the axes of the rolls at surface speeds substantially the same as the surface speed of rotation of said rolls.

2,252,086
CUTTING AND MEASURING APPARATUS FOR OILCLOTH OR SIMILAR MATERIAL
Charles M. McCarthy, Minneapolis, Minn.
Application April 18, 1940, Serial No. 330,332
13 Claims. (Cl. 164—77)

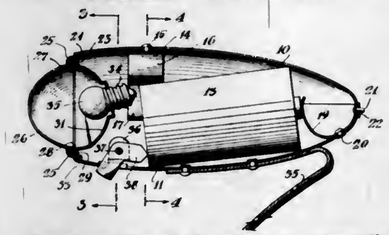


6. A device adapted to be used with a cabinet having compartments for receiving rolls of oilcloth or similar material comprising a member extending in front of said compartments substantially parallel thereto having spaced portions with outer convexly curved surfaces, said surfaces being closer together at the bottom of said member than at the intermediate portion thereof, a second member movable toward and from said first mentioned member and having spaced resilient portions extending longitudinally of said member, means for yieldingly holding said portions adjacent each other so that they can be pressed down over a layer of cloth on said first mentioned member to press said cloth against said convex surfaces to hold the same taut at the top of said member and a cutter having a blade movable between said portions to cut said cloth at the taut portion thereof.

2,252,087
LUBRICANT
John G. McNab, Roselle, and Walter T. Watkins, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 20, 1938, Serial No. 230,782
5 Claims. (Cl. 252—37)

3. An improved lubricant comprising a mineral lubricating oil, a soluble soap of a polyvalent metal of the second to the eighth group of the periodic table and the acids produced by the air oxidation of petroleum oils and waxes, and which is substantially free of oxy organic impurities of the class consisting of esters, lactones, lactides and free acids of the type used in the preparation of the said soap and 0.25% to 1.5% of a free saturated fatty acid selected from the class of stearic and margaric acids.

2,252,088
LAMP
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application January 28, 1939, Serial No. 253,396
3 Claims. (Cl. 240—7.55)

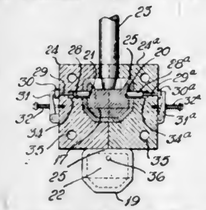


1. An apparatus of the character described including a hollow casing comprising longitudinally extending sections forming an upper and a lower casing portion respectively, said casing being adapted to receive a cell, a spring comprising a resilient body, means for securing said body at a point intermediate its ends to one of said sections whereby one end of the same may bear against the cell to yieldingly support the same, a latch element secured to the opposite end of said spring body and the other section of said casing being formed with an opening the edge of which is adapted to be engaged by said latch element.

2,252,089
MOTOR FUEL
Pharis Miller, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 27, 1939, Serial No. 311,083
9 Claims. (Cl. 44—9)

1. A motor fuel comprising a hydrocarbon fuel base adapted for spark-ignition engines blended with a substantial anti-knock improving amount of an N-alkylated aromatic amine containing in the aromatic nucleus an aliphatic substituent radical in which oxygen is linked to carbon as in an ester group, said amine boiling within the boiling range of said fuel base and being in minor proportion thereto.

2,252,090
MEANS AND METHOD OF FORMING SEPARABLE FASTENER STRINGERS
Louis H. Morin and Davis Marinsky, Bronx, N. Y., assignors to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York
Application June 15, 1938, Serial No. 213,734
10 Claims. (Cl. 18—42)

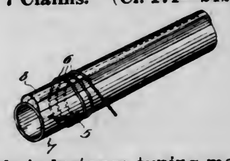


9. A die structure adapted for forming a die cast jacket upon an insert, said die structure comprising relatively movable dies having an impression formed between adjacent surfaces thereof, adjacent surfaces of the dies having registering channels forming an admission port through which casting material may be introduced under pressure into the impression, insert engaging members slidably arranged in said dies, yieldable means urging said members to extend into the impression of the dies, said yieldable means comprising springs characterized as to tension by the ability to urge the members in firm engagement with an insert, and said members being so constructed and so arranged within the impression that the pressure of casting material within the impression will act against the insert engaging ends of said members to force said members away from said insert.

2,252,091
MOISTUREPROOF SHEET
Philipp Müller, Wiesbaden-Sonnenberg, and Otto Herrmann, Wiesbaden, Germany, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 13, 1938, Serial No. 224,819. In Germany August 23, 1937
13 Claims. (Cl. 91—68)

7. A wrapping tissue comprising a glycerinated water-sensitive, non-fibrous, cellulosic base, a moistureproofing surface coating and an intermediate coating, the said moistureproofing coating comprising a cellulose derivative film-former and a wax moistureproofing agent, the said intermediate coating comprising essentially the polymerization product obtained by polymerizing together a member of the group consisting of maleic acid, fumaric acid, itacomic acid, citraconic acid, phenyl maleic acid, benzyl maleic acid, dibenzyl maleic acid, ethyl maleic acid and their anhydrides with a member of the group consisting of vinyl esters, vinyl ethers, vinyl halides, acrylic acids, acrylic esters and cinnamic acid esters.

2,252,092
RADIO TUNING MEANS
William E. Newman, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 29, 1940, Serial No. 321,544
7 Claims. (Cl. 171—242)



1. Variable inductance tuning means comprising a solenoid winding, and a magnetic tuning core element axially movable relative to and along said winding to vary the inductance thereof, said winding having a self-supporting axially extending section including a portion of a plurality of winding turns providing radially adjustable spacing between said turns in said section and the path of movement of the core element, whereby the core is movable in variably spaced relation with respect to said turns to provide adjustment of the rate of change of inductance of the winding with movement of said element.

2,252,093
ADJUSTABLE OPHTHALMIC BRIDGE
Louis John Page, Hollis, N. Y.
Application August 3, 1939, Serial No. 288,136
6 Claims. (Cl. 88—49)

1. In an ophthalmic frame or mounting, a

bridge, means for attaching lenses to said bridge, nose pads having projecting blocks on the rear thereof, means for attaching said nose pads to said bridge, said attaching means comprising an arm directed away from said bridge, curving outward and downward, looping, terminating in a rounded end oblong flange, the plane of said flange being substantially vertical and directed toward said bridge, a hanger, said hanger having



a fold, said flange mounted pivotally within said fold, said hanger terminating in a semi-circular plate, the plane of said plate directed substantially parallel to the plane of said bridge, said plate mounted between said projecting blocks on said nose pad by means of a screw, said hanger and attached nose pad rotating in planes substantially at right angles to the plane of said bridge, for the purposes set forth.

2,252,094
DEVICE FOR PEELING POTATOES AND THE LIKE
Charles G. Palmer, Newark, N. J.
Application April 28, 1939, Serial No. 270,547
5 Claims. (Cl. 30—279)



1. In a potato peeler, a handle having a collar at one end, a shaft having both ends offset, one being frictionally mounted in the collar, an arcuate cutter having one end frictionally and rotatably received in the collar partially circumjacent said shaft end, said cutter having arcuate cutting blades, said shaft having its main straight portion spaced above the blades, the opposite end of the cutter having a slot, and a cotter pin movable in the slot and connecting the other offset end of the shaft to the cutter.

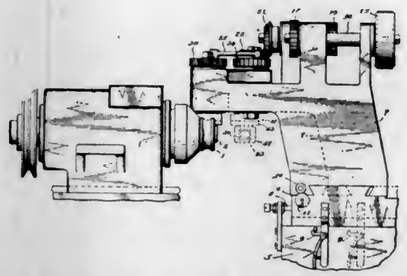
2,252,095
STRING FOR MUSICAL INSTRUMENTS
William J. Pavek, Minneapolis, Minn.
Application August 14, 1939, Serial No. 290,098
6 Claims. (Cl. 84—199)



1. A string for a musical instrument comprising a plurality of steel wires of very small cross section so as to be quite flexible and free from springiness, a braided fabric cover directly enclosing said wires and an outer cover on said braided cover.

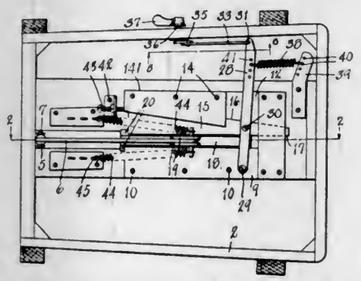
2,252,096
METHOD AND APPAPATUS FOR FINISHING BALL RACEWAYS OR THE LIKE
Thomas C. Pew, Ann Arbor, Mich., assignor to Hoover Ball & Bearing Company, Ann Arbor, Mich., a corporation of Michigan
Application June 26, 1939, Serial No. 281,072
14 Claims. (Cl. 51—58)

10. An apparatus for finishing the surface of a member such as a ball bearing race or the like which comprises, means for holding and rotating the race, a hone for application to the race surface having a dimension in one direction for a wrapping fit with the race surface and a dimension in a direction perpendicular to the first dimension for the presentation of different



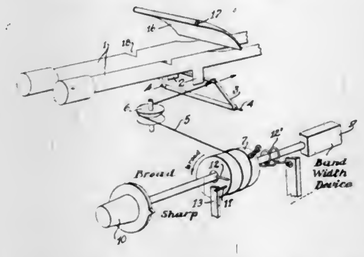
parts of its own surface to successive transversely related portions of the race surface, a holder for the hone, means for yieldingly applying the hone to the race surface, means for oscillating the hone transversely of the race surface including an eccentric bushing, and means for oscillating the bushing.

2,252,097
ADJUSTABLE CHAIR
William A. Rockenfield, Sturgis, Mich.
Application January 6, 1940, Serial No. 312,728
9 Claims. (Cl. 155—161)



7. In a chair having a frame and a back thereon adjustable as to inclination, means for holding the back in adjusted position comprising a fixed friction member mounted on said frame and having a face, a fixed backing wedge mounted on the frame and having a face spaced from and opposed to said first mentioned face and diverging therefrom, a slidable wedge disposed between said faces and having an inclined face engaging the face of said fixed wedge, and a face extending parallel to the face of said fixed friction member and spaced therefrom, a slide disposed between said fixed friction member and said slidable wedge, means providing greater friction between said slide and said slidable wedge than between said slidable wedge and said fixed wedge, means for sliding said sliding wedge along the inclined face of said fixed wedge to clamp said slide between said fixed friction member and said sliding wedge or to release the same, and means connecting said slide and said chair back.

2,252,098
PUSH-BUTTON TUNING WITH BAND-WIDTH CONTROL
Walter Röhr, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany
Application November 9, 1939, Serial No. 303,595
In Germany November 9, 1938
4 Claims. (Cl. 250—20)



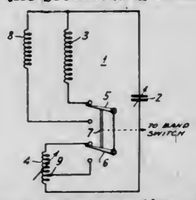
1. In a push-button receiver of the type provided with an operating member for each of a plurality of predetermined stations, means for adjusting the selectivity of the receiver, a pivoted member under the control of all said operating members, and connecting means between said pivoted member and the selectivity adjusting means, said pivoted member being actuated by any one of said operating members and, through the connecting means, adapted to adjust the selectivity adjusting means in a predetermined manner.

2,252,099
MANUFACTURE OF AROMATIC NITROGEN COMPOUNDS
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 20, 1938, Serial No. 230,781
8 Claims. (Cl. 260—580)

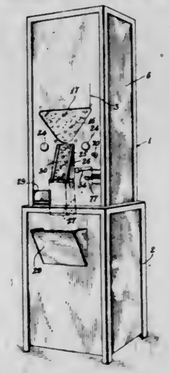
4. In the process of preparing a composition containing a large proportion of aromatic amines and adapted to be used as an anti-knock blending agent for motor fuels, by nitrating a hydrocarbon mixture containing a substantial proportion of aromatic hydrocarbons and reducing the aromatic nitro compounds thus formed to aromatic amines, the steps which comprise extracting a naphtha fraction of petroleum rich in aromatic hydrocarbons, but substantially free from olefins, with a solvent having a substantially greater solvent power for aromatic hydrocarbons than for paraffinic hydrocarbons, and removing said solvent from the extracted material prior to the nitration step.

2,252,100
SHORT-WAVE RADIO RECEIVER WITH BAND-SPREADING
Theodorus Antonius Spoor, Eindhoven, Netherlands, assignor to Radio Corporation of America, New York, N. Y.
Application May 9, 1940, Serial No. 334,113
In Germany June 28, 1939
4 Claims. (Cl. 250—40)

1. A tunable circuit for a multi-band receiver comprising a variable condenser, series-connected fixed and variable inductances shunted across the variable condenser, a second fixed inductance, and means for replacing the first fixed inductance by the second and simultaneously including in circuit only a portion of the variable inductance.

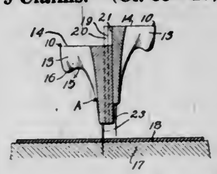


2,252,101
POPCORN VENDING MACHINE
Einar Tveter, Chicago, Ill.
Application July 5, 1938, Serial No. 217,620
14 Claims. (Cl. 221—112)



1. A pop corn vending machine comprising, in combination, a cabinet having a front wall and having a hopper enclosed in said cabinet and adapted to contain pop corn in bulk, a forwardly and downwardly inclined spout opening from the bottom of said hopper on an angle through said front wall to the front exterior of said cabinet, cut-off and discharge valves respectively in the upper and lower ends of said spout, and actuating means operable manually to open and close said valves alternately and in sequence, said actuating means being a self-contained unit mounted within and removable bodily from said cabinet.

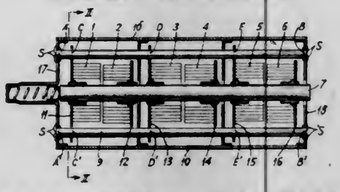
2,252,102
MULTIPLE NAIL FASTENER
Percy W. Valentine, Brooklyn, and Kalman Genin, Long Island City, N. Y.
Application March 30, 1940, Serial No. 326,906
9 Claims. (Cl. 85—10)



1. A pair of fastening devices of the class described each comprising an elongated plate portion, a plurality of pins spaced longitudinally of and protruding from the lower surface of said plate portion, an enlarged body centrally of the upper end of the plate portion forming a hammer

head, said head having a recessed portion for receiving a tool facilitating withdrawal of the pins of said device from a support, one side surface of said device being perpendicularly straight, said surface having adjacent one end of the device a projecting key and at the other end of the device a socket corresponding in cross-sectional contour to said key, and said key and socket extending throughout the full height of said surface.

2,252,103
ADJUSTABLE GANG CONDENSER
Wilhelmus Lambertus Leonardus Vivie, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 22, 1939, Serial No. 280,515
In Germany July 25, 1938
2 Claims. (Cl. 175—41.5)



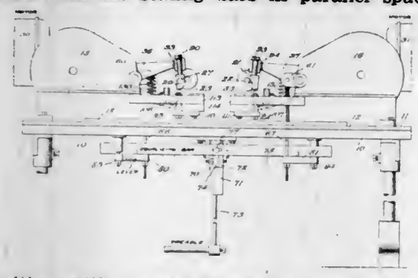
1. In a gang condenser of the slidable electrode type, a housing having a pair of end plates, a pair of cross rods extending between said end plates and rigidly affixed thereto, a slidable control shaft disposed in parallel relation to the cross rods and having affixed thereto in spaced relation a plurality of movable condenser electrodes, a plurality of stationary condenser electrodes, each cooperating with one of the movable electrodes and having a base plate rigidly attached to said cross rods, the spacing between the base plate of one end electrode and the housing plate at that end being closer than the spacing between the base plate of the opposite end electrode and the housing plate at that end, by reason of which on account of temperature changes the several base plates are subjected to unequal warping causing misalignment of the electrodes carried thereby with respect to their cooperating movable electrodes, said base plates of the stationary electrodes and the housing end plates being of material having substantially the same coefficient of expansion whereby capacity variations between the several units of the gang condenser due to temperature changes are avoided.

2,252,104
NONCORROSIVE ALLOY
Albert H. Walde, Philadelphia, Pa.
No Drawing. Application June 6, 1940, Serial No. 339,114
3 Claims. (Cl. 75—166)

1. A non-corrosive alloy of lead, comprising substantially 4.75%–6.00% of tin, substantially 4.50%–5.75% antimony, substantially 0.25%–1.75% copper, substantially 0.05%–0.25% arsenic, and the remainder lead.

2,252,105
THERMAL SEALING MACHINE
Harry F. Waters, New York, N. Y.
Application July 20, 1940, Serial No. 346,516
10 Claims. (Cl. 93—8)

1. In a heat sealing mechine, the combination which comprises a pair of sealing units, each of said units including a sealing bar and heating means and a backing member for said bar, means for individually and independently displacing said units with the sealing bars in parallel spaced

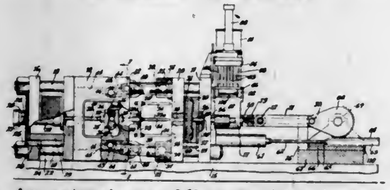


position with respect to each other to adjust the distance between the sealing bars of said units, and means for simultaneously actuating said units to apply heat and pressure to two parallel marginal strips of a sheet bearing fusible material in one operation.

2,252,106
PACKAGING METHOD
Harry F. Waters, New York, N. Y.
Application October 5, 1940, Serial No. 359,823
14 Claims. (Cl. 93—3)

1. The method of fluid-tight packaging which comprises providing a collapsed envelope fluid-tight on at least the inner surface thereof and having only two layers of flexible sheet material in face to face position including the seams, erecting said envelope on a mandrel, combining said erected envelope with a carton, filling said envelope with contents, bringing the mouth portions of said filled envelope into flattened face to face position, and then sealing said flattened mouth portions thereby to obtain a package completely free from reentrant folds and layers of increased thickness in the sealed regions.

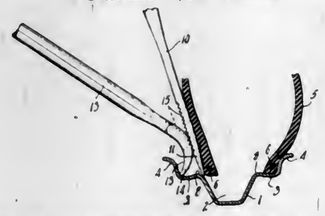
2,252,107
EXTRUSION MOLDING MACHINE
Millard F. Weida, near Louisville, Ohio
Application January 11, 1939, Serial No. 250,394
11 Claims. (Cl. 18—30)



1. An extrusion molding machine including a stationary support, a head movable toward and from said support, complementary mold blocks carried by the support and head, a crosshead means for reciprocating the cross-head toward

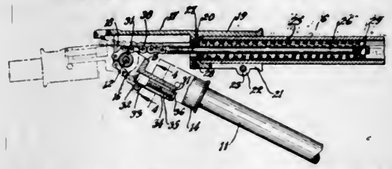
and from said support, T-shape levers having the ends of their upright arms pivotally connected to said crosshead, links pivotally connecting one end of the cross arm of each of said T-shape levers to said movable head, pins upon the other ends of the cross arms and at the intersections of the cross arms and upright arms of said T-shape levers, a frame having horizontal guide ways in which said pins are movable, and oppositely disposed notches in the inner ends and intermediate the ends of said guide ways for receiving said end pins and intermediate pins respectively for throwing said links over center when the mold blocks are in closed position.

2,252,108
TIRE TOOL
Raymond S. Worthington, Akron, Ohio, assignor to The Kennedy Service Tools Company, Mogadore, Ohio, a corporation of Ohio
Application November 12, 1940, Serial No. 365,274
4 Claims. (Cl. 157—6)



1. A tire tool comprising a lever member having an operative end constructed and arranged to be inserted into the space between the bead of a tire and the flange of a rim, and a fulcrum member having a hooked end constructed and arranged to be inserted into the space between the bead of a tire and the flange of a rim, said lever having a substantially elongated flat outer portion adjacent said operative end, said fulcrum member having an inner convex surface on a comparatively wide arc in rolling engagement with said flat outer surface of said lever member as the angular relation of said members is changed, said rolling engagement acting to force said operative end of said lever and said hooked end of said fulcrum member apart to spread the bead away from the rim flange.

2,252,109
AWNING ARM ADJUSTMENT
Otto J. Ackerman, Cleveland, Ohio, assignor, by mesne assignments, of one-half to Topeka Tent & Awning Co., Topeka, Kans., a corporation of Kansas
Application October 8, 1938, Serial No. 234,019
3 Claims. (Cl. 156—42)

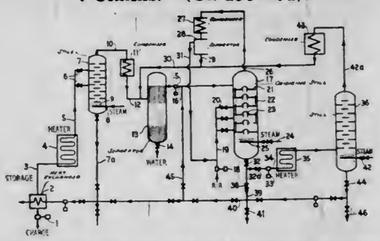


3. In a folding awning arm construction including inner and outer arms hinged together, at least one of said arms being tubular, tensioning means urging said arms to unfolded position including a spring in said tubular arm, a connector rod connected at one end to said spring, a linkage pivotally connected at one end to the other end of said connector rod, the other awning arm having a channel groove therein, said groove having a restricted longitudinal open side, an anchor member having complemental surfaces slidably mounted in said groove and detachably connected to the other end of said linkage, and means for adjusting the position of said anchor member in said groove.

2,252,110
METHOD AND AGENT FOR BREAKING WATER-IN-OIL EMULSIONS
Bradshaw F. Armendt, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 17, 1938, Serial No. 214,315
14 Claims. (Cl. 252—333)

1. A method for breaking a petroleum emulsion of the water-in-oil type which comprises subjecting the emulsion to the action of a demulsifying agent comprising a sulfonic body derived from a non-paraffinic extract of a petroleum oil boiling within the lubricating oil range.

2,252,111
METHOD OF MANUFACTURING ASPHALTS
Augustus H. Batchelder, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application November 12, 1938, Serial No. 239,995
7 Claims. (Cl. 196—74)

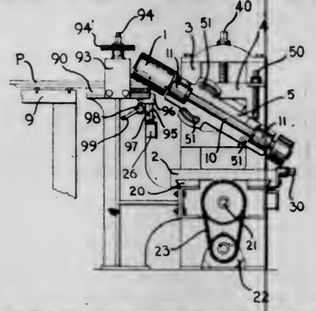


1. The method of manufacturing an asphalt from a charging stock containing asphaltenes, oily constituents, and asphaltic resins, substantially without converting such asphaltic resins into asphaltenes, comprising separating oily constituents from the asphaltic resins and asphaltenes and separately airblowing said oily constituents, whereby additional asphaltenes are formed without converting the asphaltic resins in the charging stock to asphaltenes, commingling said additional asphaltenes with asphaltenes and asphaltic resins obtained from the charging stock without airblowing.

2,252,112
SCARFING MACHINE
William C. Bailey, Seattle, Wash., assignor to United States Plywood Corporation, Seattle, Wash., a corporation of New York
Application August 25, 1939, Serial No. 291,923
4 Claims. (Cl. 144—117)

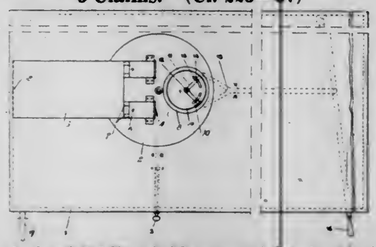
1. A scarfing machine comprising a panel supporting table, stop means retractable beneath the surface, and disposed at an edge of the table, to engage, when projected, and to position an edge of a panel which rests upon the table, means to project and to retract such stop means, a cutter head disposed at a scarfing angle to and for engagement with such positioned panel edge, a carriage, means guiding the carriage for move-

ment parallel to such positioned panel edge, a frame, of the cutter head and table one being supported upon the frame in fixed position and the other being supported upon the carriage for relative movement, electrical means to effect such



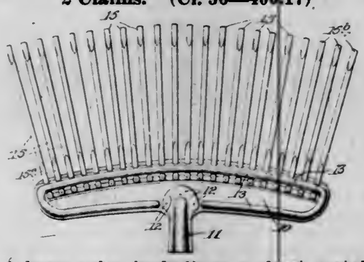
relative feeding movement, and means included in the circuit of said electrical feeding means, and operatively connected to the stop means, to hold the circuit open so long as the stop means are projected, and thus to interdict operation of the feeding means.

2,252,113
IRONING BOARD
Markus Moes, Arnhem, Netherlands
Application October 26, 1937, Serial No. 171,042
In the Netherlands February 20, 1937
3 Claims. (Cl. 223—37)



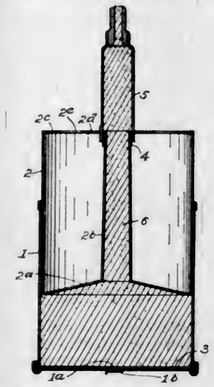
1. A short folding table comprising in combination, a table and a plate arranged above said table to be rotated about a vertical axis and to be turned through 180° about a horizontal axis.

2,252,114
LAWN RAKE
Edward K. Brown, Winnetka, Ill., assignor to Brown-Shields, Inc., a corporation of Illinois
Application September 16, 1939, Serial No. 295,293
2 Claims. (Cl. 56—400.17)



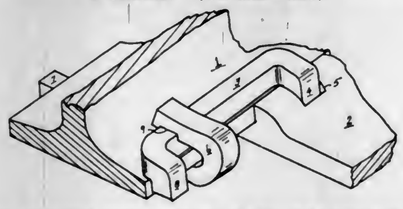
1. A lawn rake, including: a sheet metal supporting plate; means for attaching a handle to said plate; a pair of parallel shoulders on said plate, each having a series of slots therein, the slots in one shoulder being aligned and in the same plane with those in the other to form pairs; a plurality of tines attached to the supporting plate, each having a straight shank on its inner end, said shank extending through a pair of said slots; and a third parallel shoulder on said plate, against which shoulder the inner ends of the tines abut.

2,252,115
FILLER FOR GREASE GUNS
Walter D. Brue, Center Township, Winnebago County, Iowa
Application September 26, 1940, Serial No. 358,448
2 Claims. (Cl. 221—47.5)



1. In combination, an open top receptacle for grease or the like, having a central bottom aperture, a discoidal imperforate member superposed upon said bottom part, a sealing member rockably pivoted to one side of the under face of the receptacle to close the aperture therein, a hollow sleeve mounted for vertical reciprocation and to fit the inner wall of the receptacle, the sleeve having an upwardly coned basal part with an upwardly directed central and slightly upwardly coned spout, and also having a centrally apertured top plate whose aperture is spaced from and around the upper end of the spout to receive therethrough an open end part of a grease gun, and an elastically compressible slightly coned device removably fitted upon the upper end of the spout to removably enter and fit the lower open end part of the grease gun.

2,252,116
TWO-WAY RAIL FASTENING
Ralph P. Clarkson, Milford, Conn.
Application July 31, 1940, Serial No. 348,620
5 Claims. (Cl. 238—315)

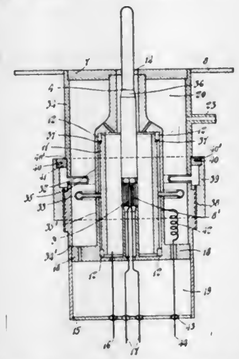


2. In track construction, a two-way holding device for a railroad rail comprising an anchor bar positioned on and extending along the rail base and provided with a downwardly projecting portion of rail spike width engaging a spike opening in an adjacent tieplate and a separate clamping member adapted to be drive over said anchor bar, intermediate the ends of the bar, and extend below said rail to clamp said anchor bar to said rail base, of such character that said anchor bar is engaged intermediate its ends and held rigidly against upward movement relative to the rail base and frictionally against any movement longitudinally of said rail.

2,252,117
BENZOIC ACID PURIFICATION
Courtney Conover, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Original application June 16, 1930, Serial No. 461,659. Divided and this application September 5, 1939, Serial No. 293,406
7 Claims. (Cl. 202—46)

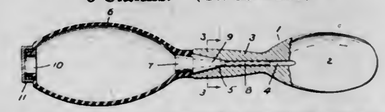
1. The method of separating small amounts of phthalic acid impurities from benzoic acid which comprises steam distilling the benzoic acid, condensing the vapors whereby two liquid layers are formed, one consisting essentially of relatively pure benzoic acid, the other consisting essentially of a water solution of benzoic and phthalic acids, returning the water layer to the crude product undergoing steam distillation and isolating the benzoic acid layer.

2,252,118
ELECTRON TUBE
Walter Dallenbach, Berlin-Charlottenburg, and Alfred Allerding, Friedrichshagen, near Berlin, Germany, assignors to Julius Pintsch Kommanditgesellschaft, Berlin, Germany
Original application June 18, 1936, Serial No. 85,980. Divided and this application March 25, 1939, Serial No. 264,246. In Germany June 20, 1935
2 Claims. (Cl. 250—27.5)



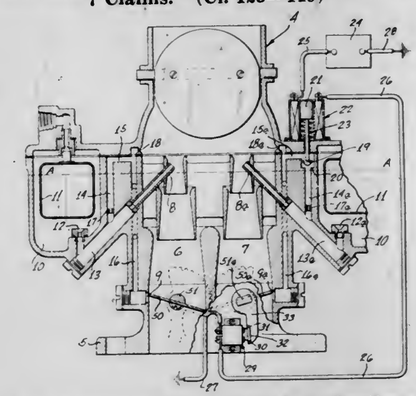
1. An ultra-high-frequency electron apparatus comprising a cathode, an expansible internal conductor aligned with said cathode, a cylindrical electrode surrounding the cathode concentrically thereto, a resonator casing concentrically surrounding said electrode and comprising a pair of aligned and yieldable sections, a plate closing one end of the resonator casing and having said internal conductor fixed to and insulated from said plate, a metallic envelope concentrically surrounding said resonator casing and closed at one end by said plate, said envelope comprising aligned sections and yieldable means connecting said sections, and an outer band screwed on one section of the metallic envelope and engaging the other to regulate the distance between the sections of the metallic envelope.

2,252,119
INFANT'S OR INVALID'S FEEDING SPOON
Henry N. Edmonds, Anderson, S. C.
Application February 3, 1940, Serial No. 317,183
5 Claims. (Cl. 30—125)



1. An infant's or invalid's feeding spoon comprising a bowl, a stem provided with a bore of predetermined diameter at its inner end and enlarged at its outer end, and a feed reservoir provided with a discharge nozzle having a tubular outer end portion of predetermined diameter to fit within the inner portion of the bore of the stem and an outer enlarged portion to detachably engage the enlarged portion of the bore.

2,252,120
CARBURETOR
George R. Ericson, Kirkwood, Mo.
Application December 10, 1940, Serial No. 369,423
7 Claims. (Cl. 123—119)

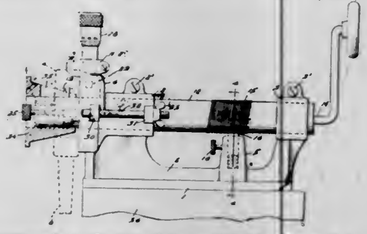


1. In a multicylinder internal combustion engine, an induction system comprising a plurality of induction conduits each independently supplying a part of all the engine cylinders, throttle valves for each of said conduits, main and idling fuel passages leading to each of said conduits, and means co-acting with the throttle valve for closing the idling fuel passage to part of said conduits when the throttle valves are moved to a pre-selected idling position.

2,252,121
REBORING MACHINE
Elmer A. Fuglie, Winona, Minn.
Application December 10, 1940, Serial No. 369,506
2 Claims. (Cl. 77—3)

1. In a machine of the class described, a base, a tool operating shaft endwise slidable on said base and rotatable thereon and having a front tool carrying end, a cutting tool mounted in said end of the shaft and adjustable endwise into different set positions diametrically thereof, and means to predetermine the settings for said tool

comprising a split clamping block arising from said base over the front end of the shaft and having a recess therein into which the tool may be retracted by endwise movement of said shaft, and



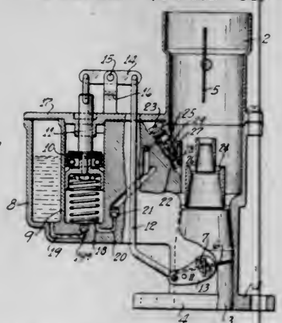
a micrometer clamped in said block and having a stem extending into said recess and adjustable radially of said shaft for engagement by the cutting end of the tool to predetermine the setting thereof.

2,252,122

CARBURETOR STRUCTURE

Dwight Gordon, St. Louis County, and Harold A. Carlson, University City, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application August 29, 1936, Serial No. 98,450
3 Claims. (Cl. 261—34)



1. In a carburetor, a mixture conduit including a partially restricted portion forming a zone of substantial suction during operation, an accelerating pump, a discharge passage for said pump having a restricted orifice adjacent said suction zone for forming a jet of acceleration fuel, an air chamber between said orifice and the wall of said mixture conduit and having an enlarged intermediate portion and a partially restricted outlet opening substantially flush with said conduit wall and aligned with said orifice, and an air bleed duct for said air chamber, said chamber being proportioned as to length and cross section so that said acceleration jet will pass therethrough beyond said conduit wall without substantial diffusion or wall friction and said air bleed duct having effective cross sectional area and capacity substantially equal to or greater than said outlet opening whereby suction applied to said outlet opening will be substantially satisfied by air in said bleed.

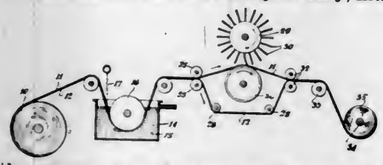
2,252,123

METHOD OF PRODUCING MOIRÉ PATTERNS

Herman Gross, Brooklyn, N. Y.

Application September 16, 1939, Serial No. 295,184
4 Claims. (Cl. 26—69)

1. The method of producing moiré scratch patterns in fabrics, which comprises folding said fabric transversely into a two-layer web, scratching a moiré pattern on one of said layers only, matching the weave of said layers and applying heat and pressure to the two layers so as to cause the design to be reproduced upon the surfaces of both of said layers.



2,252,124

SIGN

Hiram D. Hanson, Oakland, Calif.

Application October 4, 1939, Serial No. 297,851
4 Claims. (Cl. 40—133)



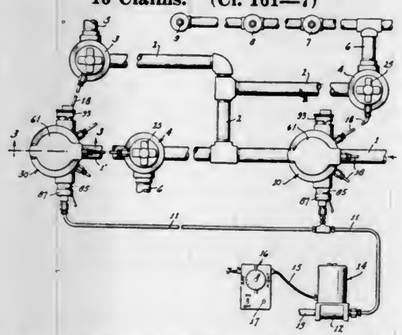
4. The combination with a sign which includes illuminated line characters, of a masking member comprising a tubular translucent guide in registry with said characters, an opaque cord slidable through said guide, a drag line connected with the ends of said cord, and means for pulling said line and cord through said guide to produce a masking effect.

2,252,125

VALVE CONTROL SYSTEM

Fred Hauser, Culver City, Calif.

Application May 16, 1939, Serial No. 274,069
16 Claims. (Cl. 161—7)



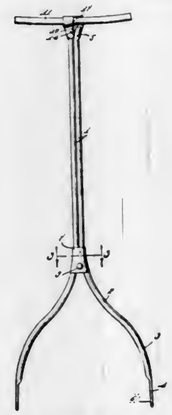
1. In a system for sequential operation of service valves: a control head comprising three sections removably connected together and including an upper section containing a motor means, a lower section including an hydraulic means for energizing said motor means, and a bottom section including a pressure chamber, a bleeder chamber, a plurality of service ports, and a control valve associated with each of said service ports and adapted to selectively connect said ports with either said pressure chamber or bleeder chamber, continuously movable valve operating means carried within the bottom section, a driving connection between said valve operating means and motor means, and a service valve connected to each of said ports, each of said service valves being adapted to open when connected to the bleeder chamber and to close when connected to the pressure chamber, said valve operating means being adapted to sequentially move said control valves to connect ports associated therewith with the bleeder outlet and thereby sequentially open said service valves, said control valves automatically acting to connect the pressure chamber with the service valves and close the same when said valve operating means is not acting on said control valves.

2,252,126

LAWN MOWER HANDLE

Robert S. Kersey, Muncie, Ind., assignor to Great States Corporation, Shelbyville, Ind., a corporation of Indiana

Application February 15, 1940, Serial No. 319,023
4 Claims. (Cl. 56—249)



1. A lawn mower handle comprising a pair of complementary members arranged side by side, each having a straight portion and an outwardly bowed portion, the straight portions of the two members, when assembled, lying parallel and the bowed portions forming a yoke, a pair of clamps embracing the parallel members, each clamp having a pair of grooves in its meeting face diverging toward its bottom to receive a part of the straight portion and a part of the bowed portion, a cross member at the top of the straight portion, and clamping means for connecting the cross member to the straight portion.

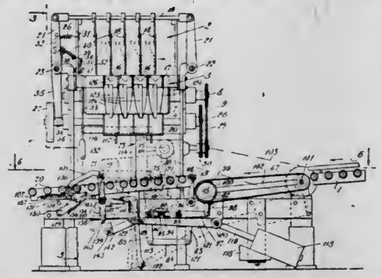
2,252,127

FEEDING MECHANISM FOR BOTTLE PACKING MACHINES

Wallace D. Kimball, Jackson Heights, N. Y., assignor to Standard-Knapp Corporation, Long Island City, N. Y., a corporation of New York

Application February 11, 1938, Serial No. 189,917
14 Claims. (Cl. 226—14)

10. In a machine of the character described, a conveyor for a continuous line of cases to be filled, elevating mechanism for raising a case from the conveyor into charge-receiving position above the conveyor, means for removing the filled case from the machine, means cooperating with the conveyor for feeding the cases one at a time into position to be elevated by the elevating mechanism, and means actuated by the removing means for restraining the feeding mechanism from feeding a succeeding case to the elevating mechanism until the preceding case has been removed.

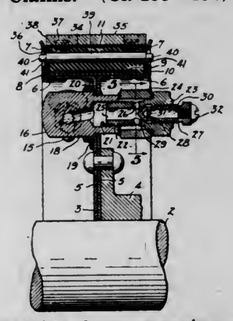


2,252,128

FRICTIONAL TORQUE TRANSMITTING DEVICE

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 2, 1940, Serial No. 349,543
7 Claims. (Cl. 188—152)



1. The releasable drum engaging element of a torque transmitting device comprising a supporting member having a continuous circumferential channel, a series of shoes slidably mounted in said channel, each shoe comprising a base member and a facing of slip-resisting material, each base member having side flanges extending toward the bottom of the channel, an inflatable annulus mounted in said channel between said shoes and the bottom of the channel, said annulus having a tread portion engaging the base members of the shoes and fitting between the side flanges thereof, means for attaching the brake shoe flanges to said tread, means for guiding each shoe for radial movement in said channel, and means for admitting fluid under pressure to said annulus to expand the same radially.

2,252,129

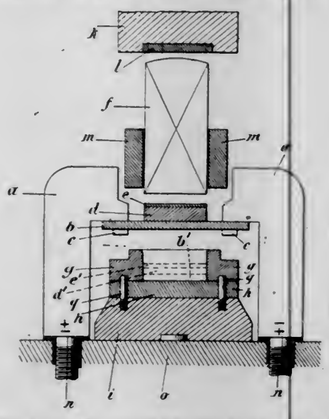
PROCESS FOR THE PRODUCTION OF HARD BODIES, ESPECIALLY OF CUTTING, DRAWING, AND SIMILAR TOOLS

Anton Kratky, Vienna, Germany, assignor to Forged Carbides Incorporated, New York, N. Y., a corporation of Delaware

Application June 13, 1939, Serial No. 278,911
7 Claims. (Cl. 75—22)

1. The process of producing hard bodies from finely powdered refractory material, which comprises, pressing the material to form a body, placing the pressed body between upper and lower carbon lamellae above a matrix, passing

electric current through the carbon lamellae to heat the pressed body to a forging temperature, and driving the heated pressed body and the surrounding heated carbon lamellae by a hammer die into the matrix to forge the pressed body, the hot heat insulating carbon lamellae serving to protect the body during cooling in the matrix.

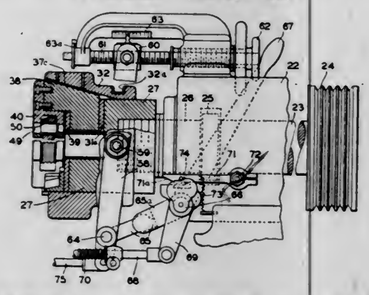


2,252,130

THREAD ROLLING HEAD

Merle W. Lamprecht and Harold N. Anderson, Rocky River, Ohio, assignors, by mesne assignments, to The Hill Acme Company, Cleveland, Ohio, a corporation of Ohio

Application February 13, 1939, Serial No. 256,106
6 Claims. (Cl. 80—10)



1. Means for rolling threads in a substantially cylindrical blank comprising a head having a centrally located opening for passing said blank therethrough, a plurality of roller dies rotatably mounted in said head about said opening, there being ribs on said dies for rolling depressions in a blank to the root of the thread to be formed on it, said ribs having profiles corresponding to the profile of the thread to be rolled by them, there being a plurality of ribs on each die spaced apart with the pitch of the thread to be rolled, the portions of the ribs of said dies nearest the axis of said head being arranged about said axis in a helical path corresponding to the helix of the thread to be formed on said blank, there being a plurality of said ribs having their crests located progressively nearer the axis of said head and adapted to enter the material of the blank to roll a thread thereon, and the crests of ribs on one die being of height intermediate the crests of ribs on the other dies preceding and following it along said helical path.

2,252,131

METHOD OF FINING GLASS AND BATCH THEREFOR

Aaron K. Lyle, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

No Drawing. Application July 1, 1939, Serial No. 282,483
7 Claims. (Cl. 106—52)

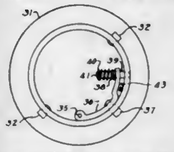
1. A batch composition for a clear, colorless, transparent glass of the soda-lime type, comprising a material containing tellurium, and sufficient of a material selected from the group consisting of arsenic and antimony oxides to prevent the tellurium from discoloring the glass.

2,252,132

ANTIFRICTION ROLLER FOR SKATES AND THE LIKE

Frank G. Mazveskas and Victor A. Mazveskas, Cleveland, Ohio

Application August 20, 1940, Serial No. 353,364
1 Claim. (Cl. 301—108)



In a bearing, a tubular metallic sleeve having bearings therein, a metallic end cap for said sleeve comprising a portion fitting into said sleeve and having an opening therein, means for locking said cap to the sleeve, said means including a curved arm secured interiorly to the portion of the cap that extends into said tube and lying against the inner wall thereof, and a pin projecting from said arm through the opening in the end cap, said sleeve having an opening registering with the opening in the end cap and receiving the end of said pin to lock the end cap in place.

2,252,133

METAL FABRICATING COMPOUND

Arnold J. Morway, Roselle, and John C. Zimmer, Hillside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 12, 1937, Serial No. 174,222
11 Claims. (Cl. 252—48)

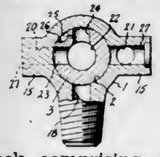
1. An improved metal fabricating oil comprising a mildly sulphurized mineral lubricating oil containing not more than 2% of added sulfur in a soluble, corrosive form and an oil-soluble ester of an acid of phosphorus, the compound being clean and transparent.

2,252,134

GAS COCK

Ervin H. Mueller, Grosse Pointe Park, Mich.

Application September 9, 1938, Serial No. 229,072
3 Claims. (Cl. 251—109)



1. A gas cock comprising a body, a valve chamber in the body, two outlet passages for gas burners, one connecting into the valve chamber substantially at one end of the chamber and the other connecting into the valve chamber at a point intermediate the length of the chamber, a gas inlet passage connecting into the valve chamber at a point intermediate the length of the valve chamber and circumferentially removed from the said other outlet passage, a rotary valve plug seated in the chamber and having an axial bore therein which is open at the end of the plug adjacent to and in communication with the said one outlet passage, said valve plug having a plurality of radial ports therein leading into the bore, said ports being angularly disposed relative to each other, said valve plug being turnable in the valve chamber to the following positions, to-wit: (1) where the plug closes the inlet passage; (2) where one port registers with the inlet passage for the flow of gas through the bore and said one outlet passage while the plug closes the said other outlet passage; and (3) where one of the ports registers with the inlet passage and another of the ports registers with the said other passage for the flow of gas through the bore and both outlet passages and an auxiliary passageway in the plug opening into one of the ports and opening on the periphery of the plug between the two radial ports, for continued flow of gas into the bore as the auxiliary passageway moves across the inlet passage.

2,252,135

WHEEL VEHICLE TRAIN, UNIT, AND CONNECTION

Otto I. Oyler, Canton, Ohio

Application June 19, 1940, Serial No. 341,329
14 Claims. (Cl. 280—33.2)



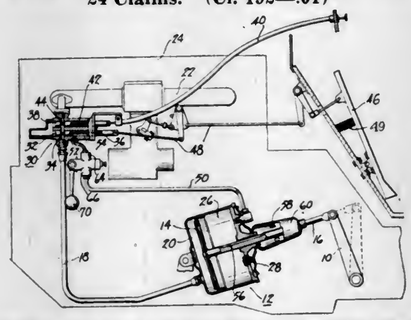
8. In a vehicle train, a first vehicle unit and a second vehicle unit having adjacent ends and loading planes, rigid bar means upwardly and downwardly inclined with respect to the loading planes and between the adjacent ends of the units, the bar means having upper and lower ends, and upper and lower means connecting the upper and lower ends of the inclined rigid bar means between the units for swinging with respect to each other and each unit when the units turn with respect to each other.

2,252,136

CLUTCH OPERATING MECHANISM

Harold W. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 14, 1932, Serial No. 622,513
24 Claims. (Cl. 192—.01)



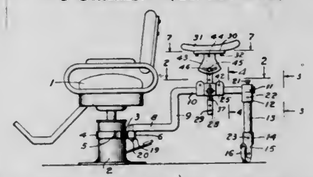
1. In a power operated clutch operating mechanism for an automotive vehicle provided with a clutch, power operated means controllable to effect a disengagement of the clutch and an engagement of the clutch, and means cooperating with said power means and operative to limit the rate of change of speed of the vehicle, under the action of its clutch, to a predetermined maximum.

2,252,137

BARBER CHAIR AUXILIARY SEAT

Perry Rummerfield, Alameda, Calif.

Application August 29, 1938, Serial No. 227,290
3 Claims. (Cl. 155—81)



1. An auxiliary seat for a barber's chair comprising a laterally extending flat sided supporting bar, means pivotally mounting one end of the bar to the base of a barber's chair for swinging horizontally about the same, a depending post with rollers at the rear end of said bar supporting it at a fixed height from the floor, a carriage block through which said bar extends freely slidable along said bar between the chair and said rollers, a post extending through and vertically adjustable with respect to said block, and a seat carried by said post, said post provided with a plate at its upper end to which the seat is secured, and means pivoting said plate to the side of the post for angular adjustment of the seat.

2,252,138

PROCESS FOR PRODUCTION OF THIOETHERS

John T. Rutherford, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 21, 1941, Serial No. 375,295
11 Claims. (Cl. 260—609)

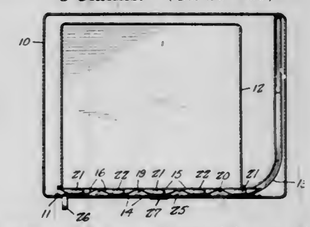
1. The process of manufacturing alkyl thioethers, substantially without formation of mercaptans or polysulfides, comprising absorbing olefins and hydrogen sulfide in concentrated sulfuric acid, diluting and hydrolyzing the resulting acid mixture and separating the alkyl thioethers from the hydrolyzed mixture, the sulfuric acid being regenerated by such steps.

2,252,139

OVEN

Viola K. Schlacter, Rock Springs, Wyo.

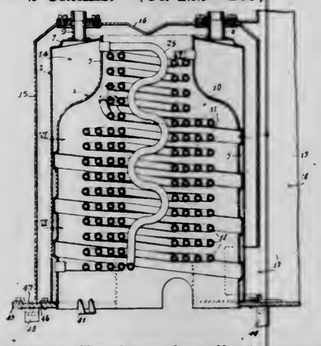
Application April 8, 1940, Serial No. 328,579
3 Claims. (Cl. 20—20)



1. A flexible closure, comprising a plurality of

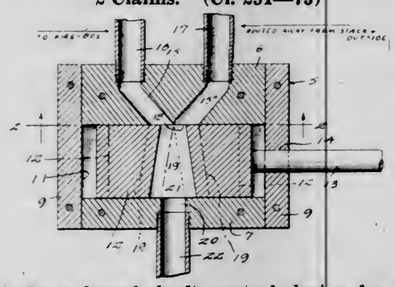
hingedly connected units, each of the units involving inner and outer spaced plates, an intermediate arched plate between said inner and outer plates, the arched plate being fixed to the outer plate and flanged to the inner plate, and rollers fitted between the inside and outside plate of each unit.

2,252,140
BOILER
Joseph P. Seamons, Hollywood, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application August 19, 1940, Serial No. 353,166
2 Claims. (Cl. 122—169)



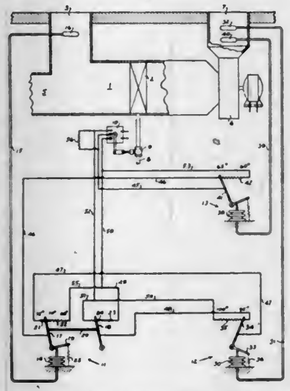
2. A boiler of the type described, comprising: a vertical, tubular inner boiler wall defining a passage for heating gases, a tubular outer boiler wall surrounding said inner wall and connected thereto at the top and bottom whereby the two walls together define an annular water chamber, a water tube positioned within said passage and connected at its opposite ends to the lower and upper ends, respectively, of said annular water chamber, said inner wall having a helical corrugation extending outwardly therefrom into contact with said outer wall, and welded thereto at intervals to prevent collapse of said inner wall vertical grooves extending therefrom at intervals under steam pressure, said corrugations having to provide vertical paths for water circulation.

2,252,141
VALVE
Horace Y. Seidel and John J. Dusco, Pottstown, Pa.
Application June 28, 1939, Serial No. 281,721
2 Claims. (Cl. 251—73)



1. In a forced draft control device for locomotive boilers, a valve chamber having an inlet passage in one side and a pair of outlet passages in the opposite side, the said outlet passages disposed so that their inner ends are proximate while their outer ends diverge, and a valve mounted to reciprocate in the said chamber having a tapered passage operable to provide communication between the inlet passage and either of the outlet passages and partially with both of the said outlet passages.

2,252,142
AIR CONDITIONING SYSTEM
Andrew B. Simon, Cleveland, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 3, 1938, Serial No. 232,943
13 Claims. (Cl. 236—37)

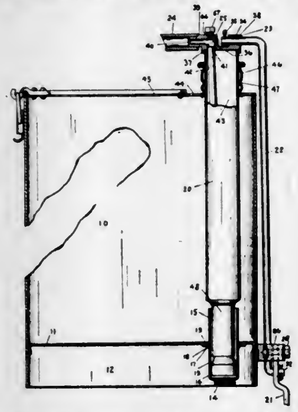


2. In a system for controlling the condition in a space, in combination, means for supplying conditioning medium to said space, condition changing means for controlling the condition of the medium supplied to said space, control means responsive to the condition of the space being controlled, motor means for controlling said condition changer, control line means between said control means and said motor means for rendering said control means effective to control said condition changer, a high limit controller connected into said control line means and responsive to the condition of the medium being supplied for normally preventing the condition of the supplied medium from rising above a predetermined value, and means actuated in response to the condition in said space being controlled falling below a predetermined value for rendering said high limit controller means ineffective.

2,252,143
PUMP
Myron H. Smith, New Hartford, N. Y., assignor to D. B. Smith & Company Inc., Utica, N. Y., a corporation of New York
Application March 18, 1940, Serial No. 324,505
4 Claims. (Cl. 221—102)

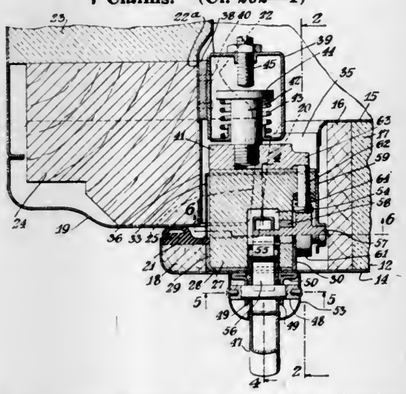
1. In a knapsack sprayer pump the combination of a liquid holding receptacle having an apertured top with a vertically arranged collar bounding said aperture, a closed well projecting downwardly below the bottom of the receptacle in alignment with said collar, a guide projecting upwardly from the top of the well and having its side wall in alignment with the well and having perforations in its lower part, a barrel reciprocatingly mounted in said top collar and having a lower extension of smaller diameter, a closure disc for the lower part of said extension spaced slightly up from its lower extremity and

having its central portion thickened and provided with a central threaded aperture therein, a plunger cup having its downwardly extending skirt fitting the inner wall of said well and guide, the diaphragm portion of said cup being mounted in the lower extremity of said barrel extension and bearing against the lower face of said closure disc and having a central hole registering with the hole in the disc, a centrally bored, bolt-like plug having its shank portion exteriorly threaded and fitting the threading of said aperture of the disc, the enlarged head of said plug



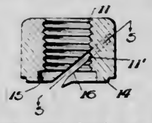
bearing against the plunger cup adjacent the hole thereof and detachably holding the cup upon the barrel extension, the bore of said plug being smaller near its lower end and thus forming a valve seat, a valve ball in said bore intermediate in size between the two parts of the said plug bore and adapted to fit down upon said seat and close the same but adapted when raised therefrom to let liquid pass thereby up through the plug, means for yieldingly urging said ball valve down and for retaining it in the bore of the plug, an outlet for liquid at the top of the barrel and means for reciprocating said barrel.

2,252,144
REFRIGERATOR DOOR LATCH
Robert S. Taylor and Clement Decker, Evansville, Ind., assignors to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 27, 1937, Serial No. 181,738
7 Claims. (Cl. 292—1)



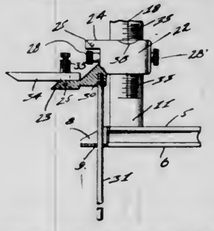
5. In combination with a cabinet having a door provided with a movably mounted handle to facilitate opening of the door, latch mechanism including a magnet element and a cooperating armature element to hold the door in closed position under the influence of the magnetic field in the magnet element, said elements being mounted on the cabinet and door in a manner such that the element on the cabinet is in the path of movement of the element on the door, and movable means associated with one of said elements and adapted to be actuated by said handle for separating said elements against magnetic attraction upon movement of said handle.

2,252,145
BOLT AND NUT LOCK
Victor H. Van Sant, Westfield, N. J., assignor of one-third to Wilbur B. Driver, Newark, N. J., and one-third to Henry Kershaw, Belleville, N. J.
Application September 23, 1939, Serial No. 296,313
2 Claims. (Cl. 151—21)



1. In a bolt and nut lock, a bolt having a screw-threaded portion, a nut having a bore provided with screw-threads to receive the screw-threaded portion of the bolt, said nut being provided at its inner end with a recess having a greater diameter than the diameter of the screw-threaded bore of the nut, said nut being provided in its periphery with an inclined slot extending through the screw-threads of said bore and the wall of said recess for forming a finger, said slot also passing through the inner end of the nut, said finger being resilient and having a part near its free end projecting outwardly beyond the inner end of the nut, the inner portion of the finger having portions of the screw-threads of the nut formed thereon while the outer portion of the finger includes the wall of the recess and is free from screw-threads and unlocked from the screw-threads of the bolt.

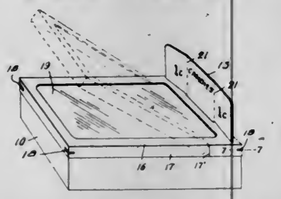
2,252,146
MEASURING INSTRUMENT
Joseph Francis Walsh, Newport, R. I.
Application August 28, 1940, Serial No. 354,615
2 Claims. (Cl. 33—170)



1. In a gauge, an elongated base having one end beveled and provided with a recess opening outwardly through the top face of the base and said beveled end, said base having an opening connecting with the recess, a scale post secured to and rising from the base adjacent the recess, a sleeve slidable on said post, means for adjusting said sleeve on the post, a block formed on said sleeve and bifurcated to provide superimposed extensions one of an increased length

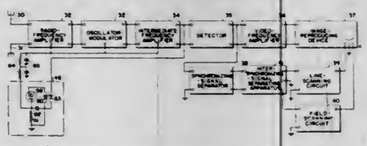
over the length of the other extension and provided with a screw threaded socket aligning with the opening to receive a screw threaded end of a depth gauge rod movable through the opening of said base, the lowermost extension having a stepped lower face to enter said recess of the base and permit a portion of the lower face of the latter-named extension to move into a position flush with the bottom face of said base, and means for removably mounting a scriber on either of said extensions.

2,252,147
DISPLAY CLOSURE FOR BOXES
Harold R. Warren, Milton, Mass.
Application March 28, 1939, Serial No. 264,555
1 Claim. (Cl. 206—44)



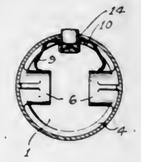
In combination with a cardboard box having end and side walls, a cardboard sign member having a stem portion attached to one of the box end walls and having sign portions extending upwardly and laterally therefrom above the top edge of the box wall, the side portions of the sign portions being adapted to be folded one on the other over the middle portion thereof, a display cover having edge flanges fitted to the box, and having an end portion flexibly connected to the main portion thereof, said end portion having a transverse slot of a length corresponding to the transverse dimension of the sign member when in folded position, said sign member being inserted thru said slot and unfolded to lock said cover end portion to the box and permit it to act as a hinge member when the main portion of the cover is lifted.

2,252,148
TELEVISION CARRIER SIGNAL RECEIVER
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Original application June 7, 1939, Serial No. 277,861. Divided and this application September 5, 1940, Serial No. 355,442
4 Claims. (Cl. 178—7.5)



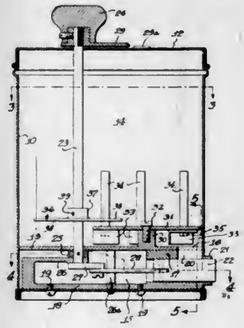
1. A television carrier-signal receiver adapted to receive a carrier wave modulated with video-frequency components and a composite synchronizing signal including field-synchronizing components and line-synchronizing components of greater amplitude than said field-synchronizing components comprising, means for rectifying only the line-synchronizing components of the received signal, said line-synchronizing components having an amplitude varying only in accordance with the amplitude of the received signal, a time-constant circuit coupled to said rectifying means and having a time constant sufficiently long only to suppress components of frequencies of the order of the frequency of said line-synchronizing components, and means for deriving a control effect from said time-constant circuit and for utilizing it to control an operating characteristic of said receiver.

2,252,149
PISTON STABILIZER AND RECAM
Dale J. Wherry, St. Louis, Mo.
Application January 6, 1941, Serial No. 373,223
9 Claims. (Cl. 309—5)



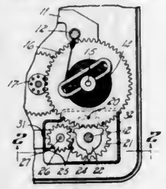
1. In a piston of the kind described having an opening through its side wall, a resilient shell supportingly inserted into said piston so a portion engages within the latter and another portion spaced radially from the first portion bears against said side wall; and a plug carried by said shell to be unitary therewith and thrust radially through said opening.

2,252,150
DISPENSER
Albert Whitfield, Dearborn, Mich.
Application December 6, 1939, Serial No. 307,881
3 Claims. (Cl. 221—102)



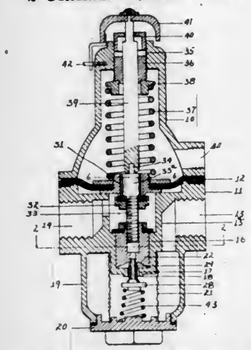
1. In a dispenser of the character described, a container having a lower wall provided with an opening therethrough for passage of material in said container, a cylinder within said container beneath said lower wall, said cylinder in the side wall thereof having an opening communicating with the opening in said lower wall for passage of the material into said cylinder, said cylinder having an outlet for passage of material externally of said container, a plunger in said cylinder operable to discharge material from said outlet, manually operable means externally of said container for operating said plunger, means operatively connecting said manually operable means and said plunger, means for moving material into said opening, and means operatively connecting said last-named means and said manually operable means and operable to agitate the material in said container.

2,252,151
INDICATING MECHANISM FOR CLOCKS
Othneil G. Williams, Winsted, Conn., assignor to William L. Gilbert Clock Corporation, Winsted, Conn., a corporation of Connecticut
Application April 4, 1939, Serial No. 265,879
3 Claims. (Cl. 58—2)



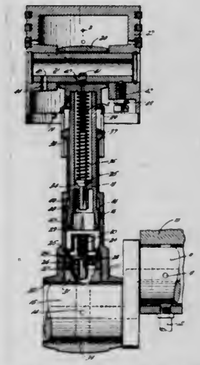
1. In a clock, a drive mechanism for operating the time movement of the clock, an indicating gear, means for operatively connecting said gear to said drive mechanism, said gear having a mutilated portion for rendering said connecting means ineffective to rotate said gear when said gear has been moved into a predetermined position, and frictional means for preventing accidental movement of said gear and permitting resetting thereof.

2,252,152
PRESSURE CONTROL VALVE
Ernest Willy Work, New Britain, Conn., assignor to Patent Development Company Limited, Toronto, Ontario, Canada, a company
Application December 15, 1939, Serial No. 309,357
2 Claims. (Cl. 50—23)



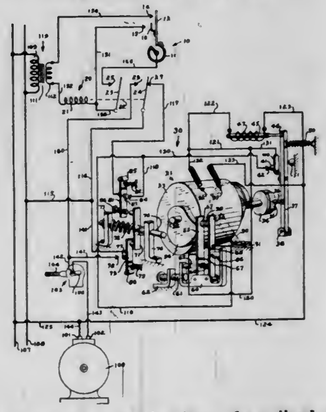
1. In a control valve mechanism for maintaining the pressure in a fluid pressure system between maximum and minimum pressures comprising a body having inlet, outlet and discharge ports, fluid pressure operated inlet and relief valves for controlling the flow of fluid from the inlet port to the outlet port and from the outlet port to the discharge port respectively, and means for opening and closing said valves as the pressure rises above or falls below predetermined maximum and minimum pressures respectively, means for varying the pressure at which the inlet valve will open and close without affecting the setting of the relief pressure comprising a threaded extension carried by said relief valve, a non-rotatable member mounted on said extension for unseating the inlet valve at a predetermined pressure, means for manually rotating said relief valve and the threaded extension to change the position of the non-rotatable member with respect to the relief valve thereby changing the pressure at which the inlet valve will be unseated by said member.

2,252,153
INTERNAL COMBUSTION ENGINE
Leon P. Anthony, Los Angeles, Calif., assignor of one-half to Mary Adeline Reynolds, Los Angeles, Calif.
Application June 17, 1940, Serial No. 340,862
11 Claims. (Cl. 123—78)



1. In an internal combustion engine, a crankshaft and a piston, a telescopic connecting rod connecting the crankshaft with the wrist pin of the piston, means for supplying oil under pressure through the crankshaft to the interior of the telescopic connecting rod, means for entrapping the oil therein to resist collapse or shortening of the connecting rod during downward strokes of the piston, and means for opening the telescopic connecting rod for egress therefrom through the wrist pin of the piston during upward strokes of the piston.

2,252,154
FUEL FEEDING CONTROL SYSTEM
Albert E. Baak and Guy M. Brown, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 27, 1937, Serial No. 181,954
8 Claims. (Cl. 236—46)



3. In apparatus of the type described, in combination, a timing device comprising a movable element and driving means therefor, biasing means urging said element into an initial position, said element moving into initial position whenever said timing means are deenergized, a switch operable by said device, said switch being

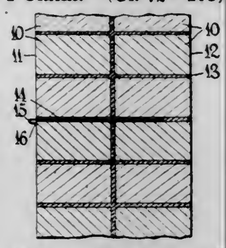
closed only when said element is in initial position, control means for energizing said timing device through said switch, said control means including means for completing a maintaining circuit for said device upon initial energization thereof, switch means operable by said device for interrupting said maintaining circuit after a given period of operation of said timing device whereby it returns to initial position.

6. In apparatus of the character described, in combination, an automatic stoker, control means for the stoker comprising a space thermostat and an electrical timing device, said timing device having an initial position and including means whereby upon being energized the device establishes a maintaining circuit for itself and operates through a predetermined cycle and then interrupts the maintaining circuit and returns to initial position, switch means controlling the stoker and actuatable by said device near the end of said cycle for operating the stoker for a relatively short interval, and means whereby the thermostat controls the timing device to immediately deenergize and return the device to initial position when the thermostat demands stoker operation and for energizing the timing device when the thermostat becomes satisfied.

2,252,155

METAL WALL TIE

Leonard E. Baldwin, Denver, Colo., assignor to National Gypsum Company, Buffalo, N. Y.
Application December 23, 1939, Serial No. 310,666
1 Claim. (Cl. 72—103)



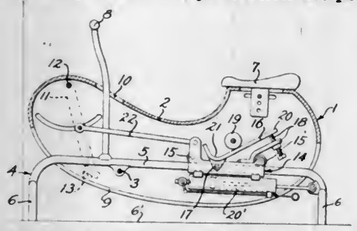
In a brick wall construction comprising a vertical series of courses, each course having a plurality of transversely adjacent rows of bricks, expanded metal ties disposed between courses of bricks at recurring intervals of a number of courses, each tie comprising a flat portion at least partially overlying an outer brick and extending inwardly past the inner row and terminating inwardly in a marginal portion bent downwardly and then horizontally toward said wall to abut the inner brick surface of the wall, said marginal portion forming a return bent flange extending parallel to the wall and serving as a handling portion and a locating means.

2,252,156

PRESSURE DRIVE MECHANISM

Joseph D. Bell, San Francisco, Calif.
Application September 20, 1939, Serial No. 295,739
20 Claims. (Cl. 74—99)

1. In a device of the character described, a frame structure having a rotatable shaft thereon, a pair of jaws comprising upper and lower members hingedly connected together and mounted on the structure, yielding means for squeezing the jaws together, a wedge member connected to one of the jaws and being movable back and forth between them, pressure means operable to force the wedge between the jaws to spread them open, the said yielding means being operable to back the wedge out of the jaws when the pressure



is released, and connection between the jaws and the said shaft for rotating the latter in response to movements of the jaws.

2,252,157

INSULATING BAT

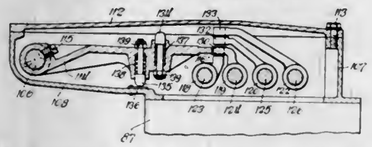
William M. Bergin, Granville, and Allen L. Simison, Newark, Ohio, assignors, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
No Drawing. Application July 26, 1938
Serial No. 221,460
8 Claims. (Cl. 154—44)

1. A strong, semi-rigid, resilient, light weight bat comprising an unfelted mass of glass wool fibers, and a treating material disposed over the fibers, said treating material including a hydrocarbon oil as a lubricant and polymerized urea formaldehyde as a binding and stiffening agent.

2,252,158

GEAR SHIFTING MECHANISM

Leo A. Bixby, Kalamazoo, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application November 8, 1937, Serial No. 173,392
4 Claims. (Cl. 74—473)



1. In combination, a transmission housing having change speed gearing therein, shifter rods mounted for longitudinal shifting movement in the upper portion of said housing and lying in a common horizontal plane, an operating shaft disposed at one side of said housing and in substantially the same horizontal plane as said rods and projecting outwardly of the housing, arm means within the housing extending laterally from and keyed to said shaft and controlled by rotative and longitudinal movement of said shaft for effecting selecting and shifting movement of any one of said shifter rods, and resilient bumper means indicating limiting positions of the selecting movement of said arm means relative to said housing.

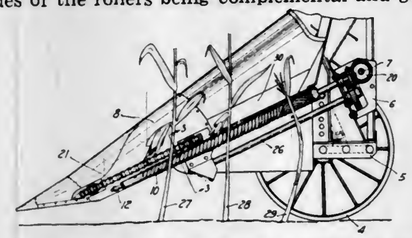
2,252,159

CORN PICKER

Rudolph H. Blank, Walcott, Iowa
Application May 2, 1940, Serial No. 332,909
4 Claims. (Cl. 56—104)

1. In a corn picker, the combination comprising a pair of cooperating snapping rollers, both of said rollers being provided with a plurality of substantially continuous spiral ribs extending

from portions adjacent the upper rearward ends of the rollers to points adjacent to lower front ends of the rollers, the ribs on said rollers being spiraled in opposite directions and the spirals on the two rollers having substantially the same pitch, said spiral ribs defining channels therebetween, which channels are substantially free of obstructions, the channels on the adjacent sides of the rollers being complemental and gen-

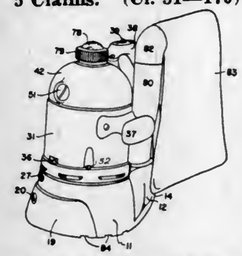


erally vertical, said ribs effecting guiding of stalks rearwardly between the rollers, and means projecting from the faces of the rollers at the upper rearward ends thereof for feeding stalks downwardly between the rollers, said means comprising continuations of said ribs curved in the opposite direction from the main part thereof whereby to prevent the stalks from being fed beyond the ends of the rollers.

2,252,160

SANDING MACHINE

Perley T. Blood, Hamilton, Mont., assignor of one-half to William A. Bower, Hamilton, Mont.
Application October 27, 1939, Serial No. 301,627
5 Claims. (Cl. 51—170)



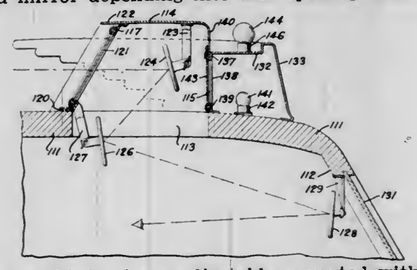
1. A portable sander comprising a base housing having a sander chamber having a single opening for the reception of a sander member and adapted to completely enclose such a member and a blower chamber in communication with each other, said blower chamber having a discharge passage; an encased power rotor unit mounted vertically on the base housing and including a drive shaft; a bladed fan on said shaft in said blower chamber; a sander disc in said sander chamber and closing the opening therein; longitudinally adjustable means for said rotor unit comprising an adjustable bearing nut threaded in the casing of the rotor unit, bearing rings cooperating with said nut, and means on said shaft and operating on said bearing rings to rotatably mount the rotor drive shaft in said adjustable bearing nut.

2,252,161

CLEAR VIEW STRUCTURE FOR VEHICLES

Antone S. Borba, Oakland, Calif.
Application September 14, 1938, Serial No. 229,885
2 Claims. (Cl. 88—86)

1. A combined rear view device and advertising medium for adaptation to motor vehicles comprising the combination of a vehicle body including a top having an opening therein, a shell mounted on said top and enclosing said opening, a front wall on said shell having an opening therein, a sloping rear wall on said shell, a window in said rear wall, a first mirror adjustably mounted within said shell and faced toward said window, a second mirror fastened to said rear wall and faced toward said first mirror; said second mirror depending into said opening in said

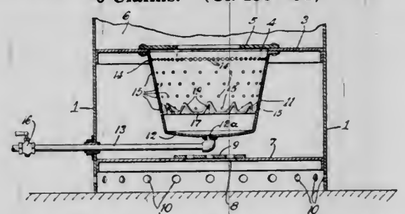


top, a third mirror adjustably mounted within said vehicle body and faced toward said second mirror, a box-like structure mounted on said vehicle top in juxtaposition to said shell, a rear wall on said structure detachably fastened to the front wall of said shell; said rear wall of said structure having an opening therein registering with the opening in said front wall of said shell, and a front wall in said structure defining panels for the reception of advertising media or indicia.

2,252,162

BURNER FOR LIQUID FUELS

James L. Breese, Santa Fe, N. Mex., assignor, by mesne assignments, to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application September 16, 1938, Serial No. 230,165
6 Claims. (Cl. 158—91)



1. In a mechanism for burning liquid hydrocarbons, a pot and means for delivering a liquid hydrocarbon to said pot, the walls of said pot being provided with a plurality of primary air inlet apertures located at various levels, and a baffle member located in said pot at a level below the lowest of said primary air apertures, and including deflector means extending upwardly from and above the level of said baffle member and in communication with some of the primary air inlet apertures.

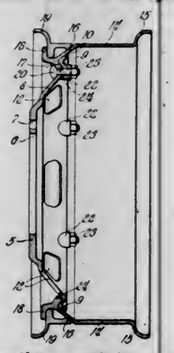
2,252,163

WHEEL

Frederick W. Burger, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application October 13, 1938, Serial No. 235,704
9 Claims. (Cl. 301—11)

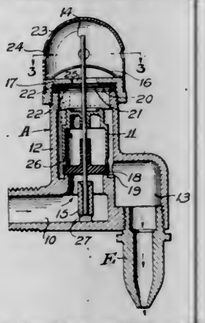
1. A wheel assembly comprising a wheel spider having a peripheral portion comprising a radially and axially outwardly directed portion terminating in a radially outwardly and axially in-

wardly directed flange forming, in effect, an axially directed V-shaped section, a rim having a similar axially directed V-shaped section radially inwardly of one edge thereof, said rim being adapted to be mounted on said spider with said



sections in laterally overlying position, and clamping means including opposed wedge shaped lugs on opposite sides of said overlying sections for clamping the same against relative lateral or radial movement.

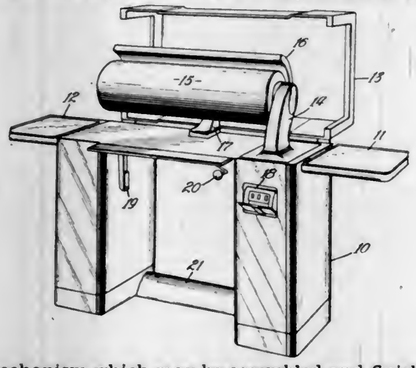
2,252,164
VACUUM BREAKER
Jacob J. Cantor, Los Angeles, Calif.
Application July 28, 1939, Serial No. 287,033
4 Claims. (Cl. 137—69)



4. A vacuum breaker which includes a housing having a liquid inlet and outlet and an atmospheric air inlet, a valve seat formed of a comparatively thin resilient material, a retainer carrying said seat, a clamping ring securing said retainer to said housing, said clamping ring being spaced from said seat to contact it and to limit the extent of its yielding movement, and a float valve member movable by the rise of liquid in said housing into sealing contact with said valve seat, said valve seat being free to move in a plurality of directions under the force exerted by the valve when the same is raised whereby the opening in said valve seat will be completely sealed against fluid leakage regardless of the position assumed by the float valve on its closing movement.

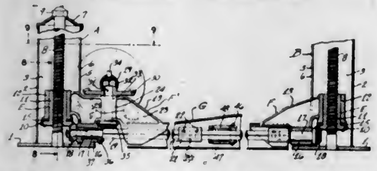
2,252,165
IRONING MACHINE STRUCTURE
John A. Castricone, Peoria, Ill., assignor to Altorfer Bros. Company, Peoria, Ill., a corporation of Illinois
Application September 13, 1939, Serial No. 294,624
1 Claim. (Cl. 38—61)

In a domestic roll ironer, a cabinet unit, said cabinet unit including a main frame having a table top to support ironed clothes, end shelves and cover assembled and finished as a unit, a sub-frame attached and concealed within said cabinet, a gear head mechanism which may be assembled and finished as a unit, an ironer shoe



mechanism which may be assembled and finished as a unit, and means to connect and mount said units in co-acting relationship on said frame, said means being completely concealed under the surface of said cabinet whereby the ironer may be assembled as a complete ironer with no attachment means normally visible.

2,252,166
VEHICLE LIFT
Chester D. Clawson, Pine Lawn, and Thomas H. Branch, St. Louis, Mo., assignors to St. Louis Lift & Equipment Corporation, St. Louis, Mo., a corporation of Missouri
Application July 24, 1939, Serial No. 286,074
2 Claims. (Cl. 254—92)

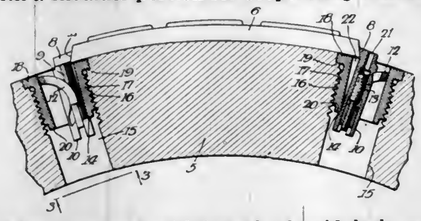


1. A vehicle lift comprising, in combination, a standard including a plurality of spaced upstanding longitudinally slotted parallel posts, a vehicle support frame disposed for travel within the standard, stationary threaded shafts fixed and rigidly upstanding in the posts, screw-nuts disposed for movement on said shafts, each nut having an end ring and an elongated and diametrically reduced shank, brackets on the frame each having a hub rotatably fitted upon a particular nut-shank and resting for support on said end ring, and an arm disposed for movement in the particular post slot, a prime mover mounted on and movable with the frame, and driving connections between the prime mover and said nuts for actuating the latter for effecting travel of the frame relatively to the standard.

2,252,167
PRINTING PLATE LOCKING
Don W. Coy, Chicago, Ill., assignor, by mesne assignments, to United Biscuit Company of America, Chicago, Ill., a corporation of Delaware
Application June 28, 1939, Serial No. 281,671
7 Claims. (Cl. 101—385)

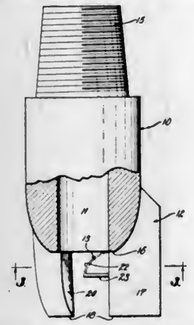
1. In printing equipment, the combination of a

cylindrical bed plate having an aperture therein, a lock having a hook adjacent its lower end, a head adjacent its upper end and an expansible means intermediate its ends, and a bushing in said aperture, said bushing being adapted to receive said lock, having its inner end provided with a shoulder portion for cooperating with said



hook to prevent withdrawal of said lock, said bushing having a wall portion adapted to be engaged by said expansible means, and said lock head projecting beyond the outer end of said bushing and being adapted to engage a portion of the printing plate to position the same on said bed.

2,252,168
WELL BIT
Thomas A. Creighton, Long Beach, Calif., assignor of one-half to Martha H. Wright, Los Angeles, Calif.
Application June 17, 1940, Serial No. 340,959
6 Claims. (Cl. 255—61)



1. A rotary well bit comprising a body having a substantially central fluid port discharging at its lower end, outer cutting parts projecting from the lower end of the body and spaced from the central vertical axis of the body to leave a central core of earth formation, and a single inner cutting blade carried by one of the outer cutting parts and projecting inwardly toward said axis below the lower end of the body to cut away said core, said blade having a beveled downwardly and inwardly sloping upper edge to shed the fluid discharged by the port and having a lower cutting edge which is transverse of the longitudinal axis of the bit.

2,252,169
OIL-TREATED MINERAL WOOL
Walter V. Cullison, Wabash, Ind., assignor to American Rock Wool Corporation, Wabash, Ind., a corporation of Indiana
No Drawing. Application August 14, 1939, Serial No. 290,132
15 Claims. (Cl. 106—243)

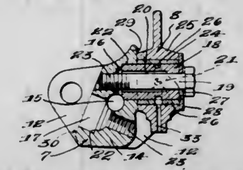
1. An article of manufacture comprising mineral wool coated with a water-repellent material consisting of a homogeneous mixture of mineral oil, aluminum stearate, and an alkaline earth compound, said compound being selected from the group consisting of an oxide or carbonate of one of the elements, calcium and magnesium.

2,252,170
CHEESE PLASTICIZING COMPOSITION
Henry H. Doering, Chicago, Ill.
No Drawing. Application February 26, 1938, Serial No. 192,788
10 Claims. (Cl. 99—117)

1. A cheese plasticizing agent comprising an edible oil and rice flour admixed therewith in the presence of water and heated to comprise an emulsified composition.

7. A product of manufacture comprising cheese plasticized with a rice flour intermixed with an edible fatty material of the class consisting of fatty oils and fats added thereto to provide an emulsified cheese product.

2,252,171
LUBRICATING ROCKER ARM SUPPORT FOR ENGINE VALVE MECHANISM
Carl T. Doman, Geddes, N. Y., assignor to Air-cooled Motors Corporation, Syracuse, N. Y., a corporation of New York
Application November 26, 1938, Serial No. 242,548
9 Claims. (Cl. 184—6)

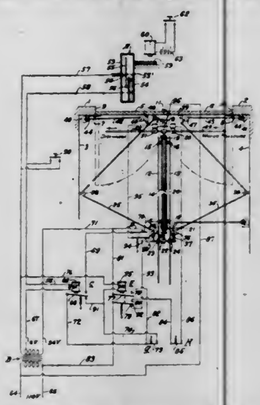


1. An overhead valve operating mechanism for internal combustion engines including a rocker arm support mountable on the head of a cylinder of the engine and including a head portion having a bore therein for connection to a pressure lubricating system, and bores on opposite sides thereof extending in a general direction tangential to the former bore and opening at their inner ends thereinto, hollow bearing studs supported on opposite sides of the head portion with their interiors in communication with the tangential bores, the hollow studs having radially extending ducts, and rocker arms having hubs mounted to rock about the studs, whereby the oil feeds from the first bore into the tangential bores, the hollow studs and through the radial ducts.

2,252,172
REMOTE CONTROL DOOR OPERATOR
Walter Galeazi, San Francisco, Calif.
Application April 5, 1940, Serial No. 327,957
4 Claims. (Cl. 268—34)

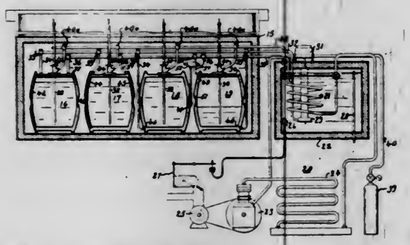
1. A door operator in the class described, including a door pivotally mounted on a building structure; automatic door closing means interposed between said door and structure; a hydraulic ram on said structure and having an extensible piston rod with a cross head thereon; flexible door opening means connected to said cross-head and door; a pressure inlet conduit to said ram from a source of supply; a discharge conduit from said ram; a magnetic valve in said inlet conduit; a magnetic valve in said discharge conduit; an electric circuit having a remote control switch therein adapted to control the opening and closing of said door and including

said magnetic valves; and subcircuits in said electric circuit having means therein controlled by said cross-head and adapted to maintain said



door open when said piston rod is extended and to open said magnetic discharge valve when said remote control switch is closed to permit the closing of said door by said closing means.

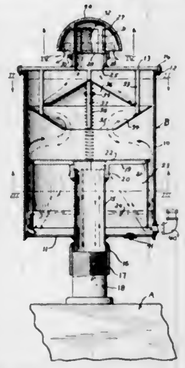
2,252,173
REFRIGERATING APPARATUS
J Lowell Gibson, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 27, 1938, Serial No. 187,235
11 Claims. (Cl. 62—141)



4. In a cooling and dispensing system wherein a beverage container is provided with means forming a cooling fluid flow passage connected in closed circuit relation with a cooling fluid circulating between a source and said flow passage to cool the contents of said container; that method of removing the container when empty from said closed circuit which comprises, discontinuing the flow of cooling fluid to the flow passage of said container, discharging cooling fluid from the flow passage of said container into another portion of said closed circuit, and thereafter disconnecting the empty container from said closed circuit.

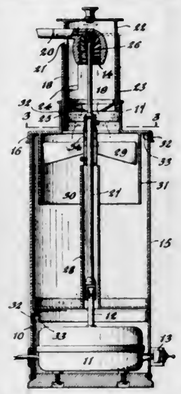
2,252,174
VENT VALVE
William N. Glab, Dubuque, Iowa, assignor to Morrison Brothers Company, Dubuque, Iowa, a corporation of Iowa
Application October 23, 1939, Serial No. 300,757
1 Claim. (Cl. 137—53)

A vent valve construction comprising an open top container, a removable top closure for the container having a central atmospheric opening therein, a tubular connection in the bottom of the container having its innermost end disposed above said bottom, a cup-shaped member supported inverted over the innermost end of the tubular connection with its open end edge spaced above the container bottom, a liquid in the container normally sealing the open end of the cup member, a double baffle within the container



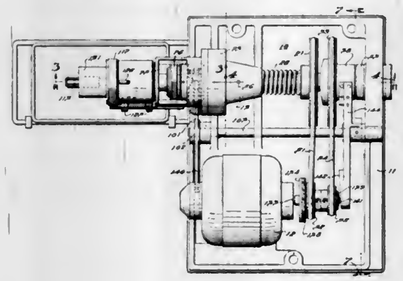
positioned between the cup bottom and closure opening, said baffle including a conical member and a frusto-conical member disposed in axial alignment with their base portions adjacent and the conical member uppermost, and common means for supporting the baffle members from the closure member for enabling removal thereof as a unit.

2,252,175
SMOKING PIPE CLEANING DEVICE
Donald Gordon, New York, N. Y.
Application August 3, 1939, Serial No. 288,192
8 Claims. (Cl. 131—232)



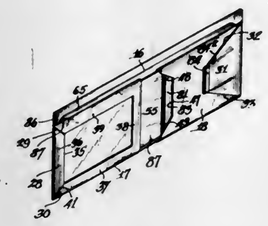
1. A smoking pipe cleaning device, comprising an ash receiver having a chamber rising therefrom in communication therewith and into which the bowl of a pipe is adapted to be inserted, a closure member applied to said bowl-receiving chamber for movement relative thereto and having an opening therein for the introduction of the pipe bowl to and from such chamber, a revolvable cleaning element extending into said chamber for engagement with the pipe bowl, and a suction creating means interposed between the receiver and the adjoining end of the pipe bowl chamber.

2,252,176
MACHINE FOR GRINDING CYLINDRICAL SURFACES
William H. Harris, Jr., Detroit, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application December 19, 1936, Serial No. 116,774
Renewed November 15, 1939
12 Claims. (Cl. 51—34)



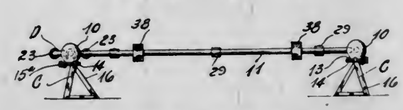
1. A grinding machine including, in combination, a base, a spindle rotatable thereon, means for rotating and reciprocating said spindle in timed relation, an abrading head carried by said spindle, abrading elements in said head, means for adjusting said abrading elements to a desired diameter, means for expanding and retracting said abrading elements in said head, and means for retracting said abrading elements and for simultaneously stopping the rotation of said spindle.

2,252,177
WALLET
William Carl Heyer, Mount Holly, N. J.
Application May 10, 1938, Serial No. 206,975
6 Claims. (Cl. 150—38)



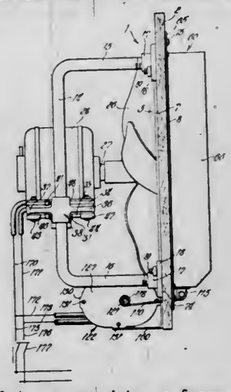
1. In a wallet or the like, an outer wall, inner wall members united to the outer wall at the bottom and ends, having respectively narrow and deep inward down flaps along the top and cooperating with the outer wall to form a bill pocket, a downwardly extending closure partition within the said narrow and deep down flaps, secured at the top to the narrow down flap and unattached along the top and bottom within the deep down flap, a section partition extending longitudinally through the pocket, adjoining the outer wall having up flaps along the bottom toward opposite ends, one up flap enclosing and fastened to the lower edge of the closure partition of the portion thereof fastened along its upper edge to the said narrow down flap and the other up flap enclosing and unattached to the bottom edge of the said deep flap.

2,252,178
CASKET RECEIVING DEVICE
Otto T. Hovarter, Ashley, Ind.
Application October 7, 1939, Serial No. 298,386
3 Claims. (Cl. 27—26)



1. In combination with a casket lowering apparatus having longitudinal elements adapted to extend alongside an open grave, a plurality of transverse supports adapted to rest on said longitudinal elements to support a casket, said transverse supports comprising a pair of telescopic members with a roller assembly revolvably mounted on each member, resilient means normally urging the telescopic members endwise from each other, and bifurcated sections provided on the outer ends of each telescopic member adapted for detachable engagement with said longitudinal elements.

2,252,179
VENTILATOR
Herman C. Hueglin, Chicago, Ill., assignor to Airmaster Corporation, Chicago, Ill., a corporation of Illinois
Application April 13, 1939, Serial No. 267,535
10 Claims. (Cl. 98—116)

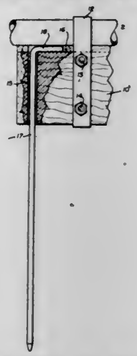


1. A ventilator comprising a frame, a plurality of louvres pivoted to said frame, means for opening said louvres, a fan and an electric motor for driving the same carried by said frame for directing a blast of air through said louvres when open, spring means biasing said louvres for movement into their closed position, a stall motor electrically connected with said first electric motor, a drum carried by said stall motor, and a cable extending from said louvre opening means to said drum whereby said louvres are opened against the action of said spring means whenever said stall motor is energized.

2,252,180
BAT AND TINE CONSTRUCTION FOR HARVESTER REELS
Horace D. Hume, Garfield, Wash.
Application January 13, 1940, Serial No. 313,742
10 Claims. (Cl. 56—219)

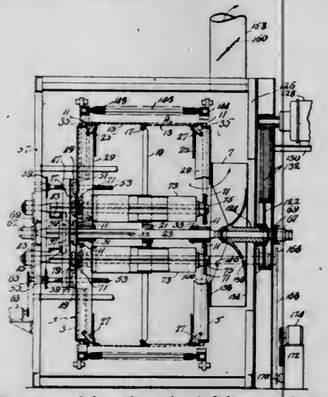
1. A bat for harvester reels comprising a bat shaft, a wooden bat having a series of spaced lateral holes and a depression adjacent to one side of the upper end of each said holes, means

for securing said bat to said shaft, and a tine mounted in each said hole and having a head



offset in the direction of and resting in the adjacent depression.

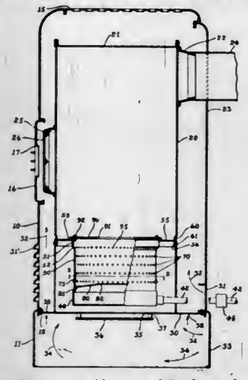
2,252,181
ROTARY TENTER DRIER
James D. Hunter and Frank B. Morrill, North Adams, Mass., assignors to The James Hunter Machine Company, North Adams, Mass., a corporation of Massachusetts
Application January 12, 1938, Serial No. 184,606
4 Claims. (Cl. 34—122)



1. In a machine for stretching and drying continuous web material, in combination, a housing, fresh air inlets and moist air outlets therein, opposed endless tenter chains running into and out of such housing, driving means for the chains, a foraminous cylinder around which the chains carry the web material within the housing while stretching it widthwise and rotating the cylinder, and means heating and recirculating air already within the housing repeatedly through the web material in a direction radially inward of the cylinder.

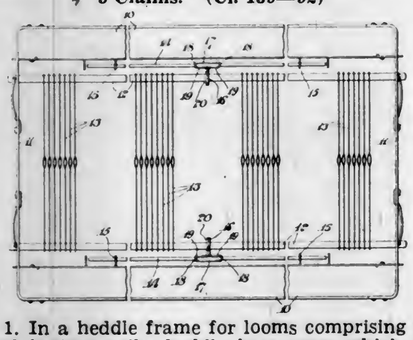
2,252,182
HEATING DEVICE AND BURNER THEREFOR
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application May 10, 1938, Serial No. 207,064
20 Claims. (Cl. 158—91)

1. In a combustion device of the type described comprising a casing, an open top burner within said casing, said burner comprising a lower fuel feed combustion chamber having an imperforate side wall, an upper combustion chamber having a side wall with perforations therein for supplying to the interior of said upper combustion chamber an amount of air necessary for combustion of the fuel introduced during operation, a partition within said burner located between said upper perforated and said lower imperforate side wall



portions and separating said chambers, said partition having a central orifice providing a combustion connection between the chambers, and a plurality of openings in said partition about said central orifice to permit the down flow of currents of air from said upper combustion chamber to the fuel feed chamber below said partition and within said imperforate side wall portion.

2,252,183
HEDDLE FRAME
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 24, 1939, Serial No. 305,753
5 Claims. (Cl. 139—92)



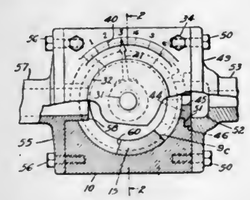
1. In a heddle frame for looms comprising top and bottom rails, heddle bars upon which the heddles are mounted, auxiliary supporting rods carried by the top and bottom rails adjacent the inner edges thereof, and slidable members mounted on the auxiliary supporting rods for supporting the heddle bars intermediate their ends; said slidable members being symmetrical and each having horizontal portions engaging the respective edges of the auxiliary supporting rod upon which it is mounted, end portions connecting the horizontally extending portions and having slots through which the auxiliary supporting rod extends, and a vertically extending portion of double thickness recessed for the positioning of a heddle bar therein.

2,252,184
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 16, 1939, Serial No. 309,545
5 Claims. (Cl. 139—91)



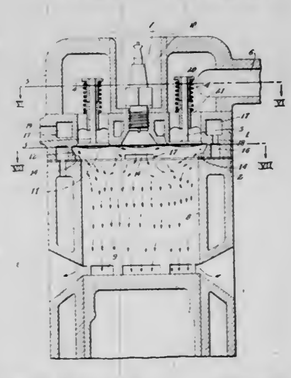
1. Loom harness having upper and lower heddle supporting rods, flat metallic heddles mounted thereon, means for spacing said heddles comprising the provision on alternate heddles, adjacent the upper supporting rod, of offsets extending out of the main plane of the heddle on each side thereof, an additional set of similar offsets below the upper set, and a coil spring in the successive convolutions of which the heddles are individually disposed, and said coil spring being movable to a position adjacent the warp eyes of the heddles for entering the warp in said eyes, the offsets in the heddles each being of the conformation of an elongated **S** with its ends curving into straight portions of the heddle, and the lower set of said offsets being spaced from the upper set a sufficient distance to receive the coil spring therebetween and normally retain the coil spring above the upper shed line of the harness.

2,252,185
VALVE CONSTRUCTION
Peter G. Kluse, Los Angeles, and Ralph C. Camomile, Santa Monica, Calif.
Application May 27, 1940, Serial No. 337,454
4 Claims. (Cl. 251—92)



1. In a valve structure, a casing containing an elongated chamber which is circular in cross-section, a hollow valve plug fitted rotatably within said chamber, said plug having a plurality of segmental substantially parallel slots varying in length through a side portion thereof to form outlet ports, there being a plurality of outlet ports in a wall of said casing which are positioned for registering individually with individual slots of the plurality of slots aforementioned, an extension of said casing, said extension having an outlet passage which communicates with said plurality of outlet ports, fluid supply means communicating with the interior of said hollow valve plug, and means to turn said valve plug to vary the number of said slots which are in registry with said outlet ports, said slots being materially narrower than said ports, thereby lessening the importance of precisely dimensioning said ports.

2,252,186
TWO-STROKE INTERNAL COMBUSTION ENGINE
Karl Erik Kylén, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden
Application February 18, 1939, Serial No. 257,036
In Sweden February 24, 1938
1 Claim. (Cl. 123—65)

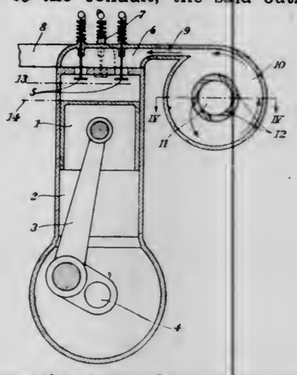


A two-stroke internal combustion engine having a cylinder and a combustion chamber communicating therewith, there being a circular admission chamber communicating with said combustion chamber through valve controlled ports, a plurality of self-acting valves for closing and opening said ports, said valves being arranged about and substantially equidistant from the axis of the admission chamber, means for introducing gas and air to said admission chamber, said means comprising an inlet conduit leading into the admission chamber and opening tangentially thereinto for the purpose of causing rotation of the gas mixture in the chamber around the axis thereof.

2,252,187
ARRANGEMENT IN COMBUSTION MOTOR, COMPRESSOR, OR THE LIKE
Karl Erik Kylén, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden
Application October 4, 1940, Serial No. 359,688
In Sweden November 27, 1939
16 Claims. (Cl. 123—65)

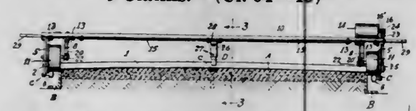
1. In a gas apparatus, the combination with a working chamber, of a gas conduit leading to it, a rotation chamber in said conduit, said rotation chamber having a substantially circular outer wall, there being a complete, uninterrupted annular space adjacent to said wall, a substantially tangentially directed inlet from the conduit to the chamber for imparting rotation to the gases in the annular space of the chamber,

and an outlet from said annular space of the chamber to the conduit, the said outlet being



farther from the center of the chamber than the said inlet.

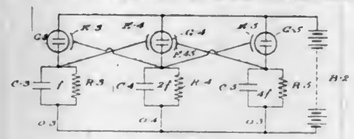
2,252,188
PLASTIC CONCRETE SURFACING MACHINE
Benjamen F. Krehbiel, Wichita, Kans.
Application October 5, 1938, Serial No. 233,415
5 Claims. (Cl. 94—45)



1. In plastic concrete surfacing machines, a machine of the class described comprising a pair of trucks, each truck consisting of a frame, each of which has traction wheels therefor, and a legged track as a support on which the wheels will engage, other wheels carried by each frame at the lower extremity thereof, last said wheels to engage on the underside of said legs as securing means for first said wheels to contact with the legged track on the upper side thereof, bars extending from one frame to the other and secured to each thereof, a power transmitting shaft extending from one frame to the other and being trunnioned on each frame, a motor carried by one of said frames, there being a belt to connect said motor to said shaft and belts connecting said shaft to said traction wheels as conveying means for said frames simultaneously, a tube extending from one frame to the other, each end of the tube being trunnioned in its respective frame, belts means connecting the motor with the tube as rotating means therefor simultaneous with the traction of said frames, a vertically disposed leg adjustably arranged with respect to its length vertically, means to connect the leg to the connecting bars medially thereof, the leg having an arcuate seat at its lower extremity to engage on said rotatable tube to restrict the vibration thereof while in action.

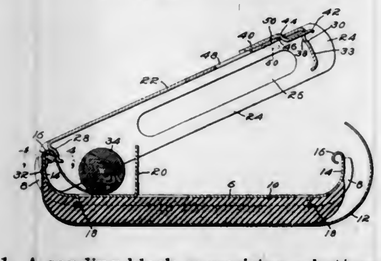
2,252,189
FREQUENCY STABILIZED ELECTRICAL MUSICAL INSTRUMENT
Nicholas Langer, New York, N. Y., assignor of sixty-six and two-thirds per cent to John Halmagyi, New York, N. Y.
Application October 16, 1939, Serial No. 299,619
16 Claims. (Cl. 250—36)

9. In an electrical musical instrument, the combination of a plurality of not less than three glow tube oscillators of harmonically related frequencies, and an external electrode on at least two of said tubes, each of said electrodes being



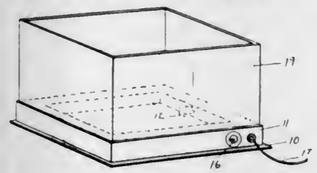
connected to a point of oscillatory potential in an oscillator having the nearest frequency.

2,252,190
SANDING BLOCK
James F. McAdams, Worcester, Mass., assignor to Parker Wire Goods Company, Worcester, Mass., a corporation of Massachusetts
Application August 8, 1940, Serial No. 351,857
6 Claims. (Cl. 51—187)



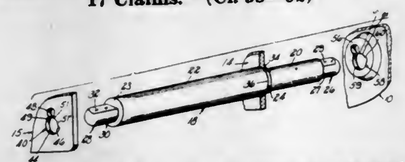
1. A sanding block comprising a bottom member having end flanges upwardly turned and terminally rolled and a cover member having side flanges of an area substantially corresponding to the space between the flanges and web of the bottom member and having end flanges between said side flanges, which end flanges are concaved to fit the rolled portions, the side flanges having instruck tongues entering one of the rolled terminals to provide a pivot, the end flange of the lid member at the opposite end having a yielding extension below the concaved portion providing a guide for engaging the two members together with a snap action.

2,252,191
SMALL ANIMAL INCUBATOR
Wade E. Marks, Youngstown, Ohio
Application February 2, 1940, Serial No. 316,951
1 Claim. (Cl. 119—15)



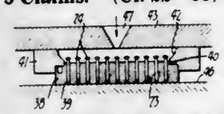
An incubator for small animals comprising in combination a heating frame wherein a plurality of electric light bulbs generate sufficient heat and a cardboard box adapted to be positioned upon the said frame so as to receive the said small animals, means formed across the top of the said frame adapted to suitably support the entire bottom of the said cardboard box, together with an asbestos lining of the said frame and a removable partition adapted to partition off one end of the said frame from the remainder thereof.

2,252,192
CLOCK ASSEMBLY MEANS
Angus A. Martin, Winsted, Conn., assignor to William L. Gilbert Clock Corporation, Winsted, Conn., a corporation of Connecticut
Application May 24, 1939, Serial No. 275,431
17 Claims. (Cl. 58—52)



1. In a clock a pair of members adapted to be secured together, a plurality of pillars rotatably mounted on one of said members and cooperating tongue and groove connections between said other member and said pillars for securing said other member to said pillars.

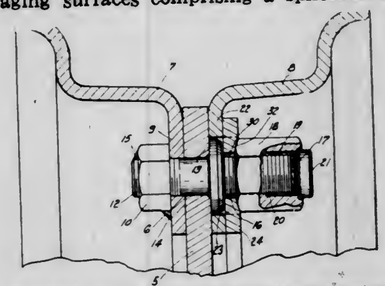
2,252,193
APPARATUS FOR MAKING FLOWER HOLDERS
Ferd H. Meyer, Oakland, Calif., assignor to Golden Gate Mfg. Co., Oakland, Calif.
Application November 19, 1940, Serial No. 366,280
5 Claims. (Cl. 22—58)



1. In apparatus of the character described, a container having a bottom plate adapted to support a plurality of headed nails thereon and within the container, said bottom plate being formed with a plurality of openings therein each of a size adapted to pass a single one of said nails only therethrough, exclusive of its head for suspending such nail in each opening from its head, means removably securing said bottom plate in position over the lower end of said container whereby nails suspended in said opening may be removed from the container separate from the nails supported on said plate, said plate being provided with projections rigid therewith and extending downwardly therefrom in direction away from the walls of said container a distance greater than the lengths of the nails adapted to be suspended from said plate whereby the said plate may be supported by said projections on a surface without disturbing said nails.

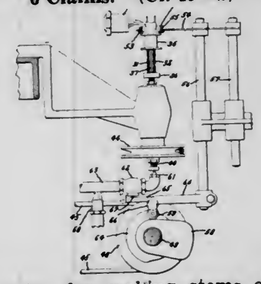
2,252,194
WHEEL
Burton L. Mills, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application August 25, 1939, Serial No. 291,862
3 Claims. (Cl. 152—409)

2. In a wheel for a pneumatic tire having a disc portion provided with a circumferential series of studs having non-removable nuts thereon, a partial rim section permanently secured to one side of said disc portion by said studs, a complementary rim section having a circumferential series of openings adapted to be received over said nuts, a ring secured to and having limited rotation relative said complementary section and provided with apertures adapted when alined with said openings to pass over said nuts, said ring being rotatable into locking position to prevent detachment of said section, and interengaging surfaces between said ring and nuts preventing rotation of said ring toward alining position upon loosening of said nuts whenever there is any substantial pressure in said tire, said interengaging surfaces comprising a spherical seat-



ing surface on the inner end of said nut and a corresponding spherical recess in said ring adapted to be engaged by said nut end when said ring is rotated into locked position.

2,252,195
STEM MAKING MACHINE
Everett Niles, Willoughby, Ohio, assignor to General Electric Company, a corporation of New York
Application July 29, 1939, Serial No. 287,349
6 Claims. (Cl. 49—2)

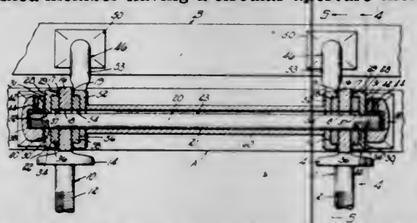


1. Apparatus for making stems of the class described comprising a vertically disposed hollow spindle, a holder mounted on the upper end of said spindle having openings for retaining a vitreous exhaust tube and leading-in wires in sealing relation and a seat for the lower flared end of a vertically disposed vitreous stem tube, a hollow support for the exhaust tube located within the lower end of said spindle with passages therethrough to the interior of said spindle and to the interior of said exhaust tube, means for heating the upper ends of said stem and exhaust tube to cause them to fuse together and flow about portions of the leading-in wires, and means for directing air into the lower end of said exhaust tube support for causing the air to enter said exhaust tube and blow an opening through the fused upper end of the stem and for also causing air to flow up around the said exhaust tube and through said holder to the interior of the stem tube to work and round out the seal.

2,252,196
HINGE
Stuart W. Parsons, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application April 5, 1940, Serial No. 327,960
6 Claims. (Cl. 4—236)

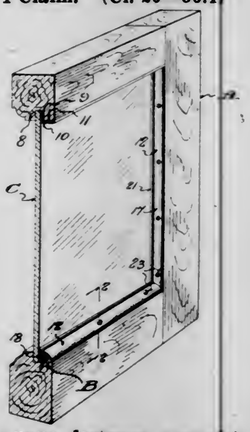
1. In combination, a hinge pin having a cross

section defining a cylindrical portion and a flat portion, two spaced sets of adjacent members mounted thereon, each set including a hinge leaf having an aperture therethrough corresponding to the cross section of the hinge pin, whereby it is nonrotatably held thereon, and the other a fixed member having a circular aperture there-



in in which the hinge pin is journalled, said fixed members being positioned inwardly of said hinge leaves, and securing means positioned on the extending ends of said hinge pin and abutting against said hinge leaves, whereby said pin, hinge leaves, and securing means will journal as a unit in said fixed members.

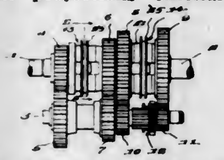
2,252,197
WINDOWPANE FASTENER
William C. Passer, Wauwatosa, Wis.
Application June 12, 1939, Serial No. 278,709
1 Claim. (Cl. 20—56.4)



A window pane fastener comprising, an extruded metallic strip forming a channel composed of inner and outer walls, the inner wall having a longitudinal angular depression extending from the top edge of said inner wall to its bottom edge, a yieldable strip positioned in said longitudinal depression for bearing against a window pane, said yieldable strip serving to space said metallic strip from the window pane and forming a seal therebetween, the side walls of said channel being relatively resilient to exert tension upon said yieldable strip, and having attaching screws passing through the outer wall only to create tension upon the inner wall toward the window pane.

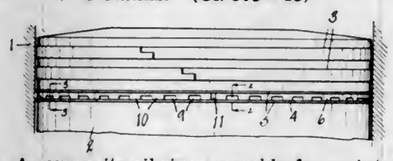
2,252,198
TRANSMISSION GEARING WITH SYNCHRONIZING CLUTCHES
Carl D. Peterson, Toledo, Ohio
Application April 11, 1939, Serial No. 267,272
5 Claims. (Cl. 192—53)

1. In a change-speed transmission gearing which includes input and output shafts, a plurality of synchronizing clutches selectively operable for connecting the input and output shafts together through different gear ratios and in which each synchronizing clutch includes a shiftable clutch member comprising a friction section and a toothed section shiftable as a unit in opposite directions from neutral to preliminarily engage the friction section to effect the synchronizing in advance of the shifting in of the toothed section and the toothed section being shiftable axially after synchronization relatively to the friction section, the sections having relative rotary movement, within limits, one of the sections being formed with a lengthwise slot having lateral notches on opposite sides of its central portion, and the other of the sections being formed with projections extending into the



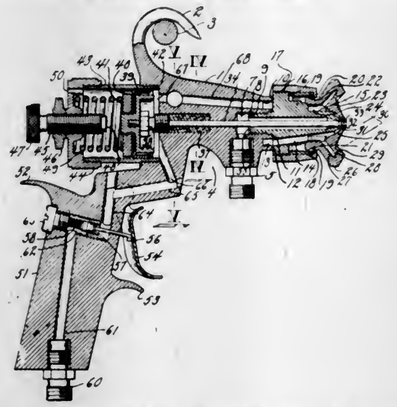
notches and being of substantially the same width as the slot to slidably fit the same and normally located in line with the lateral notches, the projections and the ends of the notches being shaped to coact with a camming action; the combination of the coacting cam angle at respective ends of the notches of each clutch being different from the coacting cam angle of the other ends of said notches and the coacting cam angles of the corresponding ends of the notches of the clutches being different from each other, the coacting cam angles for the respective clutches being different for the gear ratios controlled by the clutches and of such angles as to require minimum shifting in force applied against the blocking effect presented by the cam angles during shifting up to a higher or down to a lower ratio.

2,252,199
PISTON RING
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application February 25, 1939, Serial No. 258,359
4 Claims. (Cl. 309—45)



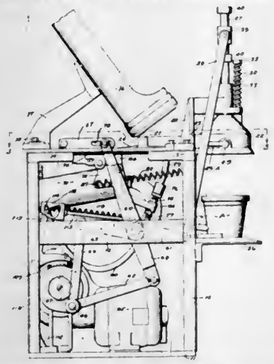
1. A composite oil ring assembly for an internal combustion engine, comprising a pair of thin split cylinder wall contacting elements of ribbon steel disposed in edge contacting relation to a cylinder wall, and a split cast iron carrier and spacer element for said first named elements, said spacer fitting in a groove in the piston and having annular outer recesses on its upper and lower sides providing annular shoulders engageable with said cylinder wall engaging elements to impart cylinder wall tension thereto, said spacer element having a plurality of oil drainage openings therein, said openings being omitted from the area of the spacer approximately 180° from the split of the spacer and being graduated increasingly in individual size from points adjacent said area to a maximum adjacent the split thereof.

2,252,200
SPRAY DEVICE
Orla R. Plummer, Napoleon, Ohio
Application March 18, 1940. Serial No. 324,643
2 Claims. (Cl. 299—140.1)



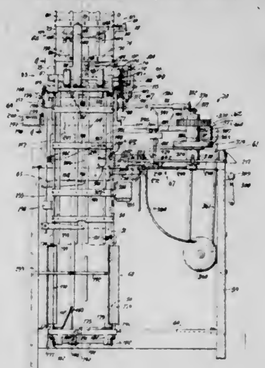
1. A nozzle member provided with a tip having a discharge way, a head for the member having a way, a sleeve mounted on the head and having a flange and clearance as to the member into which clearance the member may be inserted, a split ring about the member in the clearance, and a wedge coacting between the head and ring as acted upon by the sleeve flange to have the effective diameter of the ring changed by sleeve rotation relatively to the head for coaction with the member in one direction for release as effecting swivel mounting of the member as to the head and in the other direction in effecting clamping action between the split ring and wedge to hold the member in the desired set position therefor as to the head.

2,252,201
MACHINE FOR AUTOMATICALLY APPLYING SLIP COVERS TO CONTAINERS
John F. Price, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application June 22, 1939, Serial No. 280,667



1. A machine for applying slip covers to containers comprising a frame, a container support, a cover applying head movable from normal position toward and from said container support, means for supporting a plurality of covers in stack formation, a cover feed member slidably mounted in the frame below said stack formation and operable to feed a cover to said head when the latter is in normal position, a cover transfer member movably mounted in the frame and normally positioned below said cover feed member and being operable during forward movement of said cover feed toward said head to move upwardly and engage the lowermost cover in said stack formation, and operable during return movement of said cover feed to transfer to said lowermost cover into juxtaposition to said cover feed member, and motion transmitting means operable to effect movement of said head and said cover feed member in timed relation.

2,252,202
METHOD OF AND MEANS FOR PROVIDING LOOSE-LEAF CATALOGUE OR FILE LEAVES WITH HINGES
Hurley D. Ralston and Otto Felix, Chicago, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 30, 1938, Serial No. 198,978
44 Claims. (Cl. 1—2)

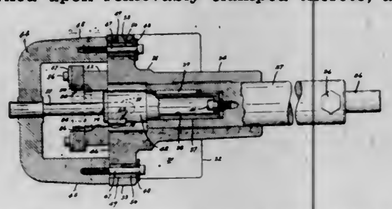


1. A machine of the character described comprising, in combination, an upright framework including a horizontally elongated main bed at the top thereof, a magazine for leaves to be hinged including supports mounted upon one end portion of said bed, means for consecutively feeding the leaves from said magazine downwardly in front of said bed, a chute depending from said magazine to receive the fed leaves, means carried by one of said magazine supports for counting the leaves which are fed into the chute, movable means for stopping the leaves in the chute, means supported at the front of said bed for forming hinges and applying the hinges to the leaves while the latter are stopped in the chute, means at the lower end of said chute for restacking the leaves after they have been hinged, a support for a roll of hinge ribbon in back of said bed, a guide for the ribbon as it passes from said support to said forming means, means for feeding the ribbon to said forming and applying means, driving mechanism mounted on the other end portion of said bed for actuating all of said means in timed sequence in a continuous operating cycle, an electric motor mounted on said frame and having a power connection with said driving mechanism, means for actuating said driving mechanism manually, an electrical control switch for said motor mounted at a convenient place on said bed, safety means connected with said switch to prevent closing thereof and starting of said motor when said manual drive-

actuating means is in condition for use, and an automatic shut-off for opening said switch to stop said motor when the hinge ribbon comes to an end.

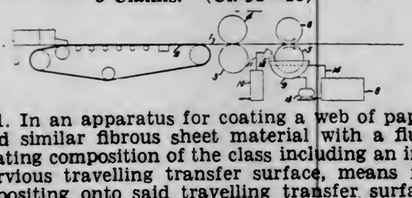
2,252,203
MECHANISM FOR BORING COMPRESSOR CHAMBERS FOR REFRIGERATORS
Francis I. Rataiczak, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 22, 1939, Serial No. 310,595
6 Claims. (Cl. 77—61)

1. An apparatus of the class described comprising, a device adapted to have a member to be worked upon removably clamped thereto, a revolving head member mounted within said device and movable relative thereto, a cutting blade rotatable with said head member and mounted thereon for movement perpendicularly relative to the axis of rotation thereof, guide means separate from said head member and stationarily mounted on said device, said guide means being offset with respect to the axis of said head member, means for rotating said head member and for causing other relative movement between said guide means and said head member, and means rotatable with said head member engaging said guide means and having a connection with said cutting blade to cause the blade to move toward and away from the axis of rotation of said head member for cutting an opening in the member adapted to be clamped to said device of greater dimension in one direction of cross-section through the center of said guide means than in another direction of cross-section therethrough.

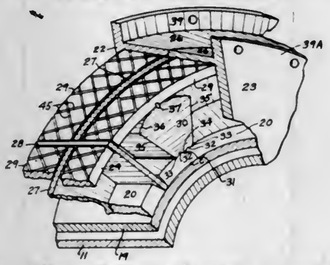


2,252,204
METHOD AND APPARATUS FOR COATING PAPER
Arthur Reilly, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
Application March 7, 1939, Serial No. 260,389
5 Claims. (Cl. 91—18)

1. In an apparatus for coating a web of paper and similar fibrous sheet material with a fluid coating composition of the class including an impervious travelling transfer surface, means for depositing onto said travelling transfer surface a layer of the fluid coating composition, a doctor means for smoothing and re-distributing the coating composition layer on said travelling transfer surface, and means beyond the doctor means for moving the web of fibrous sheet material into and out of coating-trasferring relation with said transfer surface, the combination wherein the doctor means is an air doctor adapted to deliver therefrom a sheet of air under pressure, said air doctor being substantially as long as the web to be coated is wide, being disposed substantially parallel to the plane of the transfer surface and transversely of and adjacent to the latter, and means in co-operation with said air doctor for delivering compressed air thereto, said air doctor being so disposed as to deliver a sheet of air obliquely with respect to the transfer surface.

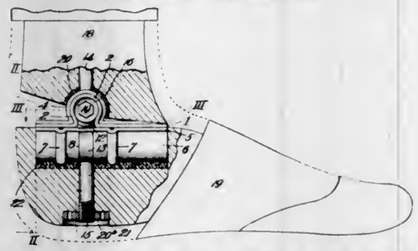


2,252,205
GEARLESS DIFFERENTIAL
Frederick A. Reynolds, Denver, Colo., assignor to Martin E. Anderson, Denver, Colo.
Application September 19, 1939, Serial No. 295,563
17 Claims. (Cl. 180—22)



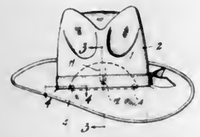
1. A differential mechanism comprising a power driven rotor, two clutch members rotatably connected with the rotor, each of said clutch members having a cylindrical flange, the flanges being turned towards each other to form an annular chamber, a plate separating the chamber into two compartments, radial plates separating the compartments into arcuate sections, an arcuate friction shoe in each arcuate section, positioned adjacent the inner surface of the flange and two double acting cam members positioned between the rotor and the shoe, the ends of the shoes terminating adjacent the radial plates, whereby either one of the clutch members can overrun the other and whereby driving connection will always be maintained between the rotor and the clutch member that rotates the slower.

2,252,206
UNIVERSAL ANKLE JOINT
Milo E. Rice, Kansas City, Mo.
Application June 10, 1940, Serial No. 339,701
2 Claims. (Cl. 287—1)



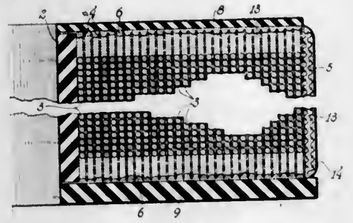
1. In an artificial ankle joint, a pair of plates secured permanently in flatwise abutting relation, and having loop portions projecting in opposite directions at right angles to each other, the loops being constricted to provide mouths of less width than the internal diameters of the loops, the latter also having cross slots in right angular relation, bolts having heads fitting in the slots of said loops respectively and stems alined and projecting in opposite directions, locking pins of angular cross section extending non-rotatably through the heads of said bolts, and cylindrical bushings of ductile metal pressed on said locking pins and embedded by the corners thereof, the bushings providing bearing surfaces between the pins and the plate loops.

2,252,207
HAT
William M. Rodgers, Brentwood, Mo., assignor to International Hat Company, St. Louis, Mo., a corporation of Missouri
Application April 28, 1939, Serial No. 270,531
4 Claims. (Cl. 2—182)



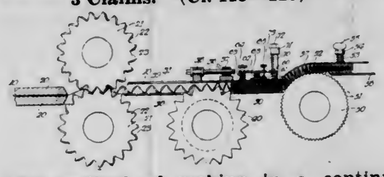
1. A hat comprising a crown and a pad secured to the inside of the crown, said pad comprising a perforated body portion of stiffly resilient material, the ends of said body portion being fastened to said crown, and the distance between said fastenings being shorter along the body portion than along the crown whereby the body portion is spaced from the crown, the central portion of said body portion having a downwardly extending tongue whose lower portion is secured to the crown, said body portion being provided with a facing of absorbent material and adjustment means for tightening and loosening said hat.

2,252,208
ELECTRICAL COIL AND METHOD OF MAKING THE SAME
Theodore F. Rosing, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 21, 1939, Serial No. 291,164
7 Claims. (Cl. 175—21)



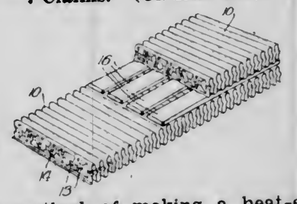
5. An electrical coil comprising, in combination, a core, a winding of superposed layers of an insulated electrical conductor on said core, said winding being peripherally enclosed by a substantially impervious insulating covering, the ends of said winding being completely covered with an insulating cementing material except for a predetermined substantially radially extending area on one end thereof, and an insulating plate secured to the last mentioned end of said winding by said cementing material, whereby a relatively closely restricted substantially radial passage is provided, the spaces within said winding and said passage being filled with a liquid insulating substance solidified in situ.

2,252,209
PROCESS OF MAKING HEAT-EXCHANGE ELEMENTS
Harry E. Schank and Paul R. Seemiller, Detroit, Mich., assignors to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine
Application November 16, 1939, Serial No. 304,656
3 Claims. (Cl. 113—118)



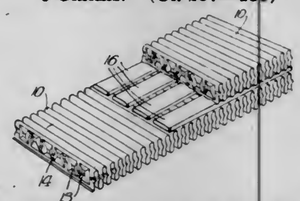
1. The method of making in a continuous process an accordion-pleated fin element having its folds substantially parallel with one another, which consists in moving endwise and reversely folding a metal strip with the bends between the folds rounded and of substantial width, progressively pressing said folds together as they are formed until adjacent folds contact with each other, progressively bending the compressed fin element in one direction a predetermined amount to effect a successive opening up of the compressed folds on one side of the fin element, and then progressively bending the partially opened portion of the fin element in the opposite direction to open the bends on the other side of said element to thereby obtain a completed fin element with its folds accurately spaced in substantially parallel relation, all of said operations being carried on simultaneously.

2,252,210
METHOD OF MAKING HEAT-EXCHANGE CORES
Paul R. Seemiller, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine
Application October 18, 1939, Serial No. 299,954
7 Claims. (Cl. 113—118)



1. The method of making a heat-exchange core of the tubular type which comprises forming a thin, flat, metal tube with a lock seam on its side edge accurately made to act as a spacing means for the thickness of the tube; cutting said tube into predetermined lengths; forming pleated fin sections out of soft metal with folds substantially parallel with one another and with the folds of a frequency sufficient to give said sections rigidity in the direction of their thickness; assembling said fin sections and sets of said tubes in contact with one another, with the fin sections and sets of tubes alternating and with the folds of said fin sections substantially at right angles to the planes of said tubes; forcing said assembled fin sections and tubes together under pressure, with said lock seams acting to space said fin sections and said fin sections acting to space said sets of tubes, to thereby bring said fin sections and tubes into intimate engagement, with the sets of tubes in accurate spaced relation; and uniting said fin sections and tubes while they are so held.

2,252,211
HEAT EXCHANGE CORE
Paul R. Seemiller, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine
Original application October 18, 1939, Serial No. 299,954. Divided and this application January 26, 1940, Serial No. 315,677
5 Claims. (Cl. 257—130)



1. A heat-exchange core of the tubular type comprising a plurality of sets of substantially flat tubes with the tubes of each set arranged in line from front to rear of said core, and a single integral fin section between and united to each two adjacent sets of tubes, said tubes spacing said fin sections apart and each of said tubes being provided along one edge with a multi-layered portion forming a stiffening element extending transversely to the adjacent fin sections, said fin section being made of metal less than four thousandths of an inch (.004") thick and comprising a pleated metal strip having all of its folds substantially parallel with one another and of a frequency of at least nine per inch, the turned-over edges of said folds being rounded and of substantial width and each and every fold being integrally united over all its substantial width with the flat sides of the tubes on the respective sides of the fin section and for substantially the full width of the tubes.

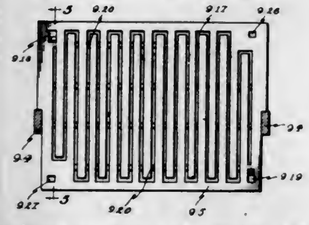
2. A heat-exchange core of the tubular type comprising a plurality of sets of substantially flat tubes, the tubes of each set being arranged substantially in line from front to rear of said core, and a single integral fin section between and united to each two adjacent sets of tubes, said fin section comprising a pleated metal strip having all of its folds substantially parallel with one another, said folds being imperforate but having a multiplicity of humps of substantial depth therein with the humps alternating across the length of the folds both as to distance from the edges of the folds and the direction in which they project from the faces of the folds, the humps in one fold registering with those in adjacent folds to provide an air passage between them that undulates in planes at right angles to one another, the turned-over edges of said folds being of substantial width and each and every edge being integrally united over all of its width with the flat sides of the tubes on the respective sides of the fin section and for substantially the full width of said tubes.

2,252,212
DEVICE FOR INSERTING PESSARIES
Max Silver, Bronx, N. Y.
Application February 12, 1940, Serial No. 318,578
11 Claims. (Cl. 128—127)



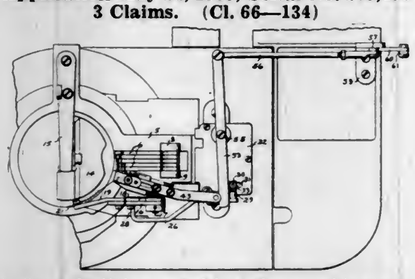
2. In a diaphragm pessary inserter, the combination of an elongated body having means at its forward end for holding an edge of the article to be introduced, said body being provided intermediate its ends with a projection for engaging the article.

2,252,213
DIALYZING APPARATUS
Max Skolnik, Chicago, Ill.
Application August 30, 1939, Serial No. 292,688
4 Claims. (Cl. 210—8.5)



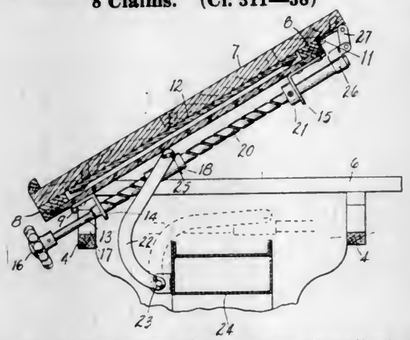
1. A dialyzer consisting of a series of flat plates separated by permeable membranes, each plate comprising a rectangular frame having apertures adjacent each of its four corners, a plurality of integral, spaced parallel tongues projecting from one side of said frame toward the opposite side of said frame, a plurality of similar parallel tongues projecting from the opposite side of said frame and integral therewith, the tongues integral with one side interleaving with the tongues integral with the other side so that the adjacent tongues are integral with opposite sides of said frame, said tongues being of substantially the thickness of said frame and being spaced from each other and from the unattached sides of said frame to provide a single tortuous passageway of relatively small cross sectional area between apertures in diagonally opposite corners of said frame.

2,252,214
FEEDING MEANS FOR KNITTING MACHINES
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application May 24, 1939, Serial No. 275,493
3 Claims. (Cl. 66—134)



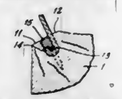
1. In a knitting machine the combination of a series of needles movable with respect to a mouthpiece, feeding means for yarns in said mouthpiece, an elastic yarn feeding means in advance of said mouthpiece, said elastic yarn feeding means being vertically movable to withdraw yarn from the needles when raised, a binder and cutter operable in a horizontal plane having a movable cutting and binding element with a notch therein for engagement of the yarn, said movable element being so positioned with respect to the vertically movable feeding means that when said feeding means is raised to inactive position, the elastic yarn will be so positioned as to be engaged within the notch in the movable element whereupon it may be cut and bound.

2,252,215
INVALID OR OVERBED TABLE AND THE LIKE
Freeman R. Stearns, Ludington, Mich., assignor to Carrom Industries, Inc., Ludington, Mich., a corporation of Michigan
Application October 20, 1939, Serial No. 300,320
8 Claims. (Cl. 311—38)



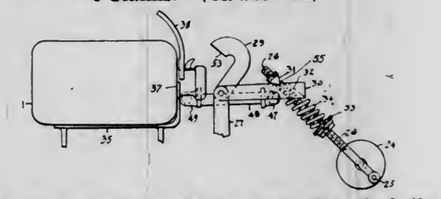
4. In a structure of the class described, the combination with a frame, of an adjustable support pivotally mounted to permit adjustment to a forwardly inclined position, a panel pivotally connected to the rear edge of said support, the pivots being arranged in spaced relation to rear edge of the panel, a threaded adjusting rod carried on said support for pivotal movement therewith, said rod being rotatably and slidably mounted on said support, an adjusting nut member on said rod actuable lengthwise by rotation of the rod in one direction, a link pivoted to said nut member and to said frame, stop means limiting the rearward movement of said rod, said link transmitting thrust to said nut member and rod and thereby pivoting said support on its hinge as the nut member travels lengthwise on the rod with the latter restrained from rearward movement by said stop means, and operating connections for said rod to the rear edge of said panel for pivoting said panel about its hinge to the support, said link preventing longitudinal travel of the nut member on the rod when the latter is rotated oppositely of the said first named direction to thereby slide the rod longitudinally on the support and actuate said connections.

2,252,216
WOODEN SOLE SHOE
Adolf Sterzik, St. Louis, Mo.
Application September 14, 1939, Serial No. 294,835
1 Claim. (Cl. 36—13)



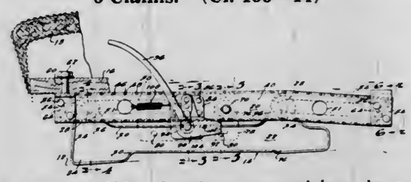
In a shoe, a rigid sole of the nature of wood, having a bevelled upper edge, and a groove extending downwardly from the bevelled portion and inclined inwardly, the bevelled portion extending both inwardly and outwardly on each side respectively of the groove, an upper of flexible material having its margin positioned in the groove, and means for securing said marginal portion in the groove.

2,252,217
MEANS FOR SEALING NONRESEALABLE GLASS CONTAINERS
Howard R. Stewart, Glendale, Calif., assignor of one-third to Lewis D. Collings, Los Angeles, Calif.
Application October 5, 1938, Serial No. 233,393
6 Claims. (Cl. 226—81)



1. In a machine of the class described the combination of a holder adapted to hold a filled, closed, and partially encased glass container having integrally molded on the neck thereof a protuberance, and having an extension of said encasement assembled thereover; heating means for creating a temporary condition of plasticity in said protuberance, said means consisting of burners located one on each side of the said protuberance, and adapted to direct flame jets into contact with said protuberance, and means for pressing said protuberance while in a plastic condition into a seal over the extension of said encasement, said means including a source of power and motion, a crank, a walking beam connected to said crank, a connecting rod, a shaft on which is secured said walking beam, and a pressure arm, the action of the said mechanism resulting in an arcuate movement of the said pressure arm onto the plastic protuberance to be sealed.

2,252,218
SEAT SLIDE STRUCTURE
Willard F. Thoma, Detroit, Mich., assignor to National Stamping Company, Detroit, Mich., a corporation of Michigan
Application June 13, 1940, Serial No. 340,340
8 Claims. (Cl. 155—14)

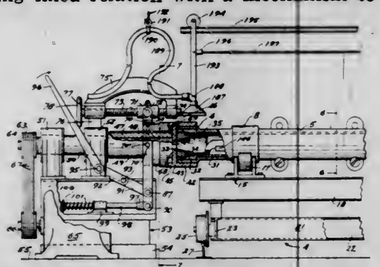


1. A seat slide structure comprising, in combination, a slide part comprising a pair of channel sectioned members arranged with their open sides opposed to each other and one received within the other to form a hollow structure, said channels arranged with their open sides facing horizontally and the vertical wall of one of said channels being slotted in parallel relationship with respect to the upper wall of said side, a pair of rollers within said slide, a support, and a pair of pins carried by said support projecting through said slotted wall and rotatably supporting said rollers thereon.

2,252,219
CENTRIFUGAL TUBE CASTING MACHINE
Frank Trotzke, South Gate, Calif.
Application November 3, 1939, Serial No. 302,703
5 Claims. (Cl. 22—65)

1. A rotary mold for the manufacture of homogeneous tubes and the like, a cylindrical mold

split longitudinally, a removable sleeve-like head having a polygonal bore at each end of the mold for supporting it and clamping it together, one of the heads having a coupling for connection with a rotary driving means and the other head having fixed relation with a mechanism to give



it rotary support and to force it onto and from the mold end, micro-adjustable means at one of the mold ends for compensating for expansion and contraction of the mold and maintaining it in alinement and connection with its end supports.

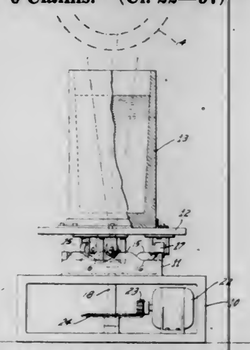
2,252,220

INGOT CASTING APPARATUS

John Trost, Detroit, Mich.

Application April 26, 1939, Serial No. 270,090

6 Claims. (Cl. 22—57)



1. In a shaker device for casting metallic ingots, a rotatable tiltable supporting member for the mold, a stationary cam member having a continuous cam surface having equally spaced risers, an ingot mold mounted on said supporting member and having an axis of rotation coincident with the axis of rotation of said supporting member, a plurality of unequally spaced bearing members carried by said supporting member and arranged to ride on said cam surface, and drive means in the vertical axis of said mold and support to rotate said supporting member.

2,252,221

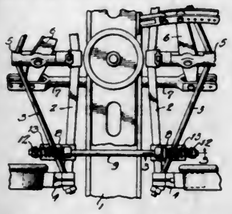
BRAKE BEAM TIE

Edwin E. Van Cleave, Chicago, Ill., and William H. Sale, Richmond, Va., assignors, by direct and mesne assignments, to Naylor Pipe Company, Chicago, Ill., a corporation of Illinois

Application May 20, 1940, Serial No. 336,188

5 Claims. (Cl. 188—216)

1. The combination with a pair of brake beams each including compression and tension members, of tie constructions for securing together the compression and tension members of each beam comprising a pair of interfitting elements formed to have a wedge relationship with each other and with the compression member, said elements having registering apertures, a tie rod passing



through said apertures and extending from one brake beam to the other and a spring arranged to cause gripping of the wedge surfaces of the tie elements and the compression member.

2,252,222

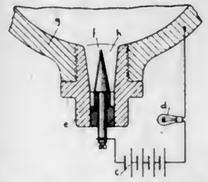
DEVICE FOR DETECTING LOOSE METAL PARTS IN THE OILING SYSTEMS OF POWER PLANTS

Willem Dirk van Os, Bad Hoevedorp, Netherlands

Application October 3, 1938, Serial No. 233,089

In the Netherlands July 12, 1938

5 Claims. (Cl. 200—52)



1. A device for completing an electric circuit in response to loose metal parts in the oiling system of a power plant, said device comprising terminals arranged near the lowest point of the oiling system at a place where metal particles contained in the oil will settle by gravity, the terminals being placed at such a distance from each other that metal parts of a predetermined size will bridge them, thereby electrically connecting said terminals together.

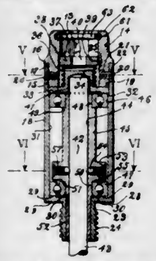
2,252,223

VALVE SEAT GRINDER STONE CARRIER ASSEMBLY

George M. Walraven, Kenosha, Wis., assignor to Snap-On Tools Corporation, Kenosha, Wis.

Application May 1, 1941, Serial No. 391,296

10 Claims. (Cl. 51—241)



1. In a device of the character described, the combination with an outer driving sleeve, a tubular pilot receiving sleeve concentrically disposed in said driving sleeve, anti-friction means interposed between said driving and pilot receiving

sleeve, and friction engaging means in said pilot receiving sleeve projecting in the path of a pilot inserted therein to retain said pilot receiving sleeve stationary relative to said outer driving sleeve.

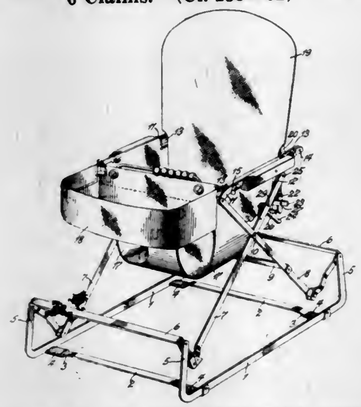
2,252,224

BABY SWING

Albert D. Welsh, Ladue Village, Mo.

Application June 30, 1939, Serial No. 282,038

6 Claims. (Cl. 155—61)



1. In a baby swing the combination comprising a non-extensible base, hangers pivoted on the base, two pair of collapsible scissor bars having their lower ends pivoted to the hangers, the hangers being so proportioned and arranged as to permit the swinging motion of the bars and to provide for collapsing the bars, a seat supported at the upper portion of said scissor bars, and releasable means for locking the bars in extended position.

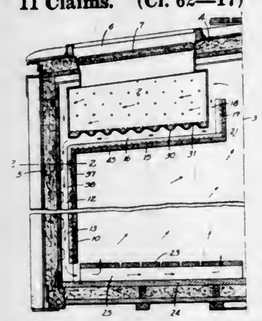
2,252,225

TOP BUNKER REFRIGERATOR CAR

Charles D. Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware

Original application November 22, 1937, Serial No. 175,762, now Patent No. 2,168,557, dated August 8, 1939. Divided and this application January 11, 1939, Serial No. 250,402

11 Claims. (Cl. 62—17)



1. In a refrigerator car, a wall structure arranged to form a car wall and a vertical flue of considerable width parallel with said wall, an ice container, and a drip pan positioned below and spaced apart from the container which drains melted ice from said container into the vertical flue, said drip pan provided with means to evenly distribute said melted ice over the width of said vertical flue, said vertical flue provided with means to direct the melted ice through said flue in a substantially vertical direction.

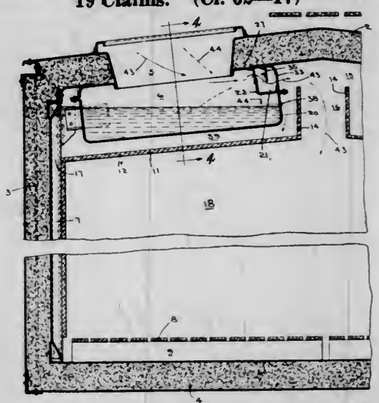
2,252,226

REFRIGERATOR CAR

Charles E. Crede, Chicago, Ill., assignor to Standard Railway Refrigerator Company, Chicago, Ill., a corporation of Delaware

Application March 7, 1940, Serial No. 322,665

19 Claims. (Cl. 62—17)



1. In a refrigerator car having a lading compartment and a roof, a refrigerant container below said roof, having a bottom and spaced apart walls, a hatch in said roof communicating between said container and the exterior of the car, a trough having a bottom and spaced apart sides and being associated with one of said container walls, an aperture in one side of said trough leading to the interior of the container, an aperture in the other side of said trough leading to the exterior of said container and a baffle plate interposed between said sides in spaced relation thereto.

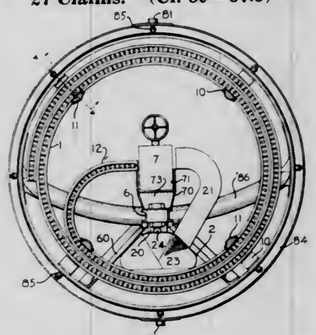
2,252,227

AMMUNITION CONTAINER

John F. Haberlin, Seattle, Wash., assignor, by mesne assignments, to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington

Application November 16, 1937, Serial No. 174,817

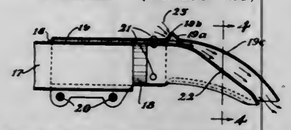
27 Claims. (Cl. 89—37.5)



8. A gun mount for a machine gun upon an aircraft housed within an enclosure, including a gun-supporting member and a support therefor,

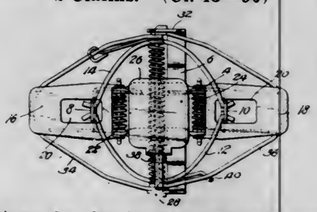
with relation to which said member is mounted for universal relative rotation about two axes disposed angularly with respect to each other, and each with respect to the axis of the gun barrel, an ammunition container disposed in a plane substantially at right angles to and encircling the gun barrel, sufficiently spaced from the latter to allow an appreciable field of vision about the gun, and supported from said support for universal movement jointly with said gun-supporting member, whereby in all positions of the gun the encircling ammunition container remains in a plane at right angles to the gun barrel, and a case and link receiver within the encircling ammunition container supported for movement with said gun-supporting member, the enclosure surrounding the ammunition container, the receiver, the gun-supporting member and the associated part of the gun, and through which the gun's muzzle protrudes.

2,252,228
AUTOMOBILE EXHAUST PIPE EXTENSION
Louis A. Koch, Jr., near Louisville, Ky.
Application September 12, 1938, Serial No. 229,554
1 Claim. (Cl. 138—25)



An exhaust-pipe extension comprising, an outer wall structure having a mounting portion adapted to receive and grip an exhaust pipe, and a terminus portion adapted to extend beyond the end of an exhaust pipe; a solid material of low heat conductivity overlying the inner surface of the mounting portion of the said outer wall structure, for thermally insulating the said mounting portion from the exhaust pipe; an inner wall structure spreading beneath the under surface of the terminus portion of the said outer wall structure, for shielding the said terminus portion from gases discharged from the exhaust pipe, the said inner wall structure having a portion thereof overlying a portion of the solid material of low heat conductivity; means fixedly supporting the said inner wall structure in spaced relation to the said outer wall structure for providing an air space between the said structures through which air moves for maintaining a heat insulation therebetween and for cooling the said structures; and means for securing the mounting portion of the said outer wall structure to the end of the exhaust pipe.

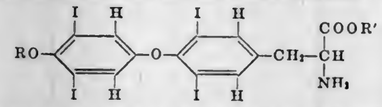
2,252,229
TRAP FOR FUR-BEARING ANIMALS
Ignace G. Leonard, New Orleans, La.
Application November 29, 1940, Serial No. 367,713
2 Claims. (Cl. 43—90)



1. A trap for fur-bearing animals comprising a support, a pair of main jaws pivoted to said support for gripping a leg of the animal, a pair of elongated open-center plates pivoted to said support, said jaws riding in said open centers, a pair of spring stressed secondary jaws pivoted to said support adapted to be held down by the outer ends of said pair of plates respectively, said secondary jaws being so constructed and arranged as to bite into the flesh of said leg above and at right angles to the gripping by said main jaws when the trap is sprung, and means for holding the trap in set condition.

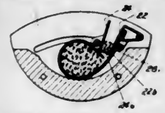
2,252,230
ETHERS OF THYROXIN AND THEIR ESTERS AND A METHOD OF MAKING THE SAME
Arnold Loeser, Freiburg in Breisgau, Germany, assignor to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application February 4, 1939, Serial No. 254,595. In Germany February 9, 1938
12 Claims. (Cl. 260—471)

6. Thyroxin-O-ether of the general formula $C_{15}H_9O_4NI_4RR'$ and the structural formula



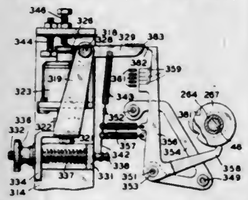
wherein R is an alkyl radical and R' is a member of the group consisting of hydrogen and alkyl radicals.

2,252,231
MEANS FOR MAKING CIGARETTES
Archie J. Moser, Central City, Iowa
Application August 7, 1939, Serial No. 288,697
6 Claims. (Cl. 131—58)



1. In a cigarette rolling machine, a cigarette paper gripping means, a cigarette forming means for forming the tobacco and paper into a cylinder, and means engageable with the paper gripping means for cutting off the surplus tobacco.

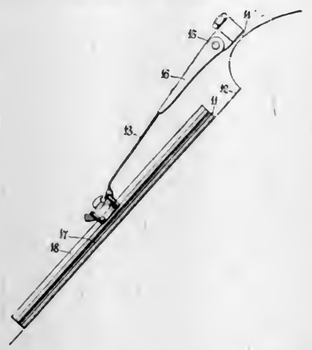
2,252,232
TELEGRAPH SELECTOR MECHANISM
Paul A. Noxon, Tenafly, N. J., Samuel W. Rothermel, Lynbrook, N. Y., and Frank J. Maus, Paterson, and Emerson J. Sortore, Westfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Original application March 3, 1936, Serial No. 66,906. Divided and this application August 17, 1938, Serial No. 225,364
10 Claims. (Cl. 178—27)



1. A selecting mechanism comprising a plurality of selector members, said selector members

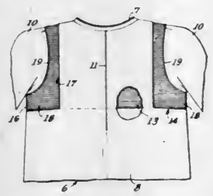
having knife-edged portions, means for moving said selector members in succession, an electromagnet, a member controlled thereby to be selectively positioned to one side or the other of said knife-edged portions and in one position restricting movement of said selector members, a plurality of notched selector bars controlled by unrestricted movement of said selector members to selectively align the notches of said bars, printing means and means movable into said aligned notches for controlling said printing means.

2,252,233
WINDSHIELD CLEANER
Edward W. Sibley, Kenmore, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application March 6, 1939, Serial No. 260,005
7 Claims. (Cl. 15—250)



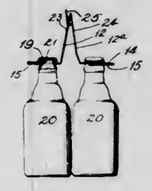
1. In a windshield cleaner, a wiper blade having a holder secured to the back thereof comprising substantially rigidly connected and substantially parallel spaced flanges, a bowed leaf spring between the flanges having its ends engaging the ends of one of said flanges to prevent displacement therefrom, and a wiper arm having a portion with substantially flat sides disposed between the convex side of said spring and the other of said flanges.

2,252,234
GARMENT
Louis A. Siegel, Mount Vernon, N. Y.
Application May 13, 1941, Serial No. 393,150
5 Claims. (Cl. 2—93)



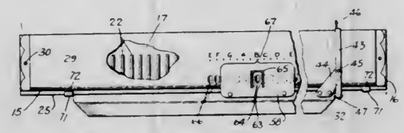
1. A garment comprising a coat-like member of non-stretchable material provided with oversized armholes, a vest-like member of stretchable material secured within said coat-like member and having portions thereof extending through and beyond said oversized armholes, said extending portions of said vest-like member being provided with conventional armholes, and sleeves secured to said extending portions of said vest-like member at the armholes thereof.

2,252,235
BOTTLE CARRIER
Nicholas Snelling, Jackson Heights, Long Island, N. Y., assignor, by mesne assignments, to Zimba Beverage Co., Inc., New York, N. Y., a corporation of New York
Application August 4, 1938, Serial No. 223,039
1 Claim. (Cl. 224—45)



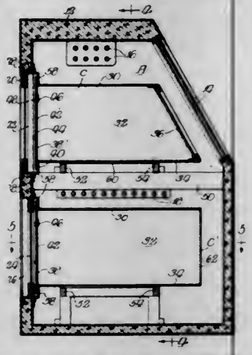
A device for supporting an article having an enlarged and a restricted portion, said device comprising a blank cut and scored from sheet material to form a suspending part and an article-engaging part with a fold line therebetween, said article engaging part comprising one member extending integrally from the first part and foldable with respect thereto and a second member foldable under the first named member and integral with the end of the first named member, the free end of the second member being independent of said first named part, the first named member having a large article-receiving aperture adapted to pass over the enlarged portion of the article, the said aperture having a reduced side portion conforming with approximately one half of the circumference of the restricted part of the article to be engaged, and the second named member having a segmental notch engaging substantially the other half of the restricted part of said article and serving to force the article toward the reduced portion of the aperture of the first named member, the said reduced portion of the aperture and the said notch cooperating to encircle the restricted portion of the article beneath said enlarged portion in suspending an article from said first part.

2,252,236
HARMONICA
Walter R. Steele, Lemon Grove, Calif.
Application November 21, 1938, Serial No. 241,499
13 Claims. (Cl. 84—377)



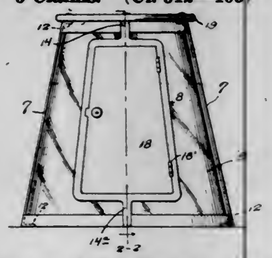
1. In a harmonica, the combination of a reed plate assembly having isolated rows of air cells and reeds extending over the mouths of said cells, an apertured plate secured to said reed plate assembly and admitting passage of air to said reeds, an adjustable key transposing mouthpiece mounted to move longitudinally upon said assembly, said mouthpiece having a series of air openings therethrough, a selector plate secured thereto and separating said openings from said assembly, and said selector plate having rows of air ducts therethrough in spaced relationship admitting the passage of air to pre-selected arrangements of cells and reeds in said rows.

2,252,237
FOOD STORAGE AND DISPLAY DEVICE
Edward M. Stiles, Burlington, Iowa
Application October 2, 1939, Serial No. 297,567
8 Claims. (Cl. 62—89.6)



1. A food storage device comprising an outer casing, refrigerant means therewithin, a transparent window in one wall thereof, a plurality of openings therein, compartments adapted to be inserted into said casing through said openings, and windows in said compartments adjacent said window in said casing when said compartments are inserted in said openings, each of said compartments having an outwardly extending member around one end, said member effecting an abutting engagement with the wall of said casing when the compartment is inserted through one of said openings therein.

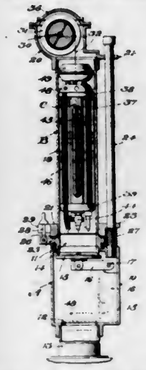
2,252,238
SHOWCASE
Acel R. Stafford, Wilmington, Calif.
Application July 11, 1940, Serial No. 345,005
3 Claims. (Cl. 312—135)



1. A showcase of the character described having a casing including disk-like top and bottom members having thickened margins provided with grooves, a circular transparent body having its ends received in said grooves and provided at one side with an opening, frame members connecting the top and bottom members of the casing, one of said frame members having an intermediate door frame portion coincident with the opening in the body, and a door hinged in said door frame portion.

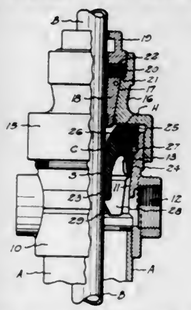
2,252,239
FLUID SAMPLING DEVICE
John J. Tokheim, Cedar Rapids, Iowa
Application June 12, 1939, Serial No. 278,763
4 Claims. (Cl. 33—126.7)

1. A device of the character described, comprising a lower section in the form of a valve casing having top and bottom alined openings, means for mounting said lower section upon the top of a liquid tank with said openings alined with an opening in the tank top, a valve within said casing movable between a position to close the opening in the top of said casing and a position in laterally offset relationship to said openings, an upper section including an open-bottom casing, means mounting said upper section upon said lower section for movement between a position in which said open-bottom casing is alined



with the openings in said lower section and a position in which said open-bottom casing is disposed to one side of said lower section casing, means for releasably securing said upper section in its first mentioned position in fluid tight relationship to said lower section, a testing unit disposed normally in the casing of said upper section, and means for lowering said testing unit from and for elevating same into the casing of said upper section casing.

2,252,240
PACKING DEVICE
Sheridan P. Tschappat, Tulsa, Okla.
Application March 16, 1939, Serial No. 262,104
6 Claims. (Cl. 288—5)



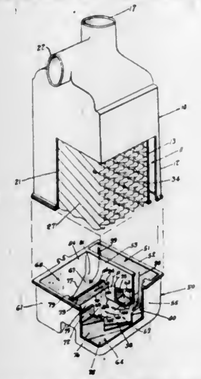
1. A packing device including, a body through which a well tubing extends, an elastic packing member mounted within the bore of the body for sealing off the annular space between the body and tubing, said member including a ring portion having depending inner and outer annular sealing elements which are spaced from each other and which are arranged to engage said tubing and body to effect a seal with these parts and a plurality of radially disposed ribs extending between and attached to one of the sealing elements for reinforcing and bracing said elements, each rib having its lower end projecting below the lower end of the sealing elements and having its inner edge bevelled inwardly, whereby said ribs act to guide the well tubing into the inner sealing member.

2,252,241
FLASH LAMP
Johannes Antonius Maria van Liempt, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 11, 1938, Serial No. 195,382
In Germany March 30, 1937
6 Claims. (Cl. 52—24)



1. In a photo-flash lamp, a flasher material consisting of an alloy of aluminium, zinc, and cadmium in the proportion of about 6% by weight of zinc, of about 9% by weight of cadmium, and the remainder aluminium.

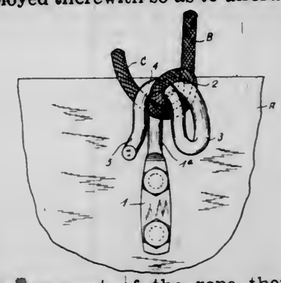
2,252,242
GAS AND VAPOR CLEANING APPARATUS
Everett N. Wood, Minneapolis, Minn.
Application February 13, 1939, Serial No. 256,141
14 Claims. (Cl. 183—24)



1. An article of manufacture comprising a pair of rectangular sumps, the sumps being in substantially the same plane and oriented with a sidewall of one sump parallel with and spaced from a side wall of the other sump so as to form a nozzle space therebetween, a manifold having a converging portion beneath the sumps communicating with and terminating in the nozzle space between the sumps, said manifold having an inlet extending above the sumps whereby fluid is contained in the sumps and nozzle space during idle conditions and the converging portion of the manifold being longitudinally aligned with the nozzle space between the sumps whereby gases flowing in the manifold are uniformly distributed to the nozzle space.

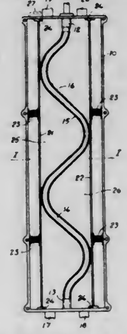
2,252,243
ROPE TIE HOOK
Samuel Zoppelt, Berea, Ohio
Application October 2, 1939, Serial No. 297,549
1 Claim. (Cl. 24—130)

A rope tie hook comprising a substantially stiff rod having a U-shaped bend, a bow portion extending from said bend in a plane substantially normal to that of said bend, a second substantially U-shaped bend extending from said bow and paralleling and spaced from said first-named bend a distance less than the diameter of the rope to be employed therewith so as to afford frictional



locking engagement of the rope therebetween, and a diverging free end portion extending from said second-named U-shaped bend so as to serve as a means for insertion of the rope between said parallel bends, said bends possessing sufficient resilience for effective frictional engagement of the rope therebetween.

2,252,244
LIQUID PUMP
Carl Wilhelm Henrik Dücker Bennet and Anders Johan Emil Rylander, Stockholm, Sweden, assignors to Louise Gunnila Violet Bennet, Runeborg, Stocksund, Sweden
Application October 14, 1940, Serial No. 361,175
In Sweden October 13, 1939
3 Claims. (Cl. 103—149)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

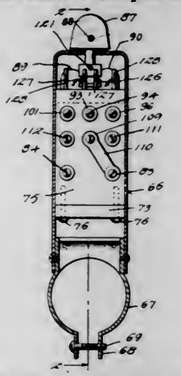


1. A pump comprising a working chamber, a flexible wall in said chamber, means for imparting to said displaceable wall a uni-directional wave-like movement, a second wall arranged to abut a crest of said displaceable wall, said walls being spaced from each other so as to constitute the working chamber, and resilient means arranged normally to maintain said second wall in contact with said crest and to permit said second wall of being removed from said crest due to excessive pressure on said second wall.

2,252,245
VEHICLE DIRECTION SIGNAL SWITCH
Norman D. Benson, Iron Mountain, Mich.
Application June 8, 1939, Serial No. 278,155
5 Claims. (Cl. 200—87)

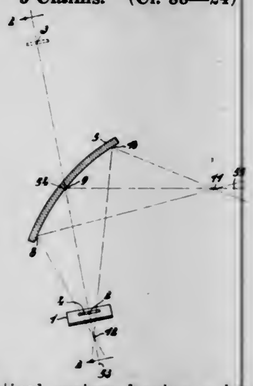
1. A switch comprising a housing, an insulat-

ing member in the housing, a pair of spaced apart V-shaped contacts secured to said member, a pair of yieldable contacts associated with each of said pair of contacts and spaced therefrom, a shaft rotatably carried by said member, a disc-shaped armature fixed to one end of said shaft, a handle fixed to the other end of said shaft, a pair of spaced apart bridging contacts engageable with said V-shaped contacts and said



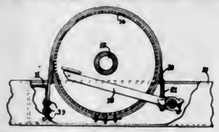
yieldable contacts, means eccentrically securing said bridging contacts to said armature, yieldable means normally holding said bridging contacts in circuit breaking position between the divergent portions of said V-shaped contacts, and an electromagnetic holding means in said housing electrically connected to one of said pair of V-shaped contacts associated with said armature for holding said bridging contacts in circuit closing position.

2,252,246
OPTICAL SYSTEM
Jan Bergmans and Clamor August Lamberts, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 12, 1938, Serial No. 245,294
In the Netherlands December 15, 1937
3 Claims. (Cl. 88—24)



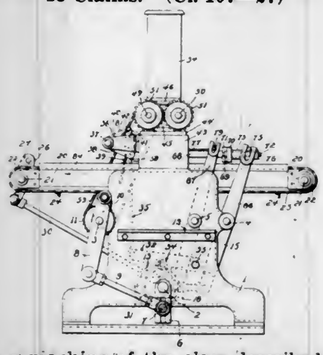
1. An optical system having a bent axis and comprising a linear light source, means for changing the light emitted by said source into a parallel beam including a cylindrical optical element, and a mirror intercepting said parallel beam, said mirror having an active surface of revolution whose generatrix is a parabola having an axis perpendicular to the axis of revolution of the surface and a focus in the convergence point of the light beam reflected from the surface.

2,252,247
BAND BRAKE
Oscar B. Bjorge, Portland, Oreg.
Application March 16, 1940, Serial No. 324,332
1 Claim. (Cl. 188—77)



In a band brake of the class described, a pair of brake bands adapted to partially encircle a brake drum and to be secured at one pair of ends to an anchor, and having a gusset plate uniting the opposite ends of the bands, and holding same in spaced relationship, a central band removably attached to said gusset plate having a shear lug thereon adapted to engage said gusset plate, and a brake applying means attached to said central band, said band brake being characterized by having its friction surface completely encircling the drum and having means for separating the joint ends of said bands for construction and assembling purposes.

2,252,248
CANDY SHAPING MACHINE
Edward W. Bridge, Philadelphia, Pa.
Application October 23, 1939, Serial No. 300,864
18 Claims. (Cl. 107—27)

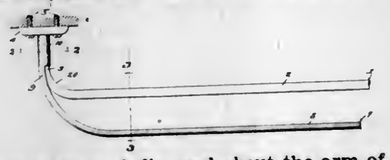


1. In a machine of the class described, a supporting frame, a first motion shaft journaled therein, a reservoir for plastic material mounted on the frame, a die expressing mechanism beneath said reservoir, feed rolls for forcing material from said reservoir into said die expressing mechanism, means to drive said feed rolls step-by-step and to operate said die expressing mechanism from said first motion shaft in harmony with said feed rolls, and means to sever extruded shapes from the mass.

2,252,249
TOWEL AND WASHCLOTH BAR
Kenneth Brown, Atlanta, Ga.
Application February 5, 1940, Serial No. 317,396
4 Claims. (Cl. 211—123)

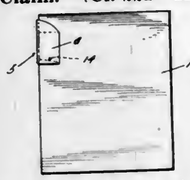
2. In a combined towel and wash cloth rack, a main bar comprising a curved portion merging into a supporting arm disposed substantially at right angles to the main bar, an auxiliary bar

disposed in front of the main bar and having a free inner end, the auxiliary bar having an arm disposed substantially at right angles to the auxiliary bar, the arm being of trough-shape throughout, to laterally receive the arm of the main bar, and a connector on the arm of the



auxiliary bar and disposed about the arm of the main bar, the curved portion of the main bar extending inwardly, out of the trough-shaped arm of the auxiliary bar, to prevent the arm of the auxiliary bar from rotating on the arm of the main bar, and to prevent the free end of the auxiliary bar from swinging downwardly.

2,252,250
POURING SPOUT
John A. Byrone, Chicago, Ill.
Application December 13, 1939, Serial No. 309,098
1 Claim. (Cl. 221—11)

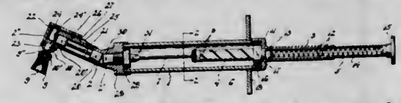


In combination with a container having an opening in a wall thereof, a pouring spout comprising a front portion and a pair of side wings, the lower edge of the front portion at its junction with the wings having upwardly extending notches therein for receiving those portions of the lower wall of the opening in the container which are adjacent the side walls of said opening, with the spout rocking on these portions at the notches, the lower edge of the front portion slightly diverging downwardly from its center to the notches, the upper edges of the wings being bowed upwardly to contact portions of the top wall of the opening in all positions of the spout and said wings having upwardly extending projections thereon at the outer ends of said upper walls for limiting outward movement of the spout and said wings having their lower ends extending below the lower edge of the front part, the lower edge and the top edge of the front portion of the spout overlapping parts of the container below and above the opening when the spout is closed, said front of the spout being of substantially V-shape in cross section and having an upwardly bowed notch in the center of its lower edge and the opening in the container being made in a corner thereof with one part of the opening in one side of the container and another part in an adjacent side with the upwardly bowed notch receiving a portion of the corner of the container when the spout is in open position.

2,252,251
ROTARY TOOTH CLEANER
Frederick Bremner Cooper, Moose Jaw, Saskatchewan, Canada
Application September 9, 1938, Serial No. 229,198
1 Claim. (Cl. 74—89)

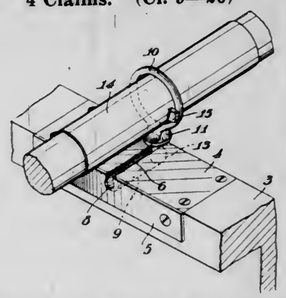
In a rotary tooth cleaner, a cylindrical casing

provided with a diametrically opposed finger-piece, an extension in end alignment with said casing in the form of a hollow, open-ended, sleeve, a hollow longitudinally slotted rod extending through said sleeve normally projecting partially therefrom a coil spring therewithin, one end of said coil spring bearing against one end of said rod, a thumbpiece on the end of said rod, a keeper extending diametrically through the longitudinal slot in said rod and through



said sleeve, the opposite end of said spring bearing against said keeper, said rod being also spirally slotted at the forward end thereof, a shaft extending through said casing, a cross key at one end of said shaft engageable with said spiral slot, a centering washer secured around said rod and slidable within said casing, manual pressure upon said rod causing the same to endshift within said casing and sleeve to effect rotation of said shaft.

2,252,252
ROWLOCK FOR ROWING AND SCULLING BOATS
Louis Hepburn Cross, Rochester, England
Application October 29, 1940, Serial No. 363,349
In Great Britain June 16, 1939
4 Claims. (Cl. 9—26)

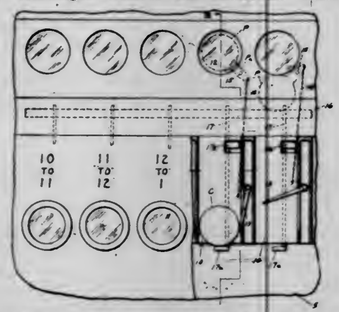


1. A rowlock for rowing boats comprising a base member adapted to be fitted to the gunwale of a boat to lie over the top of the gunwale, a guide means on said base member which extends transversely thereof, a side plate adapted to lie against the inside face of the gunwale and which is formed to provide a downward extension of the guide means provided on the base member, and an oar-engaging element adapted to so embrace the oar as to imprison same and which is engaged with and free to move along said guide means so as to be retained against accidental detachment and to be capable of assuming a position for use in which it upstands from the gunwale and an out-of-use position in which it causes the oar to become stowed inboard.

2,252,253
PARKING METER
George M. Ferguson, Portland, Oreg.
Application February 27, 1940, Serial No. 321,070
4 Claims. (Cl. 194—1)

1. In a parking meter, a head, means for supporting the head above a street at easily visible elevation, a plurality of coin slots in side by side relationship in said head, coin chutes below said

slots, signaling means operable upon insertion of a coin into a slot that are effective to indicate the slot wherein it was inserted, a transparency through which an inserted coin may



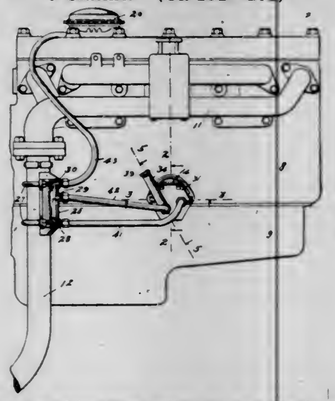
be seen after insertion, means for temporarily holding said coin on view, and other means operable upon the insertion of the coin in a slot effective to drop all coins previously inserted and on view to a point of storage.

2,252,254

OIL TEMPERATURE REGULATOR

Hugo P. Fesenmaier, Minneapolis, Minn.

Application December 12, 1938, Serial No. 245,188
6 Claims. (Cl. 184—104)



1. The combination with an internal combustion engine having a pump and an oil cleaner in its oiling system, of a heat exchanger constructed and arranged to be heated by the exhaust gases from said engine, said heat exchanger having an oil intake leading from said system on the pressure side of the pump and also having two outlets, one of which is arranged to discharge into said system other than its oil cleaner and the other of which is arranged to discharge into said cleaner, and a relief valve in the first noted outlet normally closing the same and arranged to open under a predetermined pressure of oil from the pump.

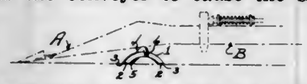
2,252,255

CONVEYER HEAD SHIFTING DEVICE

Frank Fulton, Whitesville, W. Va.

Application October 14, 1940, Serial No. 361,177
2 Claims. (Cl. 254—88)

1. A device for shifting the shovel of the feeding head of a reciprocating conveyer from one working position to another, comprising an arch shaped beam providing supporting means, a relatively long thin slide member secured adjacent one end to the beam for disposal at a downward inclination centrally from the upper portion thereof and adapted to be arranged with respect to the shovel for disposal of the slide member in the path thereof upon the rearward stroke of the conveyer to cause the shovel to



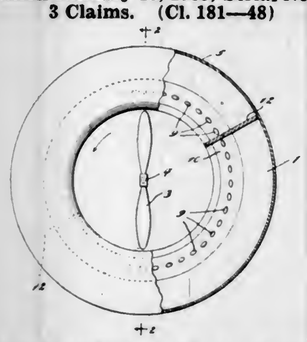
engage said member and slide down the same, anchoring means for said device and formed on the lower ends of the beam and the slide member, said slide member terminating in a slightly curved horizontally disposed lower end and being tapered inwardly toward said end, and a handle formed on the upper end of the slide member to facilitate manually moving said device.

2,252,256

SOUND ATTENUATOR FOR AIR IMPELLERS

Eliot Huntington Harris, New York, N. Y.

Application January 11, 1939, Serial No. 250,365
3 Claims. (Cl. 181—48)



1. A sound attenuator for air impellers comprising an annuloid having an outer imperforate surface and an inner perforated surface, said surfaces joined together at the leading and trailing edges, said inner surface having the greater diameters of its annular form at its axial extremities, the lesser diameter occurring in the central section of its axial length, walls within said annuloid to divide same into impedance and resonance chambers, means for passage of sound waves from exterior of said annuloid into said impedance chambers, and orifices between said impedance chambers and said resonator chambers.

2,252,257

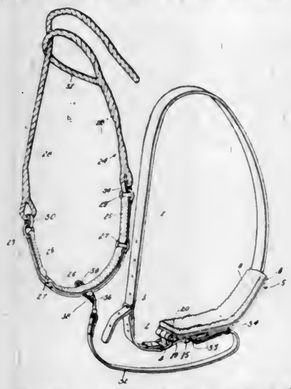
COMBINATION FLANK STRAP AND CINCH GIRTH

William E. Harvey, Malaga, Wash.

Application August 12, 1940, Serial No. 352,335
3 Claims. (Cl. 54—1)

1. In a harness for horses, a flank strap and a cinch girth adapted to be trained around the body of a horse adjacent the hind and fore quarters, respectively, said girth having detachable ends and being adapted to fall to the ground when said ends are detached, and a fastener for attaching the ends of the flank strap together under the belly of the horse comprising an elongated body portion having one end secured to one end of said strap, a ring on the other end of said strap, a hasp pivotally mounted on the body portion for insertion through said ring and swing-

able downwardly under pull of the flank strap thereon to permit the ring to slide off the same, means on said body portion for locking said hasp against downward swinging and operative to un-



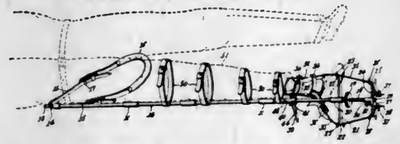
locking position, and means connecting said girth to said first means for operating the same to unlocking position under the weight of the falling girth.

2,252,258

TRACTION SPLINT

George W. Hayden, Miami, Fla., assignor, by direct and mesne assignments, of thirty-seven and one-half per cent to M. A. Tibbets and twenty per cent to E. F. P. Brigham, Miami, Fla., and five per cent to Sidney A. Jones, Fort Lauderdale, Fla.

Application March 18, 1940, Serial No. 324,685
6 Claims. (Cl. 128—85)



4. An improved traction splint comprising an elongated substantially rigid extensible member adapted to be disposed alongside of the injured portion of the patient's body, said member comprising two relatively axially movable elements, means for extending said member by effecting said movement, an abutment sling secured to one end of said member, a traction sling adapted to occupy a position intermediate the ends of said member, tapes attached to said traction sling, means for securing the ends of said tapes to the opposite end of said member, a spreader element mounted upon said member at an intermediate point and extending transversely thereof so that its ends project from each side of said member, and means on the oppositely projecting ends of said spreader element for guiding the intermediate portions of said respective tapes in spread apart position.

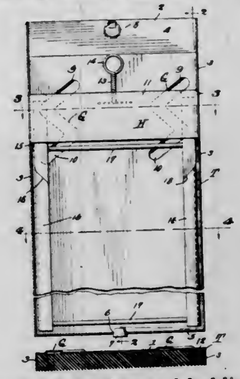
2,252,259

FILM DEVELOPING APPARATUS

Carl L. Horner, Bellevue, Pa., assignor of one-half to Robert D. Kreider, Mauch Chunk, Pa.

Application June 26, 1940, Serial No. 342,565
3 Claims. (Cl. 95—90)

1. Apparatus of the class described including a tank having an inlet and zig-zag grooves in opposed walls below the inlet, a removable plug seated in the inlet and bridging intermediate portions of the grooves, and means suspended



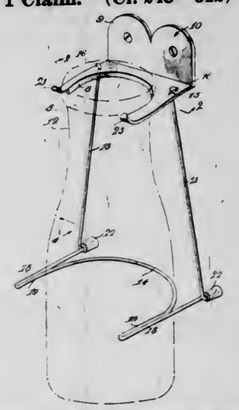
from the plug for engaging and holding the edge portions of a film.

2,252,260

MILK BOTTLE HOLDER

Thomas D. Jones, Philadelphia, Pa.

Application May 29, 1939, Serial No. 276,451
1 Claim. (Cl. 248—312)



A milk bottle holder comprising an L-shaped bracket having a vertical member adapted to be secured to a door frame or the like, and a horizontal member having an opening on the front side to receive the neck of a milk bottle, a frame formed of stiff wire bent to form arms extending downwardly from the horizontal member, arms extending forwardly from the lower ends of the first named arms, a U-shaped support extending across the space between and in the same plane as the forwardly extending arms adapted to embrace the rear side of a milk bottle suspended by the neck in said opening in the horizontal member of the bracket, the downwardly extending arms having laterally bent upward ends contacting with the upper face of the horizontal member of the bracket to secure the arms to the bracket, said downwardly extending arms being disposed in a plane between the vertical member of the bracket and the rear end of the neck receiving opening in the horizontal member of the bracket, loops formed at the meeting ends of the downwardly extending arms and the forwardly extending arms on the same side of the frame extending rearwardly in alignment with the forwardly

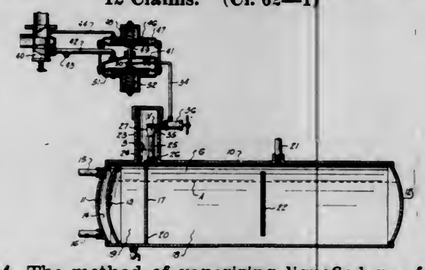
extending arms adapted to space the milk bottle from said door frame or the like and yielding housings for the loops forming bumpers to engage said door frame or the like, the free ends of the housings terminating in the plane of the vertical member of the L-shaped bracket.

2,252,261

METHOD OF AND MEANS FOR VAPORIZING HYDROCARBON LIQUIDS

Sam P. Jones, Dallas, Tex.

Application September 23, 1940, Serial No. 357,889
12 Claims. (Cl. 62—1)



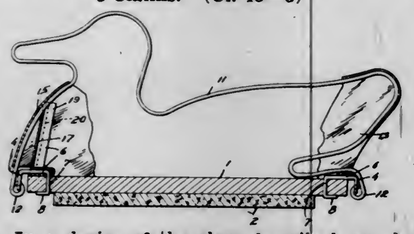
4. The method of vaporizing liquefied gas for supplying a gas operated device which includes, confining a body of liquefied gas, accumulating gas arising from said body, temporarily utilizing said accumulated gas, conducting a portion of said liquid through a zone of continuous heat to vaporize said liquid portion and provide an operating supply of gas, varying the rate of heat transfer from the heat source to the liquid portion to be vaporized solely by the rise and fall of the liquid being vaporized which is induced by pressure variations resulting from the fluctuations in the consumption of the gas, and shutting off the communication with the accumulated gas when the supply of operating gas is sufficient.

2,252,262

DECOY

Parke F. Keays, Broken Bow, Nebr.

Application November 28, 1940, Serial No. 367,662
5 Claims. (Cl. 43—3)



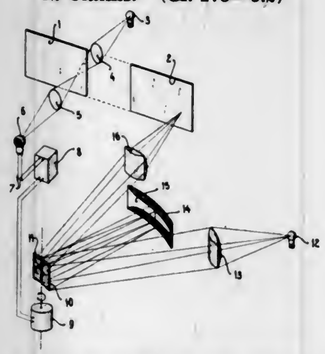
1. In a device of the class described, an elongated rectangular base of buoyant material forming a float, a sheet of waterproof flexible material secured to the edges of said base for stretching upwardly therefrom to form a body simulating that of a fowl, said sheet being collapsible from stretched condition to fold down on said base, means to stretch said sheet comprising a manipulative frame member swingable on said base into upright position beneath said sheet, said member conforming in shape to the outline of said body, said sheet being detached from said base at one end of the latter to provide an opening therein for access to said member, and a flexible member attached at its edges to said base and sheet adjacent the opposite end of said base and forming a partition in the rear of the front of said body acting to seal the front of the body against leakage of water thereinto.

2,252,263

METHOD AND ARRANGEMENT FOR THE TRANSMISSION OF IMAGES

Pieter Kremer, Bilthoven, Netherlands

Application March 31, 1939, Serial No. 265,340
In Great Britain April 12, 1938
12 Claims. (Cl. 178—5.2)



1. In a compensated electro-optical photographic printing apparatus, an original image, a sensitive photographic plate of determined photographic characteristics, electro-optical transmitting means for scanning said original image and translating successive points of said image into a corresponding instantaneous electric-current, voltage-responsive electro-optical receiving light source means adapted to direct a linear beam of light selectively in directions which vary continuously with the voltage applied to said receiving means from said transmitting means, optical mask means interposed in the path of said linear beam, and means for impressing on said photographic plate a point image in scanning relation synchronized with said transmitting means corresponding to said linear beam after translation by said mask means, said mask means having an optically active surface of a configuration extending lengthwise to intercept all positions of said linear beam and of length in the direction of the width of said linear beam at a given point lengthwise of said mask means which varies according to the deviation from linearity of the characteristic curves of the sensitive layers of the used negative and positive photographic material showing the relation of transmission power after development to incident light, and, if necessary, also according to the deviation from linearity of the characteristic curves of the electro-optical means showing the relation of the output to the input energy.

2,252,264

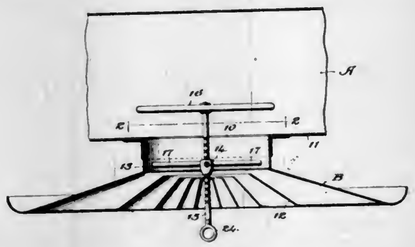
VENTILATING APPARATUS

Franz J. Kurth, New York, N. Y., assignor to Anemostat Corporation of America, a corporation of Delaware

Application August 26, 1938, Serial No. 226,987
5 Claims. (Cl. 98—40)

1. Ventilating apparatus comprising an air supply duct having an outlet opening, an air outlet device connected with said duct in air receiving relationship to said opening, said device comprising a plurality of successively larger, open-ended, hollow, flaring members disposed in

spaced apart relationship to provide a plurality of flaring air passageways therebetween, the larger ends of said members being disposed at the front of the device and said members being fixed with respect to each other and with respect to said duct, a bearing member mounted in said air outlet device, a valve stem adjustably mount-



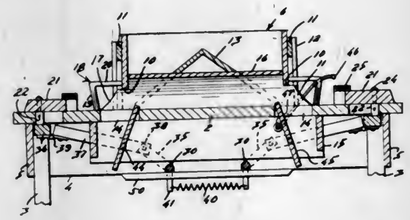
ed in said bearing member, and a valve carried by said stem and disposed within said duct to regulate flow of air from said duct through said opening to said air outlet device, said valve stem extending through said device and being exposed at the front thereof for manipulation to adjust said valve without disturbing the fixed relationship between said flaring members.

2,252,265

POTATO CUTTING AND SORTING MACHINE

Albert Larsen, Stetsonville, Wis., assignor of one-fourth to E. J. Hecker and W. M. Vercks, both of Stetsonville, Wis.

Application November 22, 1940, Serial No. 366,746
3 Claims. (Cl. 146—169)



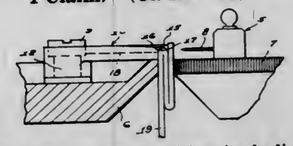
1. Apparatus for cutting and sorting potatoes comprising a base including an elevated top of elongated rectangular form having a pair of discharge drops therein in the longitudinal center thereof and upon opposite sides of the transverse center of the top, a gravity feed supply hopper on said top having a pair of end discharge apertures therein extending beyond opposite sides of said drops, to provide for discharge of potatoes from the hopper onto said top upon opposite sides of said drops, a bottom in said hopper inclining oppositely from the center of the hopper to said apertures, respectively, a pair of cutter bars in advance of said drops, respectively, having upstanding cutting portions in the longitudinal center of the top adjacent the drops, means at opposite ends of said top for feeding potatoes against said cutting portions and over said drops for cutting the same into sections to fall through the drops, a plurality of storage receptacles beneath said top, and manipulative means for deflecting the sections from said openings into selected receptacles.

2,252,266

ATTACHMENT FOR SINGLE OR TWO THREAD CHAIN OVER STITCH PRODUCING MACHINES

Earl Liuzzi, Gloversville, N. Y.

Application December 7, 1939, Serial No. 308,078
1 Claim. (Cl. 112—20)



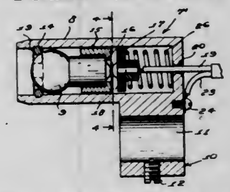
In a cup feed sewing machine including a pair of horizontal feed wheels and a horizontally arranged needle, a combined needle and fabric guide mounted above one of the wheels and comprising an elongated member having a needle receiving groove in its upper wall, the member at one side of the groove extending beyond the periphery of said one wheel on which the guide is mounted and being concave on its outer end for receiving and guiding a fabric fold and the end of the extended portion providing for contact therewith of a free edge of the fabric with such edge terminating above the member.

2,252,267

ILLUMINATING ATTACHMENT FOR LUBRICATING GUNS

Edwin G. Lofgren, Idaho Falls, Idaho

Application April 29, 1940, Serial No. 332,344
1 Claim. (Cl. 240—2)



In an illuminating device, a cylindrical-shaped casing including a fully open end and a wall closing the opposite end of said casing and provided with an aperture to admit into said casing an electric conductor of an electric circuit, said casing having another conductor of the circuit connected thereto, an electric conductive sleeve slidable in the casing to receive a base of an electric lamp, a flange at one end of the sleeve to form an abutment for the base of the lamp and to expose a contact of the lamp, an insulated disc slidable in the casing, a contact carried by the disc and connected to the first mentioned conductor, an expansion spring bearing against the end wall and the disc to bring said contacts in engagement, said casing having an internal annular groove, and a split annular ring fitted in the groove and engaged by the lamp to act as a stop for limiting the sliding movement of the lamp under the influence of the spring.

2,252,268

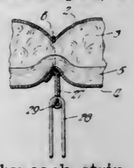
TRIPLE CUSHION MATTRESS

Max Marsack, Milwaukee, Wis., assignor to Marsack Patents Corporation, Milwaukee, Wis., a corporation of Delaware

Application July 8, 1938, Serial No. 218,079
2 Claims. (Cl. 5—351)

1. In a mattress of the kind described, a spring construction, unitary top and bottom cover pads comprising an inner sheet, an outer cover sheet

and padding interposed therebetween, a strip of material, folded back upon itself, extending across the inner face of each pad, a rod positioned in



the loop formed by each strip, and means passing around the respective rods and connecting said strips for drawing the same towards the spring construction.

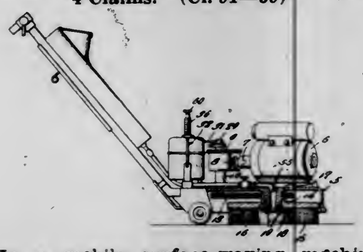
2,252,269

WAXING MACHINE

Curtis Young McQuown, Mattoon, Ill.

Application June 17, 1940, Serial No. 341,066

4 Claims. (Cl. 91—39)



1. In a mobile surface-waxing machine, a platform having a surface-engaging brush rotatably mounted thereunder, said platform and brush having means for the passage of wax therethrough onto the surface to be treated, and means for supplying wax to the surface including a receptacle for wax mounted on the platform, a follower having a sliding fit in said receptacle, and power means mounted on the platform and operatively connected with said brush and said follower for simultaneously driving the same whereby to revolve the brush at the same time the follower is being caused to move in a direction for forcing wax from said container.

2,252,270

PERFORATING DEVICE

Leonidas C. Miller, Dallas, Tex., assignor to American Oil Tool Company, Dallas, Tex., a corporation of Texas

Application November 5, 1938, Serial No. 239,015

19 Claims. (Cl. 164—0.5)



1. A perforating device for a well casing including, a housing adapted to be lowered into said casing on a flexible line, gun cartridges mounted in the casing and arranged to be electrically fired to perforate the casing, a source of electrical current supply within the housing, a timing mechanism within the housing and control means comprising a spring actuated member associated with a timing mechanism within the housing for controlling the flow of current from the source to the cartridges to fire the same.

2,252,271

PRODUCT AND PROCESS FOR PLUGGING FORMATIONS

Clyde H. Mathis, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application May 20, 1940, Serial No. 336,262

10 Claims. (Cl. 252—8.5)

1. A method of plugging formations in wells comprising introducing into the well a liquid composition which consists of a mixture of an ester of a dicarboxylic acid and a polyhydric alcohol and controlling the time of set of the liquid by the addition of a benzoyl peroxide catalyst to the liquid composition.

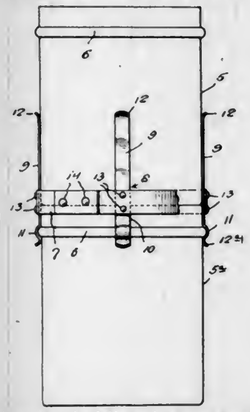
2,252,272

ICE CREAM CAN HOLDER

Homer N. Otto, Rialto, Calif.

Application May 28, 1940, Serial No. 337,707

2 Claims. (Cl. 220—97)



1. A device for holding ice cream cans in superimposed relation and against ready relative turning, comprising a band of a size to snugly encircle adjacent ends of the cans, and vertical strips rigidly secured to the band at regular intervals and having upper and lower end portions tensioned to spring inwardly and frictionally engage the respective cans, said strips having relatively short lower end portions curved outwardly to snap over an exterior annular bead provided on and near the top of the lower can, the upper end portions of said strips being relatively longer, the end portions of the strips being tensioned to spring inwardly and frictionally engage the respective cans.

2,252,273

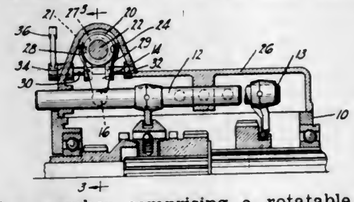
TRANSMISSION CONTROL MECHANISM

Harold W. Price and Earl R. Price, South Bend, Ind.

Application February 9, 1939, Serial No. 255,379

1 Claim. (Cl. 74—473)

In combination with a pair of shift rails for actuating a mechanism to establish four different gear ratios in a transmission, of means for selecting one or the other of said rails to be moved and then bodily moving the selected rail either forwardly or backwardly to establish the transmission in gear, said means comprising a shift rail operating shaft, a circumferentially grooved selector member mounted on said shaft and movable in one manner to bring a portion of said selector member into contact with one or the other of said shift rails and in another manner to effect a movement of the selected shift rail, lever means cooperating with said



selector member comprising a rotatable shaft journaled in opposite sides of the casing of the transmission and having the greater part of its length extending into the casing and a lesser part extending outside the casing, a crank connected to said last named part, a pair of lever arms connected with said first named part within the casing, pins formed on said arms and operable within the groove of said selector member for moving the latter upon movement of said crank, and a crank secured to the shift rail operating shaft and serving when rotated to rotate said shaft to establish the transmission in gear.

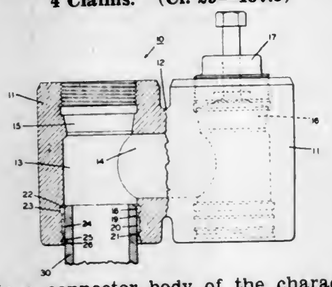
2,252,274

TUBE CONNECTING DEVICE AND METHOD

David B. Rossheim and Arthur R. C. Markl, Teaneck, N. J., assignors to The M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

Application September 7, 1938, Serial No. 228,758

4 Claims. (Cl. 29—157.5)



1. In a connector body of the character described having a hole therein into which the end of a conduit is adapted to be expanded, a joint serration in the walls of said hole and concentric therewith, said serration including a flare groove at the end thereof furthest removed from the mouth of said hole, a land terminating said flare groove, a second land, a main groove between said lands, said lands having tube contacting surfaces of substantially equal diameter, said main groove having straight sides disposed normal to the axis of said hole and an arcuate floor of lesser diameter in the region of its middle portion than at its ends, the walls of said hole between said second land and the mouth being of greater diameter than said second land whereby tube metal does not substantially contact therewith after expansion and the body metal between said second land and said mouth serves to reenforce the body metal around the serration during expansion of the tube end.

2,252,275

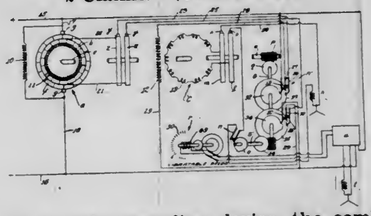
ECHO SOUNDING INSTALLATION

Donald Orr Sproule, London, England, assignor of one-third to Arthur Joseph Hughes, Essex, England, and one-third to Henry Hughes & Son Limited, London, England, a British limited liability company

Application March 21, 1939, Serial No. 263,152

In Great Britain March 16, 1938

2 Claims. (Cl. 177—386)



1. In an echo sounding device, the combination of a frame, an electric motor on said frame having a shunt-connected field winding and an armature, a shaft supporting said armature, slip rings on said shaft connected to opposite points of the armature winding, a generator for generating electrical impulses in spaced time relationship having a field winding, brushes connecting the ends of said field winding with said slip rings, a switch actuated by said shaft for intermittently interrupting the connection between said brushes and said field winding, a drive coupling between said armature shaft and said generator, a second shaft mounted in said frame, reduction gearing interposed between said second shaft and said armature shaft for rotating said second shaft at a predetermined speed, second switching means actuated by said second shaft for connecting said generator and a wave impulse transmitter as said electrical impulses are being generated and disconnecting said transmitter and said generator during the intervals between energization of said transmitter, an echo impulse receiver, and an indicator controlled by said motor and said echo impulse receiver for indicating the reception of an echo impulse by said receiver.

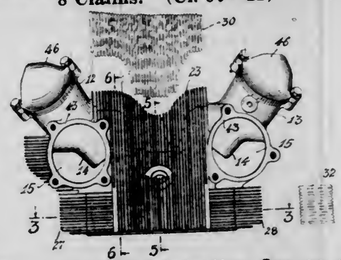
2,252,276

AIR-COOLED CYLINDER HEAD

Edward C. Steiner, Hawthorne, and Henry C. Hill, Montclair, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York

Application June 10, 1939, Serial No. 278,416

8 Claims. (Cl. 90—11)



1. The method of fabricating fins on a solid metal cylinder head blank which comprises plunging ganged milling cutters in and out of the

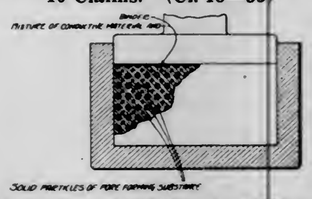
blank each on a substantially straight path of travel normal to the blank surface, and from a plurality of stations spaced around the head blank, the successive cuts of the cutter gangs being alined with one another to form fins continuous between one cut and the next, the roots of said fins being characterized by a scalloped profile due to successive cutter plunges.

2,252,277

MOLDED POROUS ELECTRICAL BRUSH AND THE LIKE

James R. Tate, Toronto, Ontario, Canada, and Ralph L. Henry, Detroit, Mich.

Application April 20, 1939, Serial No. 268,940
10 Claims. (Cl. 18—55)



1. The process of making an electrical brush or the like having a porous body of low density which consists in forming a molding mixture by intermingling with a base mixture, comprising conductive material and a suitable binder, solid particles of a pore forming substance of a character adapted to break down under heat with resultant mass reduction and conversion into a residue deposit having auxiliary binding effect upon the molded mixture; compressing the molding mixture to a desired body form; and then subjecting the molded body to increasing heat sufficient to first break down evacuate a substantial portion of the pore forming substance to thereby leave voids dispersed throughout the molded body mass and to deposit the residue of said pore forming substance upon the walls of said voids, and then to convert said residue into a hardened coating adherent to the void wall surfaces.

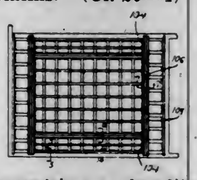
10. A porous electrically conductive body of low density, comprising a molded and baked mixture consisting of an electrically conductive material and a binder, and provided with interspersed voids, the walls of which are coated with a hard adherent deposit of boron oxide left thereupon by evacuation during the baking procedure of an initially intermingled proportion of boric acid.

2,252,278

CEILING CONSTRUCTION

Francis Vaux Wilson, Jr., Morrisville, Pa., and John W. Germond, Trenton, N. J., assignors to Homasote Company, Incorporated, Fernwood, N. J., a corporation of New Jersey

Application September 20, 1939, Serial No. 295,732
4 Claims. (Cl. 20—4)



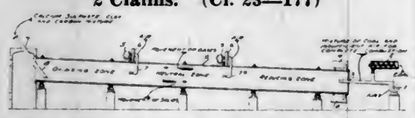
1. A ceiling comprising a plurality of complementary sections each of which comprises a plurality of parallel joists having strips extending transversely thereof and ceiling forming material secured to said strips, said units being arranged so that one unit is surrounded by other units, means between the joists and ceiling forming material of the central section serving to space said material from the joists thereof a distance exceeding the thickness of the strips of the surrounding sections whereby the ceiling forming material of adjacent sections are located in different but parallel planes and molding covering the joint between said sections.

2,252,279

MANUFACTURE OF SULPHUR DIOXIDE AND PORTLAND CEMENT FROM CALCIUM SULPHATE AND THE USUAL ADDITIONS CONTAINING ALUMINUM SILICATE

Hans Zirngibl and Heinrich Zur Strassen, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

Application June 14, 1939, Serial No. 279,042
In Germany July 6, 1938
2 Claims. (Cl. 23—177)



1. The manufacture of sulphur dioxide and Portland cement from a mixture of calcium sulphate and the usual additions containing aluminum silicate which comprises reducing the mixture in an internally heated furnace in two stages before the sintering operation, the main reaction in the middle zone of the furnace which immediately follows the preheating zone being performed with a quantity of coal smaller than the amount theoretically required for the formation of SO_2 and the final reduction in the end zone of the furnace being solely performed with a gaseous reducing agent.

2,252,280

DECOMPOSITION OF WATER-INSOLUBLE PHOSPHATES

Otto Balz, Ludwigshafen-on-the-Rhine, Heinrich Hamacher, Frankenthal, and Wilhelm Wagner, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Walter H. Duisberg, New York, N. Y.

No Drawing. Application June 11, 1938, Serial No. 213,186. In Germany June 26, 1937
1 Claim. (Cl. 23—102)

In the process of decomposing water-insoluble phosphates with nitric acid in an amount at least sufficient to convert all the phosphates into calcium nitrate and phosphoric acid, the improvement which comprises maintaining a temperature not exceeding 25° C. during the decomposition and effecting the decomposition with nitric acid of from 55 to 65 per cent, the temperatures and concentrations being so correlated as to obtain substantial crystallization of the calcium nitrate not later than the completion of the decomposition and at the reaction temperature and separating the crystallized calcium nitrate from the phosphoric acid-containing reaction liquid.

2,252,281

PROCESS OF DECOMPOSING WATER-INSOLUBLE PHOSPHATES

Otto Balz, Ludwigshafen-on-the-Rhine, and Heinrich Hamacher, Frankenthal, Germany, assignors, by mesne assignments, to Walter H. Duisberg, New York, N. Y.

No Drawing. Application April 4, 1939, Serial No. 265,934. In Germany April 7, 1938
1 Claim. (Cl. 23—102)

In the process of decomposing water-insoluble

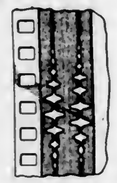
phosphates with nitric acid in an amount at least sufficient to convert all the phosphates into calcium nitrate and phosphoric acid, in which process a temperature not exceeding 25° C. is maintained during the decomposition and the decomposition is effected with nitric acid of from 55 to 65%, the temperatures and concentrations being so correlated as to obtain substantial crystallization of the calcium nitrate not later than the completion of the decomposition and at the reaction temperature, and the crystallized calcium nitrate is separated from the phosphoric acid containing reaction liquid, the improvement which comprises adding at any stage of the reaction at least one of the compounds ammonium nitrate and potassium nitrate in an amount sufficient for the formation of at least one of the known double salts calcium-ammonium nitrate and calcium-potassium nitrate, the crystallization of the calcium nitrate thus taking place in the form of at least one of the said double salts.

2,252,282

SOUND FILM REPRODUCING SYSTEM

Arthur C. Blaney, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application April 22, 1940, Serial No. 330,813
8 Claims. (Cl. 179—100.3)



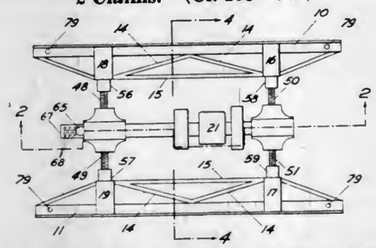
1. The method of reproducing a push-pull sound record comprising illuminating said record with a narrow beam of light positioned at an angle of substantially 30° to a line normal to the direction of movement of said record, and impressing the light emerging from said record on a photoelectric cell.

2,252,283

BOX SQUEEZE

Arthur H. Brase, Orange, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

Application June 29, 1940, Serial No. 343,240
2 Claims. (Cl. 105—369)



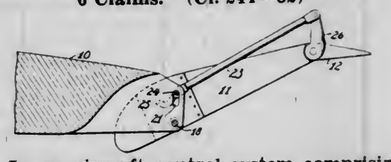
1. A device for tightening loads in box cars comprising pairs of parallel pressure bars positioned in opposed relationship, the bars of said pairs of parallel pressure bars being maintained in parallel relationship by supporting members, a reversible motor positioned between the pairs of parallel pressure bars, said reversible motor operating in conjunction with means for positively maintaining the parallelism of said pairs of pressure bars and for providing compensated application of force within said device in the operation thereof, said means comprising a transmission from which power is transmitted by oppositely operating driving mechanism to oppositely rotating drive shafts, said drive shafts terminating in pinion gears each operating in connection with a ring gear, each ring gear being attached to an axle centrally of said axle, each axle having oppositely threaded jack screw end portions, said axles operating in threaded channels attached to supporting members for the pressure bars, whereby the pairs of parallel pressure bars may be moved away from or toward each other.

2,252,284

CONTROL SURFACE TAB MECHANISM

Edward R. Child, Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application April 6, 1940, Serial No. 328,281
6 Claims. (Cl. 244—82)



1. In an aircraft control system comprising a support, a controllably movable airfoil hinged thereto and a trim tab hinged to the airfoil rearward of the airfoil hinge; operating mechanism for the tab comprising cams on the support and airfoil, a cam follower constrained to follow both cams during movement of the airfoil relative to the support, and an operating connection from said cam follower to said trim tab.

2,252,285

SOUNDPROOF WALL STRUCTURE

William Eglinton, Reseda, and Harry Gail Cunningham, Los Angeles, Calif., assignors to Radio Corporation of America, a corporation of Delaware

Original application March 31, 1936, Serial No. 71,864. Divided and this application August 2, 1938, Serial No. 222,628
4 Claims. (Cl. 154—45.9)



1. In a sound-proof structure, a supporting frame comprising a wire-mesh skeleton, sound-absorbing material in the interstices of said wire-mesh, a layer of rubber and an adjacent inner layer of felt on one side of said frame, a plurality of alternate layers of felt and rubber on the other side of said frame, and an external layer of leatherette covered by a coating of lacquer.

2,252,286

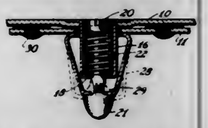
COWL FASTENER

Charles E. Hathorn, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application September 14, 1939, Serial No. 294,817
2 Claims. (Cl. 24—221)

1. In a fastening assembly, an inner plate having an opening, inwardly projecting oblique spring prongs extending from the plate, the innermost ends thereof being bent toward the

opening axis and to a position substantially parallel with the plate; an outer plate overlying the inner plate having an inwardly projecting open end cup passing through the inner plate opening, a mandrel passing through and axially movable and rotatable relative to the cup, provided with turning and pressing means at its outer end and provided with an enlarged tapered inner head end adapted, when pressed inwardly, to pass between the prong ends, said mandrel head at a short distance from the inner mandrel end having opposed notches formed therein, the notch sur-



faces adjacent the inner mandrel end being plane and substantially parallel to the inner plate and the notch surfaces toward the outer mandrel end being sloped, said notches being engageable by the prong inner ends to prevent withdrawal of the mandrel therefrom, and a spring embracing the mandrel disposed within said cup, one spring end bearing on the cup inner end and the other spring end bearing on the outer mandrel end, said enlarged inner end of the mandrel being engageable with the inner cup end to prevent withdrawal of the mandrel through the cup.

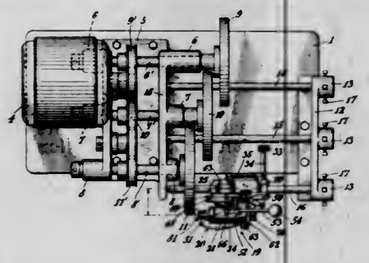
2,252,287

SURFACE PROCESSING DEVICE

Louis Helfgott, Bronx, N. Y.

Application April 23, 1940, Serial No. 331,089

18 Claims. (Cl. 51—124)



1. In a gang abrading, lapping and polishing device, a series of driven abrading elements, work-rest guiding and supporting means for each of said elements, a work-rest bodily placed upon and adapted to be held against, and being swingable about any one of said supporting means, and being bodily movable thereupon against or away from the respective abrading elements, said work-rest having a relatively stationary, substantially horizontal base and a corresponding frame, pivotally joined with and adjustable angularly in a substantially horizontal plane relative to the base, said frame having an upright, a tool-holder supported thereby, the longitudinal center axis of the latter being disposed in a vertical plane materially distanced from the vertical center axis passing through the pivotal point of the frame, a collet chuck rotatably lodged in said tool-holder and provided with a peripheral calibration, a fixed indicator for the calibration secured to the tool-holder, a collet longitudinally movable in said chuck, guide means provided in said chuck and with said collet for preventing rotary movement of the latter relative to the chuck, a work-supporting tool longitudinally adjustable in respect to and held within said collet, guide means provided in said collet and with said tool for preventing the latter from turning in said collet, and stop means on said tool for limiting its longitudinal inward movement in respect to said collet.

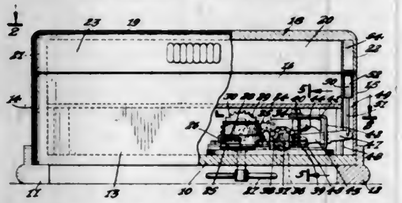
2,252,288

MAGNETICALLY OPERATED SWITCH

Rudolf K. Kind, Garden City, N. Y.

Application October 4, 1940, Serial No. 359,715

4 Claims. (Cl. 84—94)



1. In a switch for actuating a driving mechanism, a switch member locking and releasing said driving mechanism, said switch member being movable by gravity from a locking position to a releasing position and being adapted to be raised from the releasing position to the locking position, a magnetisable member carried by said switch member, a magnet, and means connected with said magnet for moving the same close to said magnetisable member, whereby said magnetisable member is magnetised and is raised by the force of attraction of said magnet along with said switch member from the releasing position to the locking position.

2,252,289

CONTAINER WITH MUSIC WORKS

Rudolf K. Kind, Garden City, and Robert H. Konikoff, Jackson Heights, N. Y.; said Konikoff assignor to said Kind

Application October 4, 1940, Serial No. 359,716

7 Claims. (Cl. 84—94)



1. A drive control for music works, comprising a rotary fly wheel, driving means operatively connected with the music works and said fly wheel, a locking element adapted to be situated within the path of rotation of said fly wheel to lock said driving means and said fly wheel, and means suspending said element and enabling it to swing by gravity out of said path of rotation when the music works are inclined, thereby releasing said driving means and said fly wheel.

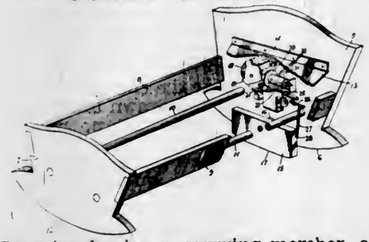
2,252,290

TOY

Robert H. Konikoff, Jackson Heights, N. Y., assignor, by mesne assignments, to Rudolf K. Kind, Garden City, N. Y.

Application June 20, 1940, Serial No. 341,407

4 Claims. (Cl. 46—175)



1. In a toy having a carrying member, a supporting element, a driving member, means pivotally connecting said driving member with said supporting element, a crank shaft having a crank connected with said driving member, a gear drive rotating said crank shaft, and means actuating said gear drive and carried by said carrying member.

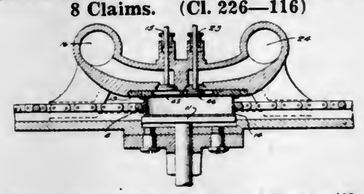
2,252,291

AUTOMATIC APPARATUS FOR FILLING CANS BY VACUUM

Francisco Paulo dos Santos Mendonça and Antonio Machado Pinto, Lisbon, Portugal

Application October 15, 1938, Serial No. 235,260

8 Claims. (Cl. 226—116)



1. Automatic apparatus for filling with liquid the voids in containers into which solid products have previously been introduced comprising a closing plate, resilient means for pressing the open end of the container against said plate, there being two orifices in said plate, a valve controlling each orifice, a low pressure distributor connected to one of said valve controlled orifices, a liquid distributor connected to the other of said valve controlled orifices, means for actuating the valves for opening and closing said valves alternately, and means controlled by the resilient means for normally pressing the container against the closing plate for preventing actuation of the valve connected with the low pressure distributor when no container is in position to be filled.

2,252,292

MOLD RING AND PLUNGER

Louis Poglein, Jeannette, Pa., assignor to McKee Glass Company, Jeannette, Pa., a corporation of Pennsylvania

Application March 10, 1939, Serial No. 260,980

1 Claim. (Cl. 49—72)



A mold for forming glassware comprising a mold ring and plunger having coacting cylindrical walls of substantial length constituting guiding and wearing surfaces and having their lower ends tapered radially inward to prevent contact during travel of the plunger and to form a seal only at the lower extremity of the plunger travel, said ring and plunger constituting a continuous matrix surface at their lower ends when in their sealed position.

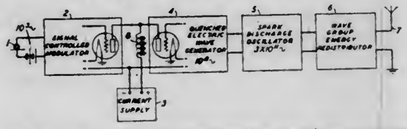
2,252,293

MODULATION SYSTEM

Russell S. Ohl, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 14, 1939, Serial No. 279,064

10 Claims. (Cl. 179—171.5)



1. A short wave transmission system comprising an electric wave generator, means for periodically quenching the waves produced thereby at a supra-audible frequency, means for modulating the waves in accordance with control energy, a discharge gap, and means for impressing the modulated waves across the gap, the breakdown voltage of the gap lying intermediate the maximum and minimum peak voltages of the impressed modulated waves whereby the number of discharges across the gap varies in accordance with the modulation of the modulated waves.

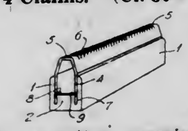
2,252,294

SHEARING HEAD FOR DRY SHAVERS

Joseph Ormond, Newark, N. J., assignor to Schick Incorporated, a corporation of Delaware

Application May 17, 1940, Serial No. 335,675

4 Claims. (Cl. 30—43)



1. A dry shaver cutter comprising a sheet metal base member having side walls bent up to form a channel and also having portions bent up between and in planes substantially at right angles to the channel walls, said portions being of a width to leave slots between their edges and the inner faces of the side walls, and a sheet metal shear-plate member having side walls set in said slots.

2,252,295

INDICATING MECHANISM

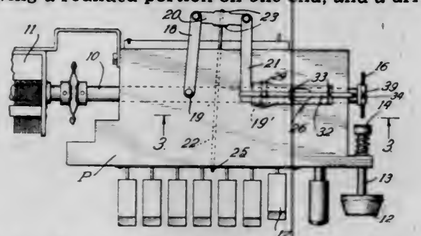
Alexander W. Plensler, Chicago, Ill., assignor to Belmont Radio Corporation, a corporation of Illinois

Application December 14, 1939, Serial No. 309,279

10 Claims. (Cl. 116—124.1)

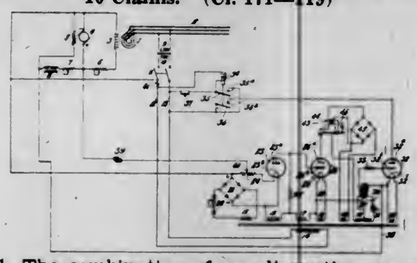
1. Radio indicating mechanism for operative connection with a rotary tuning shaft and acting with a radio dial scale to indicate the angular position of said shaft, including in combination mounting means at right angles to said dial scale, an indicator for moving over said dial scale, and means for operatively connecting said indicator and said tuning shaft, including a link pivotally mounted on said mounting means, link means pivotally connected to said link and carry-

ing said indicator thereon, an apertured carriage pivotally connected to said link means, a rod slidably carried in the apertures of said carriage for longitudinal movement relative to said carriage, having a rounded portion on one end, and a driv-



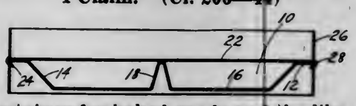
ing arm for operative connection with said shaft at right angles thereto, with said driving arm having a socket portion thereon for receiving the rounded portion of said rod to provide a universal connection between said rod and arm.

2,252,296
REGULATING APPARATUS FOR DYNAMO-ELECTRIC MACHINES
Frank G. Logan, North Pelham, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application March 12, 1938, Serial No. 195,467
10 Claims. (Cl. 171—119)



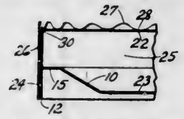
1. The combination of an alternating current dynamo-electric machine having a field winding, a direct current exciter for supplying said field winding, said exciter having a shunt field winding in circuit with the armature of the exciter, an inductive reactor in series in the circuit of said shunt field winding, and an automatic regulator comprising a half-wave arc-conduction rectifier deriving its energy from said machine and responsive to change of the voltage of said machine for supplying an intermittent current to said shunt field winding and connected to a point in the connection between said shunt field winding and said reactor.

2,252,297
CONTAINER FOR BAKED GOODS AND THE LIKE
Aimwell G. MacIntyre, Franklin, Ohio, assignor to Jay M. Leach, Dayton, Ohio
Application December 2, 1938, Serial No. 243,602
1 Claim. (Cl. 206—44)



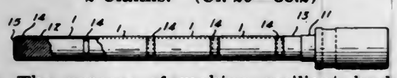
A container for baked goods and the like, comprising, in combination, a pan in which the goods is baked made of fibrous sheet stock adapted to char slightly and become breakable after subjection to the baking temperature and having a rim, sloping sides and a bottom formed upwardly in inverted V shape to provide partitions level with said rim, the tops of the partitions and the rim being perforated, whereby the pan may be more readily broken apart midway of the partitions after it is so charred, a disc like cover formed downwardly around the outer edge of the rim and a supporting band having a bead on the outer side and a corresponding groove on its inner side to receive the outer edge of the rim and downturned portion of the cover and having interlocking notches near the ends of the band positioned to hold the band drawn taut around the rim and cover, said interlocking notches extending at right angles from an edge to the middle of said bead, the notch at one end being in the edge opposite to the notch on the other end.

2,252,298
FOOD PACKAGE
Aimwell G. MacIntyre, Franklin, Ohio, assignor to Jay M. Leach, Dayton, Ohio
Application December 2, 1938, Serial No. 243,603
2 Claims. (Cl. 206—44)



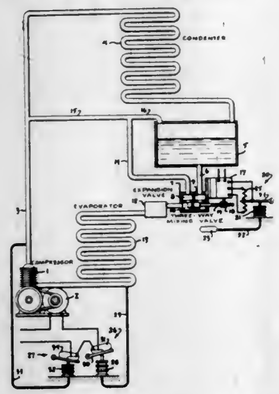
1. A food display package comprising, an inner supporting band, a pan supported intermediate the top and bottom edges of said band, a transparent cover disc resting on the top edge of said band, its outer edge formed cylindrically around the outside of said band, an outer band having a width exceeding the inner band surrounding said cylindrically formed portion closely and having its excess width extending vertically above said cover and provided with a series of ventilating inflections in the upper edge of the extending portion, whereby a rigid support is provided for stacking a plurality of the packages and ventilation is maintained for the under packages.

2,252,299
METHOD OF MAKING BUSHINGS
William C. McCoy, Shaker Heights, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 14, 1938, Serial No. 213,657
2 Claims. (Cl. 29—88.2)



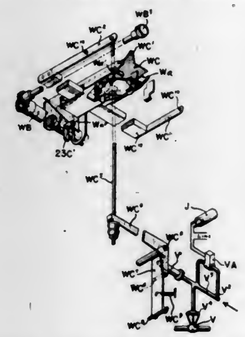
1. The process of making resilient bushings which comprises placing upon a mandrel a plurality of metal sleeves with spacer rings between them, inserting an end of the mandrel into the open end of an elongated cup-shaped tubular elastic rubber member, engaging the inserted end of the mandrel with the closed end of the tube and exerting a pull on the open end of the tubular rubber member to stretch said member over the sleeves on said mandrel, slipping outer sleeves which have an internal diameter slightly greater than the external diameter of the stretched rubber member over the closed end of the rubber member on the mandrel and positioning the outer sleeves over the inner sleeves, and severing the portions of the tubular rubber member interposed between inner and outer sleeves, whereby the severed tubes of rubber contract axially and expand radially within the annular spaces between the inner and outer sleeves.

2,252,300
REFRIGERATION SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 7, 1938, Serial No. 206,609
8 Claims. (Cl. 62—3)



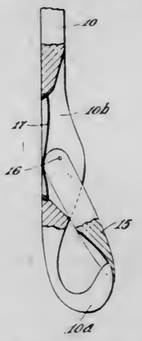
4. In a refrigeration system having an evaporator, a receiver for liquid refrigerant, a source of fluid having characteristics differing from said liquid refrigerant, means for passing said liquid refrigerant into said evaporator, means including valve means for adding said fluid to said liquid refrigerant being passed to said evaporator and for controlling the proportions of the fluid and said liquid refrigerant being passed into said evaporator, and means responsive to the load on said evaporator for controlling said last mentioned means.

2,252,301
CONTROL SWITCH MEANS
Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 22, 1937, Serial No. 144,320
13 Claims. (Cl. 236—1)



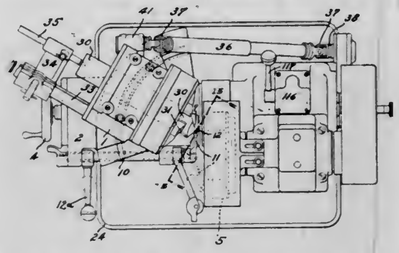
11. Control apparatus including a condition responsive device, a movable exhibiting carriage, a rotatable shaft adapted to deflect said carriage along a scale under control of said device, a nozzle supplied with air under pressure, a cooperating valve member governing said pressure, a control motor responsive to said pressure, a cam operated by said carriage to adjust said member, a rotary element carrying a mercury switch, safety means operated by said switch to control said condition, and means interposed between said shaft and element to operate the latter on movement of said carriage through a predetermined small portion of its range of deflection.

2,252,302
KNITTING NEEDLE
Franklin J. Morith, Batavia, N. Y.
Application December 10, 1937, Serial No. 179,140
4 Claims. (Cl. 66—117)



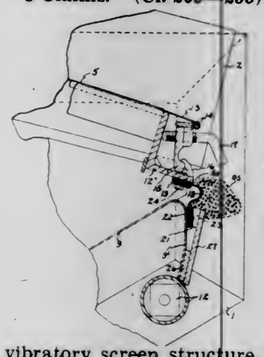
2. A hosiery mender comprising a needle having its lower end terminate in a hook portion having a pivoted latch and means for automatically returning the latch from any position to open position relative to the hook, said latch-returning means including a true spiral cam near the pivot-point of the latch, and a spring in constant contact with the cam surface from open to closed position, whereby the latch is held in constant spring control.

2,252,303
DRILL GRINDER
Edd C. Oliver, Adrian, Mich.
Application March 7, 1939, Serial No. 260,344
5 Claims. (Cl. 51—55)



5. In a machine for grinding drill, a rotatable holder for the drill, a grinding wheel for grinding the same, a shaft for the grinding wheel, a rotatable holder for the grinding wheel shaft, means for simultaneously rotating the holder for the drill and holder for the grinding wheel shaft in timed relationship, a cam rotatable by the holder for the grinding wheel shaft arranged to reciprocate the said last named holder to cause the grinding wheel to feed into the work and to retract therefrom as the successive lands of the drill are brought to grinding position, and means for varying the throw of the cam to thereby increase or decrease the extent of feed of the grinding wheel toward the drill.

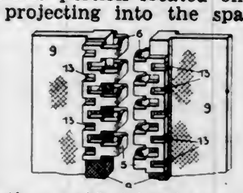
2,252,304
VIBRATING SCREEN
Gustave A. Overstrom and George Overstrom, Eagle Rock, and Conrad Overstrom, Pasadena, Calif.
Application January 6, 1939, Serial No. 249,548
3 Claims. (Cl. 209—255)



3. In a vibratory screen structure of the type described, the combination which comprises a longitudinally extending screen box mounted for vibratory movement in a closed curved path in a vertical plane and provided with a screen cloth and having a delivery end at which over-size material is discharged therefrom, said vibratory movement being such that said delivery end moves downward and backward at the lower portion of its stroke, a trough disposed under the screen box to receive under-size material passing through the screen cloth and having a front wall whose upper edge is spaced from and below said delivery end of the screen box, a strip of flexible material extending across the space between said delivery end of the screen box and said upper edge of the front wall, means detachably securing said strip along one edge to the screen box, a plurality of arms secured to and spaced from said front wall, a pair of reinforcing bars extending along the opposite edge of said strip on the inner and outer faces thereof and rigidly secured together to hold the strip therebetween, and a plurality of upwardly projecting wedge shaped blocks secured to the outer edge of said bars, said blocks tapering towards the adjacent edge of the strip and being driven into the spaces between the respective arms and said front wall, whereby said flexible strip is held in position to close the space between the delivery end of the screen box and the upper edge of the trough portion and prevent discharged oversize material from being scraped by said delivery end in its downward and backward movement back through said space and into said trough.

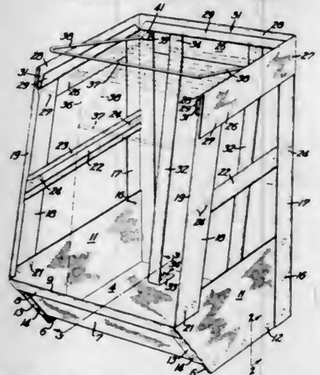
2,252,305
SEPARABLE FASTENER
Julius Püschner and Josef Püschner, Tyssa, near Bodenbach, Germany
Original application January 28, 1938, Serial No. 187,396. Divided and this application January 6, 1939, Serial No. 249,550. In Czechoslovakia February 2, 1937
22 Claims. (Cl. 24—205)

1. As a new article of manufacture an intermediate product suitable for use in the manufacture of sliding clasp series of interlocking fasteners comprising a plurality of sections laterally connected together in spaced relationship and in ladder-like formation, each section having the form of a substantially rectangular strip and being made of thin sheet plastic material, and a nose-like portion located on one of its edges and projecting into the space between



adjacent sections, said strips, lateral connections and nose-like portions all lying in the same general surface.

2,252,306
BOOKRACK
Anthony Raucci, Pittsburg, Calif., assignor to The Interlocking Metal Displays Company, Pittsburg, Calif.
Application April 30, 1940, Serial No. 332,515
4 Claims. (Cl. 211—42)

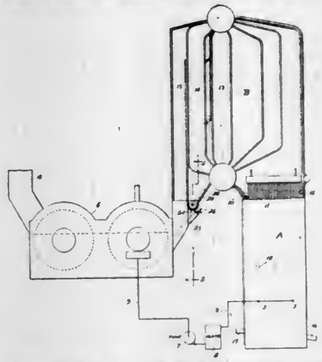


1. A rack of the character described comprising a sheet metal base, on which a stack of objects may be placed, having along its side and rear edges a downturned marginal flange and along its front edge an upturned angularly inclined apron, side plates secured to said marginal flanges of the sides of said base and each having thereon an end tab secured to said apron, corner posts secured to and rising from said side plates, a sheet metal member secured to the upper ends of the respective corner posts, and said sheet metal member having a portion thereof formed to provide a trough bordering the sides and rear of the rack, said trough being vertically alined with the marginal flanges of said base.

2,252,307
DUST RECOVERY APPARATUS FOR CHEMICAL AND WASTE HEAT RECOVERY INSTALLATIONS
Fay Harry Rosencrants, Scarsdale, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application June 15, 1939, Serial No. 279,278
5 Claims. (Cl. 23—262)

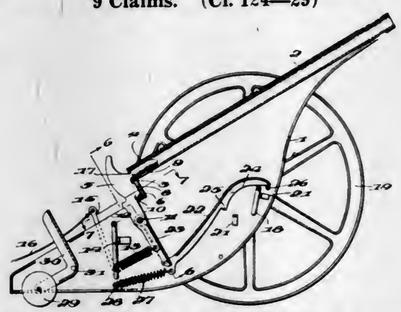
1. In dust recovery apparatus for chemical and waste heat recovery installations having a recovery furnace, a boiler and heat recovery unit providing a plurality of passes for the passage of combustion gases, an evaporator for increasing the density of black liquor to a value above the normal density thereof, and means for feeding high density black liquor from said evaporator into said furnace, the combination of a dust collecting hopper connected to one of the said passes, a pipe for delivering dust from said hopper to said

evaporator, said pipe being connected into said evaporator at a point below the level of the liquor in said evaporator, conveyor means between said hopper and delivery pipe for delivering dust from



the hopper into said delivery pipe, means for moving the dust through said delivery pipe to said evaporator, and a conduit connecting the final pass in the heat recovery unit to the evaporator.

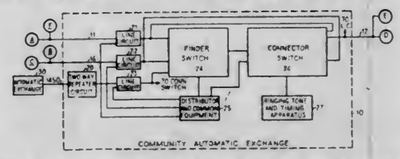
2,252,308
RECOILING TOY CANNON
Jess C. Sherrick, Canton, Ohio
Application April 13, 1939, Serial No. 267,700
9 Claims. (Cl. 124—29)



4. A toy comprising a body shaped to simulate a cannon, axle means extending transversely of said body, said axle having crank-shaped end and intermediate portions, supporting wheels rigidly secured to the ends of said axle means, floating hook means in registration with the crank-shaped intermediate portion of said axle means, spring means for moving said hook means when the latter is in engagement with said axle means, a hammer pivotally supported by said body, trip means for maintaining said hammer in a cocked position, and means for transmitting movement from said hammer to said hook means to cause one engagement of the latter with said axle means when said hammer is moved to a cocked position, said hook means imparting movement to said axle and wheels upon the actuation of said trip means to release said hammer.

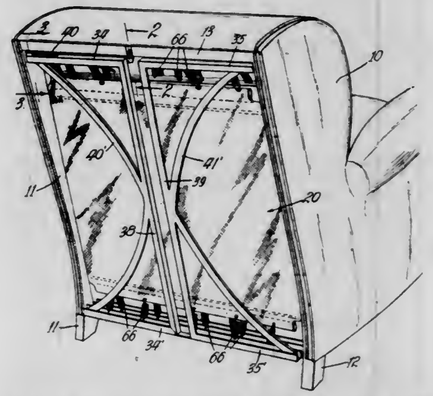
2,252,309
TELEPHONE SYSTEM
John H. Voss, Downers Grove, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 7, 1938, Serial No. 189,121
104 Claims. (Cl. 179—17)

1. In a telephone system, a group of lines, a switch having access to said lines and operative to select a line therefrom, a group of unit relays and a subgroup relay in said switch, each of said unit relays being operative to select either of two lines of said group depending upon the operated or non-operated condition of said subgroup relay,



means for causing the operation of said subgroup relay during the operation of said switch to select one of said group of lines, and means comprising said subgroup relay for causing the operation of the unit relay which is operative to select said one line.

2,252,310
COMBINATION CHAIR AND BED
Isador Waldman, Chicago, Ill.
Application February 12, 1940, Serial No. 318,476
1 Claim. (Cl. 155—45)

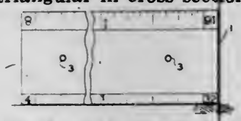


A foldable cot comprising a center section having side frame members of a T-section with flanges forming the top of the T and a web, end sections for said cot having frames with a similar cross section and foldable along transverse axes, the web of the frame lying in a horizontal plane when the cot is extended, the flanges of said first end section being offset from the flanges of said center section by a distance substantially equal to the thickness of said flange material, said first section being foldable first and immediately against said center section, said second end section having the flanges thereof in line with the flanges of said center section but adapted when folded to be in line with the flanges of said center section but spaced therefrom in edge to edge relation substantially whereby when said sections are folded the various T-sections of said frame-work nest together.

2,252,311
SCALE AND RULER
Charles Myron Ware, Salt Lake City, Utah
Application June 27, 1939, Serial No. 281,374
4 Claims. (Cl. 33—111)

1. A scale of the class described comprising, a body made of three like-formed sections of transparent material having their abutting edges

beveled to secure them together to form a scale which is triangular in cross section; and indicia



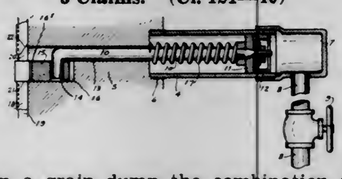
marked in the beveled edges to be visible through the sides of the body when secured together.

2,252,312

LOCKING DEVICE FOR GRAIN DUMP PISTON COLUMNS

August P. Winter, St. Vital, Manitoba, Canada. Original application May 10, 1938, Serial No. 207,024. Divided and this application December 12, 1938, Serial No. 245,336

3 Claims. (Cl. 121—40)



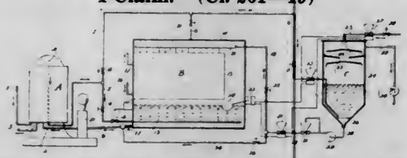
1. In a grain dump the combination with a cylinder, a piston column endwise slidable therewithin and a lengthwise extending key secured to the column and slidably received within a keyway associated with the cylinder, of a stop member associated with the cylinder and adapted to enter a notch provided in the key and prevent further rising movement of the column and valve controlled means operated by compressed air for projecting said member forcibly into contact with the key, said notch presenting a right angled shoulder at its under side and an overhanging sloping face thereabove.

2,252,313

DEAERATOR FOR CARBONATING SYSTEMS

Raymond N. Bostock, Upper Montclair, N. J. Application March 31, 1939, Serial No. 265,087

1 Claim. (Cl. 261—19)



In a carbonating system, a carbonator having a snift outlet, a cooler and a deaerating chamber having an inlet for water to be carbonated, means for reducing the pressure in the deareating chamber below atmospheric including a pump which alone is incapable of producing the required deaeration of the water, means for circulating water from the deaerating chamber through the cooler to the carbonator, and means for circulating waste carbon dioxide from the snift of the carbonator through the cooler to the deaerating chamber whereby there is a counterflow of gas and water in the system.

2,252,314

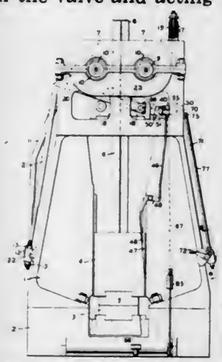
CONTROL VALVE FOR DROP HAMMERS

William W. Criley, Cleveland, Ohio

Application September 21, 1938, Serial No. 231,032

19 Claims. (Cl. 78—29)

16. In a friction lift drop hammer having friction means controlled by fluid to cause lifting of the hammer and a control valve for such fluid, manually operable means adjustable during continued operation of the hammer and connected to the valve and acting on the valve in a lowered position of the hammer to pre-set the point of operative engagement of the friction means with the hammer, a stroke length control mechanism capable of being operated by a treadle and connected with the valve and acting thereon to adjust the valve in a manner to vary, in relation to the raising of the hammer, the point of operative disengagement of the friction means with the hammer, and a valve control mechanism operated by the hammer on each stroke thereof, said valve control mechanism being connected to the valve and operating the same in a manner to cause repeated hammer strokes of such lengths as predetermined by the position of the stroke length control mechanism and said manually operable means.



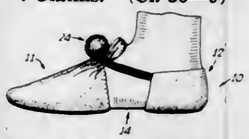
2,252,315

SCUFF

Silvia Dorée, New York, N. Y.

Application December 2, 1939, Serial No. 307,243

7 Claims. (Cl. 36—9)



1. A scuff comprising fore and rear foot engaging portions spaced from each other, and a stretchable section interconnecting said fore and rear portions, the fore portion including a vamp having its instep engaging portion gathered by an elastic thread.

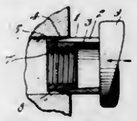
2,252,316

SCREW ANCHOR

Alfred W. Gelpcke, Brooklyn, N. Y., assignor to American Bolt Anchor Company, East Syracuse, N. Y.

Application April 19, 1940, Serial No. 330,501

7 Claims. (Cl. 85—2.4)



1. As an article of commerce, a screw anchor comprising a sleeve of tough resilient material

made of an alloy of zinc and aluminum and split longitudinally of its length and having a small internal taper from end to end, and a portion of the exterior surface tapered in reverse direction to the inner taper, a cone shaped threaded member having its taper closely approaching the inner taper of the sleeve and fitting within the double tapered end of the sleeve so one end is exposed beyond this end, the diameter of this exposed end of said member being smaller than the external diameter of the sleeve.

2,252,317

REFRACTORY BUILDING MATERIAL

Victor Moritz Goldschmidt, Holmenkollen per Oslo, Norway

No Drawing. Application February 10, 1937, Serial No. 125,141. In Austria February 20, 1936.

14 Claims. (Cl. 106—59)

1. Refractory comprising about 50 to about 80 per cent by weight of material of the group consisting of magnesium orthosilicate and materials rich in such silicate substantially wholly in the form of granules of at least about 0.2 mm. size, and about 20 to about 50 per cent by weight of refractory material other than said silicate in the form of particles less than about 0.2 mm. size and containing not over about 25 per cent of said orthosilicate and materials productive of it, the refractory being characterized by high resistance to spalling and to load at high temperatures in the fired or burned condition.

2,252,318

RUBBER COMPOUNDING AND VULCANIZATION AND RESULTING VULCANIZATES

James H. Gravell, Elkins Park, Pa.; E. Hoy Rishel, executor of James H. Gravell, deceased, assignor to American Chemical Paint Company, a corporation of Delaware

No Drawing. Application January 21, 1937, Serial No. 121,566

13 Claims. (Cl. 260—779)

1. A rubber-sulphur composition for use in producing vulcanized rubber articles, said composition containing a compound of trivalent arsenic chosen from the class consisting of arsenious oxide, sodium arsenite, zinc arsenite, aniline arsenite and arsenious bromide, and a zinc compound chosen from the class consisting of zinc oxide and zinc stearate.

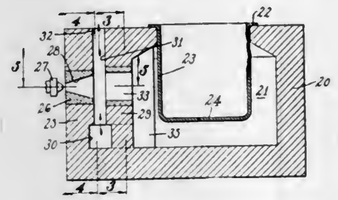
2,252,319

INDUSTRIAL FURNACE

Artemas F. Holden, Northford, Conn.

Application February 6, 1940, Serial No. 317,539

23 Claims. (Cl. 263—14)



1. The method of firing a furnace, which comprises creating a heating flame, venting the gases after their heat has been utilized, and directing the venting gases in a body against and across the flame.

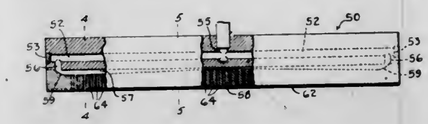
2,252,320

MULTIJET TORCH CONSTRUCTION

Howard G. Hughey, Bloomfield, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application February 18, 1939, Serial No. 257,070

6 Claims. (Cl. 158—27.4)



1. In a heating torch comprising an elongated block tip in which is a recess open along a side extending lengthwise of the block, a cover member closing the open side of said recess and forming with said recess a gas distributing chamber, a plurality of jet passages opening into said chamber at spaced points along its length and through which gas from said chamber is discharged through orifices in the face of the tip, and a gas inlet passage opening into the distributing chamber, said cover member having a portion of varying thickness along its length located along a side of the chamber and reducing the open cross-section of the chamber progressively along the length of said chamber as the chamber extends away from the inlet passage.

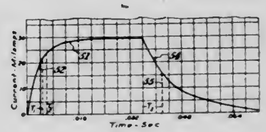
2,252,321

APPARATUS FOR COMPENSATING THE OPERATING TIME OF ELECTRICAL DEVICES

Edward L. Keller, Pittsburgh, Pa.

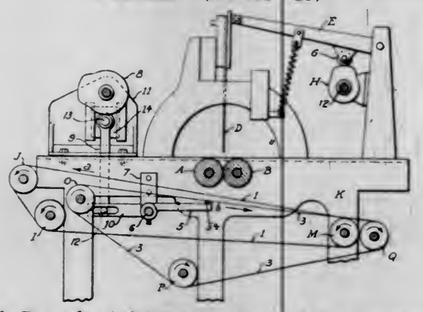
Application November 8, 1938, Serial No. 239,442

2 Claims. (Cl. 175—335)



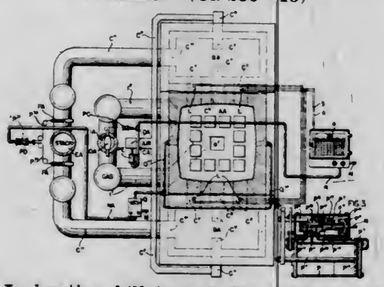
1. A system for compensating an electromagnetic timer including a coil, an armature, rotating parts controlled thereby and a restoring spring, to eliminate the error introduced by the time required for the current in the coil to build up to the operating value, and also the additional time required for operation of the armature and acceleration of the rotating parts, said system comprising an energizing circuit in which said coil is adapted to be connected, a resistor in said circuit which, with the resistance and inductance of the coil provides a ratio of overall circuit inductance to overall circuit resistance such that the time required for the current to build up in said coil to the value necessary to actuate the armature is less than the time required for the current in said coil to decrease on de-energization of the coil, to a value at which the armature is retracted, by an amount substantially equal to the difference between the accelerating and decelerating times of the said moving parts, means for deenergizing said coil, means for adjusting the armature to vary the value of the current in said circuit at which the armature operates, and means for adjusting the restoring spring to vary both the value of current in said circuit at which the armature is retracted and the value of current necessary to actuate the armature.

2,252,322
ALTERNATOR FOR PAPER-FOLDING MACHINES
Cecil Ivan Knapp, Camas, Wash.
Application November 30, 1940, Serial No. 368,005
9 Claims. (Cl. 270—85)



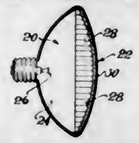
1. In a sheet-folding machine of the character described, the combination with a sheet-stacking conveyor, comprising a plurality of spaced endless traveling tapes on which the folded sheets are dropped and carried to a stacking pile, of a vertically-adjustable auxiliary conveyor comprising a plurality of endless traveling tapes running in the direction opposite to, and arranged to be raised above or dropped below the tapes of the sheet-stacking conveyor, and means alternately positioning the tapes of the auxiliary conveyor above and below the tape of the sheet-stacking conveyor, such means timed to cause folded sheets to be received alternately by said auxiliary conveyor and their folds turned in the direction of travel of said auxiliary conveyor, and then deposited on the tapes of the sheet-stacking conveyor for delivery to the stacking pile.

2,252,323
CONTROL SYSTEM
Anker E. Krogh, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 9, 1937, Serial No. 129,857
3 Claims. (Cl. 236—15)



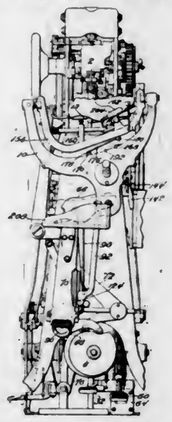
1. In heating billets and like work in a heating chamber having an air inlet and an outlet for products of combustion and in which fuel and air unite in combustion, the method which consists in regulating the fuel supply to the furnace heating chamber by and in accordance with the chamber temperature, and in subjecting the furnace chamber combustion air inlet and the furnace outlet for products of combustion to separate throttling effects one of which is varied by and in accordance with the furnace chamber temperature and the other of which is varied by and in accordance with the furnace chamber pressure.

2,252,324
INCANDESCENT ELECTRIC LAMP COATED WITH A LIGHT POLARIZING MATERIAL
Edwin H. Land, Boston, Mass., assignor to Polaroid Corporation, Dover, Del., a corporation of Delaware
Application October 4, 1938, Serial No. 233,218
7 Claims. (Cl. 176—34)



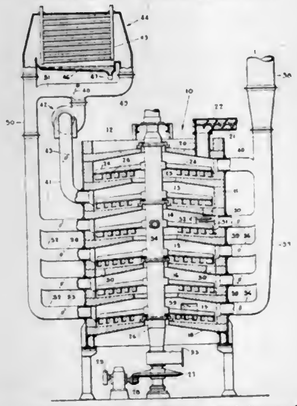
1. An incandescent lamp comprising, in combination, a filament light source, an envelope therefor a portion at least of which is transparent, at least a portion of said envelope being non-planar, said envelope substantially encompassing said source, a non-planar portion at least of said envelope being coated with a material which polarizes transmitted light, said coating being affixed to and positioned on said envelope to intercept light beams emanating from said source.

2,252,325
MACHINE FOR USE IN THE MANUFACTURE OF SHOES
Robert H. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 30, 1939, Serial No. 311,794
25 Claims. (Cl. 12—4)



1. A machine for use in the manufacture of shoes having, in combination, devices for performing an operation progressively along the bottom margin of a shoe, an operating cam shaft, and connections for actuating said devices, a shoe supporting jack, pattern cams, and connections for controlling the relative positions of said devices and jack during the operation on the shoe, driving mechanism for rotating the cam shaft and pattern cams, a shifter member connected to said mechanism and movable in opposite directions to throw said mechanism into and out of operation, a treadle and connections for moving said shifter member to throw said mechanism into operation, latching devices to retain the shifter member when so moved, means for moving the shifter member when released to throw said driving mechanism out of operation, a stop cam driven by said mechanism, and connections for actuating the latching devices from the cam to release the shifter member and for simultaneously rendering the connections between the treadle and the shifter member inoperative.

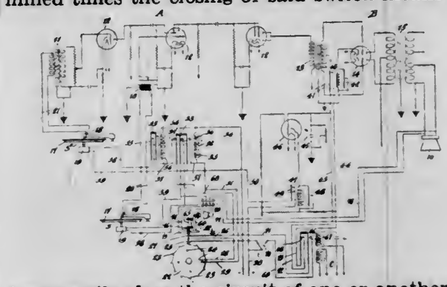
2,252,326
INCINERATION
George R. Lewers, Brooklyn, N. Y., assignor to Underpinning & Foundation Co., Inc., New York, N. Y., a corporation of New York
Application March 5, 1938, Serial No. 194,058
2 Claims. (Cl. 110—12)



1. In apparatus for drying and burning moisture containing material such as sewage sludge, the combination with a multiple-hearth furnace comprising a hearth dividing the furnace into an upper multiple-hearth drying section and a lower multiple-hearth burning section and means for feeding solid material from the drying section downwardly past the dividing hearth to the burning section while maintaining a gas seal; of means for supplying air to the burning section, means for withdrawing hot gases of combustion from the burning section and the furnace including a discharge manifold and branch discharge ducts connecting the manifold with the compartments over the hearths of the burning section, means for varying the flow of gases through the various branch discharge ducts to vary the location of the highest temperature combustion in the burning section, means for passing hot gases of combustion from the discharge manifold through the drying section to remove vapors and gases including combustible gases from the drying section, a condenser through which the gases and vapors from the drying section are passed to remove water vapor and other condensable material, and means for passing gases including combustible gases from the condenser to the burning section including a manifold and branch supply ducts connecting the manifold with the compartments above the hearths of the burning section, and means for varying the flow of gases through the supply branch ducts to vary the supply of combustible gas to the various compartments of the burning section.

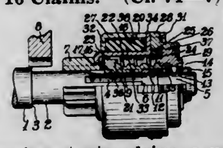
2,252,327
SOUND EMITTING APPARATUS
Herman I. Lovett, Milton V. Horn, and Earnest H. Roy, Buffalo, N. Y.
Application August 27, 1937, Serial No. 161,306
8 Claims. (Cl. 179—100.11)

1. In an apparatus of the character described, the combination with an amplifying circuit, of a plurality of electrically-operated sound sources connected to said circuit to transmit the sound impulses thereto, an electric circuit including said sound sources and having switch means therein for controlling the same, respectively, means in said circuit for governing at predetermined times the closing of said switch means to



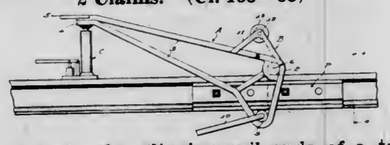
temporarily close the circuit of one or another of said sound sources, and means in the amplifying circuit and operatively connected with the sound source controlling circuit for automatically maintaining, by the audio frequency impulses transmitted through said amplifying circuit the continued closing of the switch means in said controlling circuit.

2,252,328
ENGINE STARTER GEARING
Thomas B. Martin, Dayton, Ohio, assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 18, 1940, Serial No. 361,755
16 Claims. (Cl. 74—7)



1. In an engine starter drive, a power shaft, a screw shaft mounted thereon for rotation therewith, an internally and externally threaded nut on the screw shaft, a pinion slidably journalled on the power shaft, a sleeve threaded on the nut, means transmitting longitudinal movement of the nut to the pinion in a direction to mesh the pinion with a member of an engine to be started, and means including a yielding member resisting longitudinal movement of the sleeve away from the pinion and transmitting rotation of the sleeve to the pinion.

2,252,329
BENDING DEVICE
Paul P. Martin, Chicago, Ill.
Application March 9, 1940, Serial No. 323,216
2 Claims. (Cl. 153—38)



1. A device for aligning rail ends of a track comprising a member formed of bars to provide an open work frame and said member including a head part and an elongated handle part, the head part including a pair of spaced side portions

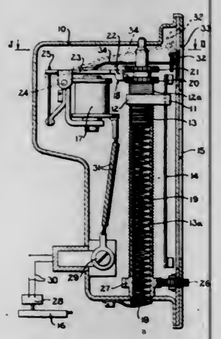
each of triangular shape with one corner of each side portion forming the lowermost part thereof below the plane of the handle, the bar parts at the lower ends of said side parts being rounded to form seats, a roller having its ends supported in said seats with the roller adapted to pass under one rail end, a bar having its ends connected with the upper portions of the two side parts of the head and adapted to extend over an adjacent rail end, the handle portion having its bars converging in two directions from upper and lower portions of the two side parts of the head with the ends of the bars of the handle part connected together at the free ends for forming a seat for a jack.

2,252,330

INDICATING COUNTER FOR FIREARMS

Erich Nöthe, Berlin-Spandau, Germany, assignor to Siemens Apparate Und Maschinen Gesellschaft mit beschrankter Haftung, Berlin, Germany, a corporation of Germany

Application July 21, 1939, Serial No. 285,812
In Germany January 1, 1938
6 Claims. (Cl. 235—124)



1. The combination with a pointer, of a spindle having a threaded portion and an unthreaded portion, a traveling nut for the spindle initially disposed above the threaded portion, yieldable means mounted on said spindle about the unthreaded portion thereof for urging said travelling nut toward the threaded portion, the pointer being mounted on the nut, a scale for the pointer, the scale being mounted upon a housing, intermittently operable escapement mechanism operatively connected to said spindle, and a spring coaxial with the spindle and coupled thereto, the spring also being attached to the housing.

2,252,331

BONDING MATERIAL AND PROCESS OF MAKING THE SAME

Claron R. Payne, Allentown, and Edward T. Severs, Mertztown, Pa., assignors to The Atlas Mineral Products Company, Mertztown, Pa., a corporation of Pennsylvania

No Drawing. Application December 1, 1939, Serial No. 307,184
9 Claims. (Cl. 260—38)

1. A cement mortar comprising a binder consisting of a water-insoluble liquid phenol-formaldehyde reaction product in an arrested stage of its reaction, a solvent therefor consisting of glycerin and water, an aggregate, and paratoluene sulphonic acid, said mortar possessing the characteristic of setting to a firm infusible material at approximately room temperature.

2,252,332

PROCESS OF MAKING FERRIC SULPHATE

James K. Plummer, Atlanta, Ga., assignor to Tennessee Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 29, 1939, Serial No. 306,774
6 Claims. (Cl. 23—126)

1. The process of making hydrated ferric sulphate which consists in roasting iron sulphide ores in a suitable furnace, collecting from the furnace gases dust containing insoluble ferric oxide, mixing sulphuric acid of a concentration not less than 63° Bé. with sufficient water to reduce it to approximately 60° Bé. and enough of said dust to satisfy the sulphuric acid, stirring the mixture without the application of external heat and until the reaction raises the temperature to approximately 310° F., and then holding the heat of reaction in the mixture by placing it in a heat insulated chamber and permitting the reaction to complete itself solely under the heat engendered by the reaction.

2,252,333

PREPARATION OF SYNTHETIC DRYING OILS

Henry S. Rothrock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 28, 1939, Serial No. 292,362
15 Claims. (Cl. 260—93)

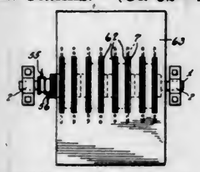
1. A process for making synthetic drying oils which comprises subjecting aliphatic open-chain conjugated diolefinic hydrocarbons to a polymerizing temperature under pressure in the presence of an organic carbonyl compound selected from the group consisting of the aldehydes and ketones and in the presence of a copper salt of weak acid.

2,252,334

ICE-CUTTING APPARATUS

Oscar Schwimmer, Los Angeles, Calif.

Application July 27, 1937, Serial No. 155,908
12 Claims. (Cl. 62—112)



1. An ice-cutting instrument, comprising a metal disk having a smooth peripheral edge mounted for rotation, and an electrical resistance element associated with said disk to supply heat thereto for conduction to the peripheral edge of the disk for melting and thereby cutting ice brought into contact with said edge.

2,252,335

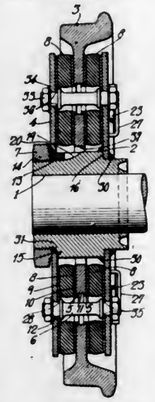
RESILIENT CAR WHEEL

Douglas P. Steward, Johnstown, Pa.

Application July 22, 1938, Serial No. 220,798
7 Claims. (Cl. 295—11)

2. A resilient wheel comprised of a hub provided with two parallel spaced annular hub flanges extending outwardly therefrom and a tire or rim member having an inner annular flange extending inwardly between said hub flanges, and means to resiliently sustain said tire member coaxially on said hub member, said means comprising a plurality of resilient members disposed

in pairs on opposite sides of said tire flange in the space between the tire flange and said hub flanges, each resilient member having inner and outer metal face plates secured thereto, means to secure the outer face plate of each resilient member separately to the hub flanges, means to secure the inner face plate of each resilient member separately to the said tire flange, and respective individual means to place each pair of resilient members separately under the same



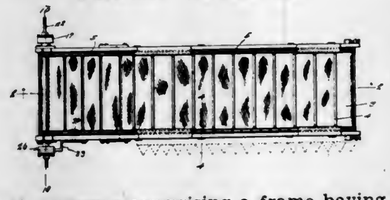
determined degree of compression, said resilient members each comprising a flattened core of resilient material, each flattened face of said core being provided with a face plate secured thereon, the said core and face plates being provided with aligned openings therethrough, the opening through the said core being at least as large as either face plate opening and the opening in one face plate being materially larger than the opening in the other said face plate.

2,252,336

GRAIN BINDER

Charles E. Thomas, Comanche, Okla.

Application December 19, 1939, Serial No. 310,076
3 Claims. (Cl. 198—203)



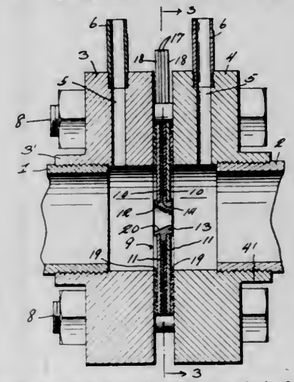
1. A conveyor comprising a frame having side bars, an endless conveyor belt in said frame, rollers in said frame for movably supporting the conveyor belt, one roller constituting a drive roller, a driven shaft extending through said drive roller with its end portions projecting from end of the roller, sprockets at opposite ends of the roller, sprocket chains for moving the conveyor belt trained about the sprockets, gear housings outside the frame having necks passing through the side bars thereof about portions of the driven shaft, differential gearings in the housing, the neck of one housing having the adjacent sprocket carried thereby and the inner end of the neck being fixed to the drive roller, the other housing having its neck free from the adjacent sprocket, the last mentioned sprocket being fixed to a portion of the differential gearing in the last mentioned housing, a lug projecting from the last mentioned housing, a lever pivoted to the adjacent side bar of said frame, and a roller carried by said lever for resting upon the adjacent sprocket chain and supporting the lever in position to engage the lug and hold the last mentioned gear housing stationary and causing turning of the drive roller until breaking of the chain allows movement of the lever out of operative engagement with the lug.

2,252,337

ORIFICE DISK

Sidney Lee Worthen, Garnett, Kans.

Application May 2, 1940, Serial No. 333,055
5 Claims. (Cl. 219—19)



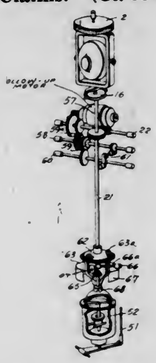
1. A device of the character stated, comprising a flat disk body, including two spaced disk members and insulation material secured between the disk members, the body having a central orifice therethrough, means forming a radially extending handle for the body, and an electrical resistance wire embedded in said insulation material and having terminals extending longitudinally of the handle and from the outer end of the same.

2,252,338

GYROMAGNETIC COMPASS

Robert Alkan, Paris, France

Application July 15, 1936, Serial No. 90,669
In France July 30, 1935
27 Claims. (Cl. 33—223)



6. A device of the character described comprising a free gyro, and means for exerting a corrective torque on said gyro comprising a stationary coil extending 360 degrees about an axis

of said gyro whereby a uniform magnetic field is provided parallel to said axis, and means for controlling said magnetic field.

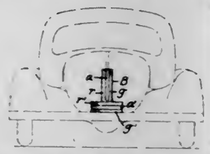
17. A neutral, three-degree-of-freedom directional gyroscope having a rotor and rotor-bearing frame, a substantially horizontal electro-magnetic coil extending 360° about said gyroscope, and magnetic means attached to and movable as a unit with said frame, said means setting up a field which interacts with a field set up by said coil, to apply a torque to said frame whereby the gyroscope is caused to precess in azimuth.

21. A course maintaining device for vehicles, comprising a directional element maintained in position by means responsive to the earth's magnetic field, a course member in cooperative relation with said directional element, means for relatively setting said course member and directional element in accordance with a predetermined course, means including a cam actuated member operative upon said setting to alter the relative set of said course member and said directional element so as to correct for the deviation of said directional element.

2,252,339

DRIVING SIGNAL FOR VEHICLES

Edison H. Baker, New York, N. Y.
Application August 23, 1939, Serial No. 291,609
3 Claims. (Cl. 177—329)

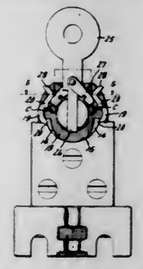


1. In a driving signal for vehicles, means for displaying an elongated bar of light in any one of a plurality of colors in a predetermined angular position, and means for displaying a similar bar of light in an angular position substantially divergent from the first bar, whereby signals double the number of colors used may be displayed.

2,252,340

LAMP HOLDER

Frank D. Bryant, Stratford, and William R. Young, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application September 18, 1940, Serial No. 357,262
11 Claims. (Cl. 173—336)

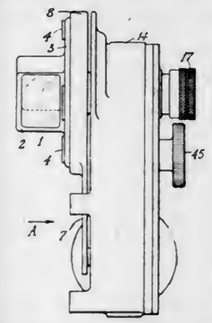


1. In combination, a base of insulating material having a recess in a face thereof merging with a slot extending to an edge of the base, spaced contact members in said recess and adapted to engage the spaced prongs of an electric lamp as the prongs are moved laterally through the slot and rotated within the recess into engagement with the contact members, said contact members being provided with means locking the pins in fixed position after they have been rotated into engagement with the contact members, and means insertable into said recess and cooperating with the spaced contact members to release them from engagement with the lamp pins whereby the lamp may be withdrawn from the lampholder.

2,252,341

SEXTANT AND SIMILAR INSTRUMENTS FOR ANGULAR MEASUREMENT

Philip Francis Everitt, Ilford, England, assignor of two-thirds to Arthur Joseph Hughes, Chigwell Row, Essex, England, and Henry Hughes & Son, Limited, London, England, a corporation of Great Britain
Application March 8, 1938, Serial No. 194,664
In Great Britain June 7, 1937
13 Claims. (Cl. 33—70)



4. In an angle-measuring instrument having a fine adjustment mechanism, a totaliser driven from said mechanism, a clutch coupling said totaliser to said mechanism, an observation counter, and means operated by the clutch-disengaging mechanism for stepping said counter forward at each disengagement of said clutch.

2,252,342

SEMIDIRIGIBLE FLYING MACHINE

Thomas M. Finley, Irondale, Mo.
Application August 5, 1938, Serial No. 223,306
11 Claims. (Cl. 244—5)

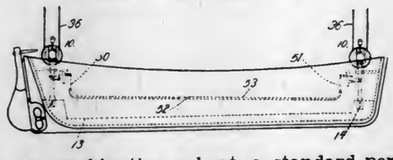


1. A combined lighter-than-air and heavier-than-air flying machine having a hollow gas holding initially lighter-than-air airfoil body approximately prolate spheroid cross sectionally and substantially oblong in plan view and forming a flying wing having the characteristics of an airplane wing and arranged to travel in the direction of its greater dimension, said body being provided at the front with a flaring entrance opening and having a plurality of laterally spaced tubes forming air tunnels and extending longitudinally through the body from the flaring entrance to the rear end of the body, hollow body extensions arranged vertically in the flaring entrance at the spaces between the tubes and terminating short of the front end of the body and dividing the space within the flaring entrance and forming separate auxiliary mouths for the tunnels and increasing the gas capacity of the body, propellers operating in the tunnels, and means carried by the body for varying the weight of the body sufficiently for causing the machine to fly either as a lighter-than-air machine or as a heavier-than-air machine.

2,252,343

LIFEBOAT AND LAUNCHING TACKLE THEREFOR

Ivan Rupert Fleming and Frank Elder Fleming, Liverpool, England
Application February 10, 1939, Serial No. 255,760
In Great Britain February 18, 1938
11 Claims. (Cl. 9—23)

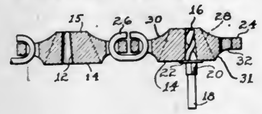


1. In combination a boat, a standard permanently secured to the boat and having a swivel block on the upper part thereof, cross-head members, pivotal mountings at opposite sides of the swivel block for the said cross-head members, a fall block having a rotatable sheave, a hinged connection between the said fall block and the said cross-head members, a hook engaging the fall block to prevent tilting thereof, a pivotal connection between the said hook and the said cross-head members, and a releasing mechanism for said hook comprising a member slidable vertically to the standard and a linkage coupling said members to the hook which permits the cross-head members to cant and swivel on the swivel block without effecting the hook releasing gear.

2,252,344

DOBBY CHAIN

Warren B. Harris, Millbury, Mass.
Application September 20, 1940, Serial No. 357,587
2 Claims. (Cl. 139—333)



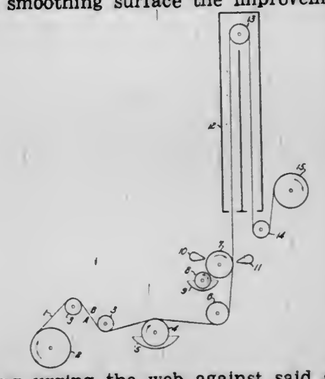
1. A dobby chain comprising a set of crossbars made of a molded material and having a series of spaced dobby peg holes formed therein, each bar having integral therewith and adjacent its opposite ends a pair of opposed lugs which are provided with perforations therethrough, metal links inserted in said perforations which connect the bars as a chain, each lug being made of said molded material and integral with the bar and being narrower than the thickness of the bar so that the links inserted therein may lie within the planes of the outer faces of the crossbars and the parts being shaped and arranged for molding the bar in a single operation.

2,252,345

COATING SHEET MATERIAL

Stanley J. Johnson, Portland, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts
Application June 11, 1938, Serial No. 213,275
14 Claims. (Cl. 91—33)

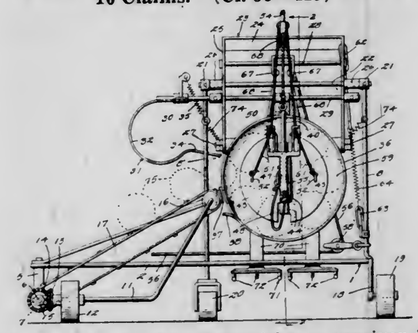
3. In a method of smoothing mobile coating composition upon a flexible web by means of a rigid smoothing surface the improvement comprising urging the web against said smoothing surface by means of an air jet.



2,252,346

GRAIN SHOCKER

Albin P. Lofstrand, Chicago, Ill.
Application April 23, 1940, Serial No. 331,224
10 Claims. (Cl. 56—419)



1. A grain shocker, comprising a receiver into which bundles of grain may be deposited in side by side relation, means facilitating the movement of the receiver into a position to discharge the bundles as a group from the receiver in vertical position, means onto which the bundles are deposited comprising laterally separable supports, and means for shifting said supports laterally away from one another as the supports are drawn from beneath the bundles for separating the ends of the bundles of the group outwardly from the center of the group.

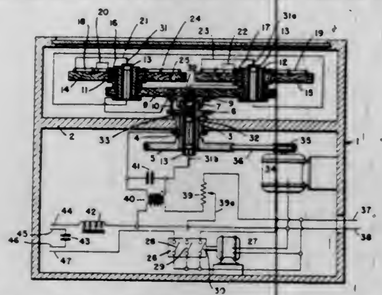
2,252,347

APPARATUS FOR PRODUCING DISPLAYS BY ROTATING LUMINOUS BODIES

Joseph Otto Luthy, San Antonio, Tex.
Application December 23, 1940, Serial No. 371,324
4 Claims. (Cl. 40—34)

1. A display apparatus including a rotary main member, display means, means to movably mount the display means on the main member for free and uncontrolled rotary movements independently of the main member, means to drive the main member only thereby to rotate same and through its rotation to rotate the display means solely by the force derived by and from the starting and stopping of the main member, means for effecting said starting and stopping

of the main member whereby the rotation of the display means is uncontrolled save by such force as it derives from the starting and stopping of the main member, and said display means hav-



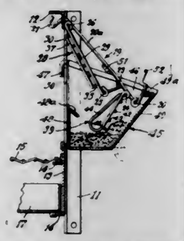
ing its weight equally distributed to provide equal balance thereof, whereby the pattern of the display means is successively changed, during said starting and stopping of the main member.

2,252,348

PEN CONSTRUCTION

Alexander W. Mager, Chicago, Ill., assignor to Bussey Pen Products Company, Chicago, Ill., a corporation of Illinois

Application August 10, 1939, Serial No. 289,363
5 Claims. (Cl. 119—17)



1. In a pen of the class described, a side wall comprising a frame defining an aperture, said frame being provided with a plurality of hook receiving recesses for supporting a food trough at different elevations on the exterior of the frame adjacent the aperture, a trough provided with hooks receivable in certain of said recesses for supporting said trough at selected elevations, said trough having a rear wall, a closure member pivotally secured to the frame adjacent the upper portion of the aperture and swingable outwardly about the pivotal axis to provide a space between the upper edge of said rear wall and said closure member to provide feeding access to the trough, and means carried by said closure member for engaging said trough when the latter is elevated to any higher position for moving said closure member to a different angular position providing an enlarged space between the rear wall of the trough and said closure member.

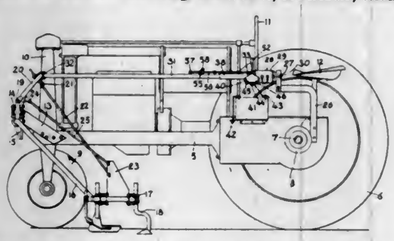
2,252,349

AGRICULTURAL IMPLEMENT

Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application January 13, 1940, Serial No. 313,751
5 Claims. (Cl. 97—50)

1. In a machine of the class described, including an implement frame, and an implement carried on the frame for vertical movement from lowered to raised position, the combination with the implement of lifting and lowering means therefor, comprising a reversible, rotary electromotor carried on the frame rotatable in one direction to raise the implement and rotatable in another direction to lower the implement, a source of electric energy connected to the motor, a control switch having forward, neutral, and re-



verse positions, lifting connections between the motor and the implement including means for translating rotary motion of the motor to vertical movement of the implement, and means connected between the implement and the switch for moving the switch from forward or reverse to neutral position when the implement has reached lifted or lowered position.

2,252,350

WINDSHIELD CLEANER CONSTRUCTION

William Paulus, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application June 3, 1937, Serial No. 146,215
2 Claims. (Cl. 15—255)

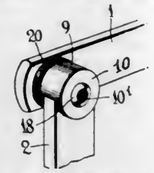
1. In a motor vehicle having rearwardly extending and angularly related windshield sections, an underlying body frame member, and a forwardly extending cowl; a wiper shaft journaled on the cowl at a normal to each section, a windshield cleaner drive disposed on said frame member between the windshield sections and having a driving crank member, the axes of the wiper shafts being angularly related to each other and to that of the driving crank member, and a removable transmission unit interposed between the crank member and each wiper shaft, each unit comprising a reciprocatory link connected at one end to the crank member, a gear member connected to the opposite end of the link by a ball and socket joint, and means connecting the gear member to the adjacent wiper shaft.

2,252,351

METHOD OF PRODUCING POWER TRANSMITTING UNITS

William Paulus, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application November 9, 1938, Serial No. 239,643
3 Claims. (Cl. 29—149.5)



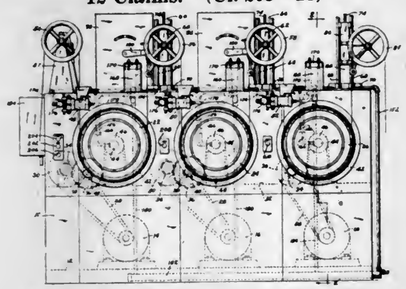
1. The method of forming a ball and socket universal joint wherein the ball part has a shank, comprising casting about the ball part a socket part including side and end walls, forming the lower end wall with an inner weakened portion substantially in axial alinement with said shank, supporting the socket part in a manner to rigidly support said lower end wall about its outer marginal face to leave said end wall about the weakened portion unsupported, applying pressure to the upper end of the ball in a direction substantially alined with the axis of said shank to cause the unsupported weakened end wall portion to distend to create clearance between said ball and the end walls of said socket.

2,252,352

WIREDRAWING MACHINE

Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan

Application June 26, 1937, Serial No. 150,476
12 Claims. (Cl. 205—14)



1. A wire-drawing machine comprising a die, a capstan for drawing the wire vertically downward through the die, a motor for driving said capstan, means engaging the wire on the opposite side of the die from the drawing means and maintaining a substantially uniform back tension on the wire to facilitate drawing it through the die, said back tension means including a vertically-movable part whose vertical position is varied by variations in the feeding of the wire through the die, a device for controlling the speed of the motor, and connections from said part to said device for varying the motor speed to compensate for said variations.

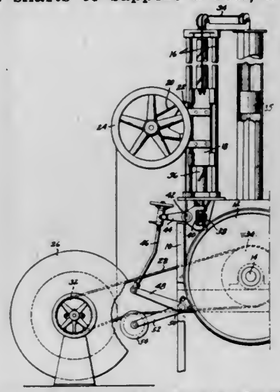
2,252,353

REEL MOUNTING

Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan

Application September 29, 1938, Serial No. 232,268
4 Claims. (Cl. 242—45)

4. In a wire drawing machine having a part movable in accordance with variations in the tension of the wire, reel mounting and driving means comprising a pair of oppositely disposed rotatable shafts to support a reel, a pulley ro-



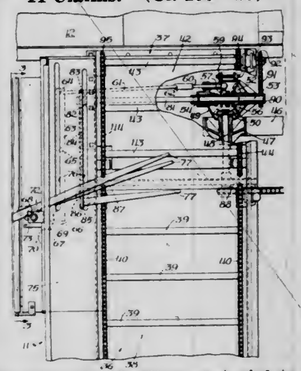
tatably mounted on one of said shafts, one way drive means connecting the pulley to said one shaft, a driving belt passing around said pulley, and means controlled by movement of said part to vary the tension of the belt.

2,252,354

PICKUP BALER

Clemma R. Raney, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application October 8, 1938, Serial No. 233,998
11 Claims. (Cl. 100—25)



1. Mechanism for feeding material to a baling unit, comprising a first conveyer adapted to receive material, a second conveyer adapted to transfer material from the first conveyer to the baling unit, a movably positioned material retaining device, and means constructed and arranged for stopping the first conveyer and for moving the retaining device in a substantially horizontal direction from a non-retaining position in relation to the material handled into a material retaining position between the conveyers.

2,252,355

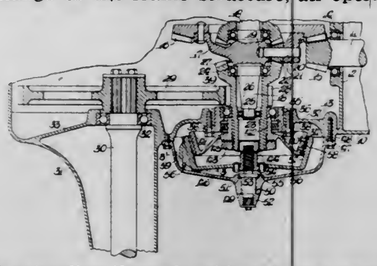
BRAKE

Albert W. Scarratt, Kenilworth, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application April 3, 1937, Serial No. 134,726
2 Claims. (Cl. 188—71)

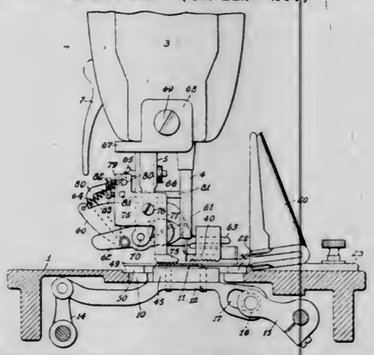
1. In a tractor having a cast rear frame struc-

ture, and in combination therewith, drive gearing including a laterally extending driving shaft projecting from the frame structure, said frame structure being formed with a depression around the shaft surrounded by a flange, a conical brake member mounted on said shaft, a rigid enclosure covering said brake member and cooperating with the depression in the frame structure to form a brake housing, said enclosure being secured to the flange of the frame structure, an operating



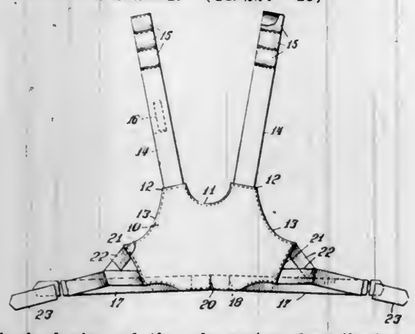
shaft extending through said enclosure coaxially with the brake member, a conical brake drum mounted in the brake housing on and entirely carried by said operating shaft, means on the housing engageable with a portion of the drum for holding the drum against rotation with respect to the brake member, and means actuated by the operating shaft for moving the brake drum axially into engagement with the brake member.

2,252,356
SEWING MACHINE
Charles Seaman, Jamaica Estates, N. Y.
Application January 26, 1940, Serial No. 315,657
9 Claims. (Cl. 112—207)



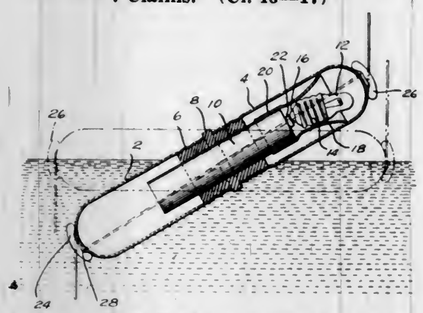
1. In a sewing machine having a head carrying a reciprocating needle bar, a presser foot bar, a lower feed dog to engage the under surface of a material and actuating means for said lower feed dog adapted to produce a four-motion feed movement thereof, an upper feed dog to engage the upper surface of said material, a spring arm carrying said upper feed dog, means pivoting said arm for oscillating movement in the direction of feed of the material, a rod attached to said actuating means and extending substantially parallel to said spring arm, adjustable means connecting said rod to said arm to cause said arm to oscillate in synchronism with the movement of said lower feed dog and to vary the stroke of said arm, and means actuated by reciprocation of said presser foot bar to depress said upper feed dog into engagement with said material during the feed stroke thereof, said last means and said rod being adapted to impart a four-motion feed movement to said upper feed dog in synchronism with the corresponding movement of said lower feed dog.

2,252,357
BABY STRAP
Winifred A. Shaw, Chicago, Ill.
Application October 14, 1940, Serial No. 361,125
2 Claims. (Cl. 227—49)



1. A device of the character described comprising a body member of textile material formed to extend from the waist to the shoulders, across the abdomen and chest; shoulder straps, secured to the upper end of the shoulder portions, adapted to extend in criss-cross manner at the back of a baby's body down to the waist thereof and each provided with a plurality of lengthwisely spaced loops; a body strap connected intermediate its ends with the lower end of the body member adapted to extend about the baby's body, through the preselected loops of the shoulder straps and the free ends to be tied together; tie-straps at opposite sides of the body member whereby the child may be tied in a chair; and a V-shaped elastic means secured to the tie-straps and to the body member at the opposite sides of and adjacent the lower end of the body member.

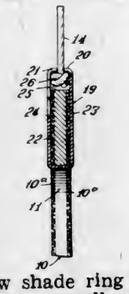
2,252,358
SIGNALING FLOAT
John Tosi, Palisades Park, N. J.
Application July 20, 1940, Serial No. 346,481
7 Claims. (Cl. 43—17)



1. A signaling float comprising an elongated buoyant casing, an electric battery and a connected lamp socket in fixed position in said casing, said socket having contacts adapted to be engaged by the corresponding contacts of a lamp, a lamp having cooperating contacts, said lamp being freely movable in said socket into and out of engagement with at least one of said contacts

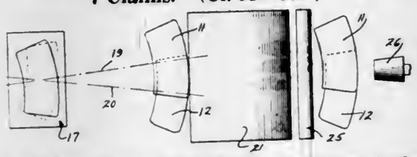
and said parts being so arranged in said casing that said lamp tends to gravitate out of engagement with one of said contacts when the float is in its normal horizontal position and tends to gravitate into engagement with said contact when the float is tilted from its horizontal position.

2,252,359
WINDOW SHADE RING PULL
William Wade, Chicago, Ill.
Application November 9, 1939, Serial No. 303,643
3 Claims. (Cl. 156—40)



1. In a window shade ring pull consisting of a flat faced ring and a pull-cord, a ring holding clip adapted to extend flush with the ring sides and composed of a metallic strip bent into elongated closed ended loop form, the strip being provided with a longitudinally disposed slot enlarged at one end, the slotted portion of the strip being bent intermediate of the ends of the slot to extend across the outer perimeter of the ring with the enlarged end of the slot in contact with one side of the ring while the imperforate portion of the strip extends through the ring opening and into engagement with the other side of the ring.

2,252,360
CONTAINER AND METHOD OF MAKING SAME
Cesare Barbieri, New York, N. Y., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application March 9, 1940, Serial No. 323,055
7 Claims. (Cl. 93—39.1)

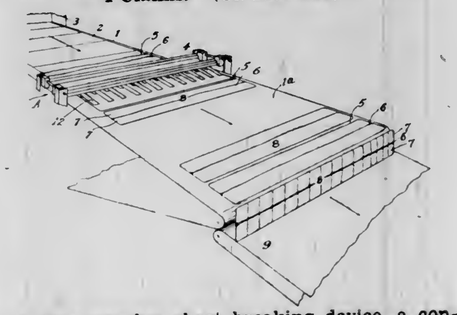


1. The method of making a container, including the steps of cutting a plurality of arcuate blanks, then feeding each blank along a separate line of travel at an angle to another line of travel to an assembly location, joining the blanks in overlapped staggered relationship to form a composite blank, and forming a container from said composite blank.

2,252,361
ALUMINUM ALLOY RIVET
Hans Bothmann, Aken, and Walter Mannchen, Dessau, Anhalt, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
No Drawing. Application October 17, 1939, Serial No. 299,808. In Germany September 29, 1938
3 Claims. (Cl. 75—142)

1. An aluminum base alloy containing between about 3.5 and about 4.5 per cent of copper, between about 0.4 and about 1.4 per cent of magnesium, between about 0.3 and about 0.7 per cent of manganese and also iron and silicon, the content of the iron not exceeding 0.6 per cent of the total alloy while being more than five times as great as that of the silicon, the balance of the alloy being substantially all aluminum, said alloy being characterized by its capacity for being age-hardened and by high mechanical strength properties, particularly high shearing strength, in the hardened state, and by its relatively long potential time of storage.

2,252,362
CRACKER MACHINE
Vaughn F. Carus, Saginaw, Mich., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Application March 27, 1939, Serial No. 264,417
4 Claims. (Cl. 146—129)



1. In a cracker sheet breaking device, a conveyor belt including an initial run passing around a nosing that defines the end of said run; said device having in combination holding-down means adjacent the nosing to engage crackers on said run; and a subsequent belt run traveling across the plane of travel of the sheet of crackers on the initial run and spaced in advance of the nosing, and presenting a structure beyond the nosing for snapping off the crackers by engaging and bending the unsupported end of the advancing sheet.

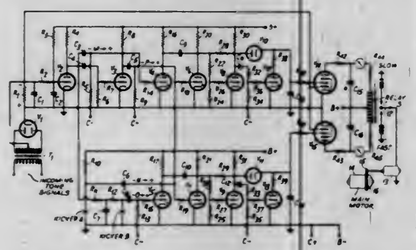
2,252,363
CRACKER MACHINE
Vaughn F. Carus, Saginaw, Mich., assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Application March 27, 1939, Serial No. 264,418
5 Claims. (Cl. 146—129)



1. In a machine of the class described, a flexible belt for carrying strips of crackers formed with frangible scores, a series of wheels having rims engaging the under side of the belt substantially in alinement with certain of said scores and arranged to rotate in the direction of travel of the belt, a second series of wheels rotatable in the direction of belt travel and having rims engaging the top face of the strip of crackers on the belt and substantially in alinement with other scores, the engagement of said series of upper and lower wheels with said crackers and belt respectively being such as to flex the belt ad-

jacent said frangible scores in the strips of crackers engaged by them, such flexings at successive frangible scores being in opposite direction.

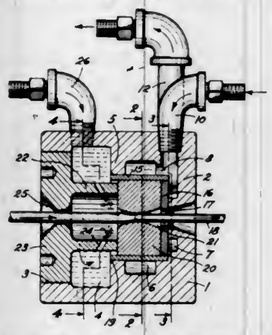
2,252,364
PHASE CORRECTOR FOR MULTIPLEX TELEGRAPH SYSTEMS
Gilbert R. Clark, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1940, Serial No. 316,458
9 Claims. (Cl. 178—53)



1. Apparatus for maintaining a distributor in synchronous phase with the arrival moments of the mean centers of a train of marking impulses received over a circuit, said apparatus comprising a pair of condensers, a unilateral charging circuit connected across the electrodes of each condenser, a discharging circuit in shunt with each charging circuit and including a grid-controlled gaseous discharge tube, means operated by said distributor for producing two surge impulses, the first preceding and the second following by equal time intervals the centering of a distributor brush on a distributor segment, means for accumulating a charge on the first of said condensers which is proportional to the time lapse between the arrival of the front edge of a marking signal and the first said surge impulse, means for accumulating a charge on the second of said condensers which is proportional to the time lapse between the second said surge impulse and the arrival of the back edge of said marking signal, means operative only during space-signal intervals for comparing the charges respectively stored on said condensers, means dependent on the operation of said comparing means for adjusting the phase of said distributor, and means for controlling each of said gaseous discharge tubes at the commencement of the charging period of its associated condenser, thereby to reduce each condenser charge to a predetermined value.

2,252,365
DIE HOLDER
Edward J. P. Fisher, North Jackson, Ohio, assignor to The Aetna Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application May 13, 1940, Serial No. 334,799
4 Claims. (Cl. 205—25)

1. In a die holder of the type described, a body member, a cooling water chamber formed in said body, a die supporting housing of copper or the like comprising a tubular cylindrical sleeve portion having an end portion, said housing being supported in said body with the outer surface of said end portion forming a portion of the walls of said cooling water chamber, a die having a sliding fit in said supporting housing and having an end face adapted to engage the inner face of said end portion of said housing and a die hole extending therethrough, the exit end of said die

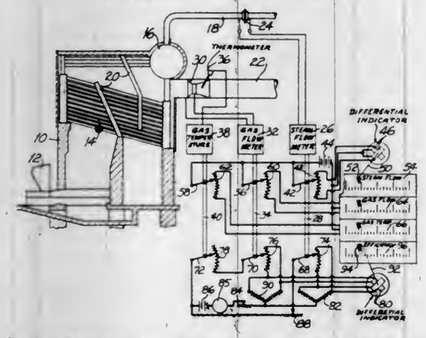


hole being adjacent said housing end portion, and means for holding said die in said die housing.

2,252,366
CONDENSATION PRODUCT CONTAINING SULPHUR
Walter Frost, Saarau, Kreis Schweidnitz, Germany, assignor to the firm Silesia Verein Chemischer Fabriken, Saarau, Kreis Schweidnitz, Germany
No Drawing. Application January 13, 1939, Serial No. 250,759. In Germany February 1, 1938
8 Claims. (Cl. 260—79)

1. A process of producing a condensation product containing sulfur which comprises causing to react an aqueous solution of a polysulfide selected from the group consisting of the polysulfides of alkaline metals, alkaline-earth metals, and ammonium, with an organic compound having a substituent joined to each of two different carbon atoms, which substituent is split off during the reaction, in the presence of a small amount of 0.5 to 5.0 mol-% of an organic compound selected from the group consisting of alkyl monohalides, and aralkyl monohalides.

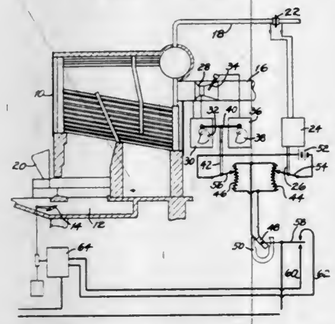
2,252,367
EFFICIENCY METER
Wilhelm E. Germer, Berlin-Charlottenburg, Germany
Application August 27, 1938, Serial No. 227,136
In Germany August 21, 1937
9 Claims. (Cl. 73—196)



1. Apparatus for determining the efficiency of a boiler comprising means for measuring the flow of steam from the boiler, means for measuring the flow of gas from the boiler, means for measuring the gas temperature, means for multiplying

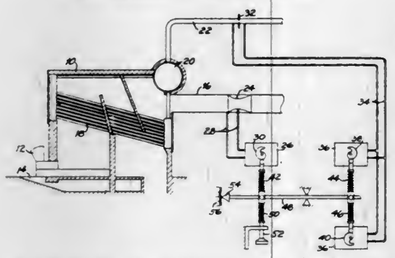
the gas flow by the gas temperature to determine the quantity of heat in the gas and means for dividing said quantity by the steam flow.

2,252,368
REGULATING APPARATUS AND METHOD
Wilhelm E. Germer, Berlin-Charlottenburg, Germany
Application September 6, 1938, Serial No. 228,711
In Germany February 23, 1937
7 Claims. (Cl. 236—14)



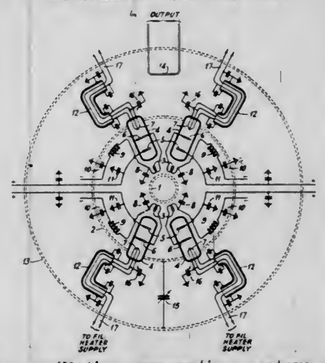
1. The method of regulating a steam boiler or the like which comprises measuring the flow of steam from the boiler, controlling the flow of gas through the boiler in accordance with variations in the steam flow, measuring the flow of gas and the temperature of the gas leaving the boiler, and modifying the gas flow control in accordance with variations in the product of gas flow and gas temperature to increase the gas flow as said product increases and decrease the gas flow as said product decreases.

2,252,369
EFFICIENCY INDICATING APPARATUS
Wilhelm E. Germer, Berlin-Charlottenburg, Germany
Application March 10, 1939, Serial No. 261,027
In Germany August 21, 1937
3 Claims. (Cl. 73—196)



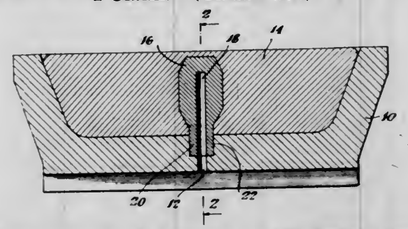
1. Apparatus for indicating the efficiency of a steam boiler or the like comprising means for measuring the flow of steam from the boiler, means for measuring the flow of gas from the boiler, means operated by said first named means for creating a force proportional to a function of steam flow and a second force proportional to a function of flue gas temperature, means operated by said second named means for creating a force proportional to a function of gas flow, and means for balancing the first named force against the sum of the last two forces to obtain a resultant proportional to boiler efficiency.

2,252,370
ULTRA HIGH FREQUENCY OSCILLATOR
Hallan E. Goldstine, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 10, 1939, Serial No. 289,337
18 Claims. (Cl. 250—36)



1. An oscillation generation system comprising a plurality of vacuum tube oscillators, a single concentric line resonator coupled in electrically parallel relation to the inputs of said tubes for controlling the frequency thereof, tuning means coupled to the filaments of said vacuum tubes, and means for deriving output energy from said last tuning means.

2,252,371
METHOD OF FORMING SELF-FLUXING INGOTS
Macon E. Greenhow and Ralph N. Jacobson, San Francisco, Calif., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application April 18, 1939, Serial No. 268,475
1 Claim. (Cl. 22—202)

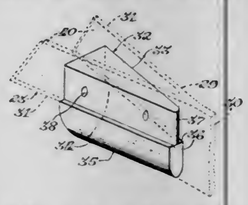


The method of forming a self-fluxing ingot which comprises forming a flux core having a base portion of lesser cross-sectional area than the body portion thereof, positioning said core in a metal mold having a recess in the bottom thereof adapted to receive and secure said base portion, encasing said core by the introduction of molten metal into the mold, solidifying the metal, and removing the ingot from the mold as a consequence of which the base portion of the core is severed from the flux-cored ingot.

2,252,372
RUNNER OPENER
Frederick E. Hand, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 26, 1940, Serial No. 342,416
4 Claims. (Cl. 111—86)

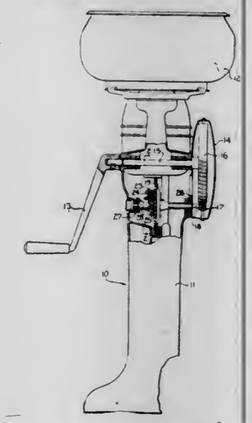
4. A runner comprising a Y-shaped element

and a member carried by the element and having one portion tapered to fit between the branches of the Y and another portion of said member adapted for ground engagement having its outer surfaces respectively flush with



the outer surfaces of the branches of the Y, said outer surfaces and the opposite surfaces of the tapered portion forming opposite shoulders respectively abutting the edges of the branches of the Y.

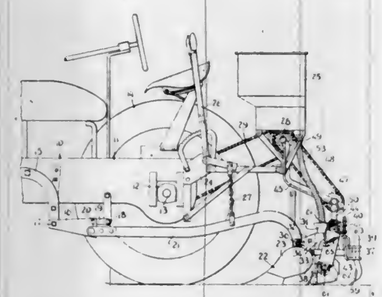
2,252,373
CLUTCH
William H. Harstick, Richmond, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application January 13, 1940, Serial No. 313,731
9 Claims. (Cl. 74—407)



1. In combination, a shaft carrying a collar, a spiral gear rotatably mounted on the shaft adjacent the collar and being permitted axial movement away from the collar, means engaging the spiral gear for rotating the same and for moving the same axially away from the collar, a plate positioned at the side of the gear away from the collar and secured to the gear for limited axial movement away from the gear and for limited angular movement with respect to the gear, there being wedges on the gear fitting into recesses in the plate, and a gear secured to the shaft and adapted to have driving engagement with the plate upon axial movement of the plate toward the last mentioned gear.

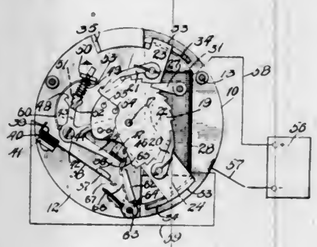
2,252,374
LISTER PLANTER
James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 7, 1940, Serial No. 355,799
13 Claims. (Cl. 111—59)

13. In a planter, a frame, a furrow opener, beam structure for connecting the furrow opener to the frame, a hill drop attachment adapted to be connected to the beam structure including a seed boot having a seed valve in its lower end



and adapted to be driven, driving means for the seed valve including a drive shaft vertically removed from the seed valve, and means for driving said drive shaft.

2,252,375
ELECTRIC CLOCK
John W. Hobbs, Springfield, Ill., assignor to John W. Hobbs Corporation, Springfield, Ill., a corporation of Delaware
Application March 3, 1939, Serial No. 259,539
12 Claims. (Cl. 185—40)

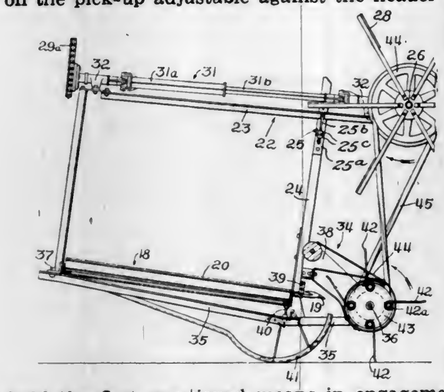


1. A timing device including a driving mechanism having an actuating spring, electrically operable means for intermittently stressing said spring, a circuit connection to said means, a switch in said circuit arranged to be opened by the operation of said means when substantially fully stressed condition of the spring is reached, and auxiliary means magnetically actuated by said first means for opening said switch in the event that the first means is energized insufficiently to fully stress the spring.

2,252,376
PICKUP ATTACHMENT FOR HARVESTER-THRESHERS
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 9, 1939, Serial No. 298,553
2 Claims. (Cl. 56—364)

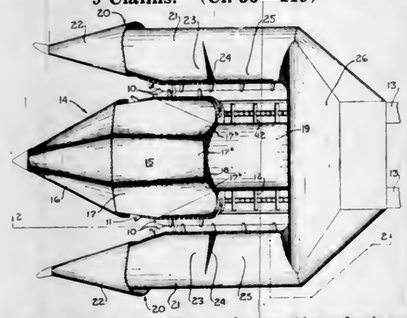
1. In combination, a harvester having a header, a pick-up attachment, means on the pick-up adapted to rest on the header, means for securing the pick-up to the header at a point spaced from

the first mentioned means, and adjustable means on the pick-up adjustable against the header to



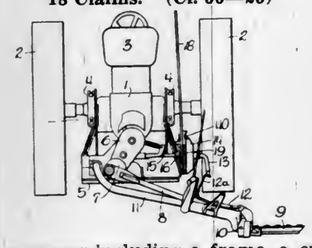
hold the first mentioned means in engagement with the header.

2,252,377
PICKER CONSTRUCTION
Benjamin M. Hyman, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 27, 1940, Serial No. 342,788
9 Claims. (Cl. 56—119)



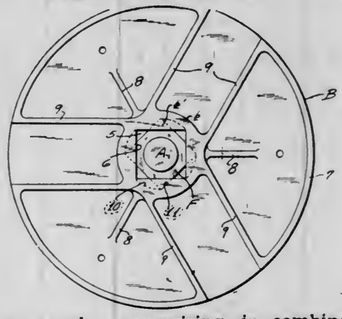
1. A harvester having a harvesting device and a shield at one side of the device extending upwardly and rearwardly to an intermediate point of the device, then downwardly for a short distance, and then upwardly and rearwardly.

2,252,378
MOWER
Willy Iven, Neuss, Germany, assignor to International Harvester Company, a corporation of New Jersey
Application March 23, 1939, Serial No. 263,691
In Germany March 31, 1938
18 Claims. (Cl. 56—25)



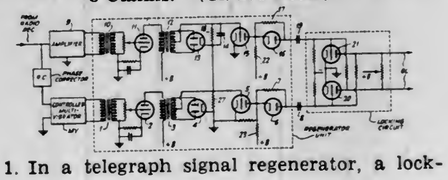
1. In a mower including a frame, a cutter bar pivoted on the frame for vertical movement from lowered to raised position, a rockable member carried by the frame, a lifting lever, and linkage connected between the member and the cutter bar, the combination with the rockable member of a lifting member carried thereon and rockable therewith, ratchet means between the lever and the lifting member for raising the cutter bar, locking means between the frame and the lifting member for locking the cutter bar when raised, and brake means between the frame and the lifting member and operable by the lever.

2,252,379
GUY ANCHOR
George McD. Johns, Webster Groves, Mo., assignor to Smithjohns, Inc., Webster Groves, Mo., a corporation of Missouri
Application September 23, 1939, Serial No. 296,228
3 Claims. (Cl. 189—92)



1. A guy-anchor comprising, in combination, a base-plate having an opening, a rod disposed endwise through said opening, and means for retaining the plate on, and against movement longitudinally of, the rod, said means including a nut-member having a plurality of corners and of greater perimetral dimension than said opening for threaded engagement with the rod, a first wall projecting laterally from the outer face of said plate and disposed about said opening, and a rigid second wall spaced by said first wall from, and disposed substantially in parallel relation to, the base-plate and with said first wall providing a nut-housing, said second wall having an aperture for permitting insertion of the nut into said housing, said first wall being grooved on its inner face for engagement by respective corners of the nut for limiting rotatory movement in the housing of the nut with respect to the plate and said second wall, when the nut is in the rotated position in the housing, underlying the several respective corners of the nut.

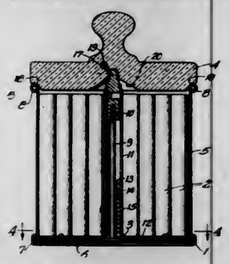
2,252,380
TELEGRAPH SIGNAL REGENERATOR
Alfred Kahn, Hollis, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 29, 1940, Serial No. 321,398
8 Claims. (Cl. 178—69.5)



1. In a telegraph signal regenerator, a lock-

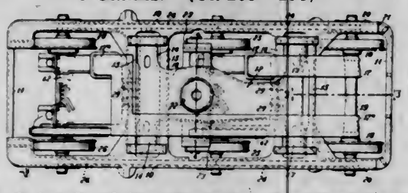
ing circuit for keying the marking impulses of a signal train, a multivibrator capable of generating self-sustained oscillations subject to phase correction by a train of received signals, means responsive to the operation of said multivibrator for timing the shifts of said locking circuit from one to another state of electrical stability, means operative during reception of the wave peak of a marking signal of baud unit length for producing one of said shifts in one sense, means operative during the reception of a wave valley representing a spacing signal of baud unit length for producing one of said shifts in the opposite sense, and means inherent in the cooperative action of the aforesaid means for continuing the state of electrical stability to which said locking circuit is shifted during the prolongation of marking and spacing signals beyond an interval of baud unit length.

2,252,381
CONTAINER
Lester L. Ladd, Lockport, Ill.
Application December 6, 1939, Serial No. 307,771
3 Claims. (Cl. 312—78)



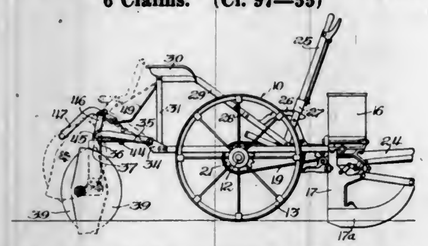
1. A dispensing container comprising a receptacle open at its upper end, a central upright guide rod on the bottom of said container, a lift slidably mounted on said guide rod for supporting the articles to be dispensed, a spring normally raising said lift, and a bodily removable cover for said receptacle, said cover being adapted to engage a portion of said lift and being of sufficient weight to retract said lift against the action of said spring.

2,252,382
TRUCK FOR DIESEL LOCOMOTIVES
Howard H. Lanning, Topeka, Kans.
Application July 3, 1939, Serial No. 282,597
8 Claims. (Cl. 105—196)



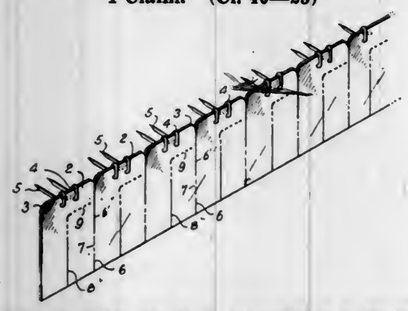
1. A truck of the character described having a frame provided with two pairs of transom members unequally spaced from the ends of the frame, with one pair arranged in closer proximity to the forward end of the frame; a bolster disposed longitudinally of the frame intermediate of the two pairs of transom members, arched across the adjacent transom member of both pairs and terminating in transversely extending ends arranged between the transom members of each pair, the bolster in proximity to its rearward end being provided with a center plate; the truck being provided with three unequally spaced wheel carrying axles, the intermediate axle being arranged forward of the center plate portion of the bolster.

2,252,383
BASIN-FORMING DEVICE
Alexus C. Lindgren, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 17, 1938, Serial No. 225,337
6 Claims. (Cl. 97—55)



1. A corn planter including a frame, means thereon for depositing corn, means for covering the corn carried rearwardly of the depositing means in alinement therewith, and basin-forming means carried rearwardly of the covering means and on both sides of and closely adjacent the line of the covering means and the depositing means.

2,252,384
PRICE TAG
Alonzo K. Marsh, Summit, N. J., assignor to A. Kimball Company, New York, N. Y., a corporation of New York
Application February 9, 1940, Serial No. 318,033
1 Claim. (Cl. 40—25)



A gang price tag strip comprising a series of tags provided with attaching means at one edge and partially severed from each other by pairs of aligned slits extending inwardly from opposite edges of the strip, each of said tags being provided midway between the edges of the tag with a slit extending into the body of the tag from the edge of the strip which is free of said attaching means, and each of said tags being provided with a weakened line extending transversely of said tag and intersecting one of said aligned slits which extends inwardly from the edge of the strip which carries said attaching means, the unsevered portions of said strip which connect adjacent tags being located opposite said slits which extend into the body of the tag whereby the cutting knife which severs adjacent tags may enter said last named slits without cutting the tag.

2,252,385
METHOD OF MACHINING ARTICLES AND SOLUTION THEREFOR
Gilbert H. Orozco, East Cleveland, Ohio, assignor to Gilron Products Co., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 15, 1939, Serial No. 256,598
9 Claims. (Cl. 252—42)

1. The method of removing foreign matter from liquid coolants which are used in machining operations on articles wherein a relatively small volume of coolant is continuously recirculated onto the article and tool, said method comprising depressing the surface tension of the liquid coolant and maintaining it depressed during the machining operations to such a degree that particles introduced thereinto from the tool and article settle out of the coolant in less time than is required for the coolant to pass from the place of introduction of the particles to the tool and article.

2,252,386
MANUFACTURE OF SURFACE COVERING MATERIALS
Richard O. Roblin, Jr., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 28, 1939, Serial No. 301,794
7 Claims. (Cl. 106—264)

1. In a process of curing a surface covering composition including a siccative material selected from the group consisting of drying oils and drying oil modified polyhydric alcohol-polybasic acid resins, the step which comprises adding to such a composition a dihydrocarbon-substituted cyanamide containing not more than 14 carbon atoms in the substituent groups.

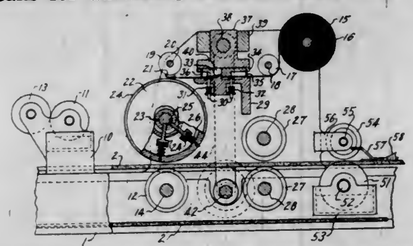
2,252,387
REFRIGERATION THERMOMETER
Harry Schmidt, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application January 27, 1939, Serial No. 253,156
4 Claims. (Cl. 73—339)



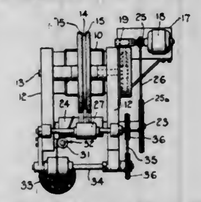
1. A thermometer holder for a mercury-in-glass thermometer comprising a plate member adapted to underlie the stem of the thermometer, a bulb-receiving sleeve positioned on the plate member adjacent one end thereof, a second sleeve positioned adjacent the opposite end of the plate member and adapted to house the opposite end of the thermometer, said last named sleeve being provided with means for resiliently urging the bulb into said first named sleeve, a pair of upstanding lugs on the plate member adapted to shield the sides of said bulb-receiving sleeve from stray air currents, said lugs extending beyond the end of the plate member and being formed into resilient tines adapted to engage a tubular surface of a heat exchanger.

2,252,388
TABBING, GLUING, AND FOLDING MACHINE
Melvin H. Sidebotham, West Newton, Mass., assignor of one-half to Harlow M. Russell, Chelsea, Mass.
Application May 11, 1939, Serial No. 273,027
9 Claims. (Cl. 93—36)

1. In a machine for making and affixing reenforcing tabs to sheets of material, a conveyor for advancing sheets singly and successively, a member carrying a web of tab material; tab forming means comprising a die cutting unit having scoring, punching and web severing devices; means for advancing the tabs singly and successively, a tab applying wheel having prongs on the periphery thereof to engage each tab as it is advanced, means for rotating the wheel to deliver the tabs in superposed position upon the sheets, mechanism within said wheel to release the tab engaging means, and pressing rollers for pressing the tabs against the sheets.

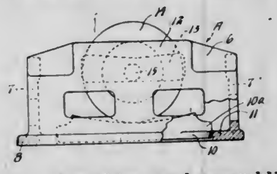


2,252,389
METHOD OF AND MACHINE FOR MAKING RUBBER THREAD
Gerhard Vincke, New York, N. Y., assignor to Harry H. Straus, New York, N. Y.
Application January 22, 1938, Serial No. 186,275
14 Claims. (Cl. 18—8)



12. In a machine for making threads from a film of rubber, the combination of a rotatable stripping cylinder adapted to receive a film of rubber on its surface under tension, means for withdrawing the film laterally in thread form from the stripping cylinder, and means for driving the stripping cylinder and said last-named means at substantially the same speed.

2,252,390
PROCESS FOR MAKING AND ASSEMBLING SIDE BEARINGS
Edwin W. Webb, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application July 5, 1940, Serial No. 344,059
1 Claim. (Cl. 29—148.4)



The process of making and assembling a side bearing which consists in casting an open topped housing with slightly outwardly bowed opposite side walls, and at the same time forming a pin

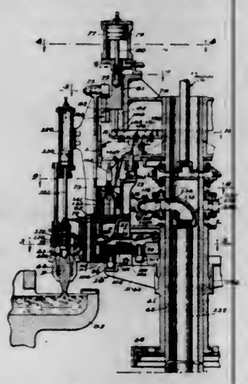
receiving way in one of said side walls, inserting a tread plate within the housing to rest on the lower portion thereof while the side walls are still bowed, thereafter inserting within the housing a roller carrying a pin projecting beyond one side thereof and thereafter straightening said side walls to force the pin of said roller into said way to confine the pin therein and thereby cause the parts of the side bearing to be held in assembled relation.

2,252,391

GLASS BLOWING MACHINE

Joseph P. Benoit, Russell G. Allen, and Luther H. Wideman, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application December 17, 1938, Serial No. 246,334
6 Claims. (Cl. 49—5)



1. A machine for forming hollow glass articles, comprising a mold carriage, means for rotating it about a vertical axis, dip heads on the carriage, parison molds carried by the dip heads, each comprising a body blank mold and a neck mold, mechanism on each dip head for opening the body mold, mechanism on each dip head for opening the neck mold, a stationary horizontally disposed cam plate, cam tracks thereon, cam rolls individual to said mold opening mechanisms and running respectively on said tracks, means for lowering the dip heads and thereby bringing the molds to a charge-receiving position, said cam plate having a portion cut away to permit lowering of said mechanisms, and means for holding the molds closed while traversing said cut-away portion and out of the control of said cam tracks, said last mentioned means including a latch for holding the neck mold closed, and means actuated by the opening movement of the body blank mold to release said latch.

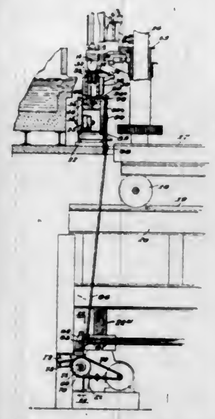
2,252,392

GLASS SHEARING MECHANISM

Joseph P. Benoit, Russell G. Allen, and Luther H. Wideman, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application February 16, 1939, Serial No. 256,708
14 Claims. (Cl. 49—14)

1. Apparatus for forming glass articles comprising a mold carriage mounted for horizontal rotation, a mold thereon, a cutter mounted independently of the mold carriage, means for actuating the cutter for severing mold charges, means for adjusting the mold carriage and mold up and down, and automatic mechanism interconnected with said mold carriage adjusting means and the cutter for automatically adjusting the cutter up and down with the mold carriage and thereby maintaining a constant rela-



tive position of the mold and cutter during said adjustment.

2,252,393

COMPLEX ESTERS AND PROCESSES OF PRODUCING SAME

Theodore F. Bradley and William B. Johnston, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 12, 1939, Serial No. 294,485
10 Claims. (Cl. 260—22)

1. The reaction product of dibutyl fumarate and dipentene.

5. A process for the production of ester condensation products which comprises heating to reaction temperatures a mixture containing a non-conjugated terpene hydrocarbon of the $C_{10}H_{16}$ series and an ester of fumaric acid and an alcohol.

2,252,394

CURING SURFACE COVERING MATERIALS

Coleman R. Caryl, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 28, 1939, Serial No. 301,795
6 Claims. (Cl. 106—264)

1. In a process of curing a surface covering composition including a siccative material selected from the group consisting of drying oils and drying oil modified polyhydric alcohol-polybasic acid resins, the step which comprises adding to such a composition a water-insoluble metal cyanamide which is substantially stable in the presence of water.

2,252,395

RADIO ANTENNA FOR AUTOMOBILES

Joseph H. Cohen, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application March 25, 1937, Serial No. 132,991
6 Claims. (Cl. 250—33)

1. A combined fender guide and radio antenna comprising a metal staff adapted to carry a target near its top; a metal fender clamp; a connection between said clamp and the staff including means and the cutter for automatically adjust-

liner secured in said socket and within which liner is secured the lower end of the staff; and



a terminal having a conductor to connect the staff as an antenna to a radio receiver, said terminal being confined in the socket by the liner.

2,252,396

SURFACE COVERING MATERIAL MANUFACTURE

Walter W. Durant, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1939, Serial No. 306,898
4 Claims. (Cl. 106—264)

1. In a process of curing a surface covering composition including a siccative material selected from the group consisting of drying oils and drying oil modified polyhydric alcohol-polycarboxylic acid resins, the step which comprises adding to such a composition a guanide.

2,252,397

ACCELERATION OF THE CURING OF SURFACE COVERING MATERIALS

Walter W. Durant, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1939, Serial No. 306,899
4 Claims. (Cl. 106—264)

1. In a process of curing a surface covering composition including a siccative material selected from the group consisting of drying oils and drying oil modified polyhydric alcohol-polycarboxylic acid resins, the step which comprises adding to such a composition a guanidine salt.

2,252,398

METHOD OF CURING SURFACE COVERING MATERIALS

Walter W. Durant, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1939, Serial No. 306,901
4 Claims. (Cl. 106—264)

1. In a process of curing a surface covering composition including a siccative material selected from the group consisting of drying oils and drying oil modified polyhydric alcohol-polycarboxylic acid resins, the step which comprises adding to such a composition a salt of guanyl urea.

2,252,399

SURFACE COVERING MATERIAL

Walter W. Durant, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 30, 1939, Serial No. 306,902
3 Claims. (Cl. 106—264)

1. In a process of curing a surface covering composition including a siccative material selected from the group consisting of drying oils and drying oil modified polyhydric alcohol-polycarboxylic acid resins, the step which comprises adding to such a composition an unsaturated nitrile.

2,252,400

PRODUCTION OF GUANIDINE NITRATE

William H. Hill, Mount Lebanon, Pa., and Robert C. Swain, Riverside, and Joseph H. Paden, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 29, 1940, Serial No. 363,306
7 Claims. (Cl. 260—564)

1. A method for the manufacture of guanidine nitrate which comprises heating, at a temperature between about 120° C. and the decomposition temperature of guanidine nitrate and under the corresponding autogenic pressure, a solution of a member of the group consisting of cyanamide and dicyandiamide in a solvent comprising essentially liquid ammonia in the presence of a nitrate ion capable of combining with guanidine to form a stable guanidine salt.

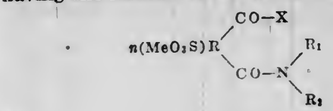
2,252,401

AMINE DERIVATIVES OF SULPHODICARBOXYLIC ACIDS

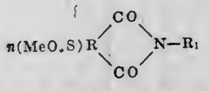
Alphons O. Jaeger, Mount Lebanon, Pa., assignor to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original application April 15, 1937, Serial No. 137,028. Divided and this application April 23, 1938, Serial No. 203,817
9 Claims. (Cl. 260—326)

1. Amine derivatives of aliphatic sulphodicarboxylic acids, said derivatives consisting of those having the formula of the group consisting of

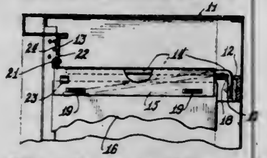


and



wherein R is the residue of an aliphatic dicarboxylic acid, R_1 and R_2 are members of the group consisting of hydrogen and monovalent amine forming radicals, and —CO—X is a radical taken from the group consisting of carboxyl and salts and esters thereof, and in which n is an integer not greater than 2, and Me is a member of the group consisting of hydrogen and salt-forming radicals.

2,252,402
FILING EQUIPMENT
Emil Kern, Long Island City, N. Y., assignor to Acco Products, Inc., Long Island City, N. Y., a corporation of New York
Original application December 31, 1938, Serial No. 248,693. Divided and this application October 18, 1939, Serial No. 299,950
6 Claims. (Cl. 45—2)

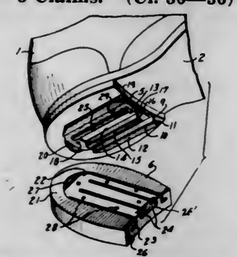


1. In a filing device, a filing unit comprising, in combination, a support, an arm mounted for pivotal movement on said support, a suspension member slidably supported on said arm having means adapted to secure sheets or the like thereto, a second support, and means on one end of the member to engage said second support.

2,252,403
METHOD OF PRODUCING PHYTOLIPASES POOR IN TOXIC ALBUMINS
Ernst Waldschmidt-Leitz and Ottomar Neumann, Prague, Czechoslovakia, assignors to August Karreth, acting under the firm: Luitpold-Werk, Chemisch-pharmazeutische Fabrik, Munich, Germany
No Drawing. Application March 7, 1938, Serial No. 194,402. In Germany March 4, 1937
12 Claims. (Cl. 195—65)

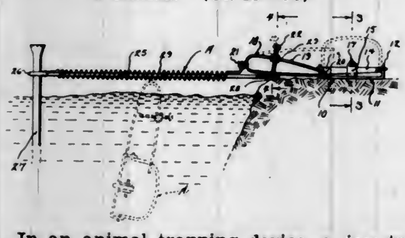
8. A method of producing phytolipases effectively free of toxic albumins, which comprises treating oil emulsions containing the phytolipases and toxic albumins with an aqueous solution of a water soluble salt of an organic acid having 4 or more carbon atoms in the molecule selected from the group consisting of isovaleric, ricinoleic, caprylic, lauric, gluconic, acrylic, tiglic, malonic, succinic, glutaric, fumaric, citric, benzoic, salicylic, orthonitrobenzoic, paraoxybenzoic, gallic, mandelic, cinnamic, hippuric, and nicotinic acids until the toxic albumins to be removed separate out from the phytolipases in the aqueous medium, and separating the aqueous medium from the mixture to remove said toxic albumins.

2,252,404
REPLACEABLE HEEL
Max Mauser, Kansas City, Mo.
Application September 9, 1939, Serial No. 294,160
3 Claims. (Cl. 36—36)



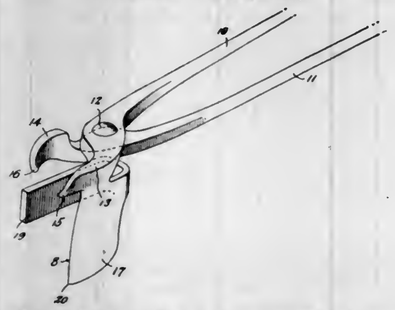
1. A detachable heel structure including a holder adapted to be permanently secured to the heel tap of footwear, the holder having on each side of and adjacent to the median line thereof downwardly projecting substantially parallel spaced guide members carrying lateral projections, downwardly projecting parallel guide members on the sides of the holder, lateral projections on the last named guide members located adjacent the periphery of the heel tap, downwardly projecting stops at the forward and rear edges of said holder, a detachable heel member provided with grooves spaced to align with the guide members on the holder, said grooves opening outwardly on the forward edge of said heel member and being of a length corresponding substantially to the length of the laterally projecting guides on the holder and terminating short of the rear edge of the heel to form stops cooperating with a recess in the forward edge of the heel member for receiving the stop on the forward edge of the holder for locating the heel member in relation to the heel tap, and means in the heel member engaging the stop at the rear edge of the holder for preventing forward compression of the heel member.

2,252,405
ANIMAL TRAPPING DEVICE
Leo F. Navin, Hartland, Wis.
Application March 15, 1940, Serial No. 324,137
3 Claims. (Cl. 43—96)



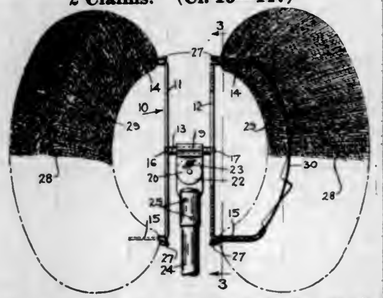
1. In an animal trapping device, a jaw trap, a rigidly anchored member, means rigidly holding the trap spaced from the anchored member upon the setting of the trap, and means set in operation by the actuation of the trap by an animal for forcibly moving the trap and the captured animal toward the anchor.

2,252,406
DRUM OPENING TOOL
James D. O'Brien, Brooklyn, N. Y.
Application August 4, 1939, Serial No. 288,341
5 Claims. (Cl. 30—22)



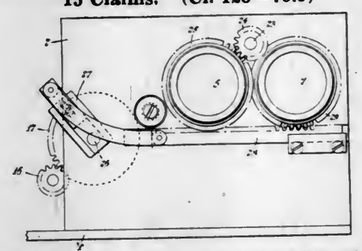
1. A tool for opening heavy metallic drums of the type having ends secured to the body by a beaded rim, said tool including a pair of pivotally connected crossed members providing a pair of handles on one side of the pivotal connection and a pair of jaws on the opposite side thereof, said jaws adapted to grip the opposite sides of the beaded rim of the drum to fulcrum the tool on an axis perpendicular to the axis of the pivotal connection between said members, and a cutting blade carried by and depending from one jaw and provided with a reversely directed laterally spaced guide finger adapted to engage the outer side of the bead for guiding the cutting blade when the handles are swung downwardly from an upright position with reference to the drum.

2,252,407
DRY MOP
Frederick Preisser, Plainville, Conn.
Application August 13, 1938, Serial No. 224,779
2 Claims. (Cl. 15—147)



1. In a dry mop, a substantially H-shaped frame having oppositely extending side leg members of U-shaped configuration, a pair of detachable duster units connected to the arms of said leg members respectively and having loose unsupported limp central sections, hooks being formed at the corners of said leg members, said duster units having eyelet holes to fit over said hooks.

2,252,408
ORTHOPTIC INSTRUMENT
Alexander J. Radin, Brooklyn, N. Y.
Application September 21, 1940, Serial No. 357,731
15 Claims. (Cl. 128—76.5)



9. In an optical system, a plurality of lenses including an eyepiece and an objective, a mechanism for transmitting energy from without the optical system to rotate one of said lenses, and rack and pinion means associated with said mechanism and acting in phase therewith for harmonically rotating a second lens.

2,252,409
SOLDER
August H. Riesmeyer, Arnold, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 29, 1939 Serial No. 311,597
3 Claims. (Cl. 75—175)

1. A solder composition consisting of 2.5 to 10 per cent zinc, 0.1 to 0.5 per cent nickel, and the balance tin.

2,252,410
SOLDER
August H. Riesmeyer, Arnold, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 29, 1939, Serial No. 311,598
3 Claims. (Cl. 75—175)

1. A solder composition consisting of 2.5 to 10 per cent zinc, 0.5 to 4 per cent cadmium, 0.1 to 0.5 per cent nickel, and the balance tin.

2,252,411
SOLDER
August H. Riesmeyer, Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application December 29, 1939, Serial No. 311,598. Divided and this application January 15, 1941, Serial No. 374,475
3 Claims. (Cl. 75—175)

1. A solder composition consisting of 2.5 to 10 per cent zinc, 0.5 to 4 per cent, cadmium, 0.05 to 0.5 per cent manganese, and the balance tin.

2,252,412
SOLDER
August H. Riesmeyer, Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application December 29, 1939, Serial No. 311,598. Divided and this application January 15, 1941, Serial No. 374,476
3 Claims. (Cl. 75—175)

1. A solder composition consisting of 2.5 to 10 per cent zinc, 0.5 to 4 per cent cadmium, 0.1 to 0.5 per cent nickel, 0.05 to 0.5 per cent manganese, and the balance tin.

2,252,413
SOLDER
August H. Riesmeyer, Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application December 29, 1939, Serial No. 311,597. Divided and this application January 15, 1941, Serial No. 374,593
3 Claims. (Cl. 75—175)

1. A solder composition consisting of 2.5 to 10 per cent zinc, 0.05 to 0.5 per cent manganese, and the balance tin.

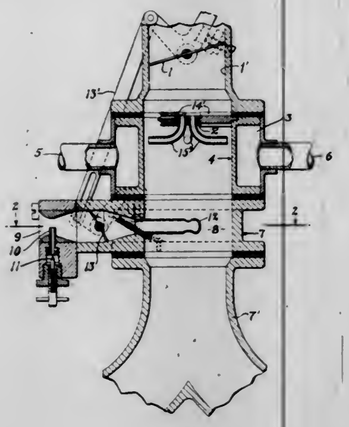
2,252,414
SOLDER
August H. Riesmeyer, Collinsville, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application December 29, 1939, Serial No. 311,597. Divided and this application January 15, 1941, Serial No. 374,594
3 Claims. (Cl. 75—175)

1. A solder composition consisting of 2.5 to 10 per cent zinc, 0.1 to 0.5 per cent nickel, 0.05 to 0.5 per cent manganese, and the balance tin.

2,252,415
PROCESS AND APPARATUS FOR PROVIDING INTERNAL COMBUSTION ENGINES WITH EXPLOSIVE CHARGES
Alfred Schwarz, Ridgewood, N. J., assignor to Automotive Economy Corporation, Jersey City, N. J., a corporation of Delaware
Application March 4, 1939, Serial No. 259,806
3 Claims. (Cl. 123—127)

1. The method of supplying an explosive

charge to an internal combustion engine which comprises, mixing a relatively low compression fuel with air to form an air stream of said mixture, passing said air stream against a heated surface to further vaporize the same and thereafter mixing with said vaporized mixture a mixture containing a partial fuel and a partial anti-



knock value and having a heat absorbing characteristic, to thereby substantially reduce the temperature of said vaporized fuel mixture and provide a resultant charge having increased volumetric efficiency and anti-knock characteristics, and introducing said charge into the explosion chambers of an internal combustion engine.

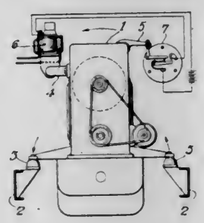
2,252,416

TORQUE CONTROLLED MECHANISM

Alfred Schwarz, Ridgewood, N. J., assignor to Automotive Economy Corporation, Jersey City, N. J., a corporation of Delaware

Application July 23, 1940, Serial No. 346,901

10 Claims. (Cl. 123—127)



1. In combination, motive means, mounting means for said motive means, said motive means and said mounting means being so constructed and arranged that upon operation said motive means has a definite movement on said mounting means when a substantial torque load is present, said motive means having a fuel supply device constructed and arranged so as to mix a base fuel and an auxiliary fuel, means for controlling the supply of auxiliary fuel to said mixing device, and means actuated by the movement of said motive means for operating said control means.

2,252,417

SHOE

Arthur C. Sewall, Auburn, Maine

Application November 17, 1938, Serial No. 240,982

44 Claims. (Cl. 12—146)



1. An insole having at its rearward end portion a sheet of relatively stiff material forming an exposed surface of the insole at at least one side thereof, an exposed sheet of relatively flexible rubber impregnated fibrous material, capable of being rendered adhesive by application of wet latex, at a side of the insole at which said sheet of relatively stiff material is exposed extending from the forward end portion of the last mentioned sheet to the forward end of the insole, an exposed sheet of relatively stiff material at the forward end of the insole cemented to the side of said sheet of relatively flexible rubber impregnated material opposite the exposed side thereof, a second exposed sheet of relatively flexible material cemented to the same side of said sheet of rubber impregnated material as said last mentioned sheet of relatively stiff material and extending rearwardly from the rearward end portion of the latter over at least the ball portion of the insole, the portions of said insole between the adjacent edges of said sheets of relatively stiff material, including at least substantially the entire ball portion, being formed of said two sheets of relatively flexible material.

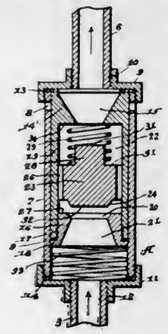
2,252,418

RELEASE VALVE MECHANISM

Clinton K. Shelley, Bonners Ferry, Idaho

Application May 2, 1939, Serial No. 271,249

4 Claims. (Cl. 277—45)



1. A quick release valve mechanism, comprising a cylindrical housing having an inlet and an outlet connection for pressure fluid and provided with exhaust ports near said outlet connection, a release piston slidable in said housing for controlling said exhaust ports and having a passage bore for passage therethrough of fluid pressure from said inlet to said outlet connection, a piston actuating valve closure in said passage bore having oppositely disposed pressure engageable faces for causing shifting movement of said piston into exhaust closing or opening positions, said closure being in peripheral engagement with said bore for sliding movement lengthwise thereof independently of said piston and having peripheral by-pass ports for normal passage of pressure fluid past said closure when the latter is un-seated, said bore having a valve seat for coaction with said closure to close said bore and said by-pass ports when said closure is seated, and an expansively acting spring interposed between said closure and a portion of said bore and acting with recoil pressure on one face of said closure to seat the latter when pressure on the inlet side of said piston is reduced to shift said piston into an exhaust opening position, and said spring serving to yieldingly shift said piston into an exhaust closing position when incoming pressure on the remaining face of said closure un-seats the latter.

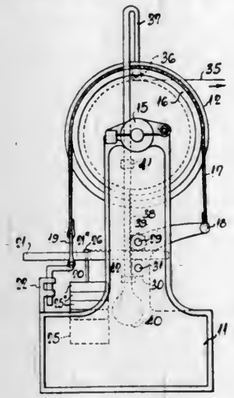
2,252,419

AUTOMATIC TENSION CONTROL

Philip H. Slaughter, Davidson, N. C., assignor of forty-nine per cent to John F. Degener, III, Charlotte, N. C.

Application August 1, 1938, Serial No. 222,542

8 Claims. (Cl. 242—75)



7. In mechanism for maintaining a constant tension on a web extending from a web roll wound on a beam, friction means on one end of the beam, other friction means frictionally engaging the first friction means, means for applying pressure to the second friction means to move the second friction means against the first friction means, comprising a member engaging the web on the beam, a slidably mounted lever having a pressure applying means engaging an intermediate portion thereof, one end of the lever being slidably and operatively connected to the second friction means, an operative connection between the other end of the lever and the member engaging the web, the operative connection between the member engaging the web and the lever serving to move the lever in proportion to the increase or decrease of size of the web roll to thereby vary the distance between the point where pressure is applied to the lever and the point where the lever engages the second friction means to vary the amount of friction present between the two friction means.

2,252,420

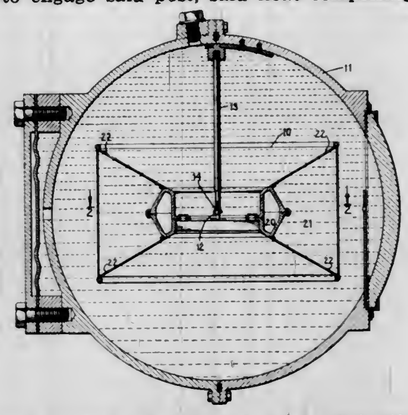
FLOAT

Elmer A. Sperry, Jr., Brooklyn, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application January 5, 1938, Serial No. 183,550

7 Claims. (Cl. 33—223)

1. In a device of the character described, a container having liquid therein, a pivot post supported by said container, a float adapted to be immersed in said liquid and having a pivot adapted to engage said post, said float comprising a



sealed buoyant chamber and a substantially closed chamber filled with said liquid.

2,252,421

ALLOY

Philip T. Stroup, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application August 2, 1939, Serial No. 288,032

3 Claims. (Cl. 75—138)

1. Aluminum conductor metal containing from 0.01 to 0.5 per cent of boron and from 0.01 to 1 per cent total of at least one of the group of impurities consisting of chromium, titanium, zirconium, vanadium, and molybdenum, said conductor metal being characterized by having an electrical conductivity greater than of the same metal devoid of boron.

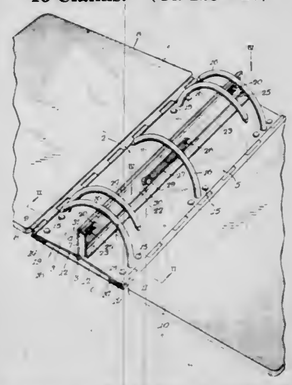
2,252,422

LOOSE-LEAF BINDER

Paul O. Unger, Elmhurst, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts

Application June 7, 1937, Serial No. 146,749

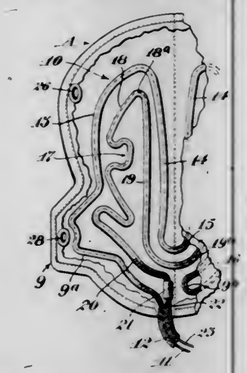
15 Claims. (Cl. 129—17)



1. In a loose leaf binder, a pair of L-shaped angle case members having a pair of juxtaposed upstanding walls and a pair of walls each integral with one of said upstanding walls and extending at an angle of slightly more than ninety degrees

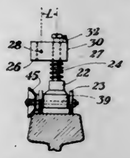
to its upstanding wall, said angle case members being hinged together at the intersection of said angles.

2,252,423
FACIAL MASK
Joseph S. Baddour, Los Angeles, Calif.
Application August 29, 1938, Serial No. 227,315
1 Claim. (Cl. 219—46)



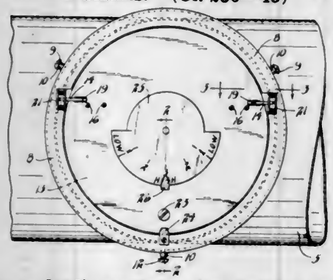
In a mask structure of the kind described, a conducting cord directed over a sinuous course throughout the mask and thereby positioned to heat the face and neck of the patient when the mask is applied, said cord having two only of downwardly directed loops which cross the lower portion of the median line of the mask, there being a plurality of additional runs of the cord subjacent to said crossing portions of said loops whereby front and side portions of the neck of the patient are additionally supplied with heat, said plurality of additional runs leaving the mid-width line of the mask unobstructed.

2,252,424
RAIL FLAW DETECTOR MECHANISM
Julian H. Bigelow, Brooklyn, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application July 30, 1937, Serial No. 156,465
5 Claims. (Cl. 175—183)



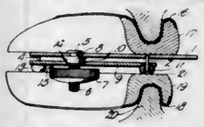
1. In a flaw detector for rails, a support adapted to travel along the rail, a carriage adapted to travel along the rail and having means for contacting the gage side of the rail, a detector mechanism mounted on said carriage, means for mounting said carriage on said support, said last-named means including a bolt connected at its lower end to said carriage and extending upwardly a, block engaging the upper end of said bolt, said block being pivotally mounted on said support for movement about an axis offset from the vertical axis of said bolt in a direction transverse of the rail, and means for moving said block around said pivotal axis in a direction to cause said contacting means to engage the gage side of the railhead.

2,252,425
DRAFT CONTROL DEVICE
Clarence A. Crooker, Mankato, Minn.
Application October 29, 1937, Serial No. 171,731
4 Claims. (Cl. 236—45)



1. In a draft regulator for furnace flues and the like, a section of stove pipe having an outwardly flared end, a ring adapted to fit around said flared end, ring retaining elements secured to said ring and extending behind said flared end in spaced relation to said pipe to permit rotation of said ring relative to the pipe, a disk like valve element within said ring and spaced therefrom, oppositely disposed pivot pins extending through said valve element from the rear face thereof and laterally from the front face thereof in off-center relation thereto, means mounted on the rear face of said valve for adjustably retaining said pivot pins, and bearings on the outer face of said ring for pivotally supporting said pivot pins and valve.

2,252,426
DEVICE FOR LOCATING THE OCCLUSAL PLANE
Ben F. Gifford, St. Joseph, Mo.
Application December 22, 1939, Serial No. 310,606
3 Claims. (Cl. 32—19)

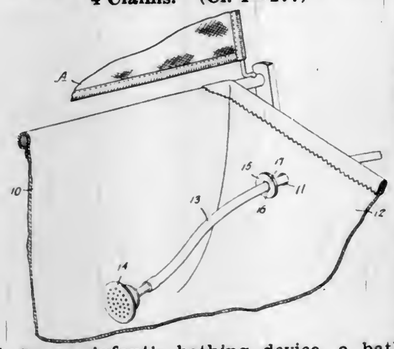


1. A device for locating the occlusal surface in the building of artificial dentures, comprising in combination an upper plate adapted to be supported in a patient's mouth by the upper jaw, a plurality of pins supported by said plate, a lower plate, means for mounting said lower plate for movement with respect to said upper plate around longitudinal and transverse axes, a plurality of bearing members secured to said lower plate, said bearing members being adapted to rest upon the occlusal surface being located, said bearing members being formed with bores, said pins projecting through said bores, the construction being such that, upon the tilting of said lower plate with respect to said upper plate said pins may project through said bores and contact the occlusal surface.

2,252,427
METHOD OF PRODUCING SIZED CERAMIC PRODUCTS
Earnest T. Hermann, El Segundo, Calif.
No Drawing. Application January 19, 1939, Serial No. 251,796
5 Claims. (Cl. 25—156)

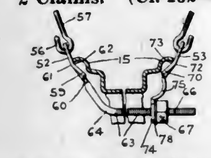
3. The method of forming sized ceramic particles which comprises: forming a plastic mass of argillaceous material; subjecting said mass to a shaving operation to form a plurality of discrete plastic particles of filamentary shape having at least two dimensions approximating the size of particle desired and a third dimension greater than the desired size; subjecting said plastic particles to a firing operation to cause an at least partial vitrification thereof and form discrete ceramic particles therefrom; subjecting said ceramic particles to a crushing operation whereby said third dimension of said particles is reduced to approximately the desired size.

2,252,428
INFANT'S BATHING DEVICE AND FILLING HOSE AND SPRAY ACCESSORY THEREFOR
Dewey M. Kennedy, Rochester, and Benjamin H. Kennedy, Pittsford, N. Y.
Application May 16, 1939, Serial No. 273,944
4 Claims. (Cl. 4—177)



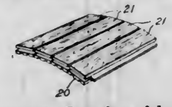
1. In an infant's bathing device, a bathtub provided with a guide means associated with a wall thereof, a hose trained through said guide means with one end thereof protruding into the tub and the opposite end adapted to be connected to a source of water supply, a spray nozzle on the end of said hose protruding into said tub, and an elastic radially and inwardly contractible collar having an apertured portion provided with a toothed gripping surface embracing the hose and disposed thereon between the said wall of the tub and the nozzle and over which hose the collar is slidable to any desired position in relation to the nozzle and which toothed surface grippingly engages the hose by the contractile action of the collar to provide a stop when positioned against the guide means for retaining the nozzle in adjusted spaced relation therewith against the action of the water flowing through the hose.

2,252,429
EMERGENCY TIRE CHAIN
Joseph N. Kirton, Yonkers, N. Y.
Application October 24, 1939, Serial No. 300,967
2 Claims. (Cl. 152—237)



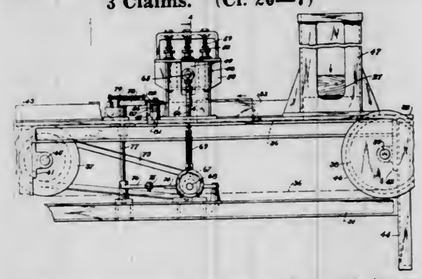
1. In an emergency tire chain, a rear plate for engaging the rim of the wheel behind the tire and having a small integral threaded bar extending through the central part of the wheel within said rim, a front plate for engaging said rim in front of the tire, said front plate having a reduced neck portion extending therefrom and located out of contact with said rim, said neck portion and front plate having a pair of spaced apertures respectively through which said threaded bar may be selectively passed, a plurality of cross chains for connecting the outer sides of said plates, and nut means on the outside of said front plate to lock it to said bar.

2,252,430
COMPOSITE FLOORING PRODUCT
Arthur Klammt, New York, N. Y., assignor to W. M. Ritter Lumber Company, a corporation of West Virginia
Application July 23, 1938, Serial No. 220,845
6 Claims. (Cl. 20—8)



1. In a parquet flooring block, a plurality of tongued and grooved slats secured together in tongue and groove relation, the adjacent edges of said slats above said tongues and grooves comprising zones in which said slats may abut each other, and a film of permanently resilient adhesive flexibly securing said slats together, said film lying in spaces between said slats below the lower extremities of said zones.

2,252,431
METHOD OF PRODUCING AND LAYING FLOORING PRODUCTS
Arthur Klammt, New York, N. Y., assignor to W. M. Ritter Lumber Company, a corporation of West Virginia
Original application July 23, 1938, Serial No. 220,845. Divided and this application February 7, 1939, Serial No. 254,988
3 Claims. (Cl. 20—7)

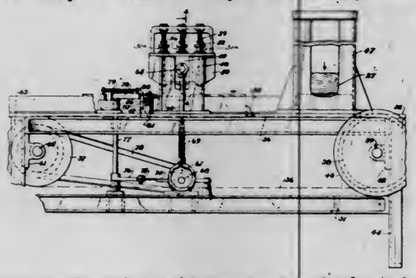


1. That method of laying a floor of tongued and grooved wood strips which comprises applying a layer of cold aqueous dispersion of rubber to a supporting surface, securing said strips together by applying spots of flexible adhesive to the tongues thereof and inserting same in the grooves to form a series of flexible hinged strips, pressing said hinged strips into adhesion with said layer while the latter is fresh, and allowing said dispersion to set.

2,252,432
ADHESIVE APPLYING APPARATUS
Arthur Klammt, New York, N. Y., assignor to W. M. Ritter Lumber Company, a corporation of West Virginia
Original application July 23, 1938, Serial No. 220,845. Divided and this application February 7, 1939, Serial No. 254,989
5 Claims. (Cl. 144—280)

1. In a spotting machine for flooring slats,

in combination, a conveyor adapted to move said slats longitudinally with longitudinal edge surfaces thereof directed upwardly, means to drive said conveyor, a hopper adapted to feed said slats successively to said conveyor in said position,



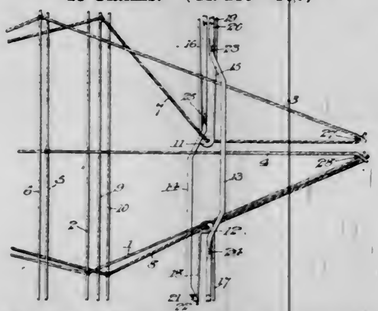
means overhanging said conveyor and adapted to apply a plurality of spaced spots of adhesive to said longitudinal edge surface of each of said moving slats, and means operable by said driving means and controllable successively by each of said moving slats to actuate said spotting means.

2,252,433

PILE FABRIC AND METHOD FOR PRODUCING THE SAME

Fritz Koch, Derby, Conn., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a corporation of New York

Application March 14, 1940, Serial No. 323,867
15 Claims. (Cl. 139—397)



1. A pile fabric comprising, ground warp threads, ground weft threads and pile tufts, certain of the warp threads being interwoven so as to extend angularly in a combined weft-wise and warp-wise direction over the bights of the pile tufts on the back of the fabric and to underlie weft threads intermediate the pile tufts.

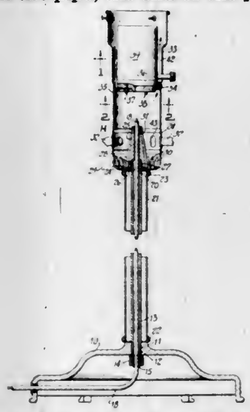
2,252,434

PORTABLE LAMP

William F. Little, Yonkers, N. Y., assignor to Electrical Testing Laboratories, New York, N. Y., a corporation of New York

Application August 26, 1939, Serial No. 292,046
9 Claims. (Cl. 240—81)

1. In a portable lamp, an upwardly extending pipe for current supply wires having a threaded upper end, and a head having a sheet metal body with a central hole in the bottom larger than the outside diameter of the pipe, and a plurality of ventilation openings about the central hole, and a coaxial tubular coupling member whose lower end is non-rotatably secured to the body, the coupling extending above said hole and having a stepped bore with a downwardly facing shoulder and a downwardly opening socket having a plurality of threads in engagement with the threads on the pipe, the end of the pipe engaging



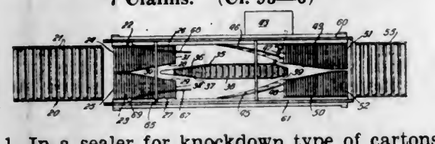
the shoulder, the small diameter part of the bore forming a wire protecting passageway above the end of the pipe.

2,252,435

CARTON SEALING MEANS

Tracy H. Lust, Oak Park, Ill., assignor to Armstrong Paint & Varnish Works, a corporation of Illinois

Application May 20, 1940, Serial No. 336,092
7 Claims. (Cl. 93—6)



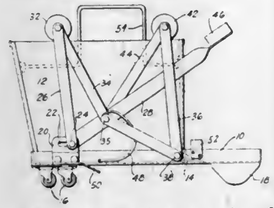
1. In a sealer for knockdown type of cartons, each carton having four bottom flaps normally projecting in line with the sides and adapted to have first an inner opposed pair of flaps folded into sealing position and then to have the outer pair of flaps folded into sealing position, the combination of a first conveyor having receiving and discharge ends and upon which said carton is supported for travel, said carton being positioned so that the outer flaps have their edges parallel to the line of motion of said carton, said conveyor having means at the discharge end for supporting said carton bottom along two spaced regions parallel to the line of carton travel and leaving a central intermediate region free of all support, a second conveyor having receiving and discharge ends, said second conveyor having its receiving end overlapping the discharge end of the first conveyor, said second conveyor having means for supporting said carton only along the central intermediate region leaving said outer flaps free to open up in response to the normal spring of the carton material, means for applying adhesive to the surfaces of at least one pair of said flaps while the carton is supported on said second conveyor, a third conveyor having receiving and discharge ends, said third conveyor having its receiving end overlapping the discharge end of said second conveyor, said third conveyor having means at its receiving end for supporting said carton bottom along spaced regions in a manner similar to that at the discharge end of the first conveyor, and means for folding the outer flaps of said carton bottom into sealed position.

2,252,436

MOP WRINGER AND BUCKET UNIT

Harry C. MacGraham, Wellesley Hills, Mass.

Application January 31, 1940, Serial No. 316,555
1 Claim. (Cl. 15—262)



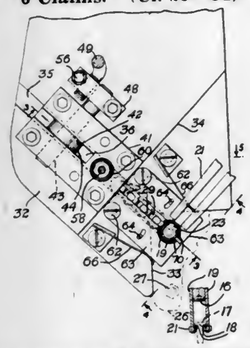
In a mop wringer having a pair of squeezing rollers and, for moving the rollers together and apart, having a pedal lever, and linkage on each side of the wringer having angular linkage-peaks journalling the rollers; that improvement wherein there is a floor frame base for holding a water-container under the rollers, and on that base, at forward and rearward corners of the container space, are pins respectively mounting the forward and rearward outer links of the peaks; and wherein said lever has its pedal forward, with beam extending aft on both sides of the wringer and fulcrumed aft on the base frame; those links which constitute the inner slopes of the said angular peaks being connected to said lever beside a middle portion of the container space; whereby each angular peak has outer supports which are spread apart at the floor, and, for the squeezing, the rollers have substantially horizontal movements in opposite directions actuated by tensile forces which are substantially rectilinear from the pedal lever to the axle of each roller.

2,252,437

ASSEMBLING APPARATUS

Lawrence McLaughlin, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 26, 1939, Serial No. 286,516
6 Claims. (Cl. 29—84)



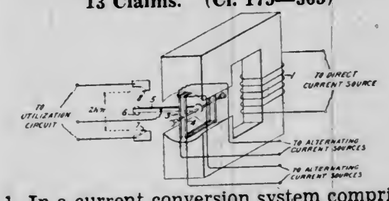
6. In an apparatus for advancing to a predetermined position a plurality of abutting sets of superimposed circular washers, a slideway for receiving sets of washers, a slide in said slideway for advancing therefrom sets of washers in succession, and yieldable members each having inwardly diverging slideways upon which the sets of washers are advanced, said members having opposed indentations at the predetermined position to permit the removal of the sets of washers along a line coincident with their axes from between the yieldable members, said slideways in the members terminating beyond the center of the washers and tapering into the opposed peripheral surfaces of the indentations when the washers are between the indentations whereby the washers are positively but lightly supported thereat upon the slideways.

2,252,438

MECHANICAL CURRENT RECTIFIER AND CONVERTER

Waldemar Petersen, Berlin, and Herbert Gumprecht, Berlin-Schoneberg, Germany, assignors to General Electric Company, a corporation of New York

Application July 26, 1939, Serial No. 286,722
In Germany July 28, 1938
13 Claims. (Cl. 175—365)



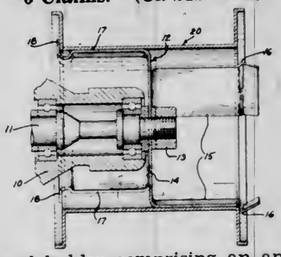
1. In a current conversion system comprising a vibrator apparatus having a fixed contact and a movable contact adapted to be engaged therewith, a driving means for said movable contact, and a source of alternating current for actuating said driving means, the method of operation which includes accelerating said movable contact by one half-wave of said actuating current from an initial rest position to a position intermediate said rest position and said fixed contact, decelerating said movable contact by the next succeeding half-wave of said actuating current from said intermediate position to said fixed contact, and maintaining by the next succeeding half-wave of said actuating current said movable contact in engagement with said fixed contact.

2,252,439

SPOOL HOLDER

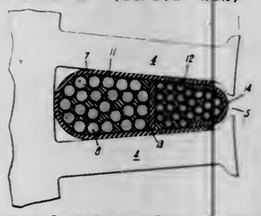
Hugh P. Ray, Mount Royal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 21, 1939, Serial No. 280,298, which is a division of application Serial No. 648,414, December 22, 1932. Divided and this application March 26, 1940, Serial No. 325,957
6 Claims. (Cl. 242—134)



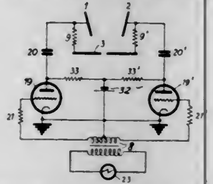
1. A spool holder comprising an annular disk portion having a plurality of integral circumferentially spaced radial arms extending therefrom, the alternate ones of said arms having portions extending substantially perpendicularly to the plane of the disk portion in one direction, and the other arms having portions extending substantially perpendicularly to the plane of the disk portion in the opposite direction.

2,252,440
DYNAMOELECTRIC MACHINE
Moyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 15, 1940, Serial No. 324,179
4 Claims. (Cl. 171—252)



1. A dynamo-electric machine having a member comprising a magnetic core and windings of an electrical conductor about said core, said conductor being provided with insulation consisting of an inner layer of a heat hardened organic enamel applied directly to said conductor and an outer layer of plasticized polyvinyl chloride, the said polyvinyl chloride layer serving to bond said windings into an integral moisture- and oil-proof mass.

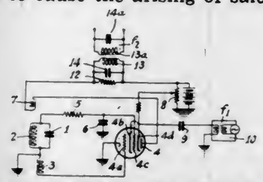
2,252,441
SHARP-EDGE DEFLECTION
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany, a company of Germany
Application April 22, 1938, Serial No. 203,487
In Germany April 26, 1937
7 Claims. (Cl. 250—27)



1. In a cathode ray tube arrangement comprising means including a cathode for producing a cathode ray, a screen, means including an anode for focusing said cathode ray on said screen, and means including a pair of deflecting plates for deflecting said cathode ray, said anode being mounted immediately adjacent to said deflecting means at their side facing said cathode and being connected to a source of constant anode potential: means for producing the effect of a common, variable positive bias applied to said deflecting plates with respect to said anode and increasing with the absolute value of the deflection of said cathode ray.

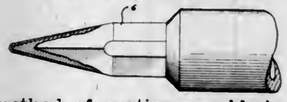
2,252,442
METHOD OF DIVIDING FREQUENCY
Kurt Schlesinger, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany, a company of Germany
Application November 5, 1938, Serial No. 239,155
In Germany March 22, 1938
5 Claims. (Cl. 250—36)

1. A frequency divider comprising a source of high frequency oscillations, a circuit tuned to a subharmonic of said high frequency, means to cause oscillations to take place in said tuned circuit at its tuned frequency, means to transform the oscillations of said circuit into impulses of a duration being substantially equal to one period of said high frequency oscillations, impulse control means to cause the arising of said impulses,



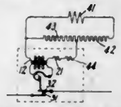
only when an oscillation of said high frequency is applied to said impulse control means, and means to excite said tuned circuit by said impulses.

2,252,443
SILVER SOLDER COATING FOR SOLDERING IRONS
Wallace W. Shipley, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 23, 1937, Serial No. 138,592
2 Claims. (Cl. 91—70.2)



1. A method of coating a soldering iron tip which comprises coating the tip with a material to prevent oxidation, coating a quantity of silver solder with a material to prevent oxidation, and heating the iron and silver solder until the silver solder melts and flows over the tip to form a coating capable of withstanding high temperatures without impairment.

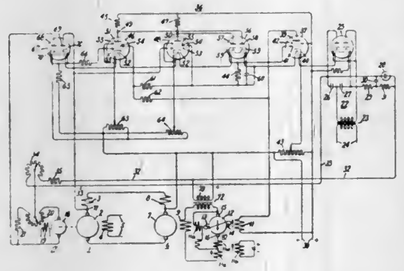
2,252,444
THERMAL RELAY
Allen G. Stimson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 28, 1940, Serial No. 321,243
10 Claims. (Cl. 175—294)



1. A thermal relay comprising an electric conductor forming a closed transformer secondary circuit, said conductor including thermally responsive means, a primary winding inductively associated with said conductor so as inductively to heat said thermally responsive means, and a heating resistance arranged to heat said thermally responsive means connected in circuit with said primary winding.

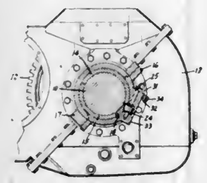
2,252,445
ELECTRIC CONTROL SYSTEM
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application June 24, 1939, Serial No. 280,924. Divided and this application July 23, 1940, Serial No. 346,902
13 Claims. (Cl. 171—312)

1. In combination, a source of current, a load circuit, a dynamo-electric machine of the armature reaction excited type having an armature winding connected to said load circuit and having a control winding, electric valve means connected between said source and said control winding for controlling the current transmitted to said load circuit, said electric valve means having a control member, an impedance element, an electronic discharge device of the controlled type for transmitting variable amounts of current from said source through said impedance element to control the voltage impressed on said control member, means for controlling the conductivity of said electronic discharge device, a



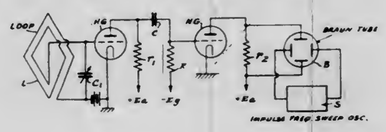
second electronic discharge device for transmitting variable amounts of unidirectional current from said source through said impedance element, a pair of unidirectional conducting paths connected between said first mentioned and said second mentioned electronic discharge devices and said impedance element for selectively deriving control from that discharge device providing the predominating control voltage, and means for controlling the electric discharge devices comprising a second pair of unidirectional conducting paths selectively responsive to two different predetermined controlling influences.

2,252,446
BEARING CONSTRUCTION
John W. Teker, Wesleyville, Pa., assignor to General Electric Company, a corporation of New York
Application March 18, 1941, Serial No. 383,952
6 Claims. (Cl. 308—237)



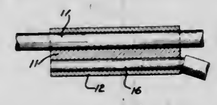
1. A bearing construction for an axle including an axle cap, a split bearing lining in said axle cap, means adjacent an edge of said split in said bearing lining for securing said bearing lining against rotation relative to said axle cap, a clamping block housing formed in said axle cap, a clamping block arranged in said housing and adapted to bias said split bearing lining toward said bearing lining securing means, and means including a clamping bolt extending through said axle cap and having a threaded engagement with said clamping block for expanding said bearing lining in said axle cap.

2,252,447
IMPULSE DIRECTION-FINDING METHOD
Günther Ulbricht, Blankenfelde Mahlow, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 11, 1938, Serial No. 190,105
In Germany February 3, 1937
4 Claims. (Cl. 250—11)



4. The combination which includes means receptive to short radio frequency impulses, means for rectifying said impulses to obtain unipotential impulses containing high order harmonics, means for obtaining derivative impulses from said high order harmonics of said rectified impulses, means for rectifying said derivative impulses, and means for visually indicating the successive occurrence of said rectified derived impulses.

2,252,448
WIRE CONNECTOR
Arden L. Van Nest, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 13, 1939, Serial No. 250,695
2 Claims. (Cl. 287—78)

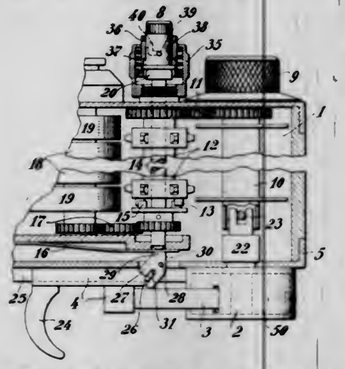


1. A wire connector comprising an inner soft metal core having a plurality of longitudinally extending grooves in its outer surface, and an outer soft metal shell completely surrounding the core and compressed into intimate contact therewith, the inner surface of said shell cooperating with said grooves to provide a plurality of separated wire received bores, said core and shell adapted to be simultaneously compressed into intimate contact with wires in said bores to provide a gas tight electrical connection therebetween.

2,252,449
RAPID SHUTTER WINDING DEVICE FOR CAMERAS
Adam Wagner, Wetzlar, Germany, assignor, by mesne assignments, to Frank Dumur, Lausanne, Switzerland
Application August 4, 1939, Serial No. 288,370
In Germany August 19, 1938
8 Claims. (Cl. 95—57)

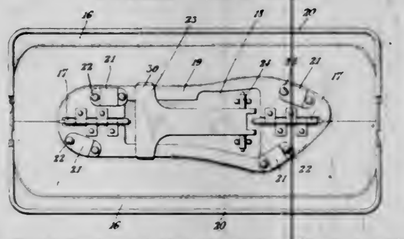
1. In a camera, a shutter, a slidable shutter release shaft, a shutter release spring, means for operatively connecting said spring to said shaft to operate said shaft to release the shutter, shutter rewinding means, a rapid winder device on said camera for operating said rewinding means, a tumbler adapted to be rotated in one direction to operatively move said release shaft to position the same in shutter non-releasing position and to tension the said spring when said rewinding means are operated and adapted to be rotated in the opposite direction to permit

said spring to actuate said release shaft to release the shutter, connections between said



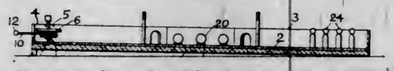
tumbler and said rapid winder device and means for operating the latter.

2,252,450
SWIMMING SHOE
Joseph Zimmer, Brooklyn, N. Y.
Application December 8, 1939, Serial No. 308,227
6 Claims. (Cl. 9—21)



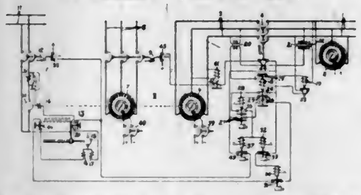
1. In a device of the class described, a swimming shoe, wings connected to the latter, and a locking member cooperating with the wings, said locking member comprising a lug fixedly secured to the bottom of the shoe, a substantially T-shaped, hollow member pivotally attached to the latter, and means disposed within said T-shaped member and adapted to engage said lug, whereby to lock the wings in a horizontal position.

2,252,451
GAME BOARD
Charles A. Anderson, New Rochelle, N. Y., assignor to Gotham Pressed Steel Corporation, Bronx, N. Y.
Application February 16, 1940, Serial No. 319,214
2 Claims. (Cl. 273—108)



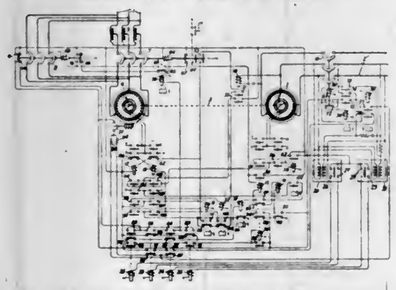
1. A game board with a top comprising an elongated base, a wall surrounding the base, transverse partitions on the base separating the base into three longitudinally arranged compartments, means at one end of the base to spin the top, the partitions having openings for the top, and tees in the middle compartment adapted to support balls, the last compartment having marked places for bowling pins, the openings in the last partition being of sufficient size to admit the balls and the top to the bowling pins.

2,252,452
CONTROL SYSTEM
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application November 16, 1938, Serial No. 240,769
14 Claims. (Cl. 171—119)



1. An arrangement for controlling the frequency of one of two alternating current circuits including means for varying the frequency of one of said circuits, and means dependent upon the duration of a slip cycle being less than a predetermined amount when the frequency of a predetermined one of said circuits is less than the frequency of the other circuit for controlling said frequency varying means so as to decrease the frequency difference between said circuits.

2,252,453
AUTOMATIC CONTROL EQUIPMENT FOR SYNCHRONOUS FREQUENCY CONVERTERS
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application December 27, 1940, Serial No. 371,909
14 Claims. (Cl. 171—118)

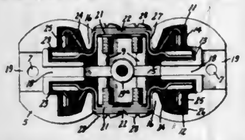


1. A control arrangement for a frequency converter having two synchronous machines respectively adapted to be connected to different energized alternating current circuits comprising means for connecting one of said machines to one of said circuits, means dependent upon the phase relation of the voltages of the other machine and the other circuit when said one of said machines is connected to said one of said circuits for periodically reversing the excitation of said one of said machines until a predetermined phase relation of said voltages is established, and means responsive to said predetermined phase relation of said voltages for connecting said other machine to said other circuit.

2,252,454
PLUG RECEPTACLE
George B. Benander, Oaklawn, R. I., assignor to The Monowatt Electric Corporation, a corporation of Connecticut
Application May 2, 1940, Serial No. 332,980
7 Claims. (Cl. 173—330)

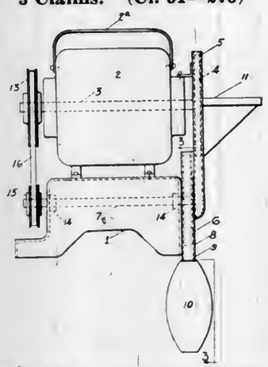
1. A duplex plug receptacle comprising a body

of insulating material having a pair of sockets at each end and T-slots in line with the sockets for the insertion of plug blades, and contact bars, each comprising two strips of material, extending longitudinally of the body in parallel relation to each other with their central portions in



flatwise engagement and with their ends in said sockets, the ends of one strip being positioned at an angle to and presenting end edges to sides of the other strip, and said ends being so located as to make contact with the blades of plugs having either parallel or tandem blades.

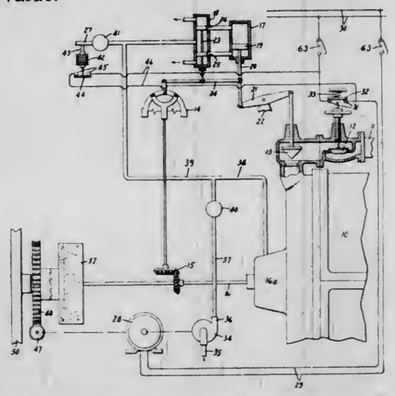
2,252,455
DUSTLESS GRINDER
Robert W. Bishel, McKees Rocks, Pa.
Application April 22, 1939, Serial No. 269,336
3 Claims. (Cl. 51—273)



1. In a grinding mechanism of the character described, in combination, a grinding wheel, a hood enclosing a portion of the grinding wheel in close relation thereto and terminating in a bottom aperture adjacent the lower peripheral portion of said wheel, a suction fan disposed below said grinding wheel, a fan chamber closely enclosing the fan and having vertically spaced inlet and outlet apertures therein to provide for unobstructed passage of air currents set in motion by said fan, a relatively short dust duct of progressively decreasing cross sectional area connecting said wheel hood aperture with the fan chamber inlet aperture, said dust duct extending substantially vertically from said wheel hood aperture to said fan chamber and having substantially smooth inner walls providing unobstructed passage of the air currents set in motion by said fan.

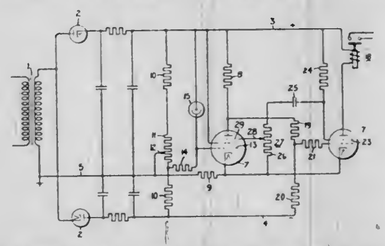
2,252,456
ELASTIC FLUID TURBINE ARRANGEMENT
Albert H. Buehman, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application April 30, 1940, Serial No. 332,492
4 Claims. (Cl. 60—1)

1. Elastic fluid turbine arrangement comprising a turbine having an inlet conduit with a stop valve and a throttle valve, a rotor with a shaft and a bearing for the shaft, a speed governing mechanism including a speed governor driven from the shaft and hydraulic means for moving the throttle valve in response to speed changes of the turbine, means normally supplying oil under pressure to the hydraulic mechanism, means including a turning motor for slowly rotating the turbine rotor upon shut-down, and means including a pump driven by the turning motor for supplying oil under pressure to the hydraulic mechanism and to the bearings upon shutdown of the turbine and upon failure of the main oil supply and a device responsive to oil pressure from the main oil supply automatically to effect starting of the turning motor as the pressure of the main oil supply drops to a predetermined low value.



4. Elastic fluid turbine arrangement comprising a turbine having a rotor and an inlet conduit with a valve, a motor for turning the rotor, and means including a device cooperatively associated with the valve for automatically starting the motor as the valve is moved into closing position.

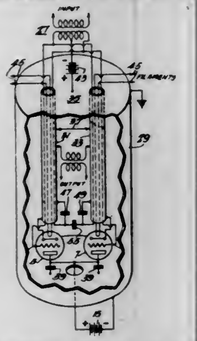
2,252,457
RELAY APPARATUS
William D. Cockrell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 13, 1940, Serial No. 345,425
3 Claims. (Cl. 250—41.5)



2. Relay apparatus comprising a first electron discharge amplifier having a control grid and a suppressor grid, a second electron discharge amplifier connected in cascade with said first amplifier and having a screen grid, a resistor in the supply connection to said screen grid, a load device in the output circuit of said second amplifier, means by which an impulse may be applied to the control grid of said first amplifier of a length shorter than that required for the actuation of said load device, variable resistance means between the suppressor grid and the

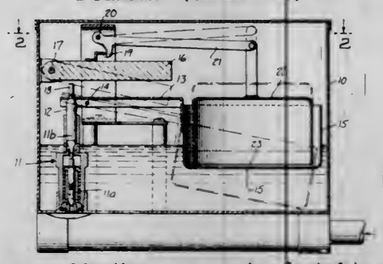
cathode of said first amplifier and a capacitor connected between said suppressor grid and said screen grid.

2,252,458
GROUNDED PLATE AMPLIFIER
James W. Conklin, Audubon, and Samuel Gubin, Erlton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application November 15, 1938, Serial No. 240,444
4 Claims. (Cl. 179—171)



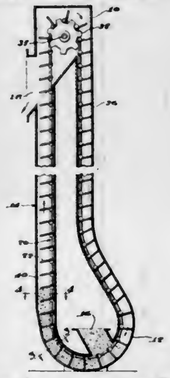
1. In an amplifier, a pair of thermionic tubes having anode, cathode and grid electrodes; a half wave resonant line connected between said cathode electrodes and having its midpoint grounded; means for grounding said anode electrodes for alternating current voltages; means for applying alternating current voltages in phase opposition between said grid electrodes and ground; said means including a conductor passing within but insulated from said resonant line; a neutralizing capacitor connected from the grid of each tube to the cathode of the other, said connection likewise passing through said resonant line; and means for obtaining an amplified alternating current voltage from said resonant circuit.

2,252,459
LIQUID CONTROL VALVE
Ralph W. De Lancey, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application October 5, 1940, Serial No. 359,872
4 Claims. (Cl. 137—68)



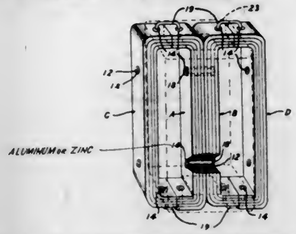
1. In combination, a reservoir adapted to contain liquid, a normally open inlet valve to admit liquid, liquid level responsive mechanism for normally closing the valve when the liquid reaches a predetermined height, the mechanism including a float having an open top so that on continued leakage of the valve liquid may overflow into the float, a second vertically movable float having a normal lower position in which it is received in the first float when the latter is in its upper position and adapted to be partially immersed in the liquid overflowing into the first float whereby the said second float is buoyed upwardly, a weight normally held in its upper position when the second float is in its normal position and released when the second float rises so that it drops, and a valve closing element engageable by the weight.

2,252,460
CONVEYER
Alfred De Los Sinden, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Application August 31, 1940, Serial No. 354,946
6 Claims. (Cl. 198—168)



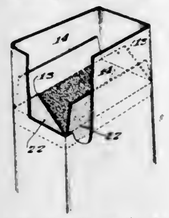
1. A conveyer for conveying flowable solid material, comprising a casing arranged to extend in curved and straight paths, an endless conveying element traversible through the casing comprising a plurality of spaced transversely extended flight members of solid construction arranged to extend out substantially radially when passing through a curved path, said casing being increased in cross sectional area between the curved portion thereof and the outlet.

2,252,461
METHOD OF MAKING ELECTROMAGNETIC CORES
Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 8, 1938, Serial No. 183,938
1 Claim. (Cl. 29—155.5)



A method of manufacturing electromagnets comprising forming rectangular coils of magnetic material, forming apertures in convolutions of the coils, positioning hollow bushings in the apertures to secure the convolutions of each coil together, severing each coil into two substantially U-shaped units with central and leg portions having the bushings therein, joining two of the units together by positioning pins in aligned bushings in the central portions thereof, and securing the leg portions of another unit to the leg portions of each of the joined units by positioning U-shaped pins in the bushings of the respective leg portions.

2,252,462
PACKAGE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application July 28, 1937, Serial No. 156,155
4 Claims. (Cl. 229—87)



1. As a new article of manufacture, a package comprising a carton having its bottom closed and containing a commodity, and provided at its upper end with a top flap integral with each side of the carton, a wrapping sheet adhesively affixed to the body of the carton having portions folded and secured to the bottom thereof, and a closure for the top of the carton produced by folding two opposed top flaps inwardly and the remaining top flaps outwardly to form two upstanding half sections of the wrapper, said remaining top flaps being triangular in shape, folding the half sections of the wrapper upon the inwardly folded top flaps and the outwardly folded top flaps to bring the upstanding half sections of the wrapper together whereby to form an elongated and upstanding folding tab extending across the mouth of the package and across the outwardly extending top flaps, then folding said folding tab upon itself and down upon one of the inwardly folded top flaps and upon the outwardly projecting triangular shaped top flaps, and thereafter folding the wrapped outwardly projecting top flaps and the projecting portions of said folded tab over upon the top surface of the carton and affixing the same thereto.

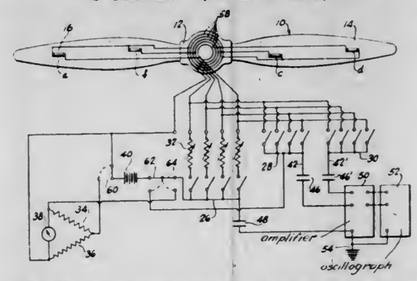
2,252,463
PENCIL
Arthur R. Jackley, Baltimore, Md.
Application July 9, 1940, Serial No. 344,479
2 Claims. (Cl. 120—38)



1. The combination with a pencil and eraser

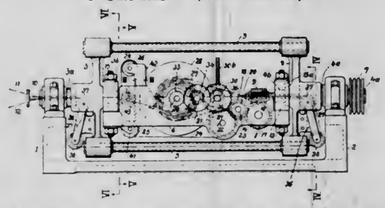
of a ferrule joining the two together end to end, the ferrule having a continuous circumferential portion at its extremity around the eraser and a scored circumferential line in the eraser holding portion, a pull-tab on the portion between said extremity and scored line, and a further scored line between said tab and ferrule extremity whereby tearing off the pull-tab portion at the scored lines exposes a further eraser portion for use.

2,252,464
STRESS MEASURING MEANS
Charles M. Kearns, Jr., East Hartford, Conn., and Ralph M. Guerke, Sommerville, Mass., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 6, 1937, Serial No. 178,408
8 Claims. (Cl. 177—380)



1. A resistance element for an electrical strain gauge comprising, a thin elongated element of a substantially uniform mixture of finely divided carbon and silica and a resilient binder having an elasticity similar to that of phenolic resin.

2,252,465
ROPE TWISTING AND LAYING MACHINE
Anton Kraft, Olpe, Germany
Application September 6, 1940, Serial No. 355,659
In Germany December 4, 1939
3 Claims. (Cl. 57—58)



1. A twisting machine with a spool for winding up the finished rope, comprising in combination a circulating frame in which the rope is conducted for back twisting, a winding spool pulling the rope directly into the machine, an endless belt driven at uniform speed and driving said winding spool, and springs for pressing said endless belt against a portion of the circumference of the rope wound on said winding spool.

2,252,466
GLASS OF HIGH SOFTENING POINT
Walter Hänlein, Berlin-Haselhorst, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application September 10, 1938, Serial No. 229,330. In Germany February 2, 1938
3 Claims. (Cl. 106—52)

2. A glass having a softening point at least

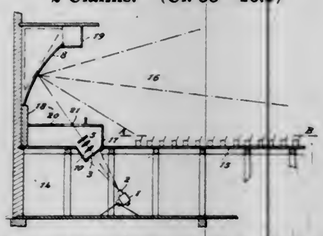
as high as 1000° C., said glass consisting, by weight, of 90 to 94 per cent silica, 3 to 5 per cent alumina, 1.5 to 2.5 per cent of an oxidic component selected from the class consisting of one or more alkaline-earth oxides and mixtures of beryllium oxide and one or more alkaline-earth oxides, and 1 to 3 per cent of another oxidic component selected from the class consisting of zirconium oxide, thorium oxide and mixtures of zirconium oxide and thorium oxide, the total amount of alumina plus the said second named oxidic component not exceeding substantially three times the amount of the said first named oxidic component.

2,252,467

PROJECTOR FOR STEREOSCOPIC IMAGES

Tommaso Riccardo Luzzati, Siena, Italy

Application July 25, 1938, Serial No. 221,214
In Italy August 7, 1937
2 Claims. (Cl. 88—16.6)



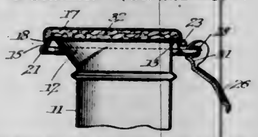
1. An apparatus for projecting stationary and moving stereoscopic images comprising a small screen, means for projecting separate real images of the members of a stereoscopic pair of pictures on said screen side by side, a lens system including at least one positive lens and two like negative lenses having their adjacent edges coaxial with the positive lens to project and convert said real images into a stereoscopic combined image, and a substantially concave reflector screen arranged to reflect said combined image, said lens system comprising a collecting lens arranged between the screen and the reflector, and an intermediate partition provided with an adjustable central aperture for the passage of light rays to prevent the stereoscopic images from overlapping.

2,252,468

SPOUT AND CAP

Carl McQuinn, Decatur, Ill., assignor to Williams Sealing Corporation, Decatur, Ill., a corporation of Illinois

Application March 22, 1937, Serial No. 132,436
8 Claims. (Cl. 221—3)



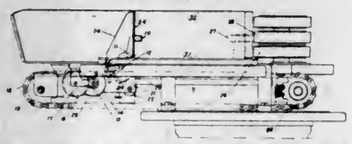
6. In combination, a pouring spout and a closure cap for the spout, said spout comprising a lower cylindrical neck portion adapted to be secured to a container, an outwardly projecting, horizontally disposed circumferential rib at the upper end of the neck, positioned to be engaged and gripped by the supporting jaws of a filling or closing machine, and a head above said rib comprising a rear portion constituted by a straight line continuation of the cylindrical neck, a forwardly projecting lip portion disposed on a substantially frusto-conical surface, and a substantially uniform outwardly and downwardly turned flange extending entirely around the spout and terminating in a free lower edge and providing a substantially dripless pouring edge for the lip portion, said closure cap comprising a top having a downwardly facing sealing pad engageable with the upper surface of the flange entirely around the perimeter thereof, a depending skirt having a portion projecting under the free edge of the flange at the lip portion of the spout, and lever means carried by the cap at the rear end thereof for drawing the skirt under the free edge of the flange at the lip portion to effect a tight sealing engagement between the pad and the upper surface of the flange, particularly at the lip portion thereof.

2,252,469

LETTER-STAMPING MACHINE

Ernst Vilhelm Nyberg, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden

Application June 11, 1940, Serial No. 339,995
In Sweden July 6, 1939
4 Claims. (Cl. 271—62)



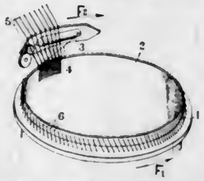
1. Arrangement for letter-stamping machines in which a bundle of letters by means of a transport arrangement is brought against rotating rollers which perform the further despatch of the letters to a stamping arrangement, characterized in that the transport arrangement **24**, for example a carriage, is provided with a lever **10** against which the bundle of letters is placed, which lever is so arranged, that it firstly by the pressure on the lever caused by the bundle of letters acts upon a driving mechanism **18** which starts the transport arrangement, and secondly as soon as the pressure from the bundle of letters ceases, disconnects the transport arrangement, whereby this is brought back to the starting position.

2,252,470

WEAVING LOOM

Henri Pelcé, Flixecourt, France, assignor to Société dite: Saint Freres, Société Anonyme, Paris, France

Application June 20, 1940, Serial No. 341,576
In France July 18, 1939
2 Claims. (Cl. 139—13)



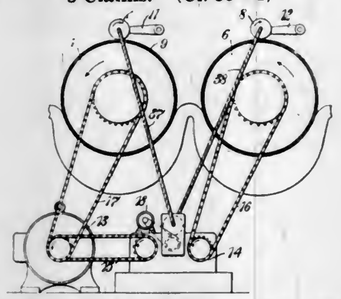
1. In a circular weaving loom, the combination of shuttles rotating in a constant direction about the axis of the loom and of a device for ensuring the regular classification and crossing of the warp threads on this side of the line of insertion of the last pick of the weft, comprising a ring rotating concentrically with the axis of the loom and in reverse direction to the shuttles and a series of flexible scrapers on said ring and the point of which is intended to engage the warp threads.

2,252,471

SYNCHRONIZING MEANS FOR IRONING OR LIKE ROLLER MACHINES

John Edward Pointon, Peterborough, England, assignor to Baker Perkins Limited, Peterborough, England

Application May 28, 1938, Serial No. 210,709
In Great Britain June 14, 1937
5 Claims. (Cl. 38—4)



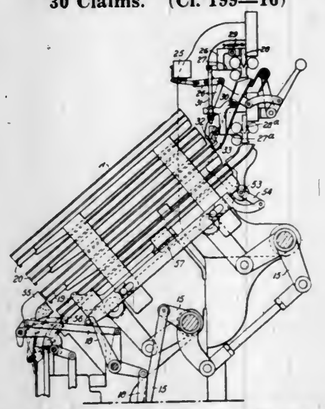
1. Means for synchronizing the peripheral speeds of two rollers, such as adjacent rollers of an ironing machine, the diameters of which are liable to variation, comprising means for driving the rollers from a common source, the drive to one roller including a variable speed gear, a control device for said gear, a friction disc for each roller adapted to ride upon the peripheries of the rollers and to be driven thereby, and means for transmitting the drives of said discs to said control device, to cause an adjustment of said variable speed gear to provide an acceleration or retardation of the speed of one of the rollers.

2,252,472

TYPOGRAPHICAL COMPOSING AND DISTRIBUTING MACHINE

Richard Henry Scott, Enfield, and William Fairall Gorse and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a limited-liability company of Great Britain

Application December 14, 1939, Serial No. 309,166
In Great Britain December 16, 1938
30 Claims. (Cl. 199—16)



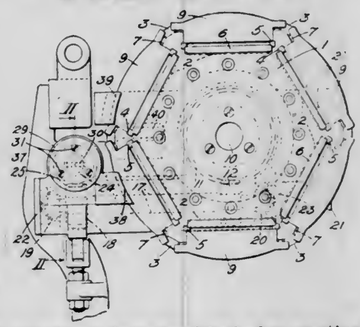
1. In a typographical composing machine of the kind referred to, a plurality of superposed magazines adjustable into operative relationship with matrix assembling and distributing mechanisms, power operated means for effecting said adjustment, and a power controlled mechanical relay to render said means inoperable while a matrix or matrices are in transit in the distributing mechanism or at the entrances to said magazines.

2,252,473

TYPOGRAPHICAL SLUG CASTING MACHINE

Richard Henry Scott, Enfield, and William Fairall Gorse and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a British company

Application September 11, 1940, Serial No. 356,290
In Great Britain October 20, 1939
19 Claims. (Cl. 199—48)



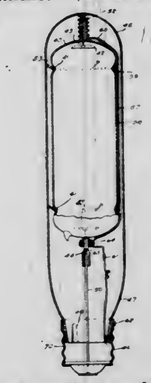
1. In or for a typographical slug casting machine, a rotatable mold carrier having a plurality of mold seatings formed on its periphery, in combination with driving means for imparting a complete rotation to the mold carrier at each casting cycle of the machine, said driving means operating on the mold carrier within its peripheral limits so as to leave said carrier entirely free at its periphery to accommodate the molds.

2,252,474

DISCHARGE DEVICE

Hans J. Spanner, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application September 15, 1934, Serial No. 744,206
7 Claims. (Cl. 176—122)



1. An electrical discharge device which comprises an envelope, a filling within said envelope

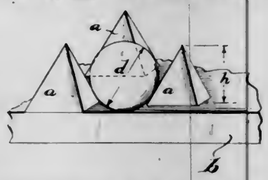
of a material adapted to provide a gaseous medium for the discharge, electrodes spaced therein, lead-in connections, a jacket enclosing and spaced from the envelope, a filling in said jacket of a material adapted to provide a gaseous medium for a discharge and electrodes in said jacket external to said envelope forming a discharge path in series with that between the electrodes in the envelope.

2,252,475

TESTING VESSEL FOR HOLDING FERROMAGNETIC SUSPENSIONS

Franz Unger and Richard Siegfried Hilpert, Brunswick-Gliesmarode, Germany

Application November 7, 1938, Serial No. 239,416
In Germany November 13, 1937
3 Claims. (Cl. 175—183)



1. The combination of a suspension of ferromagnetic particles with a test vessel having a bottom member for use in examining materials for flaws, by the magnetic method, said bottom element being roughened on its upper surface to provide irregular indentations forming discontinuous grooves, the size of said indentations corresponding to the grain size of the ferromagnetic particles.

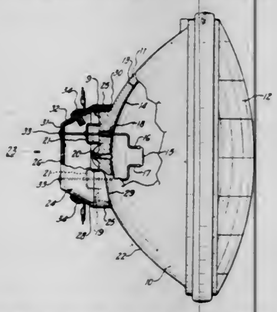
2,252,476

BASE FOR ELECTRIC LAMPS

Daniel K. Wright, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application November 29, 1940, Serial No. 367,810
4 Claims. (Cl. 176—32)

1. An electrical device comprising a sealed



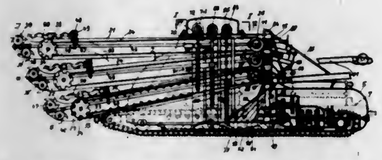
bulb having a convex outer wall portion provided with spaced bosses on the surface thereof, a base comprising a hollow body member of insulating material provided with metal contacts and having an open end fitting snugly around said bosses to thereby lock said member against lateral and rotational displacement on said bulb, and leading-in wires hermetically sealed in said bulb and fixedly secured at their outer ends to said base contacts, said leading-in wires being tightly stretched between said bulb and base and constituting the sole means for securing said base firmly to said bulb.

2,252,477

CULTIVATING MACHINE

Wilhelm Bauer, Hamburg-Wilhelmsburg, Germany

Application December 16, 1938, Serial No. 246,245
In Germany December 16, 1937
6 Claims. (Cl. 37—96)



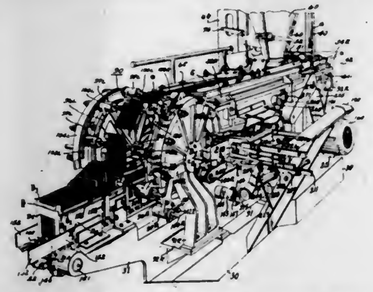
1. In a cultivating machine, a frame, a pair of rotary working tools on the frame, means for rotating the working tools in opposite directions, an elevator arranged in spaced relation at the rear of the working tools, means for operating the elevator, rotary feeding tools arranged side by side intermediate the working tools and the front end of the elevator, means for rotating each two feeding tools in opposite directions, and means at the rear end of the elevator for discharging the worked soil.

2,252,478

GRID PASTING AND STACKING MACHINE

Everett W. Beekman and Charles W. Jones, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 17, 1938, Serial No. 240,916
19 Claims. (Cl. 226—39.6)



17. For use with a storage battery grid pasting machine having a track along which grids are moved horizontally while being pasted and having means for moving the grids along the track, a grid conveying apparatus comprising the combination of a horizontally movable grid supporting device providing recesses for receiving grids and for holding the grids in a position more nearly vertical, a grid transfer means at the delivery end of the track and having provisions for grasping a grid and for moving it bodily from a horizontal position to a position more nearly vertical, means for retracting the grid grasping provisions when a grid receiving recess of the device is aligned with a grid descending somewhat vertically to permit the grid to gravitate into the recess of the device, and a ramp upon which each released grid gravitates a short distance sufficient to permit the grid to enter the aligned grid receiving recess of the device, said ramp having an inclined surface engaged by the lower edge of the grid to cause the grid to gravitate gradually to the bottom of the grid receiving recess as the device moves horizontally.

2,252,479

PROCESS FOR OBTAINING ESTERS OF POLYMERIC METAPHOSPHORIC ACID

Anneliese Beyer, Berlin, Germany, assignor to Chemische Fabrik Joh. A. Benckiser, Ludwigshafen-on-the-Rhine, Germany

No Drawing. Application March 17, 1937, Serial No. 131,533. In Germany March 19, 1936
5 Claims. (Cl. 260—403)

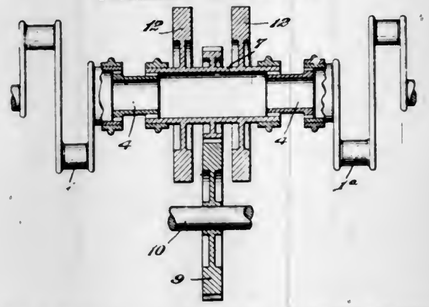
1. A process for obtaining water-soluble esters of polymeric metaphosphoric acids, which comprises mixing a polymeric metaphosphoric acid with an aliphatic compound containing at least one hydroxyl group.

2,252,480

HIGH SPEED INTERNAL COMBUSTION ENGINE

Georges Boulet, Plessis-Robinson, France

Application February 18, 1937, Serial No. 126,461
In France February 25, 1936
5 Claims. (Cl. 74—595)



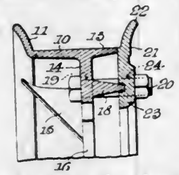
4. In a multi-cylinder engine, including a composite crankshaft comprising a plurality of coaxial elementary crankshafts and coupling means connecting the opposite ends of any two adjacent elementary crankshafts, said coupling means including flutes respectively provided on said opposite crankshaft ends, two short alined shafts between said ends and coaxial to the crankshaft, flutes provided at both ends of each of said shafts, each shaft having one fluted end in axial slidable engagement with the adjacent fluted crankshaft end, and an intermediate shaft member provided with flutes in slidable engagement with the opposite fluted ends of both said short shafts.

2,252,481

VEHICLE WHEEL

William Jared Cox, Woodruff, Utah

Application November 25, 1940, Serial No. 367,085
3 Claims. (Cl. 301—63)



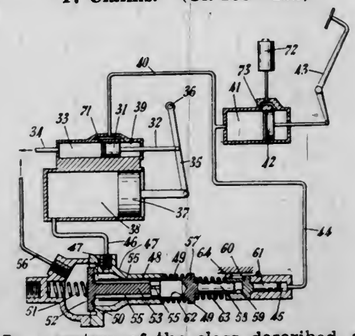
1. A wheel rim having a bead-engaging flange on one edge only, the inner periphery of said rim being provided with a continuous inwardly projecting flange near the other edge of said rim, the side of said inwardly projecting flange toward said other edge being provided with integral circumferentially spaced laterally projecting lugs disposed in pairs, said inwardly projecting flange being formed with bolt holes disposed one between the lugs of each pair, a ring lying against said other edge of said rim and having a second bead-engaging flange, said ring projecting inwardly from the inner periphery of said rim and having bolt holes alined with those aforesaid, the inner side of said ring being provided with grooves extending circumferentially from the bolt holes of said ring and snugly receiving the outer ends of the aforesaid lugs, and bolts passing through the bolt holes of said inwardly projecting flange and said ring.

2,252,482

SERVO BRAKE MECHANISM

Geoffrey Robert Greenbergh Gates, London, England, assignor of one-half to Automotive Products Company Limited, London, England

Application July 15, 1937, Serial No. 153,846
In Great Britain July 15, 1936
17 Claims. (Cl. 188—152)



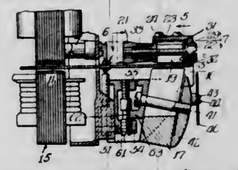
1. In a system of the class described, a pedal cylinder, a foot pedal operatively connected therewith, a booster, a slave cylinder operatively connected with the booster effecting operation of the booster upon depression of the foot pedal, and an additional cylinder and piston device adapted to have the volume thereof increased by operation of the booster, the liquid required to fill the increased volume being withdrawn from the system, thus reducing pressure in the system and balancing the depressive effort on the pedal with the effort exerted by the booster.

2,252,483

DAMPING UNIT FOR WATT-HOUR METERS

Stanley S. Green, Lafayette, Ind., assignor to Duncan Electric Manufacturing Company, Lafayette, Ind., a corporation of Illinois

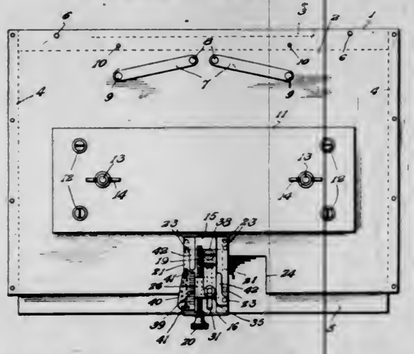
Application November 21, 1938, Serial No. 241,592
23 Claims. (Cl. 171—34)



1. A damping magnet system for rotating discs, including magnet means having opposed poles adapted to lie adjacent one face of a disc, and armature means positioned opposite said poles and adapted to lie adjacent the other face of the disc including a pair of spaced blocks and a plug movable in the space between said blocks and to a position at least partly removed from between said blocks, said plug being specially

shaped with a smaller cross section at one end than at the other to cause its adjusting effect to be more uniform for successive equal movements than if the plug were of uniform cross section.

2,252,484
DIE HOLDER
Rupert L. Greenleaf and Charles R. Dougherty, Auburn, Maine; said Dougherty assignor to said Greenleaf
Application June 18, 1938, Serial No. 214,547
5 Claims. (Cl. 101—28)



1. In a die holder, a mounting to be carried by a die holder frame and having a base plate and a flange, said mounting extending longitudinally of the holder, a carriage slidable along said base plate longitudinally thereof, a plunger slidably carried by said carriage, and having its lower end provided with a pin for engaging through a perforation in a die plate and detachably engaging the die plate, a bowed spring urging said plunger downwardly to a plate-engaging position, and means extending through the flange and carriage for shifting said carriage along said mounting and holding the carriage in a set position.

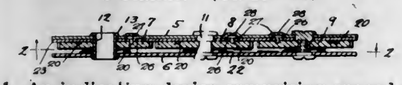
2,252,485
COATING COMPOSITION
Carl Max Hull, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application October 30, 1937, Serial No. 172,037
3 Claims. (Cl. 260—36)

1. A coating composition consisting of about 90% chlorinated isobutylene polymers containing about 50% chlorine and about 10% of chlorinated paraffin wax containing about 30% chlorine.

2,252,486
COATING COMPOSITION AND THE LIKE
Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application October 30, 1937, Serial No. 172,058
3 Claims. (Cl. 260—32)

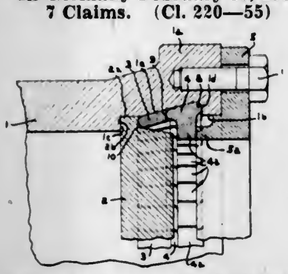
2. A composition of matter capable of forming a flexible, glossy, flame-resistant and waterproof coating comprising an organic solvent and a mixture of a hard, brittle, highly chlorinated polymer of unsubstituted isobutylene containing between about 45% and about 65% chlorine and normally insoluble in the said organic solvent and a chlorinated diphenyl plasticizing agent compatible with the said chlorinated polymer of isobutylene, said chlorinated diphenyl containing at least 25% chlorine, the mixture of the said chlorinated polymer of isobutylene and the chlorinated diphenyl plasticizing agent being dissolved in the said solvent.

2,252,487
TIME RECORDER AND KEY HOLDER
William Franklin Bevill, Huntington, W. Va.
Application April 17, 1940, Serial No. 330,191
2 Claims. (Cl. 40—70)



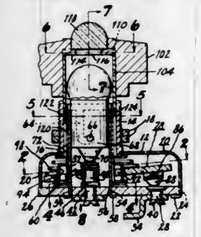
1. An indicating device comprising spaced parallel plates including a pair of side plates and an intermediate plate, a plurality of disks positioned between the intermediate plate and one side plate having indicia displayed thereon, means carried by the plates for rotatably supporting the disks, said disks having recesses in one face thereof and spring fingers carried by the intermediate plate for releasable engagement in said recesses to prevent idle rotation of the disks, the other of said side plates having pockets to accommodate the fingers during movement thereof.

2,252,488
PRESSURE-SEALING FASTENING FOR VESSEL COVERS
Alfred Bierend, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1939, Serial No. 286,230
In Germany February 10, 1939
7 Claims. (Cl. 220—55)



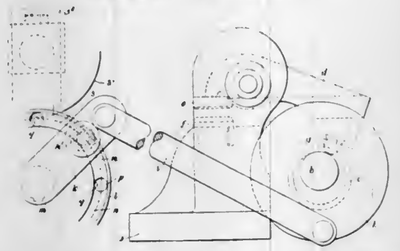
1. In combination, a hollow body member having a mouth end portion provided with a mouth opening and first and second interior spaced abutments, the first abutment facing outwardly and the second abutment facing inwardly and being disposed adjacent to the mouth opening, a head member having a peripheral portion whose inner face engages said first abutment and whose outer face is disposed in opposed relation with respect to said second abutment, mechanisms each having abutment edges for engagement with the second abutment and the head peripheral portion outer face, each mechanism including means providing for variation in the distance between the edges so that such distance may be increased to cause them to bear against the second abutment and the head peripheral portion outer face to hold the peripheral portion of the head under pressure against said first abutment, and means carried by one of said members to actuate said mechanisms to increase the distance between the abutment edges thereof in order to exert pressure on the peripheral portion of the head to seal the latter against said first abutment.

2,252,489
SIGNAL SWITCH
Arnold A. Bluemle, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 8, 1940, Serial No. 322,958
9 Claims. (Cl. 200—167)



1. In a signal switch, the combination comprising, a housing having a tubular mounting sleeve, a switch back closing the housing and providing a plurality of fixed contacts, a tube secured to the switch back and arranged to extend coaxially with the housing sleeve, said tube having flanged portions abutting the surface of the switch back, a contact actuator journalled about the tube and adapted to selectively bridge two of the fixed contacts, and means including a second sleeve coaxial of the tube for driving the contact actuator, said means having a flange engageable with the tube flange.

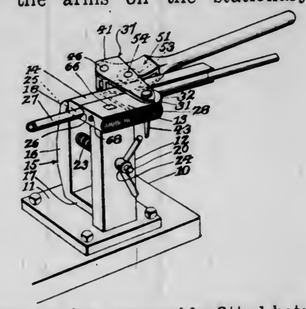
2,252,490
APPARATUS FOR USE IN THE MANUFACTURE OF BARRICADES
Walter Börkey, Hagen, Germany, assignor to Rendan Holdings Limited, Guernsey, Channel Islands
Application May 25, 1939, Serial No. 275,735
In Germany January 3, 1939
2 Claims. (Cl. 140—62)



1. Apparatus for the purpose referred to comprising in combination dies between which the wire is pressed for the shaping or profiling operation, an eccentric producing relative movement of the dies, a shaft carrying said eccentric, a disc on said shaft a pawl actuated intermittent feed for the wire, and a link connecting said disk with said pawl whereby the feed and profiling operation are synchronised.

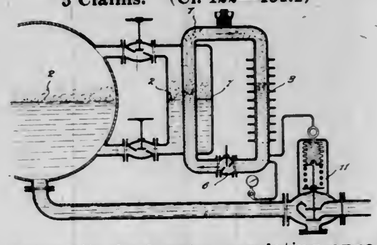
2,252,491
SANDLESS BENDER
Hance G. Cloyd, Toppenish, Wash.
Application May 13, 1939, Serial No. 273,547
1 Claim. (Cl. 153—46)

In a pipe bending device having a stationary bending block and a movable tube bending member, said movable bending member comprising a yoke consisting of a pair of spaced arms, a pair of spaced bridging members connecting a pair of the ends of the arms together, the arms between the spaced bridging members being provided with aligned passages, a pin mounted in said passages, a handle having a curved head, the end of the head located between the bridging member and having a passage received by the pin, the head having a pocket, a roller rotatably mounted in the pocket and having a portion projecting beyond the pocket, the arms straddling the stationary block, means pivotally mounting the free ends of the arms on the stationary block,



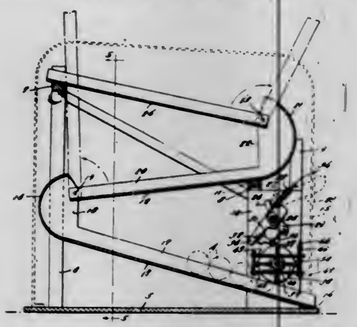
and a bending jaw removably fitted between the arms of the yoke and provided with a groove at one face to receive the pipe to be bent, the projecting portion of the roller engaging the opposite face of the jaw, a line passing through the pivot of the yoke and axis of the roller forming with a line passing through the pivot of the yoke and pivot of the handle forming an acute angle so that inward pressure on the handle will provide a line of force acting on the bending jaw and passing through the axis of the roller and to one side of the axis of the yoke.

2,252,492
AUTOMATIC FEED WATER REGULATOR FOR STEAM BOILERS
Corradino Cortese, Genoa Cornigliano, Italy, assignor to Ansaldo Società Anonima, Genoa Cornigliano, Italy, a corporation of Italy
Application December 13, 1939, Serial No. 309,105
In Italy January 23, 1939
5 Claims. (Cl. 122—451.1)



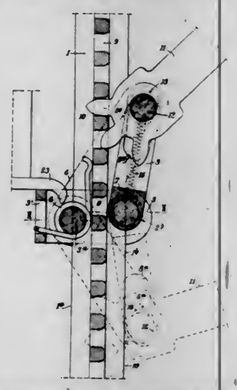
1. Automatic feed water regulating apparatus for steam boilers comprising, a ring-shaped tube, a container surrounding a portion of the ring-shaped tube receiving water and steam from the boiler, an evaporable liquid in said ring-shaped tube, a housing surrounding another portion of said ring-shaped tube, a pipe for conveying feed water to the boiler, an apertured diaphragm in said pipe, conduits connecting said housing with said pipe at both sides of said diaphragm, a valve in said pipe between the diaphragm and the boiler, and means responsive to the pressure in said ring-shaped tube for controlling the position of said valve.

2,252,493
DISPENSING MACHINE
Luther D. Dennis, Comanche, Okla.
Application February 14, 1939, Serial No. 256,352
2 Claims. (Cl. 312—48)



1. In a dispensing apparatus, an article impelled reel consisting of a shaft and a plurality of article confining blades extending therefrom, a ratchet wheel carried by the shaft, a second shaft, a finger rising from the second-mentioned shaft, a plunger adapted to be pushed against the finger to rotate the second-mentioned shaft, an arm extending from the second-mentioned shaft, a dog operative against the ratchet wheel to normally prevent rotation of the reel, an operative connection between said arm and said dog whereby upon rotation of said second-mentioned shaft said dog is disengaged from said ratchet wheel and said reel is permitted to rotate, and a leg depending from the second-mentioned shaft and adapted to move into position as said second-mentioned shaft rotates to block the succeeding blade after the reel has rotated a distance equivalent to the width of space between a pair of adjacent blades of said reel.

2,252,494
SELF-CLAMPING JACK
Georges Levesque du Rostu, Paris, France, assignor to Société Anonyme: Andre Citroën, Paris (Seine), France
Application May 8, 1940, Serial No. 334,074
In France May 20, 1939
5 Claims. (Cl. 254—112)

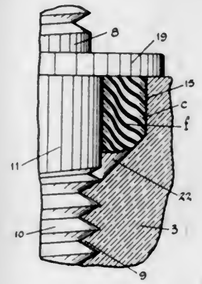


1. A self-clamping jack comprising an upright having a rack, a fork adapted to slide along said upright, two spindles pivotally mounted in the cheeks of said fork, at slightly different levels and adapted to press against two opposite sides of said upright, a lever terminated by a toothed segment adapted to mesh with the rack of the upright, a transverse spindle on said lever and links connecting said transverse spindle respectively to the two spindles mounted in said cheek, the pivotal joint of each of said links being so devised that said link has a certain amount of play in the longitudinal direction on said transverse spindle.

2,252,495
VITREOUS COMPOSITION
Werner Düsing, Berlin-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application June 28, 1938, Serial No. 216,345. In Germany July 1, 1937
3 Claims. (Cl. 106—52)

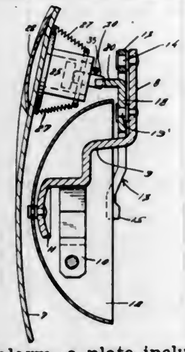
1. A vitreous composition which in the form of a plate one millimeter in thickness transmits more than 50 per cent of the infra-red rays having a wave length less than 4.5 microns and at least 10 per cent of the rays having a wave length as long as 6 microns, said composition comprising 12 to 15 per cent silica, 71 to 76 per cent calcium oxide and 12 to 15 per cent of one or more oxides selected from the group consisting of barium oxide and zinc oxide.

2,252,496
SPARK PLUG AND METHOD OF MAKING
Rex J. L. Dutterer, Toledo, Ohio, assignor to Defiance Spark Plugs, Inc., Toledo, Ohio, a corporation of Ohio
Application March 13, 1940, Serial No. 323,744
8 Claims. (Cl. 123—169)



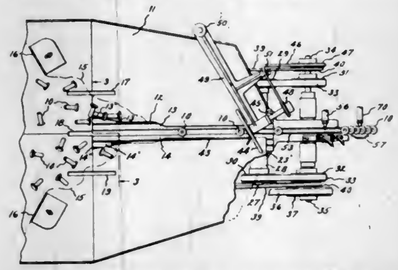
1. A spark plug having a central electrode and an electrode insulator; the insulator having an internal passageway and a chamber, near one end of said passageway and communicating therewith, for receiving said electrode within said insulator; said chamber having walls converging toward the walls of said passageway; a preformed compressible and expandable space-filling medium of a bulk, when normally expanded, greater than the capacity of said chamber to receive said medium therein when said electrode extends therethrough; and means for urging said medium into said chamber and cooperative with said converging walls to compress and direct the trusion of portions of said medium between the walls of said passageway and the surfaces of said electrode to prevent movement of gases through said passageway and chamber.

2,252,497
THEFT ALARM
William C. Engel, Chicago, Ill.
Application December 30, 1940, Serial No. 372,405
1 Claim. (Cl. 116—33)



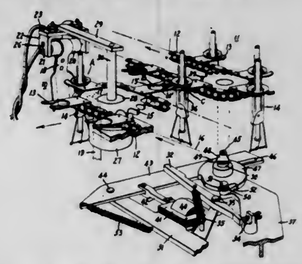
In a theft alarm, a plate including a stepped portion, a gong mounted on the stepped portion, said plate having a portion disposed radially outwardly of the gong, an axle bracket on said stepped portion to receive and grip a non-rotating axle extending into the gong positioning the latter over one end of the axle, an arcuately curved spring influenced clapper pivoted intermediate its ends on said second mentioned portion, a lever pivoted on said plate adjacent the second mentioned portion with the pivot thereof in vertical alignment with the pivot of the clapper and having an end disposed at right angles thereto to provide an extension, a flexible element connecting the other end of the lever to one end of the clapper, a sleeve mounted on a wheel of the axle, a plunger slidable in said sleeve and having a dog slot and a keeper notch, a spring urging said plunger inwardly of the sleeve, a spring influenced dog pivoted in the dog slot and normally engaging an end wall of said slot and capable of pivoting wholly within the slot, and a key operated lock carried by the wheel to engage the keeper notch to retain the plunger in an extended position with the dog in a position to engage the extension of the lever for actuating the clapper on the rotation of the wheel in one direction.

2,252,498
APPARATUS FOR FEEDING GLASS FLARES
John Flaws, Jr., East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application April 27, 1939, Serial No. 270,434
8 Claims. (Cl. 198—30)



1. Feeding apparatus for vitreous flares comprising a hopper adapted to hold a quantity of the flares and having an opening in the bottom thereof to allow them to escape, agitating means engaging the flares at opposite sides of the said opening in the hopper, means between said agitating means for agitating and distributing the flares to all parts of said opening, a pair of spaced parallel belts mounted below said opening in position to receive the flares therebetween, and means for moving said belts in the same direction at different rates of speed to cause the flares falling thereon to be shifted and orientated so that they fall down between said belts with their flared ends uppermost.

2,252,499
CONTROL APPARATUS
John Flaws, Jr., East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application April 27, 1939, Serial No. 270,435
2 Claims. (Cl. 198—21)

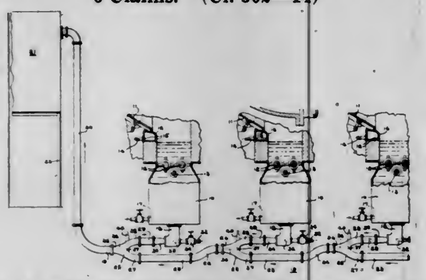


1. In combination with a conveyor having holders thereon for supporting articles of manufacture and moving them along a definite path, a second conveyor located adjacent the path of movement of the first-mentioned conveyor and having holders for receiving the said articles, means located between said conveyors for transferring said articles from the holders of said first-mentioned conveyor to those of said second-mentioned conveyor, means for indexing said second-mentioned conveyor, said first-mentioned conveyor being arranged to be bodily reciprocated, means operated by the reciprocating movement of said first-mentioned conveyor for causing the said transferring and indexing means to be operated, and means along the path of movement of said first-mentioned conveyor and operable by the presence of an article in a holder in operative relation thereto for causing said indexing means to be operated only when an article is present in said last-mentioned holder.

2,252,500
METHOD OF PREPARING FLUORESCENT MATERIALS
Gorton R. Fonda, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application December 7, 1939, Serial No. 308,009
9 Claims. (Cl. 250—81)

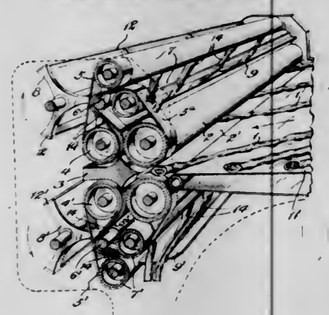
1. The method of preparing a fluorescent silicate which comprises forming a mixture of colloidal gel of silica formed from alkyl organic silicate, a metal compound which will react with said silica to form said fluorescent silicate, and an activator of fluorescent properties, heating to remove volatile constituents from the mixture, comminuting the product and firing at an elevated temperature to develop fluorescent properties.

2,252,501
MATERIAL HANDLING SYSTEM
Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 16, 1940, Serial No. 314,130
6 Claims. (Cl. 302—14)



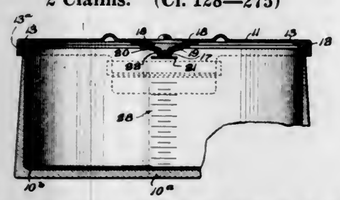
1. A material handling system for a series of storage pits containing a mixture of material and water, comprising a discharge connection for each of said pits, a sectional main discharge conduit including a plurality of Y members each having its stem and one branch constituting a section of said main conduit, means providing communication between the other branch of each Y member and one of said discharge connections, ejector mechanism associated with each pit for moving the mixture from said pit to and along the main conduit, and a valve part pivotally mounted within each Y member and adapted to be automatically positioned, between first and second limits of movement, by the flow of said mixture therepast.

2,252,502
DEVICE FOR REMOVING WOODY MATTER FROM FIBER-CONTAINING STALKS
Kurt Frische, Bensheim, Hessen, Germany
Application July 8, 1939, Serial No. 283,499
In Germany January 27, 1939
5 Claims. (Cl. 19—10)



1. A device for obtaining the integument strips of fiber-containing stalks, comprising in combination: a wedge-shaped knife which splits the stalks into two halves, a pair of conveying rollers which feed the stalks in an inclined position to the knife which has a corresponding length, two pairs of crushing rollers, immediately behind the knife, for crushing flat the stalk-halves and simultaneously feeding the unsplit stalk towards the knife, two rolls of small diameter, two conveying devices feeding the integument strips of the stalk-halves around the rolls, and two devices for lifting the woody matter from the integument strip at the rolls.

2,252,503
EVACUANT RECEPTACLE
Pauline T. Griffin, Kinston, N. C.
Application June 8, 1939, Serial No. 278,164
2 Claims. (Cl. 128—275)



1. An evacuant receptacle having a flexible conduit connection whereby excreta and secretions may be drained from a patient into the receptacle, said receptacle having a top wall provided with a port or vent to prevent entrapment of gases in the receptacle, said wall having a depressed valve seat around said port or vent, a valve lift member disposed in said seat and arranged to slide downwardly on said seat when the receptacle is tilted to a certain predetermined angle or is accidentally upset, and a closure member suspended for universal movement from said valve lift member and arranged to close said port or vent when the valve lift member is displaced in its seat.

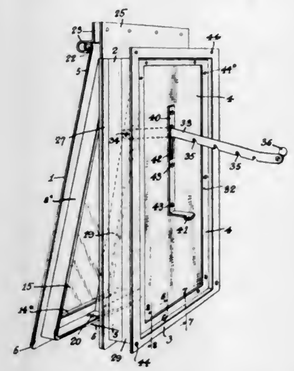
2,252,504
METHOD OF MOUNTING LENSES IN ILLUMINATED SIGNS, ETC.
Bernard Hahn, Muscatine, Iowa, assignor to Automatic Button Company, Muscatine, Iowa, a corporation of Iowa
Application July 24, 1939, Serial No. 286,265
9 Claims. (Cl. 18—59)



7. The herein described method of mounting lenses of thermo-plastic resinous material, adapted to exist in either heat stable or heat unstable conditions, in apertures in sign faces or the like; consisting in heating and compressing at least a portion of a heat stable lens blank of such material of normally larger size than the aperture into a heat unstable blank of such size and shape as will enter said aperture; then placing the compressed portion of the heat unstable blank within said aperture and maintaining the blank in said aperture at a temperature sufficiently high to cause the blank to expand to substantially its original heat stable size and shape, and thereafter permitting the blank to cool.

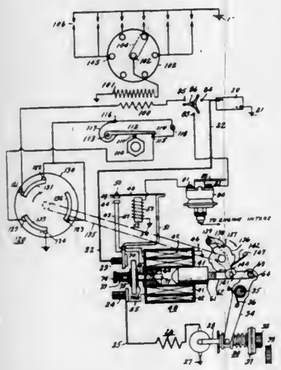
2,252,505
WINDOW FOR TRAILERS
Walter A. Harris, Elkhart, Ind.
Application May 15, 1939, Serial No. 273,774
3 Claims. (Cl. 189—69)

3. A frame for windows, comprising a frame having a window opening, and having integral intermediate strips folded over to a position parallel with the face of the frame and having right angle strips integral with the aforesaid intermediate strips and folded to a position at right angles to the face of the frame, a glass pane, a



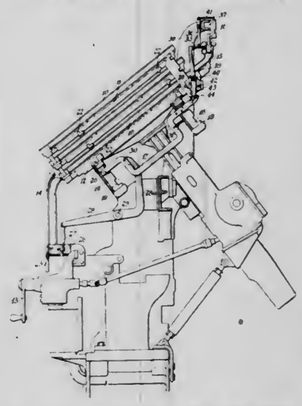
sponge rubber strip seating against the inner face of the glass pane, a metal strip seating against the said sponge rubber strip, and means securing said strip to the strip forming the window frame.

2,252,506
IGNITION SYSTEM
Herman L. Hartzell, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 22, 1939, Serial No. 275,007
5 Claims. (Cl. 290—38)



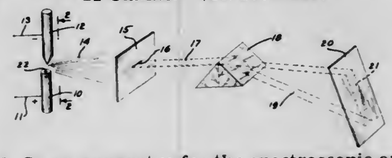
1. In an engine starting and ignition system for internal combustion engines, the combination of a current source and electrical ignition apparatus including timer contacts, an engine starting device including an electric motor, electromagnetic means for electrically connecting the motor with the current source and for mechanically connecting the motor with the engine, a relay for connecting the electromagnetic means with the source, a switch for reversing the polarity of the current delivered from the current source to the timer contacts, and means for automatically operating the switch in response to the operation of the electromagnetic means.

2,252,507
TYPOGRAPHICAL DISTRIBUTING MACHINE
John H. Hilpman, Springfield Gardens, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application December 15, 1939, Serial No. 309,340
16 Claims. (Cl. 199—45)



1. In a typographical distributing machine equipped with a magazine shift frame, the combination of a longitudinally slidable locking device for the shift frame, a detector blade operable by said device and adapted to be brought into engagement with matrices undergoing distribution, and means responsive to such engagement of the blade and matrices for preventing the longitudinal sliding movement of the locking device to inoperative position.

2,252,508
APPARATUS FOR THE SPECTROSCOPIC ANALYSIS OF MATERIALS
Wilbur L. Hoff, Hollywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1940, Serial No. 346,963
11 Claims. (Cl. 176—121)

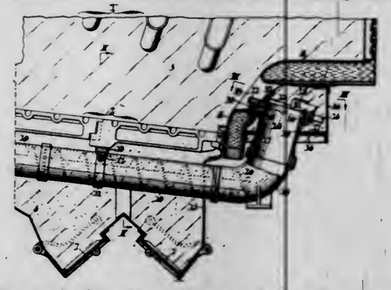


1. In an apparatus for the spectroscopic analysis of material, a lower electrode having a cavity in its top portion for containing the material, and an upper electrode spaced from the lower electrode, said upper electrode having a cylindrical body with a tapered lower end portion terminating in a point at the periphery of the cylindrical body.

2,252,509
LOCOMOTIVE STOKER
Harry A. Hoke, Altoona, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 15, 1940, Serial No. 313,804
2 Claims. (Cl. 110—105.6)

1. In a locomotive fire box stoker of the front end fuel feed type and including a conduit with a forward elbow beyond the fire box throat sheet,

the combination of an elevator pipe engageable in said elbow, said pipe having the upper rear portion semi-circular and the forward portion of rectangular cross-section with a central recess, stationary forward and flanking angularly contoured spacedly related firing table sections to define a medial opening outwardly relative to the top of the elevator pipe, and a rearwardly directed lug projecting from the semi-circular portion of said pipe below the top thereof; a rearward semi-annular firing table section fulcrumed to the forward end portions of the first mentioned table section; and adjuster means carried by the elevator pipe lug aforesaid operative to incline the semi-annular firing table section relative to the plane of the stationary section.

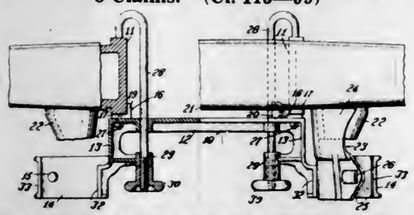


2,252,510
WINDSHIELD CLEANER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application January 4, 1938, Serial No. 183,327
7 Claims. (Cl. 15—250)



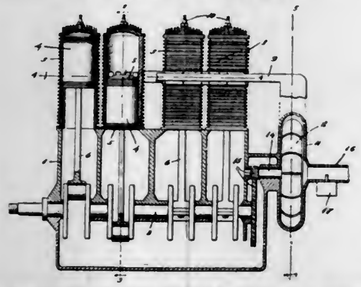
5. In a windshield cleaner, means for detachably connecting a wiper to an actuating arm, wherein one of the aforesaid elements has a curved tongue and the other of said elements has a chamber for receiving the tongue, the top wall of the chamber extending lengthwise of and curved about the same axis as the tongue for slidable and conformable engagement therewith, and resilient means arranged within said chamber and having a part resiliently engaging the opposite side of the tongue in opposition to the top wall for holding the wiper on the arm, said resilient means permitting the wiper to rock on the arm about a transverse axis at one end of the top wall as a point of fulcrum and under greater resistance relative to that normally acting to hold the wiper on the arm.

2,252,511
REPLACEMENT BRACKET JIG
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application January 23, 1939, Serial No. 252,432
8 Claims. (Cl. 113—99)



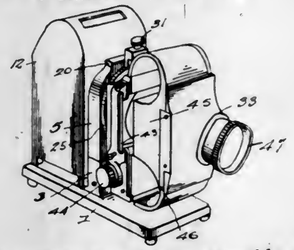
1. A device of the character described comprising a body portion adapted to be applied to a side of a railroad car truck side-frame so as to extend across the bolster and spring plank opening in the side-frame, the ends of said body portion being disposed at substantially right angles and terminating in oppositely disposed bracket supporting extensions; gage elements arranged on the inner face of the body portion adjacent the ends adapted to engage the inner vertical faces of the side-frame columns and the lower face of the top compression member of the side-frame to position the body portion; and means whereby the body portion may be clamped to the side-frame.

2,252,512
INTERNAL COMBUSTION MOTOR
Vincent Joseph Keller, Davenport, Iowa
Application September 28, 1940, Serial No. 358,914
1 Claim. (Cl. 123—59)



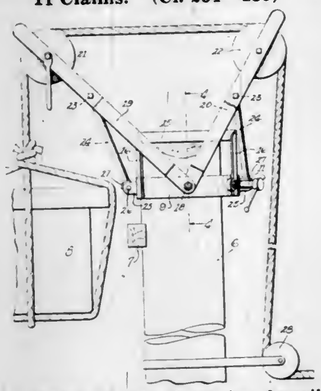
In a motor of the class described, a crankcase, a crankshaft therein, cylinders connected with the case and having inlet and outlet ports in intermediate portions of their side parts with the exhaust ports arranged opposite the inlet ports and the exhaust port of each cylinder being of larger area than the inlet port of said cylinder and the bottom wall of said exhaust port being located above the plane of the bottom wall of the inlet port, an elongated piston in each cylinder having a plain upper end, free of projections, a connecting rod connecting each piston with the crankshaft, each piston having upper and lower rings and each piston closing the inlet and exhaust ports when in raised position and first uncovering the exhaust port and then the inlet port as the piston moves downwardly, a casing connected to an end of the crankcase and having an air inlet, a fuel delivery device extending into the air inlet, a fan in the casing, a shaft journaled in said end of the crankcase and in a part of the casing and connected with the fan, said shaft extending into the crankcase, a gear on the shaft located in the crankcase and a gear on the adjacent end of the crankshaft and meshing with the gear of the shaft for rotating the same at high speed and a manifold receiving the mixture from the fan casing and delivering the mixture to the inlet ports.

2,252,513
ROTATABLE PROJECTION ASSEMBLY
Konrad Koehl, Dresden, Germany, assignor to Ihagee Kamerawerk Steenbergen & Company, Dresden, Germany
Application June 14, 1939, Serial No. 279,205
7 Claims. (Cl. 88—24)



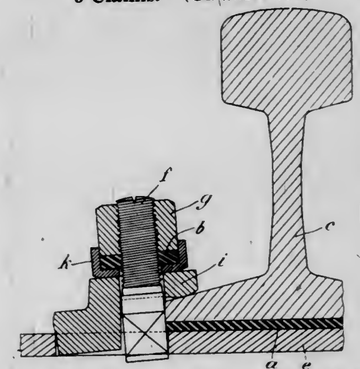
1. In a rotatable projector assembly, the combination with a base having an upright hollow cross-head forming a vent-flue, an apertured head-block having a lower vent flue and rigidly mounted in the cross-head, said head block having also an upper vent flue terminating in outlet ports whereby the projection-aperture is ventilated, a rotatable adjustable apertured projector head mounted on the head block, means for retaining said head in adjusted position said apertured head-block and projector head forming an enclosed condenser chamber, and a condenser system in said chamber.

2,252,514
HOIST
Harold R. Kuenzi, Horicon, Wis., assignor of one-fourth to B. J. Husting and one-fourth to Robert P. Pike, both of Mayville, Wis.
Application August 17, 1939, Serial No. 290,644
11 Claims. (Cl. 254—139)



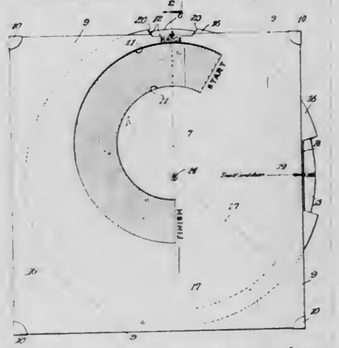
9. In a device of the character described, the combination with an annular frame provided with apertured projections at opposite sides, of brace means having anchorage portions provided with apertures registerable with the apertures of said projections, latch pins extending through the registered apertures of the projections and through the brace means for the releasable connection of the brace means to the frame, a pair of pulley mounting brackets pivoted to opposite sides of said frame intermediate said projections, each bracket comprising a pair of arms extending divergently upwardly from the frame, said brace means being pivotally connected to respective upper portions of the brackets, and a pulley rotatably mounted intermediate each pair of arms in spaced relation to the pivoted bracket portions.

2,252,515
RAIL FASTENING MEANS
Paul Landis, Zurich, Switzerland
Application January 16, 1940, Serial No. 314,147
In Switzerland September 10, 1938
5 Claims. (Cl. 238—283)



1. In a railway track structure, a railway rail having a lateral flange, a support for said rail, a clamp member extending over said flange, a bolt engaging said support, a nut threaded on said bolt for moving the clamp member into engagement with the flange of the rail, a washer of resilient material mounted on said bolt immediately under said nut, a metal member mounted on the bolt between the clamp member and the resilient washer, and means providing a positive drive connection between the nut and the metal member whereby the metal member is rotated when the nut is turned on the bolt.

2,252,516
RACING GAME APPARATUS
Alan B. Le May, Beverly Hills, Calif.
Application August 17, 1940, Serial No. 353,140
9 Claims. (Cl. 273—138)



1. Game apparatus comprising: a base member; a circuit-card, rotatably positioned on said

base member, and having a series of loop-paths designated on said card and arranged to cross and re-cross each other about a center point; a progress member superposed on said circuit-card and pivotally secured to said base member eccentrically of the center point of the circuit-card, said progress member being adapted upon rotation to expose a curved line of progress along each path on the circuit-card; and a cover superposed on the assembly and having a segmental open area, arranged concentrically with the center point of the circuit-card to expose movement of the progress member over said circuit-card and provide a starting and finish line for each path.

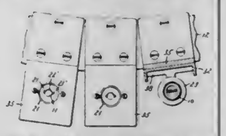
2,252,517

BASING MACHINE

Anthony James Marshaus, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application October 20, 1939, Serial No. 300,388

5 Claims. (Cl. 176—3)



1. In apparatus for securing bases to both ends of elongated electric lamps, a head comprising a fixed holder for a base to be applied to one end of a lamp, an adjustable holder shaped to engage either the opposite end of the lamp or another base thereon for supporting said lamp from its opposite end and positioning it in proper relation to said first mentioned base, a bracket member supporting said adjustable holder and having means thereon for resiliently urging said adjustable holder a limited amount toward said fixed holder, support means for said fixed holder and said bracket member, and means for attaching said bracket member at different positions spaced a considerable distance apart on said support means to permit said head to accommodate various lengths of lamps.

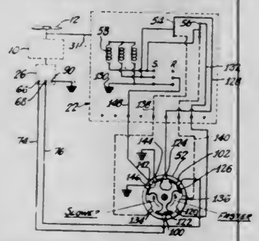
2,252,518

POWER PLANT CONTROL MEANS

Erle Martin, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application May 7, 1938, Serial No. 206,631

7 Claims. (Cl. 60—97)



3. In a multiple power plant speed and synchronizing control in which each power plant is equipped with a speed controlling governor, an electrically actuated remote control adjusting motor for each governor, a motor driving generator driven by each power plant, means for manually controlling each motor individually, means for selecting any power plant as a master and placing the remaining power plant under the automatic control of said master power plant including means for establishing an electric connection which will convert a phase difference in the output of said generators into a speed change controlling adjustment of the governor of the remaining power plant, and means for manually controlling the speed of the selected master power plant.

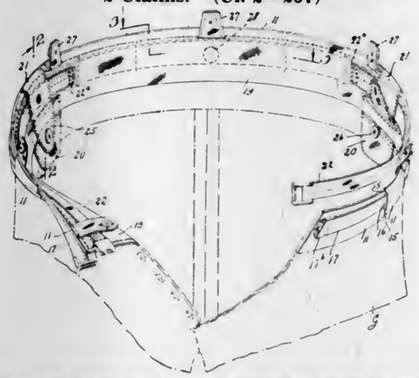
2,252,519

WAISTBAND FOR GARMENTS

Fred Ottusch, Ozone Park, N. Y.

Application May 22, 1940, Serial No. 336,492

2 Claims. (Cl. 2—237)



1. In a waistband for garments having a lining or curtain, semi-resilient concealed tightening straps extending forwardly from opposite sides of the inner face of said lining, and attached to said lining or curtain and bands attached to said curtain to form means for supporting said straps in forwardly directed positions, and pockets attached to said lining or curtain, the lower portions of said bands being adapted to extend over and conceal the mouths of said pockets and to be detachably fastened thereto.

2,252,520

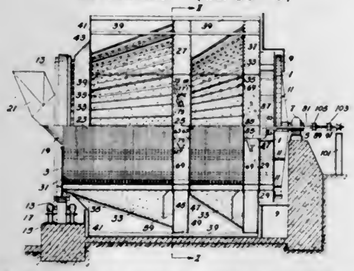
METHOD AND APPARATUS FOR TREATING GARBAGE AND THE LIKE WASTE MATERIALS

Kai Petersen, Soborg, near Copenhagen, Denmark

Application March 13, 1939, Serial No. 261,631

In Great Britain March 23, 1938

10 Claims. (Cl. 83—9)



1. A method of treating garbage and the like waste materials, which consists in subjecting the materials to a turning over, intermixing and grinding in revolving compartments forming successive communicating grinding steps, removing the sufficiently ground materials from the individual steps by screening, transferring the insufficiently ground and non-grindable materials from one grinding step to the following grinding step, returning the insufficiently ground and non-grindable materials from the said grinding step to the same, continuing this mode of operation until the grinding effect is materially reduced due to the increasing amounts of the difficultly grindable and non-grindable materials in the grinding compartments, then returning the said materials from the firstmentioned grinding step to the same and continuing the return of the said materials from the following grinding step to the same thereby effecting an exhausting grinding in the said step, discharging the remnants therefrom and finally continuing the firstmentioned mode of operation.

2,252,521

CELLULOSE ETHER VARNISH AND METHOD OF MAKING IT

Norman R. Peterson and Joseph L. Sherk, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 30, 1939, Serial No. 292,686

15 Claims. (Cl. 106—172)

1. The method which comprises cooking together a mixture consisting essentially of from 15 to 80 per cent of an oil of the glyceride type and an oil-soluble resin at a solution temperature between 400° and 600° F., adding to the mixture from 1 to 25 per cent of an organo-soluble cellulose ether, and a compound selected from the class consisting of lead compounds and zinc compounds soluble in the varnish cook; the said class of lead and zinc compounds being capable of accelerating and being employed in amount sufficient to accelerate the reactions among the oil, resin, and cellulose ether components, and to make the cellulose ether compatible with the other components in the absence of a mutual solvent; and continuing the cooking at a temperature above 400° F. at which the cellulose ether dissolves in the mixture until the cellulose ether is dissolved, thereby to produce a cooked oleo-resinous cellulose ether varnish which is miscible to form clear solutions with predominantly aliphatic hydrocarbon thinners containing only minor amounts of aromatics, irrespective of the oil length of the said cooked varnish.

12. A cooked oleo resinous varnish of oil length greater than 20 gallons comprising from 1 to 25 per cent of an organo-soluble cellulose ether, and miscible with predominantly aliphatic hydrocarbon thinners containing only a minor proportion of aromatics to form clear, stable varnish compositions.

2,252,522

METHOD OF MAKING CELLULOSE ETHER VARNISHES

Norman R. Peterson and Joseph L Sherk, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 30, 1939, Serial No. 292,687

10 Claims. (Cl. 106—172)

1. The method which comprises cooking together a mixture consisting essentially of from 15 to 80 per cent of an oil of the glyceride type and an oil-soluble resin at a solution temperature between 400° and 600° F., adding to the mixture from 1 to 25 per cent of an organo-soluble cellulose ether, and a zinc compound soluble in the varnish cook; the zinc compound being capable of accelerating, and being employed in amount sufficient to accelerate the reactions among the oil, resin, and cellulose ether components, and to make the cellulose ether compatible with the other components in the absence of a mutual solvent; and continuing the cooking at a temperature above 400° F. at which the cellulose ether dissolves in the mixture until the cellulose ether is dissolved, thereby to produce a cooked oleo-resinous cellulose ether varnish which is miscible to form clear solutions with predominantly aliphatic hydrocarbon thinners containing only minor amounts of aromatics, irrespective of the oil length of the said cooked varnish.

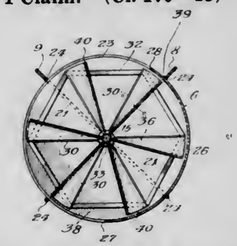
2,252,523

WINDMILL

Milton Plotkin, Chicago, Ill.

Application January 13, 1940, Serial No. 313,768

1 Claim. (Cl. 170—15)



A windmill comprising a support, a blade-equipped rotor on said support, a shield for said rotor on said support, said rotor and shield being independently rotatable, said shield having a side wall extending part way only around said shield and presenting a leading edge, and spaced apart fins on said shield at its rear side disposed at opposite sides of a diametrical line passing through said leading edge and the axis about which said shield rotates, one of said fins being located at said side wall and set in from the trailing edge of said wall to form, with said wall, a pocket, and the other of said fins being remote from said side wall.

2,252,524

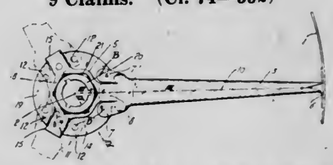
STEERING WHEEL

Henri Paul Marcel Quillery, La Garenne-Colombes, France

Application June 19, 1939, Serial No. 279,954

In France June 24, 1938

9 Claims. (Cl. 74—552)



1. A metallic frame for a steering wheel comprising in combination a hub, a rim and spokes extending between said hub and said rim and terminally secured thereto, spokes each of which is formed by a stamped metal plate having along at least the most part of its length substantially the form of a channel having a middle part and two arms, the inner end of the middle part of said channel being provided with a central bearing surface located substantially at right angles

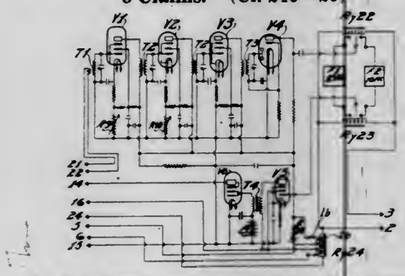
to the axis of said rim and the inner end of each of said arms being provided with a lateral bearing surface, projecting from said channel, the two lateral bearing surfaces of each spoke being substantially in the same plane which is distant from said central bearing surface in a direction parallel with said axis and a hub which is provided with two series of supporting surfaces substantially plane, arranged about said axis in registry with said central and lateral bearing surfaces respectively secured thereto, said hub including a stamped metal plate, means adapted to engage a steering column being located at the centre of said last named plate.

2,252,525

RAILWAY TRAIN CONTROL SYSTEM

Oliver Walter Reid and Errol du Preez Erasmus, Delville, Germiston, Transvaal, Union of South Africa

Application August 31, 1939, Serial No. 292,946
In the Union of South Africa September 16, 1938
8 Claims. (Cl. 246—29)



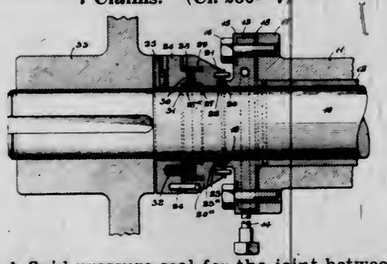
1. A railway train control system comprising for each train an electric wave signal transmitter and an electric wave signal receiver, brakes for each train, means for rendering the transmitter and the receiver alternately operative, and means controlled by the signal output of the receiver of a train due to signals received from the transmitter of another train, on reaching a predetermined strength due to relative approach of the trains, to apply the brakes of the train.

2,252,526

OUTSIDE TYPE SEAL

Francis Shenton, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania

Application May 6, 1939, Serial No. 272,275
7 Claims. (Cl. 286—7)



1. A fluid pressure seal for the joint between a shaft and a relatively stationary member through which the shaft extends, comprising an axially directed seal nose having a sealing surface, a metallic seal ring surrounding said shaft and contacting said sealing surface, a compressible packing ring engaging said metallic seal ring, additional substantially channel or C-shaped packing means mounted within cooperative adjacency to said seal ring with the inner and outer flanges of the channel or C extended in opposite directions substantially axially of the shaft, a recessed annular housing member having an operative connection with the metallic seal ring and mounted for limited axial movement on said shaft and having said packing means disposed in the recess thereof with the inner flanges of the packing means disposed to exert sealing pressure against said shaft, and means connecting said housing member for rotation with the shaft yet permitting limited axial movement thereof and whereby when fluid pressure is exerted in either direction axially of said shaft, it encounters the inner flanges of said rings and creates an unbalanced pressure on the housing member therefor and through the latter exerts a sealing thrust on the seal ring.

2,252,527

BODYING DRYING OILS WITH CELLULOSE ETHERS

Joseph L. Sherk and Norman R. Peterson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 3, 1938, Serial No. 211,600
12 Claims. (Cl. 106—171)

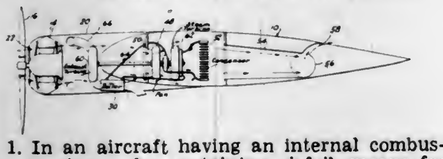
1. The process which consists in (1) mixing from 1 to about 15 per cent of a cellulose alkyl ether with correspondingly from 99 to about 85 per cent of a drying oil selected from the group consisting of linseed oil, menhaden oil, oiticica oil, perilla oil, safflower oil, soybean oil, sunflower oil, tung oil treated to retard gelation, and mixtures thereof, (2) heating the oil-cellulose ether mixture to a temperature in the range from 500° to 600° F., (3) cooking the mixture in the said temperature range (*a*) to produce a non-uniform gel, cooled samples of which are immiscible with mineral spirits (*b*) continuing the cooking at 500° to 600° F. through an intermediate physical stage of the oil-cellulose ether mixture wherein cooled samples are apparently uniform and less rigid gels than those in the first stage, and (*c*) continuing the cooking at 500° to 600° F. to produce a third and final stage of the oil-cellulose ether mixture, whereof cooled samples are clear and flowable, and are miscible with equal weights of mineral spirits to form clear solutions, the product being as homogeneous as, and more viscous than the same drying oil subjected to the same cooking schedule but without the cellulose ether.

2,252,528

AIRCRAFT

Igor I. Sikorsky, Trumbull, Michael E. Gluhareff, Stratford, and Roger W. Griswold, II, Old Lyme, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application July 16, 1938, Serial No. 219,490
4 Claims. (Cl. 244—53)



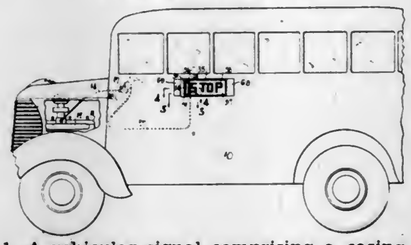
1. In an aircraft having an internal combustion engine and a sustaining airfoil, means for cooling said engine and improving the aerodynamic efficiency of said airfoil comprising, a fan in said airfoil for providing a flow of engine cooling air, and an exhaust fired steam driven turbine for operating said fan, a steam condenser located in said cooling air stream, and a rearwardly directed spanwise slot in the upper surface of said wing, pneumatically connected with said fan for discharging the engine cooling air in a rearwardly directed high velocity air jet along the upper surface of said airfoil.

2,252,529

VEHICULAR SIGNAL

Isaac W. Simpkins and Eugene R. Nelson, Charlotte, N. C., assignors to Power Brake Company, Charlotte, N. C., a corporation of North Carolina

Application September 6, 1940, Serial No. 355,640
3 Claims. (Cl. 116—39)



1. A vehicular signal comprising a casing secured on the side of the vehicle, a flexible diaphragm secured in the casing, a plate member having one end pivotally secured to the free side of the diaphragm, said plate also being pivoted intermediate its ends to the casing in an off-center relation to the diaphragm shaft, a signal board pivoted to the other end of said plate, a compression spring within the diaphragm for yieldingly holding the free side of the diaphragm outwardly from the vehicle to thereby hold the signal board substantially parallel to the side of the vehicle, means for applying suction to the said diaphragm to thereby cause said plate and board to rotate about said casing pivot to an extending position substantially at right angles to the side of the vehicle, a stop on the signal board, a stop on the plate, a tension spring secured to the pivot point of the plate and to the signal board to move with the plate member when it is pivoted by the diaphragm moving inwardly, said spring means normally maintaining the two stops in abutment and thereby holding the board in alinement with the plate member.

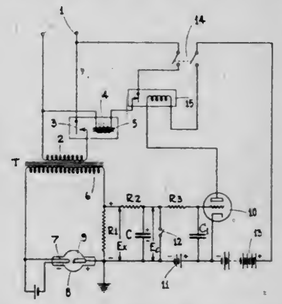
2,252,530

X-RAY TIMING APPARATUS

Raymond Llewellyn Sweeny, Forest Hill Village, Toronto, Ontario, and George Albert Richards, Toronto, Ontario, Canada, assignors to Ferranti Electric Limited, Toronto, Ontario, Canada

Application September 6, 1940. Serial No. 355,702
16 Claims. (Cl. 250—95)

1. Apparatus for timing X-ray exposures comprising a low resistance to be connected in the secondary circuit of the X-ray tube high-tension transformer, a timing circuit including a relatively high resistance and a condenser in series and connected in parallel with said low resistance, a control tube having a voltage-sensitive element connected to said condenser so as to respond to changes in the voltage across said condenser, switching and relay means connected with said control tube and with the primary winding of the X-ray high-tension transformer to cause automatic opening of said primary



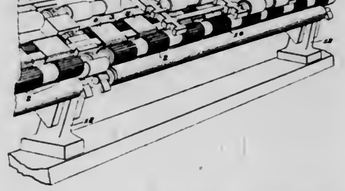
winding when said condenser has attained a predetermined charge, and means for compensating for the non-linear charge curve of the timing condenser.

2,252,531

SPINNING FRAME

Roderic D. Tarr, Biddeford, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine

Application October 11, 1939, Serial No. 298,941
4 Claims. (Cl. 19—130)



1. In a spinning frame, the combination of a lower drawing roll comprising a series of sections located end to end, bearings supporting said roll at intervals spaced therealong, and joints connecting said sections at said bearings, each of said joints comprising a disk interposed between the ends of two adjoining sections, said disk having radial tangs at opposite ends thereof and located at right angles to each other, and said sections having radial grooves in which said tangs fit, the grooves at opposite ends of each section being parallel with each other, whereby the section may be lifted out of the bearings supporting it without disturbing the adjoining sections.

2,252,532

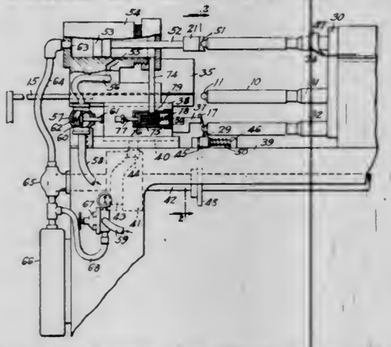
COLLAPSIBLE TUBE MAKING MACHINE

George W. Temple, New York, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York

Application September 21, 1939, Serial No. 295,859
13 Claims. (Cl. 29—38)

1. In a finishing machine for collapsible tubes having closed necks, a mandrel, means for mounting a tube on the mandrel and for simultaneously shaping the outer surface of the neck end of the tube, a grooving wheel, and means for exert-

ing a sudden blow on said neck end to thin a



predetermined area of said end to a predetermined extent.

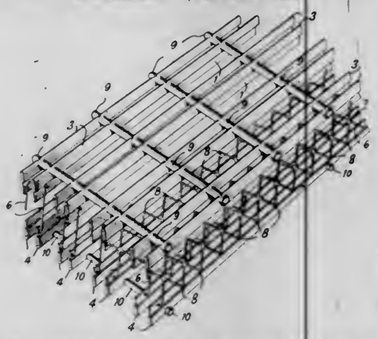
2,252,533

METALLIC STRUCTURE

Frederick Tench, White Plains, N. Y., assignor, by mesne assignments, to Structural Patents Corporation, New York, N. Y., a corporation of New Jersey

Application March 6, 1939. Serial No. 260,020

8 Claims. (Cl. 189—82)



7. A metallic structure comprising an upper bearing plate and a lower bearing plate set edgewise in the same vertical plane, the upper plate having its upper portion turned downwardly over upon one side of the upper portion of its body and the lower plate having its lower portion turned upwardly over upon the corresponding side of the lower portion of its body, said turned over portions of the plates lying in the same vertical plane, and a web member bridging the space between the free edges of the turned over portions of said plates and lapping over upon and side welded to said sides of the bodies of the plates in the plane of the turned over portions.

2,252,534

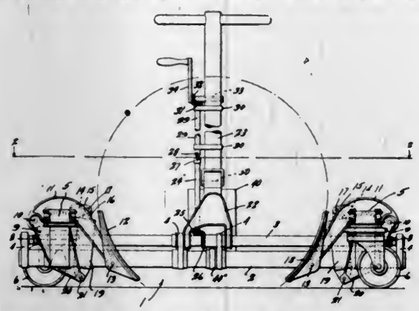
MOVABLE SUPPORTING DEVICE

John C. Trotter, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York

Application April 25, 1940, Serial No. 331,615

10 Claims. (Cl. 254—2)

1. A spotting dolly of the type adapted for movement in all directions on a supporting surface comprising a frame, arms pivoted to the frame, shoes pivoted to the arms and adapted to contact a wheel, means to move the pivoted arms to cause the shoes to contact the wheel, and



means to pivot the arms and shoes to raise the wheel.

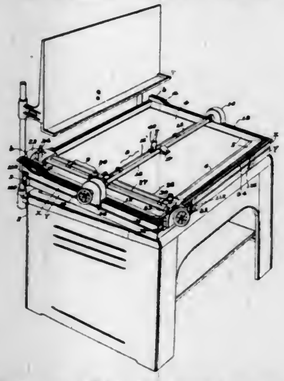
2,252,535

LINE-UP AND REGISTERING TABLE FOR PRINTERS

James West, Newton, and William M. Davis, Cambridge, Mass., assignors to Craftsman Line-Up Table Corporation, Waltham, Mass., a corporation of Massachusetts

Application November 9, 1939, Serial No. 303,550

18 Claims. (Cl. 33—184.5)



1. A line-up table structure comprising the combination of a table top, two carriages mounted for movement across said top at right angles to each other, straight edges mounted on said carriages, and racks supporting said carriages for said movement, the racks for one of said carriages including sections supporting the carriage for movement into a level out of the plane of operation of the other carriage.

2,252,536

PURIFYING PYROLYSATES OF HALOHYDROCARBONS

Ralph M. Wiley, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application March 27, 1939, Serial No. 264,485

4 Claims. (Cl. 260—654)

1. In a process for the pyrolysis of chlorinated hydrocarbons, wherein hydrogen chloride and a water-soluble compound selected from the group consisting of acetylene and monochloroacetylene are among the gaseous products, the steps which consist in passing the mixed products into intimate contact with a relatively small amount of cold water whereby to absorb selectively most of the hydrogen chloride to form a concentrated HCl solution, and then in a separate step intimately mixing the remaining product, which contains the said water-soluble acetylenic compound and remaining traces of hydrogen chloride, with a substantial excess of a liquid selected from the group consisting of water and dilute aqueous alkali solution, whereby the said water-soluble compound and remaining hydrogen chloride are dissolved, and the desired pyrolysates are purified with respect to hydrogen halide and said water-soluble compound.

2,252,537

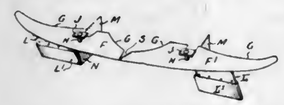
SPLASH GUARD FOR MOTOR VEHICLES

George Henry Wilson, Kurting, Victoria, Australia

Application September 6, 1939, Serial No. 293,642

In Australia October 4, 1938

5 Claims. (Cl. 293—55)



1. In a motor vehicle fitted with a front bumper, a transverse mudguard extending from side to side of the bumper and from the bumper to the vehicle body front, a downwardly and transversely extending additional mud stopper arranged under and near each end of said mudguard and a flexible curtain on each mud stopper to yield to and pass over low road obstacles, said additional stopper being positioned forwardly of and constructed considerably wider than a front wheel of the vehicle.

2,252,538

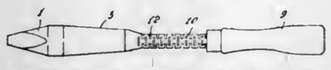
SOLDERING IRON

George Richard Young, Onehunga, Auckland, New Zealand

Application January 25, 1940, Serial No 315,581

In New Zealand February 13, 1939

2 Claims. (Cl. 219—26)



1. In a soldering iron adapted to be heated by an electrical element within a hollow bit, said bit having a mass of metal from one side of which the working end of the bit projects, an element chamber portion projecting from the other side of the mass of metal, said element chamber portion having its enclosing wall tapering from the mass of metal so that the wall where it joins the mass is relatively thick compared with the outer end of such chamber.

2,252,539

METHOD OF MAKING CORNER MEMBERS

Floyd W. Adams, Metuchen, N. J., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware

Application July 13, 1938, Serial No. 218,989

1 Claim. (Cl. 154—2)



The method of formation of an external structural corner member wherein the initial steps of preparation are carried out on sheet material arranged flatwise, which material without intervening fabrication is folded to form a corner member and which comprises the successive steps: bringing two separate suitably edge beveled base sheets into co-planar relation and in substantially edge to edge contact to provide a V-shaped recess between the sheets, securing the sheets one to the other in such relation by means of a thin flexible strip adhered over and adjacent the line of edge contact of the sheets, applying an adhesive to the face surfaces to which the flexible strip is adhered and coating such surfaces and strip therewith, providing a continuous surfacing with granular material applied to such adhesive coating and embedded therein, folding the treated sheet to bring the beveled surfaces thereof into contact and applying to the interior of the fold a securing and reinforcing strip securing the sheets in their folded relation.

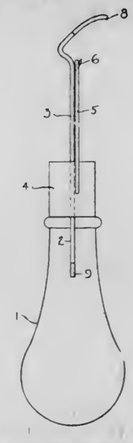
2,252,540

CRACK CUTTER

Erling B. Archer, Flushing, N. Y.

Application May 22, 1939, Serial No. 274,955

6 Claims. (Cl. 30—171)



1. A tool comprising a handle having a slot in one end thereof, a blade having one end inserted in said slot, said blade having a struck out lug in the portion thereof lying outside said slot, and a bail pivoted to said handle at the free ends thereof with the bight engaging said lug and retaining the blade in the slot of the handle against pulling forces.

2,252,541

ELECTRIC STEAM GENERATOR

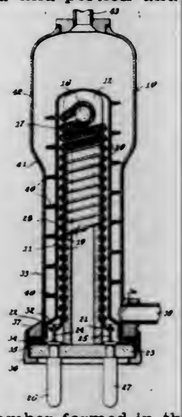
Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 16, 1940, Serial No. 319,215

9 Claims. (Cl. 219—39)

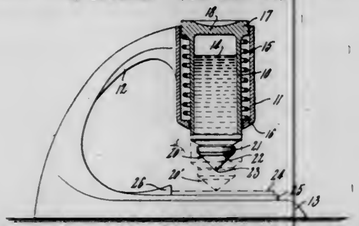
1. A steam generator comprising an envelope adapted to contain water and steam, a heater positioned within the envelope and spaced therefrom, the lower portion of said heater being close to said envelope whereby water therebetween is rapidly heated, said spacing between said heater and said envelope abruptly increasing at a midportion of said heater whereby the water level is

indicated at said mid-portion and an enlarged



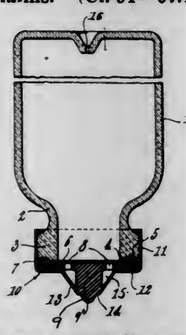
heated steam chamber formed in the upper portion of said envelope.

2,252,542
ADHESIVE DISPENSER
Louis Beeh, Longmeadow, Mass.
Application March 21, 1940, Serial No. 325,227
4 Claims. (Cl. 91—43)



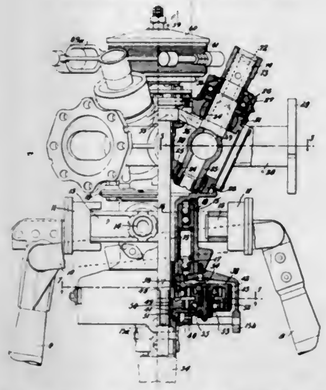
1. An adhesive dispenser comprising a container for the adhesive, a dispensing cap at one end of said container, and means for resiliently supporting said container above a surface comprising a receptacle surrounding said container and a depressible spring arranged to displaceably support said container within said receptacle and normally above the dispenser base to permit said cap to be displaced to a position against said surface.

2,252,543
LIQUID DISPENSER
Louis Beeh, Longmeadow, Mass.
Application October 25, 1940, Serial No. 362,702
6 Claims. (Cl. 91—67.4)



1. A liquid dispenser including, in combination, a container having an opening, and a closure for the opening, said closure comprising a rigid integral member attached to the container and having an orifice, and a deformable integral member having a portion extending between the rigid member and container to form a liquid-tight seal for the joint therebetween, and also having another portion with a tip projecting through said orifice in liquid-tight engagement therewith to seal the orifice as the sole result of the elasticity of the deformable member after the application of external pressure to the tip to open the orifice.

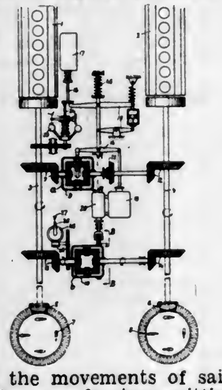
2,252,544
AIRCRAFT HAVING ROTATIVE SUSTAINING WINGS OR BLADES
James Allan Jamieson Bennett, Esher, England, assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application April 30, 1938, Serial No. 205,352
Renewed July 20, 1939
In Great Britain April 30, 1937
23 Claims. (Cl. 244—18)



1. In an aircraft having a bladed sustaining rotor, mounting means for a blade providing for conjoint lagging and pitch reducing movement thereof with respect to the hub of the rotor, and driving mechanism for the rotor including a driving member having freedom for limited rotational movement with respect to the hub coaxially thereof and having driving connection with the blade imparting a lagging moment thereto with reference to movement of the blade on its mounting means.

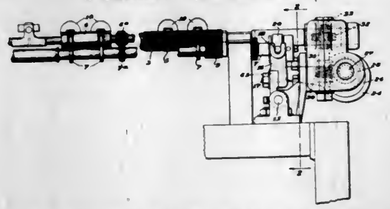
2,252,545
SYNCHRONIZER
Walter Benz, Leverkusen-Schlebusch, Germany, assignor to Klöckner-Humboldt-Deutz Aktiengesellschaft, Cologne-Deutz, Germany, a corporation of Germany
Application May 21, 1940, Serial No. 336,337
In Germany February 17, 1939
10 Claims. (Cl. 60—97)

1. In a device for synchronizing shafts driven by separate prime movers at least one of which has a speed-changing device, means geared to both said shafts comprising an actuating member movable in dependency upon the size and direction of any discrepancies between the angular movements of said shafts, means geared to both said shafts comprising an actuating member movable in accordance with the direction of any deviations of the instantaneous relative angular positions of said shafts from one or more predetermined relative angular positions, means for



compounding the movements of said actuating members, and means for transmitting the compounded movement to said speed-changing device.

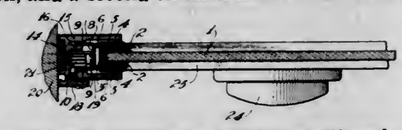
2,252,546
SLIVER DRAWING MECHANISM
Edmund E. Blake, Saco, Maine, assignor, by mesne assignments, to Saco-Lowell Shops, Biddeford, Maine, a corporation of Maine
Application October 29, 1936, Serial No. 108,191
2 Claims. (Cl. 19—133)



1. In a machine of the character described, the combination of a series of drawing units arranged side by side, each of said units including a plurality of pairs of drawing rolls arranged one in advance of another to feed and draw a sliver, each pair including an upper roll and a lower roll, a trumpet mounted in position to guide a sliver into the bite of the rearmost pair of said rolls, another pair of rolls located between adjacent pairs of said feeding and drawing rolls for folding the sliver as it passes from one of the latter pairs of rolls to the next, the lower rolls of said units being common to the series and being driven, a bar on which the trumpets for said units are secured, means supporting said bar for reciprocating motion in a direction parallel to said rolls, a lever mounted at one end of said series of units, a worm gear mechanism for rocking said lever, and means connecting one end of said lever with said bar and with the lower of said folding rolls to traverse said bar and said lower roll in unison.

2,252,547
BUS OR CAR WINDOW CONSTRUCTION
Siegfried E. Blessin, Short Hills, N. J., assignor to Transportation Sash Co. Inc., Topton, Pa., a corporation of Pennsylvania
Application September 7, 1939, Serial No. 293,668
4 Claims. (Cl. 189—73)

1. In a window construction, a window sash, a channel member having a bottom wall engaging said sash, a plurality of torsion springs mounted on the bottom wall of the channel member, each of said springs having a fixed leg and a movable leg and an intermediate coil portion, and a second channel member in which the



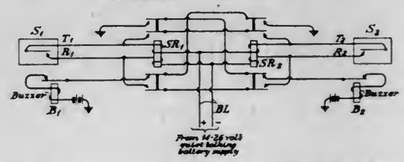
first channel member is slidably positioned, said channel members opening towards each other, the coiled portions of said springs bearing against the bottom wall of the second channel member and exerting at all times substantially the same force.

2,252,548
PARASITICIDAL COMPOSITION
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 17, 1939, Serial No. 290,634
16 Claims. (Cl. 167—24)

1. An insecticidal composition comprising a terpin lower fatty acid ester and a diluent.

3. An insecticidal composition comprising a terpin lower fatty acid ester supported on a finely divided solid from the group consisting of comminuted derris root, cube root, tobacco, timbo root, and pyrethrum flowers.

2,252,549
INTERCOMMUNICATING CIRCUIT
Raymond Carter Bradford, Hamden, and George Clifford Clark, West Haven, Conn., assignors to American Telephone and Telegraph Company, a corporation of New York
Application July 23, 1940, Serial No. 346,966
5 Claims. (Cl. 179—1)

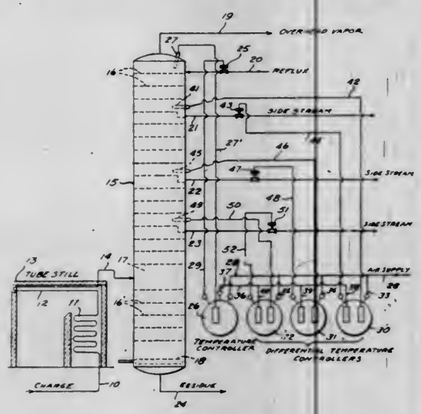


1. In a telephone system, a line, a station at each end thereof, relay means for each station respectively actuated by closure of the line thereat, a signal device at each station responsive to actuation of the relay means of the distant station and disabled in response to actuation of the near relay means, and means effective upon actuation of both relay means to maintain both relay means actuated until the line is opened at both ends.

2,252,550
FRACTIONAL DISTILLATION
Leslie B. Bragg, Scotch Plains, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application December 28, 1938, Serial No. 248,068
8 Claims. (Cl. 196—141)

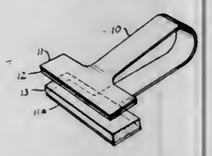
3. Apparatus for fractionally distilling hydrocarbon oils and the like comprising a fractionating tower, means for introducing vaporized oil into the tower, means in the tower for passing the vapors in contact with reflux, means for withdrawing a stream from a portion of the

tower, a valve for controlling the quantity of said stream withdrawn from the tower, a temperature controller for regulating the setting of said valve and operating in response to a thermostat disposed in said portion of the tower, the operation of the temperature controller being modified by another thermostat disposed in another portion of said tower and operating to maintain a substantially uniform boiling range of the product withdrawn from said other portion by



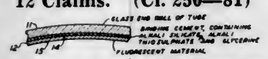
controlling the reflux at the other portion of the tower independently of the control of the quantity of said stream withdrawn from the tower, the combined action of both thermostats resulting in the maintenance of a substantially constant difference in temperature between said portions of the tower where by the boiling range of the product withdrawn from said first mentioned portion of the tower is automatically maintained substantially constant.

2,252,551
MASCARA APPLICATOR
John C. Brollier and Eleanor G. Brollier, Los Angeles, Calif., assignors to Arthur O. Hanisch, Altadena, Calif.
Application October 12, 1939, Serial No. 299,054
4 Claims. (Cl. 132—1)



1. An applicator device having resilient absorbent complementary means adapted to simultaneously engage substantially the entire length of each of a plurality of eyelashes, at least one of said means being impregnated with a supply of mascara in a moist state sufficient for a repeated number of applications over a period of time, other means whereby a positive pressure may be transferred to said resilient means to bring the same into pressure contact with each other with the eyelashes there between to cause said resilient means to be compressed to exert a yielding pressure on the eyelashes and to discharge a portion of said mascara upon substantially the entire surface of each eyelash so engaged.

2,252,552
LUMINESCENT COATING
Chester J. Calbick, Chatham, and John C. Cook, Westwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 5, 1940, Serial No. 343,994
12 Claims. (Cl. 250—81)



1. A binder for securing fluorescent material to its supporting member comprising a permanent binding material selected from the group consisting of silicates and borates soluble at room temperatures in water, a thiosulphate which is unstable at temperatures below 500° C. of a substance selected from the group consisting of the alkali and the alkaline earth metals and the ammonium radical, water, and a substance selected from the group consisting of the dihydric and trihydric alcohols which are soluble in water at room temperatures to delay evaporation of water from the binder.

2,252,553
SAFETY GRIP ELECTRIC PLUG
Joseph Campbell, Bergenfield, N. J.
Application January 17, 1940, Serial No. 314,201
3 Claims. (Cl. 173—361)



1. In a safety grip electric plug, an insulation body formed with a groove extending longitudinally along one side thereof, an electric wire extending along and within said groove, a slide extending between the walls of said insulation body forming said groove for protecting said wire where it extends within said groove and means for releasably holding said slide in position along the open side of said groove.

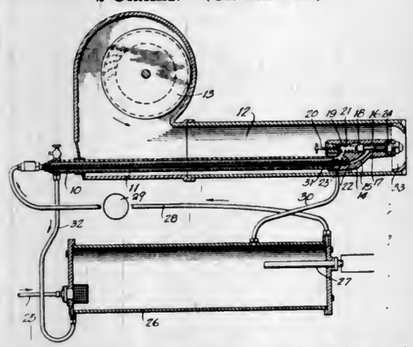
2,252,554
POLYMERIC MATERIAL
Wallace Hume Carothers, deceased, late of Wilmington, Del., by the Wilmington Trust Company, Wilmington, Del., executor, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1938, Serial No. 230,724
14 Claims. (Cl. 260—78)

1. A process which comprises heating at reaction temperature a polyamide-forming composition comprising at least four polyamide-forming reactants, at least one of which is a diprimary diamine and at least one other of which is a substance of the class consisting of dicarboxylic acids and amide-forming derivatives of dibasic carboxylic acids, the complementary amide-forming reactants in said polyamide-forming composition being present in substantially equimolecular proportions, and continuing said heating until a polymeric product is obtained which is capable of being formed into continuous filaments.

2,252,555
POLYMERIC MATERIAL
Wallace Hume Carothers, deceased, late of Wilmington, Del., by Wilmington Trust Co., Wilmington, Del., executors, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 4, 1939, Serial No. 266,014
11 Claims. (Cl. 260—78)

1. An interpolymer obtained by polymerization of bifunctional reactants comprising at least one diamine having at least one hydrogen attached to each amino nitrogen atom, at least one polymerizable monoaminomonocarboxylic acid, and at least one dibasic carboxylic acid.

2,252,556
OIL BURNER
Glenn F. Crosiar, Chicago, Ill.
Application January 26, 1939, Serial No. 252,947
2 Claims. (Cl. 158—36)



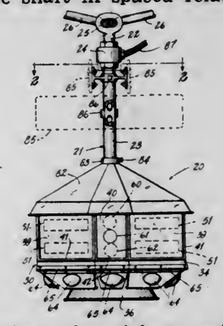
1. In an oil burner, the combination of an elongated oil tube, a nozzle at the forward end of said tube, an elongated oil jacket surrounding the oil tube, and a preheater and connections between the oil tube and the upper portion of the preheater and the jacket and adapted to discharge preheated oil through the oil tube and simultaneously maintain circulation through the jacket tube and back to the lower portion of the preheater, and a relief valve communicating with the oil tube and with the oil jacket and provided with a yieldable valve member adapted under excessive pressure to admit oil from the oil tube to the oil jacket for return circulation therethrough.

2,252,557
POLYMERIC MATERIALS
Edward Peter Czerwin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 4, 1939, Serial No. 266,001
12 Claims. (Cl. 260—78)

1. An interpolymer obtained by polymerizing a mixture of polyamide-forming reactants comprising hexamethylenediamine and at least two additional amide-forming reactants one of which is adipic acid, and the other of which is a substance of the class consisting of 6-aminocaproic acid and its amide-forming derivatives.

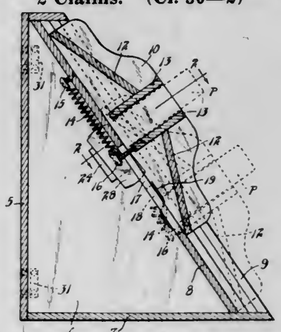
2,252,558
TRAFFIC APPLIANCE
Henry W. Dodson, St. Louis, Mo.
Application April 26, 1939, Serial No. 270,088
3 Claims. (Cl. 88—78)

1. A traffic device comprising means for supporting said traffic device above the street in the intersection, a shaft connected to the supporting means, a plurality of clear reflectors supported by the shaft in spaced relation thereto



forming a polygonal periphery, said reflectors providing means for a motorist approaching the intersection to determine the traffic on the intersecting streets and on the street on which he is moving.

2,252,559
CIGARETTE PACKAGE OPENER
Henry N. Dreis, Duluth, Minn.
Application August 15, 1938, Serial No. 224,859
2 Claims. (Cl. 30—2)

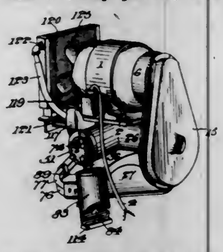


1. An opener for cigarette packages and the like comprising a box-like receptable having a slanting face thereon, a pair of cutters supported by said receptacle adjacent said slanting face and positioned substantially at right-angles to each other, a cigarette package receiver slidably mounted on said slanting face, said receiver including a compartment adapted to hold a package of cigarettes and the like substantially at right-angles to said slanting face, said movable receiver being constructed to permit movement of a package to be opened to cutting engagement with said cutters, one of said cutters being so positioned relative to said movable receiver that it will engage and cut side wall portions of a package, and said other cutter being so positioned that it will come into cutting engagement with an end wall portion of said package and said cutters being so positioned relative to each other that the cuts in said package will intersect.

2,252,560
WIRE STRAPPING TOOL
Herbert Embree, Hamilton, Ontario, Canada, assignor to Griplock, Inc., New York, N. Y., a corporation of Delaware
Application April 25, 1939, Serial No. 269,883
5 Claims. (Cl. 140—93)

1. A wire strapping tool for sealing and sev-

ering straps placed around packages comprising a manually portable and operable head having sealing and severing mechanisms, a stationary means for generating hydraulic power to operate said mechanisms, a flexible conduit connecting the head and the stationary means to permit the head to be manually brought into operable relationship with a strap placed around a pack-



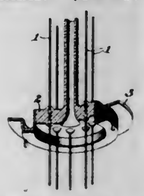
age and to provide for circulation of the hydraulic medium through the stationary means and the head, and a manually operable valve carried by the head for actuation by the operator after the head has been manually brought into operable relationship with a strap placed around a package to cause the hydraulic medium to activate the sealing and severing mechanisms.

2,252,561

WIRE FEEDER

William T. Engel, Irvington, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 19, 1940, Serial No. 357,353
12 Claims. (Cl. 140—132)



1. In a wire-feeder, the combination of a hopper with a V-shaped bottom open at one end and inclined to the horizontal plane, a conveyor, a pincher with two jaws for positively gripping the lowermost wire in the bottom of said hopper, said pincher being mounted on said conveyor for withdrawing and up-ending said wire, means for opening the jaws to release the wire in its up-ended position, a funnel, a chute positioned to receive the released wire and guide it into said funnel, a gate in the funnel above the lower end of said funnel for stopping said wire in said funnel, means for moving said funnel over the unloading position of the wire, and means for opening said gate.

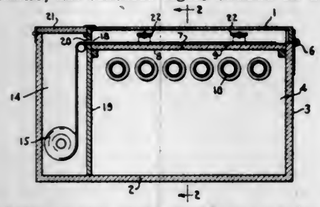
2,252,562

APPARATUS FOR MAKING OF PHOTOGRAPHIC CONTACT COPIES OF DOCUMENTS

William Ganley, New York, N. Y.

Application July 24, 1940, Serial No. 347,183
4 Claims. (Cl. 95—73)

1. In a device of the character described to reproduce printed or other material on sensitized paper; a container having top, bottom, end, and side walls, a diffusing plate of glass therein, a coating on one side of said plate of green zinc sulfide, a coating on the other side of yellow zinc sulfide, an electric light source in said con-



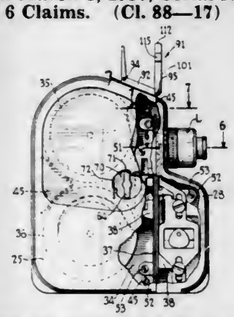
tainer below said plate, and means to connect current to said light source.

2,252,563

MOTION PICTURE CAMERA

Otto W. Githens and George Kende, New York, and Everett M. Porter, Brooklyn, N. Y., assignors, by mesne assignments, to Universal Camera Corporation, New York, N. Y., a corporation of Delaware

Application March 3, 1937, Serial No. 128,728
6 Claims. (Cl. 88—17)



1. A camera casing comprising three cooperating parts, each of said parts having bottom walls, the first of said parts having an upstanding continuous peripheral side wall forming a box-like member, the second and third of said parts being provided with upstanding side walls extending around the periphery of all but a portion of one edge of the bottom walls thereof, leaving one side of said second and third parts open, said open sides being parallel to each other and adapted to be contiguously disposed to form a second box-like member having a continuous peripheral side wall similar to the side wall of said first part, and a ridge surrounding each of said open sides, spaced from the periphery thereof and adapted to define a groove between said ridges when said second and third parts are in assembled relationship, said groove being adapted to receive therein a wall of a mechanism supporting frame, having a corresponding ridge adapted to fit in said groove to form a light seal at the junction of said second and third parts.

2,252,564

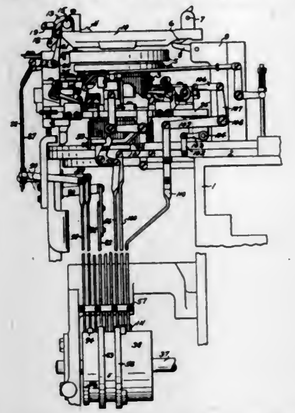
SPLIT-FOOT KNITTING MACHINE

Isaac H. C. Green, Central Falls, and Eugene St. Pierre, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I, a corporation of Massachusetts

Application October 18, 1939, Serial No. 300,058
9 Claims. (Cl. 66—41)

1. In a knitting machine the combination of means for knitting split fabric including two feeding stations, means thereat for feeding non-elastic yarns, means for feeding an elastic yarn

at one of said feeding stations in combination with needle dividing means for presenting spaced



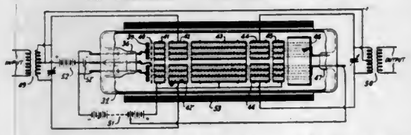
needles to take said elastic yarn and to knit it in combination with non-elastic yarn knitted at the other feeding station.

2,252,565

ELECTRON DISCHARGE DEVICE

Andrew V. Haeff, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 9, 1940, Serial No. 323,071
10 Claims. (Cl. 250—150)



1. An electron discharge device having means for supplying electrons, means for forming said electrons into a plurality of closely adjacent parallel beams, electrode means adapted to receive an alternating potential for simultaneously controlling said plurality of beams, other electrode means including a tubular electrode having a plurality of electrically connected partitions extending longitudinally of said electrode for providing a plurality of closely adjacent parallel cellular passages extending therethrough and through which said electron beams are directed, each of said beams substantially filling its respective cellular passage whereby said beams are closely adjacent each other but have no electrical effect on each other, and electrode means for receiving said beams.

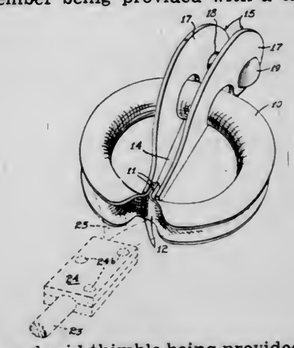
2,252,566

OPEN SIDE CLEVIS

Andrew A. Hocher, Etna, Pa., assignor to Hubbard and Company, a corporation of Pennsylvania

Application August 6, 1940, Serial No. 351,602
16 Claims (Cl. 24—115)

16. A pressed steel clevis of the character described which comprises a thimble of concavo-convex section with its annular groove on the outside, a support member contacting with said thimble at a plurality of spaced points and adapted for connection to an operatively associable member and means for securing said support member to said thimble at the contact points to produce a clevis which will withstand strains to which it may be subjected during use, said support member being provided with a tapered ex-



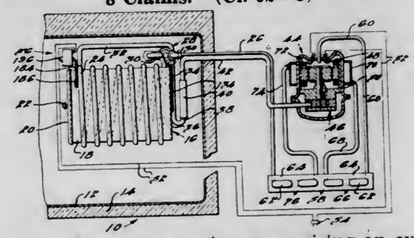
tension and said thimble being provided with portions adapted to cooperate therewith for interlocking purposes.

2,252,567

ART OF REFRIGERATION

Earl F. Hubacker, Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application March 14, 1938, Serial No. 195,815
8 Claims. (Cl. 62—8)



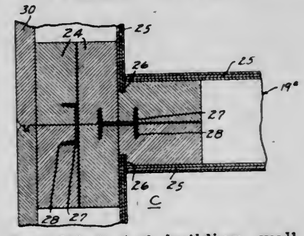
1. A refrigerating system comprising an evaporator, means for supplying fluid refrigerant to said evaporator and for evacuating fluid refrigerant from said evaporator, including means for controlling the flow of refrigerant to said evaporator, said control means comprising a valve and means responsive to the heat existing in the discharge portion of said evaporator and to the heat existing in a fin forming part of said evaporator for operating said valve.

2,252,568

PREFABRICATED BUILDING STRUCTURE

Ross T. Hulslander, Birmingham, Ala.

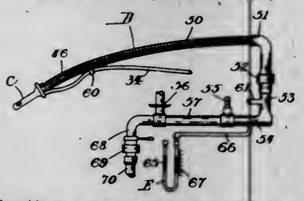
Application June 30, 1939, Serial No. 282,115
6 Claims. (Cl. 20—1)



1. In a prefabricated building, wall sections comprising framing with end stud elements, continuous matching undercut grooves formed in

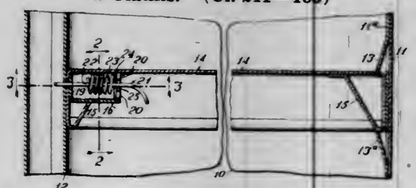
the stud faces that abut at a wall section joint, floor framing, overhead framing, a foundation wall, anchor plates fast in the foundation wall, metallic spline elements conforming to said matched grooves and adapted to be driven down therethrough to tie wall sections together, and means to interlock said splines and plates together and to the floor and overhead framing.

2,252,569
IRRIGATING APPARATUS
Rodney S. Kennison, Los Angeles, Calif.
Application December 23, 1938, Serial No. 247,347
2 Claims. (Cl. 128—227)



1. Irrigating apparatus, comprising a table for supporting a body to be treated, an egress duct for flushing liquid rigidly mounted upon the table, an upwardly extending tubular swivel on said egress duct having a laterally extending elbow adapted to swing in a horizontal plane, an inelastic flexible duct connected with and carried by said elbow and having a freely movable extremity for application to a body orifice, said duct consisting of a spiral band having sufficient immobility when flexed and applied in use to retain the free end thereof normally in juxtaposition to said orifice without the aid of the operator, and said swivel permitting said duct to be swung away from the orifice clear of the body on the table when not applied.

2,252,570
CABINET SHELF SUPPORTING MEANS
Harvey G. Knuth, Elgin, Ill., assignor to Modern Steel Equipment Company, Geneva, Ill., a corporation of Illinois
Application June 22, 1940, Serial No. 341,888
2 Claims. (Cl. 211—183)



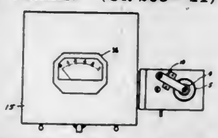
1. A cabinet shelf supporting latch comprising a single piece latch housing having a main, two sides and front end walls, the end wall having a slot while the side walls at the rear end of the housing are provided with opposingly disposed lugs; a transversely slotted plate of dimensions less than the inside dimensions of the housing adapted to be edgewisely insertible through the rear end of the housing and normally seatable against said lugs; a plunger adapted to extend through the slot in the front end wall and provided with lateral extensions adapted to limit its forward movement while the rear end of the plunger is of dimensions less than the length of the slot in said plate to permit the latter to be canted on the plunger; and a coil spring encircling the plunger intermediate of its lateral extensions and said plate whereby the forward end of the plunger is forced through the slot in the front end wall and said plate held against said lugs; the associated plunger, spring and plate being all insertible through the rear open end of the housing when said plate is canted on the plunger.

2,252,571
EASEL
Milton Kohn, Chicago, Ill.
Application June 23, 1939, Serial No. 280,786
15 Claims. (Cl. 40—124.1)



14. A collapsible easel comprising two oppositely disposed sheet material members having an accordion plait member therebetween adjacent the lower ends, the upper end of one of said members being hingedly connected with the other of said members at a point remote from the lower end thereof, and an inwardly extending cut-out tongue integral with one side of said plait and extending in substantially the same plane therewith and automatically operative to engage the opposite member to retain said easel open.

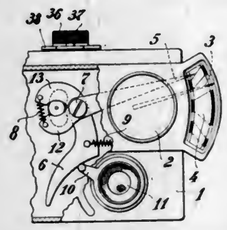
2,252,572
COMBINED THIXOTROMETER AND VISCOSIMETER
Gregor Leighton Lang, Newark, N. J.
Application June 16, 1938, Serial No. 214,006
2 Claims. (Cl. 265—11)



1. A viscosimeter of the character described having in combination, a cylindrical specimen container, a vertical support, a fixed mounting bracket near the top of said support, a slidable mounting bracket having a hole for said specimen container and being slidable vertically on said vertical support, an indent locking mechanism for fixing said slidable mounting bracket in various positions on said vertical support, a metallic ball, a movable electrically operated supporting and releasing mechanism holding said ball above and coxial with said specimen container, two coils supported by said mounting brackets and placed coaxially on said specimen container, an oscillator circuit connected to said coils, variable tuning means for adjusting the circuit to greatest sensitivity, and indicating means for giving a positive indication when said metallic ball moves through said coils.

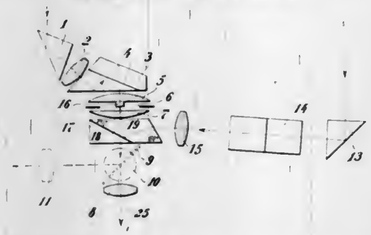
2,252,573
MOTION PICTURE CAMERA WITH EXPOSURE METER
Ludwig Leitz, Helmut Becker, and Heinrich Brosehke, Wetzlar, Germany, assignors, by mesne assignments, to Frank Dumur, Lausanne, Switzerland
Application March 25, 1939, Serial No. 264,102
In Germany April 1, 1938
1 Claim. (Cl. 95—10)

In a photographic apparatus having an objective, an objective diaphragm, a rotatable shutter adjustable as to sector opening and speed of rotation, a governor for regulating the latter, means for determining the correct exposure comprising in combination a photoelectric cell with a needle actuatable thereby, an indicating pointer adapted to register with said needle to indicate correct exposure, diaphragm adjustment means, shutter sector adjustment means, governor adjustment means, mechanism operatively connecting said diaphragm adjustment means with said



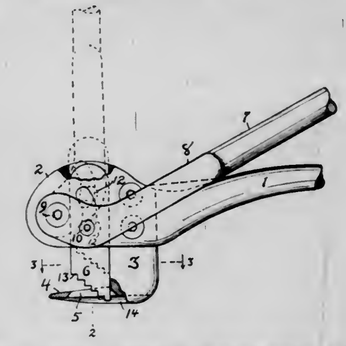
pointer to move the latter a distance towards the deflected needle to indicate the adjusted value of said diaphragm, a coupling member for selectively operatively connecting said pointer with the shutter sector adjustment means or with the governor adjustment means and means for manually actuating said coupling member to move said pointer an additional distance into registry with said needle and simultaneously therewith to adjust either the shutter or the governor to accord with the adjusted value of a diaphragm.

2,252,574
PHOTOGRAPHIC DISTANCE METER
Ludwig Leitz, Wetzlar, Germany
Application May 22, 1940, Serial No. 336,511
In Germany August 7, 1939
1 Claim. (Cl. 88—2.6)



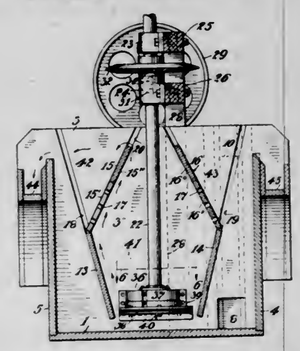
In a photographic distance meter for combining the direct incoming image forming rays with reflected image forming rays comprising an image erecting prism telescope system including a relatively small reflecting mirror in the optical axis of said system and positioned in the intermediary image forming plane thereof, an optical system positioned to one side of said optical axis for reflecting image forming rays into said telescope system, an additional prism element positioned in said optical axis and providing free passage of the direct incoming rays and having a totally reflecting surface for receiving said reflected image forming rays and reflect them into said mirror, the latter being positioned to receive said totally reflected rays and reflect them back towards and through said additional prism element, said reflected image forming rays and said direct rays passing through said prism element into the ocular of said system.

2,252,575
SURGICAL TOOL FOR CUTTING PLASTER CASTS
Earl E. Longfellow, Warsaw, Ind., assignor to Harry Herschel Leiter, Warsaw, Ind.
Application June 18, 1940, Serial No. 341,195
4 Claims. (Cl. 30—194)



1. In a cutting tool for plaster casts, a handle having a head at one end thereof provided with a rigid pendent jaw, there being a die opening formed in a forwardly projecting extension of said jaw and a longitudinal throat in the bottom thereof, a punch having sliding movement in said head, its lower end being shaped to have a series of offsets extending from the front of the punch diagonally downward through said die opening when the punch is in lowermost position, an operating lever having a forked end disposed astride of said head and pivotally connected thereto, and a drive pin in connection with said lever extending through slots in said head and punch wherefore said punch is actuated upon operation of said lever.

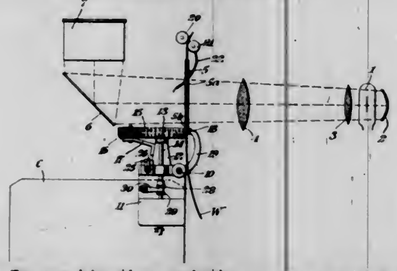
2,252,576
FLOTATION APPARATUS
John C. MacIntosh, Douglas, Ariz., assignor to Phelps Dodge Corporation, New York, N. Y., a corporation of New York
Application December 31, 1938, Serial No. 248,824
9 Claims. (Cl. 209—168)



1. Flotation apparatus comprising a cell adapted to contain a body of pulp, a rotor mounted for rotation in said cell about a substantially vertical axis, the bottom of said rotor comprising porous material, and means for passing a gas into said rotor for emergence through said porous material, said rotor having blades projecting therefrom below said porous material for impart-

ing an outward throw to gas emerging through said material and for impelling pulp positively outwardly through the zone of gas injection.

2,252,577
PRINTER-PROJECTION SYSTEM
David F. Newman, Rockville Centre, N. Y., assignor to Trans-Lux Corporation, New York, N. Y., a corporation of Delaware
Application August 26, 1938, Serial No. 226,992
3 Claims. (Cl. 88—24)



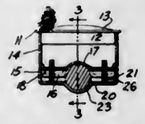
1. In combination, printing means comprising a printing wheel for printing lines of characters transversely on a transparent or translucent web, means for drawing said web upwardly from said printing wheel, said drawing means being spaced above said printing wheel to such extent that there is formed therebelow a substantially vertical projection field having sufficient height to receive several of the printed lines at a given time, means comprising a projecting system for passing a projecting light beam substantially horizontally through said projection field, said projecting system comprising a condenser lens at one side of said projection field and an objective lens at the other side thereof, and means comprising a shaft remaining continuously in a vertical position on which said printing wheel is rotatively supported in a horizontal plane, the plane of said printing wheel coinciding with each printed line as the latter is printed, the horizontal plane of said printing wheel as it prints on the web being disposed substantially at right angles to the substantially vertical plane of said projection field.

2,252,578
INSULATION OF BUILDINGS
Harry D. Powell, Findlay, Ohio
Application April 26, 1939, Serial No. 270,140
2 Claims. (Cl. 20—4)



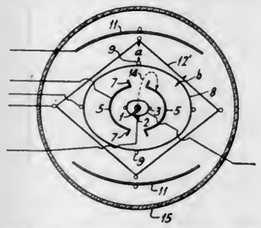
1. The method of insulating a building having an inter-wall chamber comprising the steps of establishing an entrance opening to said chamber, inserting through said opening a flexible wall water-proof container, projecting said container into said chamber away from the opening, and charging said container with insulating material and thereby effecting the isolation of said material from moisture laden air.

2,252,579
THERMOMETER SUPPORT FOR AUTOMOBILES
Abraham W. Rosen, New York, N. Y.
Application March 26, 1941, Serial No. 385,227
3 Claims. (Cl. 248—230)



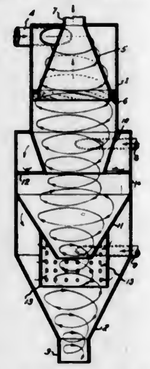
3. Clamping means for a circular indicating mechanism comprising a deep cup carrying said mechanism having its diameter slightly reduced near its bottom and its bottom provided with a plurality of outer grooves in angular relation to each other for the reception of a support member in selected grooves, a clamping element comprising a shallow cup having its sides snugly fit over the reduced sides of said deep cup and having a bottom with a single inner groove for the reception of said member, and means to draw said deep and shallow cups together and tightly against said member.

2,252,580
ELECTRON DISCHARGE DEVICE
Horst Rothe and Werner Kleen, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 23, 1939, Serial No. 263,604
In Germany April 8, 1938
5 Claims. (Cl. 250—27.5)



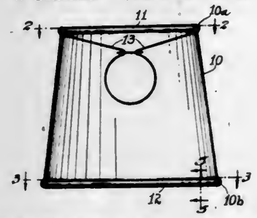
1. An electron discharge device having a cathode for supplying electrons and an anode for receiving said electrons, a grid surrounding said cathode, a screen grid surrounding said control grid and cathode and provided with portions impermeable to electrons and other portions permeable to electrons for providing radial electron beams from said cathode, a second control grid surrounding said screen grid and having rods positioned in the path of the electron beams and a second screen grid surrounding said second control grid, portions of said second screen grid and second control grid being more closely spaced at the impermeable portions of the first screen grid than other portions for providing, during operation of the tube, a more positive space potential between said first screen grid and said second control grid at the impermeable portions of the first screen grid than the space potential between the permeable portions of the first screen grid and the rods of said second control grid.

2,252,581
SELECTOR
Eugène Camille Saint-Jacques, Paris, France
Application May 16, 1939, Serial No. 274,036
In France May 25, 1938
5 Claims. (Cl. 209—144)



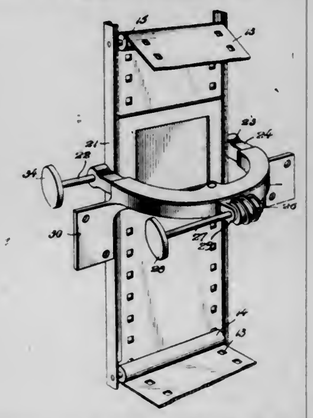
1. In a cyclone selector for solid particles, a cylindrical body having a tangential inlet through which a gaseous fluid containing the solid particles to be classified enters said body, and an upper outlet communicating with suction means and a lower outlet for discharging the largest particles, a secondary tangential inlet below said first named inlet, an inverted frustro-conical deflector having its upper and outer edge secured to said body below said first named inlet and above said secondary inlet and extending downwardly and inwardly past said secondary inlet to direct a blast of material entering therethrough, said deflector having a free lower end forming a central passage for air and material, and an annular horizontal deflector attached to the wall of said body substantially opposite the free end of said frustro-conical deflector, and disposed to reduce the space between the narrow end of said frustro-conical deflector and said body whereby to increase the whirling speed of air entering through said secondary air inlet.

2,252,582
REINFORCING MEANS FOR LAMP SHADES
Eugene Schwarz, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application March 4, 1939, Serial No. 259,765
8 Claims. (Cl. 240—108)



1. In a shade construction, the combination of a formed sheet of shade material of such stiffness as to retain its axial conformation unaided and to be flexible radially, said sheet having a groove formed in one of its end portions with upper and lower edge portions of different sizes than the bottom of said groove, said groove having a wall of a single thickness of said sheet, and a resilient shaping ring in said groove having a radial form desired for the shade, and pressing tightly and directly against the bottom surface thereof and held in said groove by the upper and lower edge portions of said groove, whereby the desired radial form is imparted to said formed sheet by said ring.

2,252,583
DEVICE TO INCREASE DEPTH-SHARPNESS AND CLEARNESS OF PHOTOGRAPHS
Charles J. Simko and Ferdinand Szolinger, Chicago, Ill.
Application September 7, 1939, Serial No. 293,718
1 Claim. (Cl. 88—16.6)

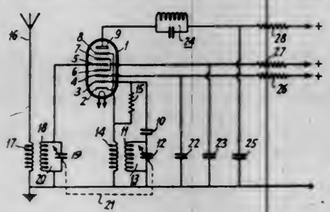


A device to increase depth-sharpness and clearness of photographs by means of varying the relative position between the optic axis of the lens and the normal plane of the film; said means comprise a horizontal axle composed of two portions, and rigidly connected to them is the film-holder, said two portions of the horizontal axle are supported by two bearings, said construction permits a limited forward and backward rotation of the film-plane; said two bearings are disposed at the ends of a semi-circular supporting bar, which is disposed within a semi-circular trough, said semi-circular supporting bar being slightly rotatable within said semi-circular trough by means of a worm-gear, said worm-gear is disposed in the outer wall of the semi-circular trough, said semi-circular trough possesses two supporting plates which are fastened by any known means to the wall of the camera.

2,252,584
MIXING CIRCUIT IN SUPERHETERODYNE RECEIVERS
Maximiliaan Julius Otto Strutt, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands
Application October 14, 1939, Serial No. 299,485
In the Netherlands May 9, 1939
2 Claims. (Cl. 250—20)

1. In a superheterodyne receiver, an oscillator-modulator circuit including an electron discharge tube provided with a cathode of low emission and an output anode, said electrodes having inter-

posed therebetween in the order named an oscillator grid, an oscillator anode, a screen grid and a signal control grid, a feedback inductance connected between cathode and ground and being the sole impedance in said cathode circuit, a circuit tuned to locally-generated oscillations connected through a condenser between the oscillator grid and ground and coupled to the cathode inductance, a grid leak resistance directly connected between cathode and oscillator grid, a circuit tuned to the incoming frequency con-



nected to the signal grid, a circuit tuned to the resulting intermediate frequency connected to the output anode, means for impressing positive potentials on the oscillator anode, screen grid and output anode which are maintained at ground potential as far as the oscillator frequency is concerned, the arrangement being such that the feedback voltage developed across the cathode inductance is derived from the currents of said positive electrodes and is controlled solely by the oscillator grid.

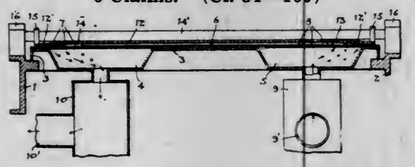
2,252,585

MEANS FOR DRYING CORRUGATED BOARD

William R. Swanson, Toronto, Ontario, and Peter Rintoul, Fairbank, Ontario, Canada, assignors to Gair Company Canada Limited, Toronto, Ontario, Canada

Application March 20, 1939, Serial No. 262,944

6 Claims. (Cl. 34—160)



5. Apparatus for drying corrugated board and the like comprising a table having perforated areas at respective sides, pressure and suction chambers on the underside of the table one communicating with the perforated area of one side of the table and the other communicating with the perforated area of the other side of the table, and means for overlapping said perforated areas at opposite sides of a board overlying said table and forming with the board and with said table pressure and suction enclosures communicating with said respective chambers by way of the respected perforated zones, said overlapping means including a conveying belt engaging in frictional driving contact with said board to advance the same over said table past the perforated zones..

2,252,586

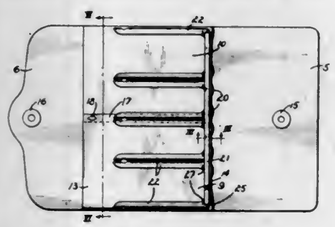
COIN PURSE

Nels H. Swanson, Chicago, Ill.

Application May 24, 1939, Serial No. 275,350

7 Claims. (Cl. 150—35)

7. A coin purse including a foldable casing, a pocket formed therein with a single intermediate transverse joint, means for closing one end of the pocket, pocket extension flaps on the closed and open ends of the pocket, and a coin holder secured to one of the pocket extension flaps, said coin holder including a channeled base, grooved coin guides, mounting feet integrally formed on the coin guides and at right angles thereto, reinforcing flanges on the sides of



the mounting feet and integral with the coin guides to insure positive mounting of the coin guides at right angles to the channeled base, detents struck inwardly from the coin guides near the outer ends thereof to serve as coin restrictors in the insertion or the removal of coins, and inclined coin positioning detents formed in the lower ends of the coin guides for insuring the stacking of coins in inclined overlapping relationship with one another within the coin holder.

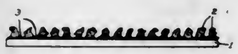
2,252,587

MANUFACTURE OF GRANULAR COATED PRODUCTS

Frank J. Tone and Harry C. Martin, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Continuation of application Serial No. 693,395, October 12, 1933. This application May 13, 1936, Serial No. 79,549

9 Claims. (Cl. 51—298)



1. In the method of making an abrasive article having a coating of abrasive grains, the steps comprising applying a coating of liquid resin to a backing, applying a uniform coating of a solid fusible resin to granular abrasive particles whereby there is obtained a loose distributable mass of abrasive grains to the individual grains of which there is attached a substantial quantity of resin bond, applying a substantially single layer of such coated particles to the resin coated backing, and heating to set and unite the coatings on the backing and on the particles.

2,252,588

VITREOUS ENAMEL OPACIFIER

Robert J. Whitesell, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application December 21, 1938, Serial No. 246,998

3 Claims. (Cl. 106—48)

1. The process of producing an enamel frit which comprises adding to the glass forming materials of the raw batch zirconium silicate and aluminum phosphate in such proportions that the mixture contains from 7 to 15% zirconium silicate and from 0.25 to 4% aluminum phosphate.

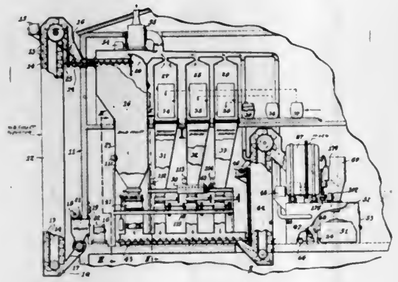
2,252,589

GLASS MAKING

James Bryant Whitmore, Bloomfield, and Frank A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 1, 1939, Serial No. 293,014

5 Claims. (Cl. 259—3)



1. Apparatus for automatically handling materials for glass making, comprising a motor, a control shaft, reduction gearing between said motor and shaft so that when the former is operated the latter turns slowly at a predetermined speed, a series of cams mounted on said shaft and each associated with a mercury switch for automatically controlling certain apparatus, one of said switches controlling said motor, said apparatus including an automatic scale, another of said switches controlling said scale so that it makes ten weighings of glass material during one cycle of operations and discharges said weighings, a conveyor to receive said weighings, a conveyometer for measuring predetermined amounts of modifying chemicals for addition to said glass material, and a switch for operating said conveyometer after the scale has made four weighings, to cause the latter to discharge said modifying chemicals into said conveyor, an elevator associated with said conveyor, another of said switches controlling said conveyor and elevator to cause operation thereof for a predetermined part of the cycle, a mixer associated with said elevator, a solenoid controlling the discharge from said mixer, and a batch box associated with said mixer, whereby the conveyor and elevator feed the mixer, until the materials supplied thereto have been transferred to said mixer, another mercury switch operating said mixer for a predetermined period of time, when another switch initiates a circuit through said discharge solenoid, causing the material to be removed from said mixer and deposited in said batch box.

2,252,590

FLUORESCENT SCREEN

Henry Wolfson, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application September 12, 1939, Serial No. 294,483. In Great Britain September 13, 1938

18 Claims. (Cl. 250—80)

1. A fluorescent screen comprising a metal sulphide and another sulphur compound having a sulphur-bearing radical which acts as an inhibitor of dissociation of the metal sulphide.

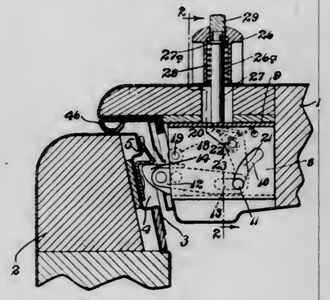
2,252,591

REFRIGERATOR LATCH

Lloyd L. Anderson, Grand Rapids, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan

Application June 15, 1938, Serial No. 213,811

10 Claims. (Cl. 292—63)



10. In combination, a door, a latch mounted thereon comprising, a channel-shaped support having spaced apart sides and a web, arc-shaped guides on said sides extending and curving away from said web, a pin having its ends received in said guides, a longitudinally extensible and retractible latch bolt connected at one end to said pin, said bolt having a keeper engaging head at its opposite end adapted to project beyond the support in which position the bolt substantially parallels said web and said pin is at one end of said guides therefor, a rod attached to said pin extending outwardly to and beyond the outer side of the door, a handle pivotally mounted on said door, a pivotally mounted holding abutment engaging with the outer end of said rod and adapted to hold said bolt in said parallel position to the web, and interengaging means on said handle and holding abutment for releasing said abutment from said rod on manual operation of the handle.

2,252,592

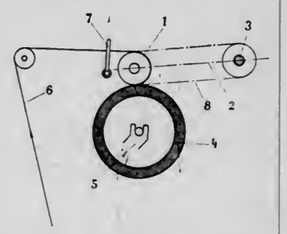
ARRANGEMENT FOR THE PRODUCTION OF WINDING BODIES

Otto Bochmann, Remscheid-Lennep, Germany, assignor to Barmer Maschinenfabrik, Aktiengesellschaft, Wuppertal-Oberbarmen, Germany

Application September 15, 1939, Serial No. 295,062

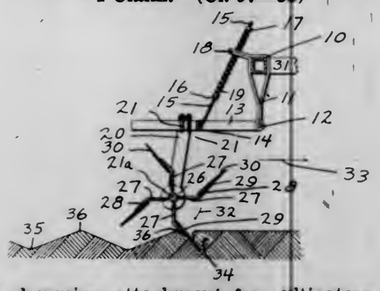
In Germany September 16, 1938

2 Claims. (Cl. 242—18)



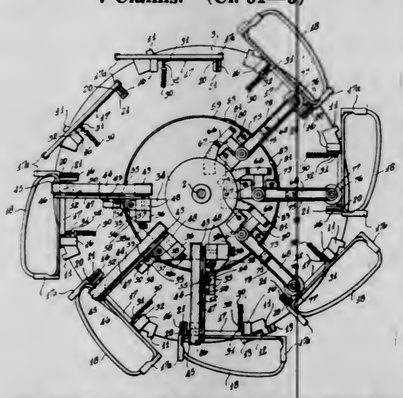
1. An arrangement for the production of a winding body, comprising in combination a bracket, a winding body rotatable in said bracket on an axis fixed with respect thereto, and a revolubly mounted driving drum resting by gravity on said body and serving at the same time as a thread delivery roller.

2,252,593
SOIL CONSERVING DAMMING ATTACHMENT FOR CULTIVATORS
Rudolph W. Bruene, Cushing, Iowa
Application April 3, 1937, Serial No. 134,751
1 Claim. (Cl. 97—55)



A damming attachment for cultivators comprising a shaft, a plurality of radially arranged spokes attached to the shaft, blades attached transversely to said spokes, said blades being positioned angularly with respect to the spokes, said angle being substantially 45°, there being an attachment for one or more cultivated rows, one side row including a smaller width attachment for accommodating an approximate half row, means for journalling said smaller attachment including a cylindrical hollow member attached thereto, a shaft having a central opening received therein, a grease connection communicating with the said opening, an annular groove adjacent the hollow member, a tongue received in the groove, an attaching bar for attaching the unit to a tractor to which said tongue is attached.

2,252,594
ROTARY WORK HOLDING MACHINE
Gustave A. Carlson, Detroit, Mich.
Refiled for abandoned application Serial No. 216,698, June 30, 1938. This application May 1, 1940, Serial No. 332,817
7 Claims. (Cl. 51—3)



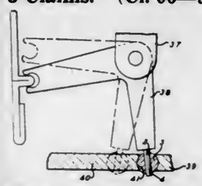
1. In apparatus of the character described, a revolvable table, a plurality of work holders on said table, a plurality of work performing members arranged about the table, means for revolving said table intermittently and for stopping the table with work holders positioned opposite work performing members, means for moving the work performing members into contact with work pieces carried by the holders, means for moving work holders adjacent work performing members through a complete cycle of reverse movements, and means for moving and holding the remaining work holders at the mid-point in their cycle of reverse movements.

2,252,595
INSOLE
Claude H. Daniels, Greenwich, Conn.
Application November 4, 1940, Serial No. 364,228
7 Claims. (Cl. 36—22)



1. An insole having a slashed area at the forepart and a reinforcement adhesively applied to the under side of the insole and extending over the slashed area comprising knit fabric material stretchable longitudinally of the sole and relatively non-stretchable transversely of the sole.

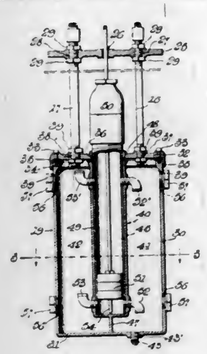
2,252,596
KNITTING APPARATUS
Robert Grant, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 28, 1938, Serial No. 210,679
3 Claims. (Cl. 66—9)



1. In an apparatus for knitting, a plurality of needles, levers to actuate the needles, cam means to reciprocate the levers, and means interposed between the cam means and the levers to cause the cam to reciprocate the levers comprising a ball rotatable and reciprocable on each lever and rolling on the cam means.

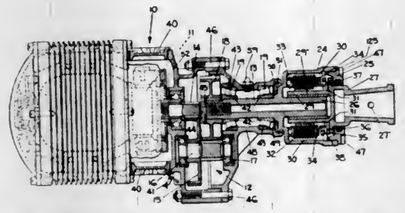
2,252,597
WELL PUMP
Willoughby F. Hollister, Cowen, W. Va.
Application March 29, 1940, Serial No. 326,739
2 Claims. (Cl. 103—156)

1. In a well pump, an outer cylinder for suspension in a well, said outer cylinder having a closed lower end and a removably secured upper end, vertical partitioning means in said outer cylinder and joined to the side wall and lower end thereof, said partitioning means dividing said water cylinder into a water-receiving chamber and a water-discharge chamber and including a vertical inner cylinder having an open upper end in abutting relation with said removable upper end of said outer cylinder, said removable upper end being provided with an opening alined with said inner cylinder and of a diameter equal to the inner diameter of said inner cylinder, a lining sleeve secured in said inner cylinder and projecting upwardly therefrom through said opening, a stuffing box mounted on and projecting above the upper end of said



lining sleeve, a pump rod extending through said stuffing box and having a double-acting piston in said inner cylinder, water inlet and discharge valves placing the ends of said inner cylinder in communication with said chambers, and water inlet and discharge means for said chambers.

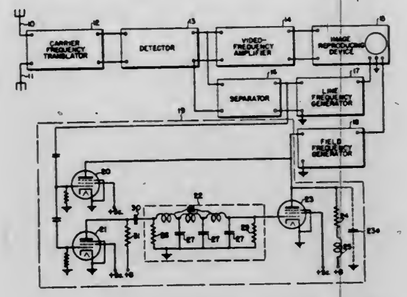
2,252,598
DRILLING MECHANISM
Robert K. Jeffrey, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application September 1, 1938, Serial No. 227,996
13 Claims. (Cl. 64—30)



1. A torque limiting clutch for drills comprising a housing forming a driving member, a socket including a sleeve slidably mounted in said housing, engaging friction plates carried by said housing and sleeve respectively, means urging said plates into contact to effect a torque limiting driving relation between said housing and socket, and means operable responsive to longitudinal movement of said socket to increase the value of said limiting torque.

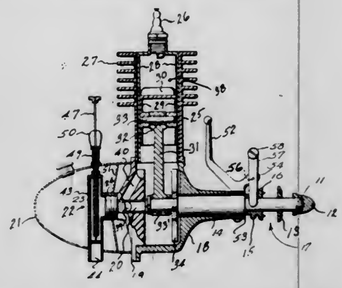
2,252,599
TELEVISION RECEIVER SYNCHRONIZING SYSTEM
Harold M. Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application March 20, 1939, Serial No. 262,846
15 Claims. (Cl. 178—7.5)

15. A television receiver synchronizing system comprising an input circuit adapted to be energized by a composite synchronizing signal including recurrent line-synchronizing and field-synchronizing pulses having fundamental and harmonic-frequency components, comprising a synchronizing circuit for a scanning-wave generator adapted to be energized by said field-synchronizing pulses, an input circuit adapted to be energized by said composite signal, and means



coupling said synchronizing circuit to said input circuit comprising a multiple band-pass filter for translating said signal adapted substantially to suppress said line-synchronizing fundamental frequency components without substantially attenuating adjacent field-synchronizing pulse harmonic-frequency components.

2,252,600
MINIATURE MOTOR
Ashton Le Roy May, Detroit, Mich.
Application November 24, 1939, Serial No. 305,854
2 Claims. (Cl. 123—195)

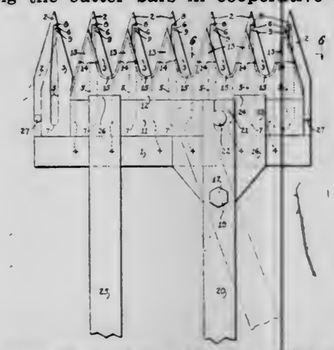


1. An internal combustion engine comprised of a crankcase, a crankshaft, a crankcase cover plate, a fuel tank, a carburetor within said fuel tank centrally secured to said cover plate for retaining said tank, said cover plate having an opening communicating with the crankcase and with the carburetor, a hollow cylindrical crankshaft actuated valve journaled therein, having a lateral opening, there being a radial passage in said cover plate communicating with said lateral opening and with the crankcase.

2,252,601
APPARATUS FOR CUTTING VEGETATION
John W. Murphy, Concord, Mass.
Application March 28, 1938, Serial No. 198,452
10 Claims. (Cl. 30—211)

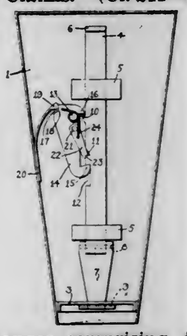
1. Apparatus for cutting vegetation comprising, in combination, a cutter bar provided with resilient bifurcated double-edged teeth inclined to the plane of the cutter bar, a second cutter bar

provided with inflexible teeth, means for maintaining the cutter bars in cooperative relation,



and means for reciprocating one cutter bar with respect to the other cutter bar.

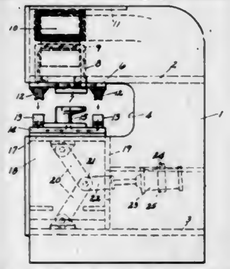
2,252,602
TIRE HANGER
John W. Murphy, Concord, Mass.
Application October 4, 1938, Serial No. 233,335
8 Claims. (Cl. 211—23)



1. A tire hanger comprising, in combination, a frame, a supporting member hinged to the frame, a slidable member slidable in the frame and having a horizontal extension at its upper end, an interconnecting member uniting the slidable member and the supporting member, and latching mechanism distributed between the frame and the slidable member for latching and unlatching the slidable member against unidirectional movement relative to the frame operable by successive slight oscillations of the horizontal extension of the slidable member.

2,252,603
WELDING MACHINE
Ernest Riemenschneider, Lakewood, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 30, 1937, Serial No. 182,453
2 Claims. (Cl. 219—4)

1. In a welding machine, a substantially C-shaped narrow hollow frame, the opening between the horizontal arms of which provides a welding throat of unlimited depth with one hollow arm forming an overhanging head, a transformer mounted in the free end of said head, contacts connected with the secondary winding and secured to the head, a stationary electrode carried by the head and insulated from the same and the contacts, a vertically movable work carrying electrode in the lower hollow arm of said frame, mechanism arranged longitudinally in the lower arm of the frame for vertically moving the movable electrode, and contacts movable with said movable electrode adapted to be engaged with the first named contacts when the movable electrode is moved to welding position, said mov-

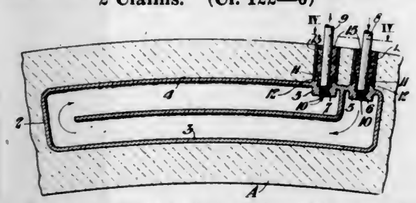


able electrode and contacts being movable down entirely within the lower hollow arm of the frame to fully open the throat for the insertion of work and to cause engagement of the work with the sides of the throat to automatically lift the work from the lower electrode as the latter moves down within the lower hollow arm of the frame.

2,252,604
PROCESS FOR HARDENING COPPER
Jonathan W. Sturtz, Cumberland, Md.
No Drawing. Application July 6, 1940, Serial No. 344,251
6 Claims. (Cl. 75—76)

1. The process of hardening copper which consists in mixing with four pounds of copper in a molten state, one ounce of copper phosphorus, one-half ounce of salicylic acid and one-half ounce of powdered pumice.

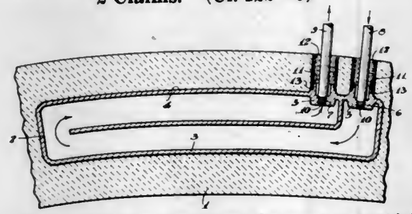
2,252,605
COOLING PLATE FOR BLAST FURNACE INWALLS AND MANTLES
James L. Wick, Jr., and Louis M. Nesselbush, Youngstown, Ohio, assignors to The Falcon Bronze Company, Youngstown, Ohio
Application March 2, 1938, Serial No. 193,493
2 Claims. (Cl. 122—6)



1. In a metallurgical blast furnace comprising a refractory stack extending above the mantle thereof, a hollow cooling plate buried within the wall of said refractory stack whereby refractory portions of the said stack are provided between the inner and outer walls thereof and the said hollow cooling plate, the exterior wall of said stack having a pair of passages communicating with said hollow cooling plate, fluid intake and fluid outlet connections for said hollow cooling plate, each of said connections being in alignment with one of said passages and terminating inwardly of the exterior wall of said stack, a protection pipe disposed in each of said passages and connected to said hollow cooling plate in

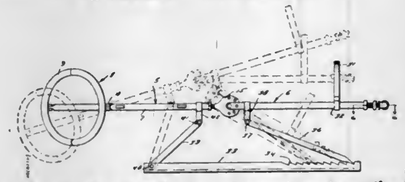
such manner as to provide some flexibility between said pipe and plate, and fluid inlet and outlet conduits extending through said protection pipes and detachably secured to their respective connections on said hollow cooling plate whereby said conduits may be easily replaced when damaged, etc.

2,252,606
COOLING PLATE FOR BLAST FURNACE INWALLS AND MANTLES
James L. Wick, Jr., Youngstown, Ohio, assignor to The Falcon Bronze Company, Youngstown, Ohio
Application May 27, 1941, Serial No. 395,323
2 Claims. (Cl. 122—6)



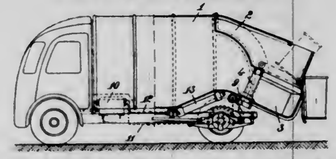
1. In a metallurgical blast furnace comprising a refractory stack extending above the mantle thereof, a hollow cooling plate buried within the wall of said refractory stack whereby refractory portions of the said stack are provided between the inner and outer walls thereof and the said hollow cooling plate, the exterior wall of said stack having a pair of passages communicating with said hollow cooling plate, fluid intake and fluid outlet connections for said hollow cooling plate, each of said connections being in alignment with one of said passages and terminating inwardly of the exterior wall of said stack, a flexible protection pipe disposed in each of said passages and connected to said hollow cooling plate, and fluid inlet and outlet conduits extending through said flexible protection pipes and detachably secured to their respective connections on said hollow cooling plate whereby said conduits may be easily replaced when damaged, etc.

2,252,607
EXTENSION SPLINT
Philip M. Baker, Memphis, Mo.
Application April 10, 1939, Serial No. 267,122
2 Claims. (Cl. 128—85)



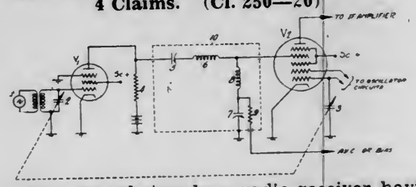
1. In a device of the character described, a splint including a pair of substantially U-shaped members, perforated plates secured to the free ends of one of said U-shaped members, the other of said U-shaped members having notches in its free ends in which said plates are pivotally secured to provide hinge connections between the U-shaped members, clamp hinge members secured to the U-shaped members adjacent said hinge connections at opposite sides thereof, a base for said hingedly connected U-shaped members, said base including spaced parallel side members having notches near one end thereof, a pair of supporting links pivotally secured at their top end portions to one pair of clamp hinge members and pivotally secured at their bottom end portions to the base, a pair of supporting links pivotally secured at their top end portions to the other of said clamp hinge members, and a tie rod secured to and between the bottom end portions of said second named supporting links engageable with a selected pair of said notches in said base to hold said hingedly connected U-shaped members in adjusted position.

2,252,608
DUST CART
Otto Ballert, Berlin, Germany
Application July 18, 1939, Serial No. 285,207
In Germany July 14, 1938
11 Claims. (Cl. 214—67)



1. A dust cart of the character described, comprising a tiltably mounted body member formed as a collecting chamber, a closure member movably associated to the rear of said body member and having a dumping chamber arranged therein, said dumping chamber having a flat rearwardly sloping bottom adapted to match a correspondingly sloped adjacent bottom part of said collecting chamber substantially in the entire breadth of the latter and also comprising an oscillatory rudder-like member mounted in said closure member so as bodily to move therewith and having its axis of oscillation sloped towards the rear of said closure member, so that said axis is perpendicular with respect to the flat rearwardly sloping bottom part of said dumping chamber and to the adjacent sloping rear end of the collecting chamber bottom, said rudder-like member being adapted to perform a reciprocatory angular motion in said dumping chamber to convey refuse in a general upward and forward direction from said dumping chamber into said collecting chamber.

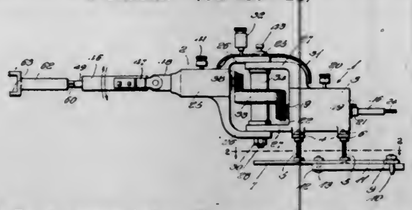
2,252,609
WIDE-BAND COUPLING CIRCUITS
Virgil R. Beck, Chicago, Ill., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application April 13, 1940, Serial No. 329,554
4 Claims. (Cl. 250—20)



1. In a superheterodyne radio receiver having a radio frequency amplifier tube and a first detector tube, a source of signals connected to the input circuit of said first-mentioned tube, means for tuning said input circuit over a desired range of frequencies, and an untuned, wide-band π-type coupling network connected between the output circuit of said first-mentioned tube and the in-

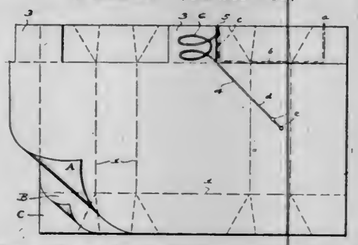
put circuit of said second-mentioned tube, said network being capable of efficiently transferring signals within said desired range of frequencies, the input shunt arm of said network comprising an output load resistor for said first-mentioned tube, the series arm of said network comprising a first condenser and first inductor serially connected therein, the output shunt arm of said network comprising a second condenser and a second inductor serially connected therein and adjusted to give series resonance at the intermediate frequency of said receiver, said first condenser being preadjusted to give maximum overall gain at frequencies near the low frequency end of said desired range of frequencies.

2,252,610
PIVOTED POWER TAKE-OFF UNIT
Fred H. Behl, Milan, Minn.
Application October 22, 1940, Serial No. 362,293
6 Claims. (Cl. 180—14)



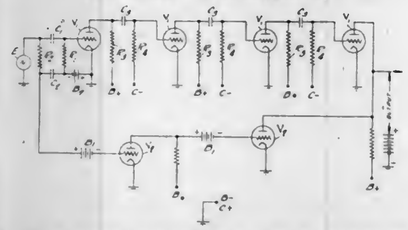
1. In a power take off device, front and rear sections pivotally connected, shafts journaled through the front and rear sections, gearing for transmitting rotary motion from one shaft to the other, a base adapted to be adjustably connected with the draft bar of a towing vehicle, and supporting members adjustably carried by the base and adjustably connected with the forward section.

2,252,611
PACKAGE, PACKAGE OPENER, AND STAMP CANCELER
Leroy Valentine Bell, Wakefield, R. I.
Application May 11, 1939, Serial No. 273,116
2 Claims. (Cl. 229—51)



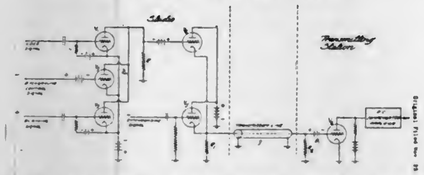
2. In a cigarette container embodying a body portion, a pair of side flaps, one folded over the other to close one end of said body portion, a pair of narrow side flaps folded over the first-mentioned flaps and overlapping each other when closed, a sealing strip overlying said narrow flaps and a tearing string having an end portion folded into a rectangular loop on the under face of the first-mentioned flaps with the loop located between the narrow flaps and the top of the side edge of the container, a portion of the string passing over the free edge of one of the first-mentioned flaps, another portion of the string being looped and located on the outer face of the upper narrow flap and under the sealing strip and the remainder of the string extending from between said sealing strip and said narrow flaps and terminating in a free end.

2,252,612
DIRECT AND ALTERNATING CURRENT AMPLIFIER
Frank J. Bingley, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Original application November 23, 1935, Serial No. 51,324. Divided and this application July 5, 1939, Serial No. 282,934
14 Claims. (Cl. 179—171)



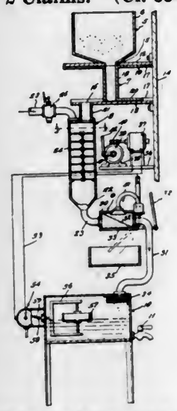
1. In a signal amplifying device, a source of input signals having frequency components within a predetermined range including zero frequency components, an impedance having a plurality of current paths supplied with signals from said source of input signals, means for deriving from one of said current paths a signal having a predetermined frequency response, means for deriving from another of said current paths a second signal having a predetermined frequency response substantially complementary to the said predetermined response of said first derived signal, one of said derived signals including said zero frequency components, means for amplifying said first derived signal, means for amplifying said second derived signal, an output circuit, and means for combining said amplified signals in said output circuit.

2,252,613
SIGNAL TRANSMISSION SYSTEM
Frank J. Bingley, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Original application November 23, 1935, Serial No. 51,324, now Patent No. 2,171,536, dated September 5, 1939. Divided and this application July 5, 1939, Serial No. 282,935
4 Claims. (Cl. 178—44)



4. In a signal transmission circuit, a space discharge device having at least a control element, a cathode and an anode, a signal input circuit connected between said control element and a point of substantially fixed potential, a source of anode voltage connected between said anode and said point of fixed potential, a transmission line having its input terminals conductively connected between said cathode and said point of fixed potential, thereby effecting a direct current connection between the conductors of said line, said cathode and said point, means for terminating said line in substantially its characteristic impedance, said transmission line having a characteristic impedance which is small compared to the anode-to-cathode impedance of said space discharge device, whereby a small proportion of the voltage of said source is applied to said line, the line conductors are maintained at or near said fixed potential, and the degenerative effects occasioned by the presence of said line in both the grid-cathode and anode-cathode circuits of said space discharge device are rendered negligible, and a vacuum tube amplifier having its input circuit coupled to the output terminals of said transmission line for deriving signals therefrom.

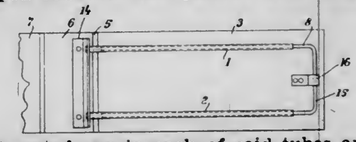
2,252,614
COFFEE MAKING DEVICE
Joel T. Bowen, Waco, Tex.
Application September 2, 1939, Serial No. 293,287
2 Claims. (Cl. 53—3)



1. In a coffee making apparatus including a mixing chamber and a receiving chamber and a conduit connecting the lower end of the mixing chamber with the upper portion of the receiving chamber, a horizontal casing intersecting the conduit and having an inlet opening in its front end which is in communication with that part of the conduit between the casing and the chamber and the rear end of the casing having an outlet opening which is in communication with the other part of the conduit, a diagonal arranged screen in the casing extending from the upper portion of the front end thereof, above the inlet opening downwardly and rearwardly to the lower portion of the rear end of the casing below the outlet opening, said screen separating the coffee grounds from the beverage as the mixture enters the front end of the casing, a door for closing the bottom of the casing, a nozzle in the top of the casing and located above the screen, a water supply pipe connected with the nozzle, a valve in said pipe and means for simultaneously opening the door and the valve to spray water upon the screen and to wash the grounds through the opening left by the door.

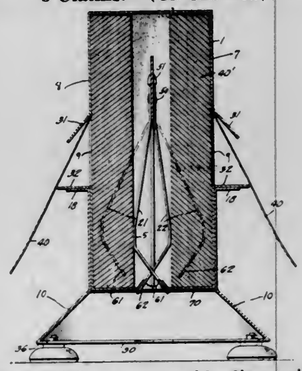
2,252,615
FILE FOR FORM SLIPS AND THE LIKE
Leo Breuer, Wuppertal-Barmen, Germany
Application October 14, 1938, Serial No. 235,048
In Germany December 20, 1937
1 Claim. (Cl. 129—16)

A file for form slips and the like, comprising in combination a foldable wrapper in the form of a book cover and a filing device accommodated within said wrapper and having two threading tubes hingedly mounted on the back of said wrapper adjacent the fold thereof and extending parallel to the two side portions of the wrapper when the file is closed, and a U-shaped rod with two parallel arms adapted to



be inserted one in each of said tubes and connected by a cross member adapted to rest on one of the side portions of the wrapper, said filing device being movable longitudinally of the wrapper when the cover of the wrapper is moved to closed position, and means on said wrapper adapted to have the cross member moved into automatic engagement therewith when the file is being closed.

2,252,616
DISPENSER CARTON HOLDER
Frank L. Broeren, Neenah, and Archie S. Krueger, Green Bay, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application December 16, 1940, Serial No. 370,415
5 Claims. (Cl. 312—62)

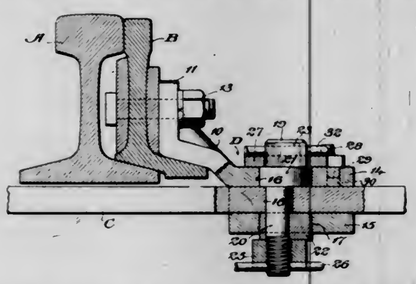


1. A support for a removable dispensing carton having dispensing openings, an opening in the bottom wall and containing a stack of interfolded sheets, comprising a base, spring members supported upon said base, said spring members being adapted to be inserted within said carton through the opening in the bottom wall of said carton for dividing the said stack of sheets and each spring member being adapted to urge a stack portion toward a dispensing opening.

2,252,617
ADJUSTABLE SWITCH ROD
George R. Burkhardt, Chicago, and Charles W. Breed, Western Springs, Ill.
Application May 1, 1940, Serial No. 332,814
5 Claims. (Cl. 246—451)

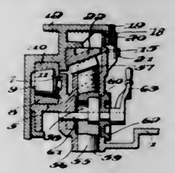
1. Adjustable connecting means between a railway switch-point rail and a switch rod comprising a bracket secured to the switch-point rail and having an opening therein, a bolt including a disk-like portion disposed in said opening and a shank eccentrically related to said

disk-like portion and disposed in an opening in the switch rod, whereby the bracket and the switch point rail are adjustable along the switch rod by rotation of said bolt, a head on the bolt, a locking washer reversibly engageable with said bolt head, means to hold said locking washer against rotation relative to the bolt head, said bracket having a series of spaced apart holes



therein arranged in a row concentrically about the axis of the opening in said bracket which accommodates the said disk-like portion of said bolt, and a pin on each side of said washer for selective engagement in any one of said openings, said pins being angularly spaced relative to each other and being disposed unsymmetrically relative to the means for holding the washer against rotation relative to said bolt head.

2,252,618
ROTARY MACHINE
George E. Campbell, Chattanooga, Tenn., assignor to The Wheland Company, Chattanooga, Tenn., a corporation of Tennessee
Original application May 6, 1936, Serial No. 78,276. Divided and this application March 9, 1939, Serial No. 260,860
2 Claims. (Cl. 255—23)



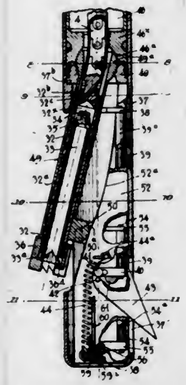
1. In a rotary machine, the combination of a base, a table rotatably supported on the base and having a ring bevel gear therebeneath, the teeth of which extend downwardly, a bevel gear drive located beneath the ring bevel gear and having its teeth geared to the teeth of the ring bevel gear, a guide in the base extending approximately vertically at a point beneath the ring bevel gear, and substantially perpendicular to the base and table and located between the two, the table extending over and covering the ring bevel gear and the upper end of the vertical guide, the table having a depending overlapping flange on its periphery for preventing the ingress of foreign matter such as mud, water, and the like into the rotary machine, a plunger fitted to and slidably mounted in the vertical guide and provided with a tooth on its upper end in position to engage between teeth of the ring-gear from beneath, and means for positively sliding the plunger up and down in the vertical guide whereby to lock or unlock the table and base together.

2,252,619
ARTICLE HOLDING STAND
Frances Jane Clack, Albuquerque, N. Mex.
Application September 3, 1940, Serial No. 355,225
1 Claim. (Cl. 248—159)



A stand of the class described comprising a base, a standard rising from the base, a shelf at the upper end of the standard, said standard being composed of upper and lower sections, one of the sections having a socket therein and the other section having a projection forming a continuation thereof which rotatably fits in the socket, horizontal flanges connected with the adjacent ends of the two sections, the lower face of the flange of the upper section contacting directly the upper face of the flange of the lower section, the abutting faces of said flanges having semi-spherical recesses therein, said recesses being arranged in pairs with a recess of one pair being diametrically opposite the other recess of said pair and balls engaging the recesses, said balls being seated in the recesses of the lower flange and yieldingly holding the upper flange against rotary movement by engaging the recesses in the upper flange and said balls also acting as ball bearings when the upper section is being rotated, those portions of the recessed surfaces of the flanges between the recesses being smooth.

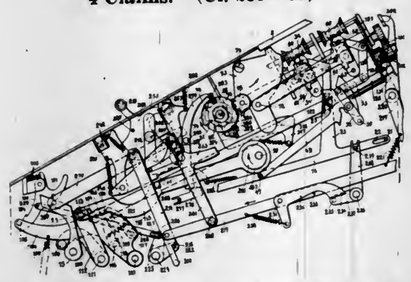
2,252,620
CORING DEVICE
Raleigh De Long, Houston, Tex., assignor of forty per cent to Fohs Oil Company, Houston, Tex., a corporation of Delaware
Application May 20, 1940, Serial No. 336,301
17 Claims. (Cl. 255—1)



1. In a coring device, an elongated hollow casing, a radially extensible guide member positioned in said casing intermediate its ends, means for holding said member in a retracted position

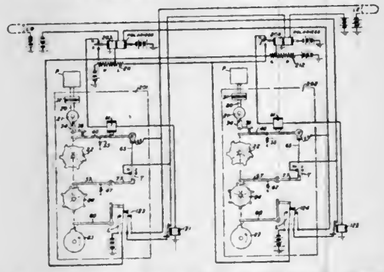
in the casing, a rotary core barrel guided by said member, the means for holding said member in the casing being movable lengthwise of the casing, and a motor operatively connected with the core barrel for actuating the same.

2,252,621
CALCULATING MACHINE
Ulrich Eichler, Glashutte, Germany
Application June 11, 1938, Serial No. 213,279
In Germany February 19, 1937
4 Claims. (Cl. 235—63)



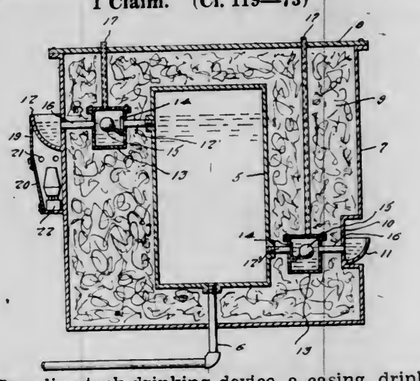
1. In a calculating machine comprising a carriage, a multi-order totalizer on said carriage, actuating means for entering values into said totalizer, and a shift mechanism for shifting said carriage relative to said actuating means, the combination of a stop on said carriage settable to any of a series of ordinal positions, a control lever, means under joint control of said lever and said stop for effecting operation of said shift mechanism to shift said carriage to the position corresponding to the position in which said stop has been set and for then effecting a single cycle of operation of said totalizer actuating means, whereby the value entered into the totalizer is entered into orders thereof determined by the setting of said stop.

2,252,622
START-STOP REGENERATIVE TELEGRAPH REPEATER
Francis H. Fox, Detroit, Mich., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 23, 1940, Serial No. 331,251
9 Claims. (Cl. 178—71)



1. A two-way start-stop telegraph repeater circuit connected between two line circuits and comprising a west and an east regenerative repeater alternately active and inactive one at a time to repeat start-stop code impulses incoming from west and east into the east and west line circuits, respectively, each of said repeaters including receiving winding means, timed repeating contact means controlled as to code by said receiving winding means, off-normal guard contact means connected to lock the other of said repeaters against operation during the operating cycle of the active repeater except for an unguarded period during the stop condition of said active repeater, and auxiliary off-normal contact means connected to prevent the said other repeater from operating in response to a false start impulse by said repeating contact means of the active repeater during said unguarded period.

2,252,623
LIVESTOCK DRINKING DEVICE
Conrad Gerken, West Point, Nebr.
Application February 13, 1940, Serial No. 318,768
1 Claim. (Cl. 119—73)

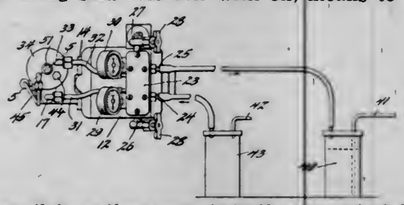


In a livestock drinking device a casing, drinking troughs arranged at different levels on the casing and exteriorly thereof, outlet pipes connected to the troughs and extending into the casing and supported thereby and each including sections spaced from each other, float chambers connecting said sections of the outlet pipes, a water tank arranged in the casing and connected to said outlet pipes for the support of said tank spaced from the casing, means connecting said tank to a constant liquid supply, float operated valves in the chambers for controlling flow of liquid from the tank to said chambers, vent pipes connected to said chambers and extending through the casing to permit liquid to enter said troughs from said chambers and rise to a level in the troughs corresponding to the level of the liquid in the chambers, said vent pipes being located in alignment with the floats of the float operated valves whereby an instrument may be passed through the vent pipes to engage the floats of the float operated valves for opening the float operated valves to flush out the troughs with water from the tank, and insulation in the space between the casing and tank and covering the tank, chambers and outlet pipes.

2,252,624
EMBALMING MACHINE
Thomas Gilmore and Louis Junod, Brooklyn, N. Y.
Application December 18, 1939, Serial No. 309,914
5 Claims. (Cl. 230—207)

3. In an injecting and aspirating apparatus for embalming operations, in combination, a motor driven air pump, having a suction inlet and a pressure outlet, a suction equalizing chamber, a pressure equalizing chamber, an adjustable relief valve connecting each chamber to

atmosphere, a tube from said first chamber to said inlet, a tube from said outlet to said second chamber, a nipple opening to each chamber for connecting tubing thereto, means to silence the operation of said compressor comprising a closed reservoir interposed in said second tube, means for filling said reservoir with oil, means to de-



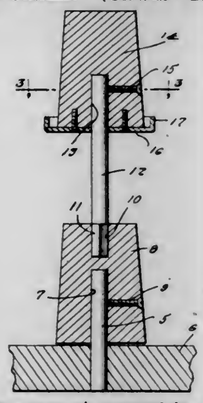
liver oil from the reservoir to the pump to lubricate and seal the same, means in said reservoir to separate the oil delivered by said pump from the air passing therefrom, and a porous filler in said pressure equalizing chamber for further silencing, said filler filtering out any oil entrained in the compressed air delivered from the oil reservoir.

2,252,625

BOBBIN HOLDER

Emile A. Glasbrook, Valdese, N. C.

Application July 23, 1940, Serial No. 347,075
3 Claims. (Cl. 242—130)



1. A bobbin support comprising a plurality of frusto-conical supporting members adapted for conformably fitting in a tapering core of a bobbin, a spindle connecting the members in superposed relation for uniform rotation and a spindle rotatably supporting the lowermost members, and a spacing plate secured to the bottom of the upper member, said plate having an upturned flange spaced from the surface of the adjacent member and providing a channel for receiving the lower end of the core of the bobbin.

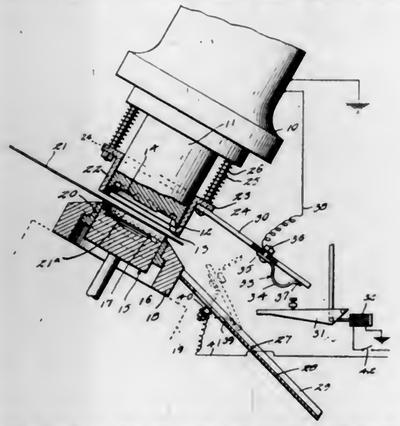
2,252,626

SAFETY ATTACHMENT FOR PUNCH PRESSES

Caspar C. Goldbeck, Camden, N. J.

Application June 26, 1940, Serial No. 342,570
5 Claims. (Cl. 192—127)

1. A safety attachment for a punching machine having a movable die, a stationary die and a discharge chute for the formed article, said attachment comprising a flexible member adapted to be operatively connected at one end with said movable die, a switch member carried by said flexible member, and a contact below the upper surface



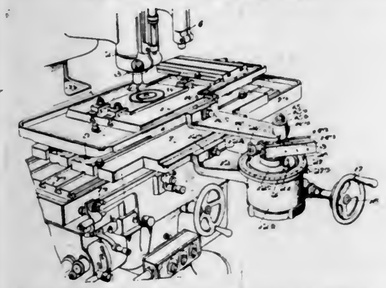
of the chute in a position for engagement with said switch member when the chute is free of a formed article.

2,252,627

MACHINE TOOL OF THE SENSITIVE TABLE TYPE

George Gorton, III, Racine, Wis., assignor, by mesne assignments, to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin

Application March 15, 1939, Serial No. 262,038
18 Claims. (Cl. 90—19)



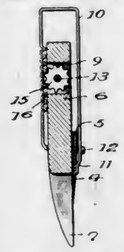
1. A machine tool having a vertical cutter spindle normally fixedly located against lateral movements; and a horizontal work table adapted to carry the work laterally into operative lateral cutting association with the cutter of said spindle, said table being mounted for free universal lateral bodily movements substantially as specified, and held to travel in lateral arcuate and straight-line paths and against lateral pivotal swinging and tilting movements in combination with actuating and controlling mechanism for propelling said table and positively limiting the lateral movements thereof, to a predetermined path, said mechanism including a rotary eccentric member rotatable around a vertical axis laterally remote from said cutter spindle and normally fixedly located with respect to said table, means for rotating said member to propel said table bodily laterally in any direction, and an operative table controlling and laterally propelling connection from and actuated by said member and embodying a positive push and pull vertical pivotal coupling with a rigid part of said table.

2,252,628

HAIR TRIMMER

Joseph Grachan, Johnstown, Pa., assignor of one-half to Walter Good, Johnstown, Pa.

Application April 10, 1939, Serial No. 267,101
4 Claims. (Cl. 30—30)



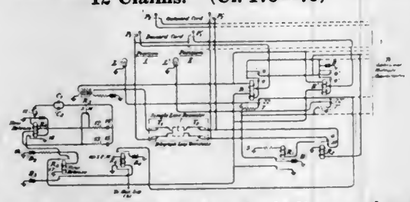
4. A hair trimmer comprising a toothed body movable through the hair, a cutter slidably mounted on said body, and yieldable means embracing said body and cutter to normally hold the body and cutter in engagement, said means being movable for relative adjustment of said body and cutter, with the addition of operating means carried by the toothed body and co-acting with said yieldable means to effect movement of the latter for correspondingly effecting said relative adjustment of the cutter and body.

2,252,629

SUPERVISORY SIGNAL SYSTEM

Frank Harold Hanley, Butler, and Frank J. Carter, Millburn, N. J., Orville Howard Davidsmeyer, Downer's Grove, Ill., and Otha M. Lamberson, Flushing, N. Y., assignors of two-thirds to American Telephone and Telegraph Company, a corporation of New York, and one-third to Bell Telephone Laboratories, Incorporated, a corporation of New York

Application April 19, 1940, Serial No. 330,594
12 Claims. (Cl. 178—75)



1. In a signaling system including a plurality of offices and a plurality of direct point-to-point circuits interconnecting certain of said offices, a cord circuit repeater at one office for connecting two of said direct circuits for through operation between two other offices, a signal indicator associated with said repeater, and means associated with said indicator for indicating thereby whether a certain direct circuit is in use and the reception of a distinctive signal from the calling office.

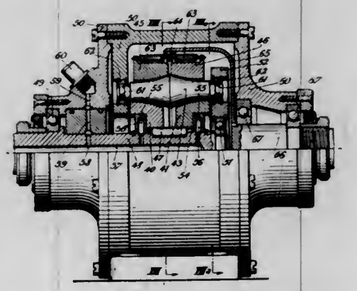
2,252,630

INFINITELY VARIABLE SPEED GEAR

Oskar Heer, Brunnen, Switzerland, assignor to Anton Bueler-Smulders, Ybach-Schwyz, Switzerland

Application March 22, 1940, Serial No. 325,435
In Switzerland March 22, 1939
3 Claims. (Cl. 74—191)

1. In an infinitely variable speed gear, in combination, a driving shaft and a driven shaft, a plurality of elongated friction bodies of revolution symmetrically tapering toward their ends and the tapering surfaces shaped according to a curved generatrix, two inner race rings having curved surfaces in frictional engagement with said friction bodies, said inner race rings being in driving connection with one of said shafts, means for varying the distance between said race rings, two outer race rings having curved sur-



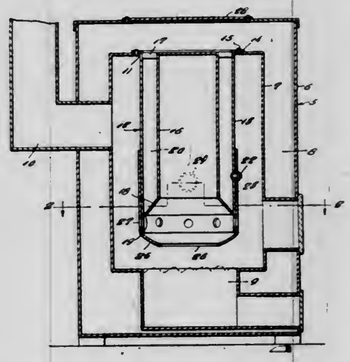
faces cooperating with said friction bodies, resiliently yielding means operatively connected to said outer race rings for urging said outer race rings towards each other, and a driving connection between said resiliently yielding means and the other of said shafts for automatically adjusting the pressure exerted by said yielding means on said outer rings in accordance with variations in the power transmitted.

2,252,631

HEAT RETAINING DRUM FOR FURNACES AND THE LIKE

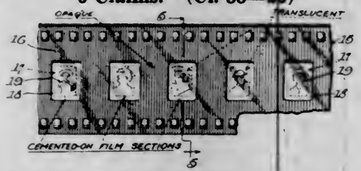
Ernest Hirter, Dundee, Oreg.

Application April 23, 1940, Serial No. 331,221
2 Claims. (Cl. 126—106)



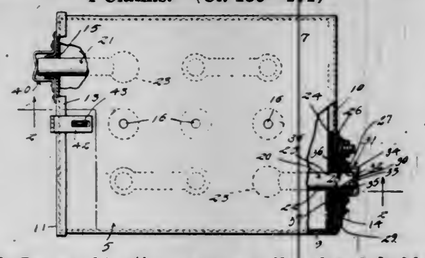
1. An attachment for furnaces and the like comprising a container composed of a pair of telescoping sections, means for suspending the container in the combustion chamber of the furnace, the lowermost of said sections having apertures constituting intake and discharge ports for admitting heated gases into the uppermost section and discharging the same therefrom at a point above the lower edge of the container, said lower section having an inwardly inclined lower edge constituting a deflector for directing heated gases toward the side walls of the furnace, and means for securing the lowermost section in vertically adjusted position relative to the uppermost section.

2,252,632
PROJECTING FILM AND RELATED METHOD
Gerald C. Jones, New York, N. Y., assignor to Audi Vision, Incorporated, New York, N. Y., a corporation of New York
Application May 23, 1940, Serial No. 336,807
6 Claims. (Cl. 88—26)



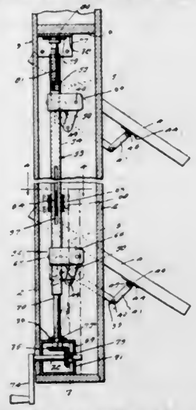
1. A method of producing a composite film strip for projection of stills, comprising the steps of producing a positive image-free film strip having an opaque body and longitudinally spaced centrally disposed uniformly translucent zones integral with said opaque body, and cementing separate image-carrying film sections against said translucent zones and the marginal opaque areas surrounding same.

2,252,633
BATTERY AND HOLDER
Oron Jones and Roy Ramage, Montrose, Colo.
Application March 14, 1940, Serial No. 323,966
4 Claims. (Cl. 136—171)



3. In combination, a normally closed holder formed of conducting material having removably mounted therein a storage battery, said holder including a hinged wall to permit of the insertion therein of the battery and means for latching said wall closed, said holder having a wall opposing said hinged wall, said opposed walls formed with openings disposed in offset relation, outer and inner insulating means disposed against the outer and inner faces of one of the walls of said pair formed with openings opposing and of less diameter than the opening in such wall, an annulus of insulation in and seated against the edge of the opening in the said one wall and having its inner edge aligned with the walls of the openings in said insulating means, a positive male terminal section extending through said annulus and the openings in said insulating means to beyond said outer insulating means secured at its inner end to the positive pole of the battery, a resilient positive female terminal section positioned exteriorly of said outer insulating means and engaging said positive male terminal section intermediate its ends and at its outer end, an apertured conducting plate arranged against said outer insulating means and through which extends said positive male terminal section, means common to and for securing said plate, positive female section, said insulating means and annulus together and to the said one wall, means extended from said plate for electrically connecting therewith the positive lead of a battery circuit, a negative male terminal section removably extending through the opening in the other wall of said pair of walls and secured to the negative pole of the battery, and a resilient negative female terminal section electrically connected to the said other wall and engaging with said negative male terminal section intermediate its ends and at its outer end.

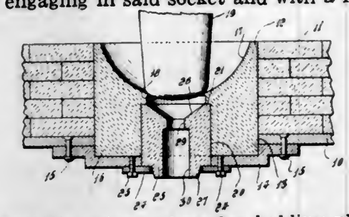
2,252,634
WINDOW SASH OPERATOR
Cameron E. Justason, Miami, Fla.
Application July 8, 1940, Serial No. 344,423
9 Claims. (Cl. 268—21)



1. An operator for a swingable window sash, said operator comprising the combination of a rotatable stub shaft, a stationary bearing for said shaft adapted to be mounted in the body of a window frame, a sash lowering and lifting rod of angle form fixed to and depending from the outer end of said shaft, a pair of spaced parallel inner sidewise aligned coupling links, said rod having its lower end arranged between and pivotally connected to the lower ends of said coupling links, means adapted to be secured to the window sash for pivotally supporting the upper ends of said links, a coupler member, a depending crank arm on the inner end of said shaft, a vertically movable non-revoluble tube adapted to be arranged in the body of the window frame and having said member fixed thereto, a depending attaching link pivoted at its upper end to said member and at its lower end to said arm, and means correlating with said tube to provide a vertical movement for the latter to thereby elevate and lower said lifting rod through said member, attaching link, arm and shaft to swing the window sash.

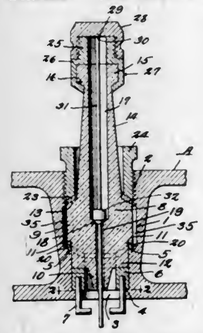
2,252,635
LADLE POURING NOZZLE
Raymond Karr, Johnstown, Pa.
Application March 5, 1940, Serial No. 322,407
3 Claims. (Cl. 22—85)

1. In combination, a ladle, a refractory wall in the ladle, a nozzle brick embedded in said wall and having a length greater than the thickness of said wall, said ladle having an opening and said brick extending through and beyond said opening, a plate fixed to said ladle and formed with an outwardly offset seat to receive the outer end of said brick, said brick having a concave recess in its inner end and a socket extending inwardly from its outer end and terminating outwardly of said recess, said brick also having a passage communicating said recess with said socket, an axially apertured nozzle member formed with a body engaging in said socket and with a reduced



nozzle at its outer end, and a holding plate removably fixed to said first plate having an aperture through which said nozzle projects.

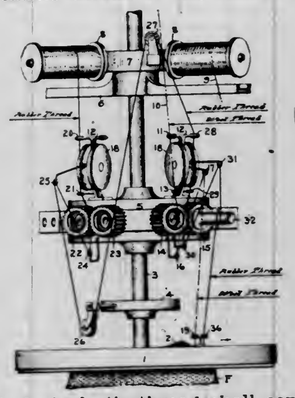
2,252,636
SPARK PLUG
Emil Kohout and Kenneth Lee Ingersoll, Jackson, Mich.
Application April 27, 1940, Serial No. 332,078
8 Claims. (Cl. 123—169)



1. In a spark plug the combination with a member having a recess and superposed annular shoulders therein, of a ring removably seated on one of the shoulders, an electrode projecting therefrom and beyond the recess, there being a notch in the ring, a washer seated on the other shoulder, an insulating core, means on the core and insertible into the washer and the notched ring for holding said washer and ring against relative rotation, a central electrode carried by and projecting from the core, and means engaging a wall of the recess for compressing the washer between its supporting shoulder and the core.

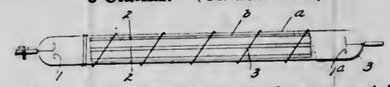
2,252,637
KNITTING MACHINE
John Lawson, Bristol Highlands, R. I., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application August 8, 1935, Serial No. 35,327
3 Claims. (Cl. 66—146)

1. A knitting machine having needles and means for feeding a relatively inelastic thread or yarn and an elastic thread to the needles, said feeding means including cooperating rotary, driven rolls between which the inelastic thread passes for drawing the said elastic thread from the source of supply and to remove the normal tension exerted upon the said elastic thread from the source of supply, a second pair of rotary, driven members between which the said elastic thread also passes to assist in removing the tension from the elastic thread, in combination with a rotary means for so acting upon the elastic thread as uniformly to retard free movement of the said elastic thread to the needles so that



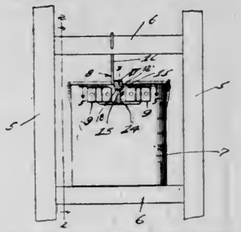
the relatively inelastic thread shall conceal the elastic thread on both faces of the fabric.

2,252,638
ANIMATED ELECTRICAL DISCHARGE DEVICE
John H. McCauley, Hillside, N. J., assignor to Joseph F. Frese, Baltimore, Md., as trustee
Application October 10, 1938, Serial No. 234,228
3 Claims. (Cl. 176—122)



1. An electric discharge device comprising a closed glass tube containing a rare gas and spaced electrodes of solid material and a filler of insulating material between said electrodes, said filler affording a plurality of passageways for the electric discharge, and means for influencing the course of the discharge comprising electrically conductive material in contact with or closely adjacent the outer side of that portion of the tube containing the filler and not obscuring the filler, said conductive material being electrically connected to one only of said electrodes.

2,252,639
PAINTER'S POT HANGER
Charles T. Miller, Paramus, N. J.
Application August 6, 1940, Serial No. 351,579
1 Claim. (Cl. 248—211)



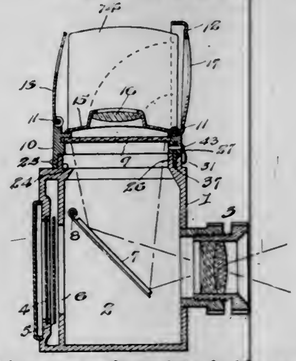
A hanger of the character described comprising a substantially U-shaped receptacle attachable element having an eye intermediate its end portions, a substantially lateral connector, upstanding end portions on said connector, one upstanding end portion having a lateral opening therethrough and the other upstanding end portion having a vertical opening therethrough,

means extending through said eye and the lateral opening in said one upstanding end portion to swivelly secure said lateral connector and U-shaped element together, a hook, a shank on said hook, a laterally disposed end portion on said shank having a vertical opening therein in alignment with said vertical opening in said other upstanding end portion of said connector, and means extending through said aligned openings for swivelly securing the laterally disposed end portion on said shank and the said other upstanding end portion of said connector together.

2,252,640

REFLEX CAMERA

Karl Nüchterlein, Dresden, Germany
Application January 23, 1940, Serial No. 315,261
In Germany July 18, 1939
1 Claim. (Cl. 95—42)

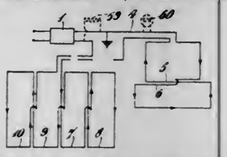


Attaching means for a detachable camera hood comprising a pair of spaced pins extending from one wall of the hood and adapted to engage openings in the camera, spaced flanges on the camera forming a groove, spaced flanges on the hood forming a groove, a latching pin extending across said hood groove, a latching plate slidably secured in said camera groove and said plate having a central upwardly extending portion formed with a bayonet slot therein adapted to co-operate with said latching pin, and means for moving the plate to pin engaging or disengaging position.

2,252,641

METHOD OF AND APPARATUS FOR THE TRANSMISSION OF SPEECH AND OTHER SOUNDS

Joseph Poliakoff and Oswald Barber Sneath, London, England
Application June 30, 1938, Serial No. 216,816
In Great Britain July 5, 1937
23 Claims. (Cl. 179—82)

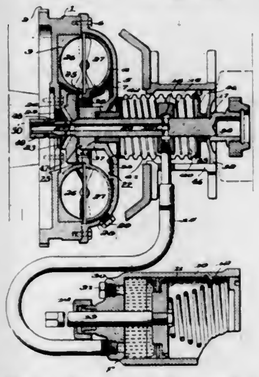


1. In an apparatus for transmitting speech or other sounds throughout a limited space by means of electro-magnetic induction, a thermionic amplifier and a transmitting conductor coupled to the output of said thermionic amplifier and arranged to form a plurality of loops in series with certain loops arranged in clockwise relation and other loops in counterclockwise relation, the area enclosed by the series of loops in which the current flows in a clockwise direction being substantially equal to the area enclosed by the series of loops in which the current flows in a counterclockwise direction, whereby the intensity of the field at a distance is reduced.

2,252,642

HYDRAULIC COUPLING

Isaac C. Popper, New York, N. Y., assignor to Automatic Turbine Drive Company, Inc., Providence, R. I., a corporation of New York
Application April 1, 1939, Serial No. 265,506
3 Claims. (Cl. 60—54)



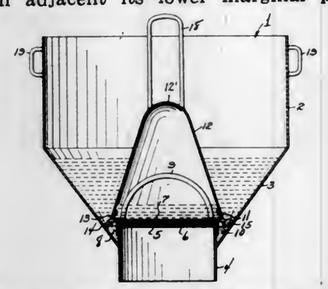
2. A hydraulic coupling including driving and driven rotors forming a fluid chamber therebetween, a case connected with one of the rotors and having a space between it and the other rotor forming an external chamber in communication with the chamber between the rotors at the outer and inner peripheries, thereby forming a circulatory system for fluid between the rotors and around one of them, a driven shaft having a channel formed longitudinally through at least a portion of its length in communication with the external chamber and the chamber between the rotors, a compression cylinder adapted to receive fluid, in communication with the channel of the driven shaft, means surrounding the point of communication between this cylinder and the channel, spring-pressed disks concentric with the driven shaft, and through which the latter turns, and a seal surrounding a portion of the shaft and the said means, said seal comprising a cylindrical sleeve connected at its ends to the disks.

2,252,643

MILK STRAINER

Leo F. Rasha, Taberg, N. Y.
Application July 24, 1939, Serial No. 286,249
2 Claims. (Cl. 210—156)

1. The herein described milk strainer, comprising a main receptacle body having a cylindrical upper portion open at its top and a hollow truncated inverted conical bottom proper, a cylindrical spout member secured with leaktight fitting in the opening produced by the truncation of the bottom proper of the receptacle, the upper end of the spout member being closed by a perforated end wall and projected upwardly into the receptacle to provide a raised filtering bottom, the lower end of said spout member being open, a filter element superimposed upon said filtering bottom, a perforated filter cover plate superimposed upon said filtering element and provided with an annular enclosing flange fitted detachably on said raised filtering bottom of the receptacle, an annular baffle flange on said filter cover plate, said baffle flange having peripheral extensions, and a hollow flow-controlling cone disposed above said filter cover plate and having provision adjacent its lower marginal portion

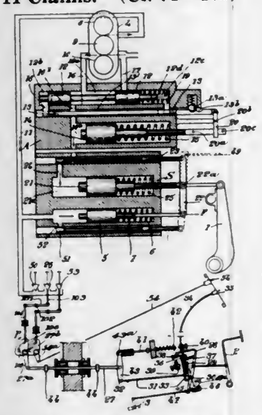


for detachable interfitting engagement with the peripheral extensions of said baffle flange of the filter cover plate whereby the cone is supported on said baffle flange with a restricted annular space between the periphery of the flange and the adjacent wall portion of the cone, the edge of the cone being in restricted spaced annular relation to the adjacent wall portion of the inverted conical bottom proper of the receptacle.

2,252,644

SPEED CONTROLLING DEVICE

Leo Robin and Mathieu van Roggen, Sprimont, Belgium
Application November 27, 1936, Serial No. 113,074
In Belgium November 29, 1935
11 Claims. (Cl. 74—472)

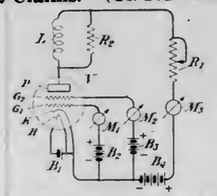


1. In a power plant including an engine for performing a certain work and a change speed device associated with said engine on the output side thereof, a control system which comprises, in combination, a fluid pump arranged to act as a regulator driven by said engine so as to be responsive to speed variations thereof, a circuit for said fluid pump, a piston subjected to the fluid pressure in said circuit, means for operating the change speed device in accordance with the displacements of said piston, adjustable valve means in said circuit for determining the law of displacement of said piston as a function of the engine speed, an element, for controlling the power delivered by said engine, adjustable control means, interposed between said element and said adjustable valve means, for acting upon said valve means in accordance with variations of the power delivered by said engine, means for modifying the adjustment of said adjustable control means and manually adjustable means operable independently of the last-mentioned means for adjusting said valve means.

2,252,645

APPARATUS FOR PRODUCING CONSTANT CURRENT

James Ferguson Rougvie, Belmont, Mass., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 3, 1939, Serial No. 271,580
2 Claims. (Cl. 171—312)

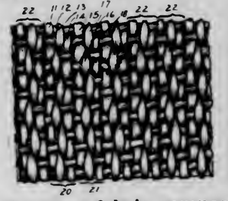


1. Apparatus for supplying substantially constant direct current to a device having an impedance which may be varied over a large range, comprising a gas discharge tube including an anode, a cathode and two grid electrodes, a toroidal electromagnetic coil in close proximity to but outside the envelope of the tube and having its axis coincident with the axis of the envelope, said coil impressing a magnetic field upon all of the electrodes of the tube, a source of voltage connected in series with the coil and the anode and cathode electrodes of the tube as well as with said device, and means for applying predetermined positive voltages to said grid electrodes with respect to said cathode.

2,252,646

WOVEN FABRIC

Sidney H. Scheuer, New York, N. Y.
Application March 1, 1941, Serial No. 381,349
4 Claims. (Cl. 139—426)



1. A finished woven fabric composed of warp and filler threads of continuous-filament synthetic yarn, the warp threads consisting of groups with which the filler threads interweave, the warp threads in each group being no less than four and no more than six in number, the outer warp threads of each group being each in simple woven relation to the filler threads, each of the inner warp threads of each group being woven so as to float successively over and under groups of at least two filler threads each, the adjacent inner warp thread floating under and over the same filler thread groups respectively, the filler threads having a voile twist imparted thereto whereby said warp thread groupings tend to become accentuated and thereby impart a ribbed effect to the fabric, said fabric simulating the appearance,

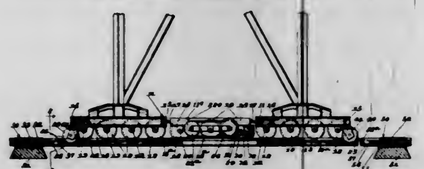
feel, and other favorable characteristics of a knitted fabric composed of similar continuous-filament synthetic yarn.

2,252,647
WATCH
Werner Schmitz, Grenchen, Switzerland
Application October 23, 1939, Serial No. 300,860
In Switzerland August 18, 1939
9 Claims. (Cl. 58—88)



5. In a watch of the "skeleton" type having a visible movement, a framing member of moulded non-metallic material bearing the figures, said member having a thickness sufficient to frame the movement without needing any metallic support, two crystals, and a case-band embracing said framing member and forming bezels for said crystals.

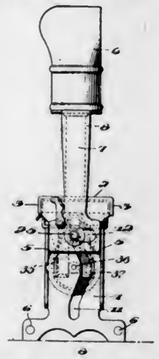
2,252,648
DEVICE FOR CLAMPING CRANES AND THE LIKE
Frank G. Scobie, Duluth, Minn.
Application March 8, 1940, Serial No. 323,049
3 Claims. (Cl. 188—33)



1. In an anchoring mechanism, a pair of spaced trucks mounted on spaced rails, an intermediate narrow truck connecting the spaced trucks together and supported in a vertical plane by the spaced trucks, a single rail track running longitudinally beneath the trucks, wheels on the intermediate truck located in a single vertical plane and supported by the single rail, rotatable members mounted on the intermediate truck at opposite sides of the rail, a cable at each side of the intermediate truck and having a portion thereof wound on the rotatable members, fixed supports, one of each supports being located beyond the outer ends of the trucks, resilient means mounted in the supports, means connected to each end of the cables and adapted to compress the springs when a pull is exerted on the cables, and braking means associated with the rotatable members for retaining said members and likewise the trucks against movement.

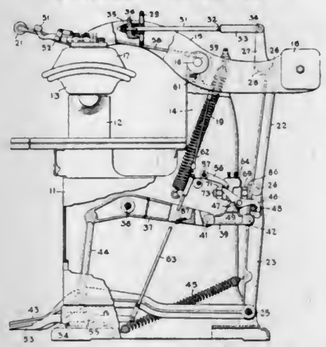
2,252,649
SELF-INKER
Harry Smallman, Philadelphia, Pa., assignor to Hill-Independent Manufacturing Company, Germantown, Philadelphia, Pa., a corporation of Pennsylvania
Application September 5, 1940, Serial No. 355,513
7 Claims. (Cl. 101—333)

1. A hand-stamp including a frame having a top plate and channeled and slotted sides, a yoke embracing and fitted to slide in the channeled sides, and having a transversely disposed slot in each end, a unit including a die-plate and dater or numberer, a pin extending through the slots in the sides and in the yoke and through the unit, and studs projecting from the sides of the frame and with which the die-plate has sliding pivotal



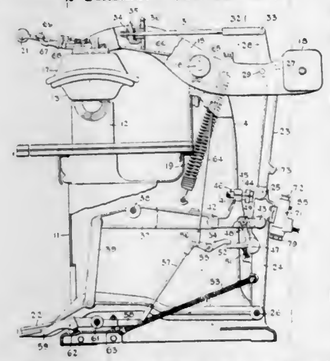
contact, the studs acting as a fulcrum for causing the unit to turn into its desired position with the upward and downward movement of the yoke.

2,252,650
GARMENT PRESSING MACHINE
William Strobridge, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1940, Serial No. 327,289
4 Claims. (Cl. 38—36)



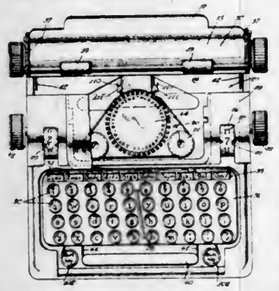
1. The combination of a support; a buck mounted thereon; a lever fulcrumed on said support; a head carried by the lever toward and from the buck; a toggle mechanism having a portion reacting between said support and said lever and serving when the toggle approaches straightened position to move said head into operative relation to said buck and on further movement develop pressure between the head and the buck; a latch for maintaining said toggle mechanism in said pressure developing position; operator operated means for holding said latching disengaged; a buffer carried by said toggle mechanism and reacting between components thereof to buff the final movement of the toggle mechanism to pressure developing position; and displaceable means forming a part of said buffing mechanism for delaying restoration of the buffing element after its displacement, whereby the head may be patted against the buck with less than the normal resistance offered by said buffing element after the first impact.

2,252,651
GARMENT PRESS
William Strobridge, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1940, Serial No. 327,290
2 Claims. (Cl. 38—36)



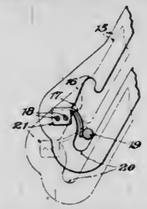
2. In a garment press, the combination of a support; a press lever fulcrumed on a fixed portion of said support; cooperating pressing members carried by said support and lever; a toggle for bringing said pressing members into and out of pressing relation, said toggle comprising a pair of links hinged together and interposed between said support and lever; means for straightening the toggle; yielding means reacting upon said toggle to open the press; a liquid charged cylinder structure mounted on one of said links; piston means guided in said cylinder and operable to displace liquid therefrom upon inward motion of the piston, said piston including a plunger projecting from said cylinder structure; a spring urging said piston and plunger outward; valve means associated with said piston and adapted to delay inward motion of the piston by retarding liquid displacement but permitting rapid return flow; and means on the other of said links positioned to displace said plunger inward only near the limit of opening movement of the toggle whereby arrest of the opening movement of the press is cushioned.

2,252,652
TYPEWRITER
Joseph Lee Sweeney and Harry Bates, New York, N. Y., assignors to Bates Laboratories, Inc., New York, N. Y.
Application May 13, 1938, Serial No. 207,819
19 Claims. (Cl. 197—45)



1. In a typewriter of the character having a forward depressible dummy keyboard and a rear rotatable platen, said keyboard being provided with key buttons adapted to be struck by the fingers of the operator, indicator cylinder means arranged between the platen and keyboard and rotatable about an axis parallel to the axis of the platen, a type member movable in synchronism with the indicator cylinder means and also arranged between the platen and the keyboard, stationary means cooperating with the indicator cylinder means to indicate the type character of the type member selected to be printed, means for simultaneously turning the indicator cylinder means and the type member, and means cooperating with the keyboard and platen for causing relative movement between the platen and type member, one toward the other, upon depression of the keyboard.

2,252,653
LATCHING MEANS
Marvin Lyle Thomas, Norfolk, Va.
Application February 13, 1939, Serial No. 256,215
3 Claims. (Cl. 217—60)



3. A latch adapted to function as a tie for relatively reciprocable elements comprising, a member secured at one end to one of the elements and a stud secured to the other element, said member having a stud contacting edge defining a path of relative movement of said stud and said member, means for continuously maintaining said stud and member in said path regardless of the direction of relative movement, said edge of said member being provided with a reentrant recess, and an element attached to said member normally projecting from said edge into said path at a point adjacent said recess and between the recess and the free end of said member, said element being spring held in normal position but adapted to be moved in either direction by contact with said stud, said element being so positioned with respect to the recess as to act as a grope when moved in one direction and when moved in the other direction serving to bridge the mouth of said recess to prevent entry of said stud therein, whereby said element may aid in directing the stud into the recess upon relative movement of said stud and member in one direction and will be flexed by contacting with said stud to close the recess upon relative movement in the opposite direction after relative movement beyond the recess.

2,252,654
PACKAGED GOODS DISPENSER
Minor D. Webber, Salem, Va., assignor of one-half to Frank C. Wiley, Jr., Salem, Va.
Application July 23, 1940, Serial No. 347,081
2 Claims. (Cl. 211—49)

1. A device of the character described including a plurality of cells open throughout their sides, tops and bottoms, each cell consisting of horizontally disposed rings, uprights connecting these rings together to form sides of the cells, bridging means to serve as supports in the bottom of the cells, the rings connected together in horizontal groups, and a plurality of lifters con-

sisting of uprights connected together at their upper and lower ends and having open sides, a



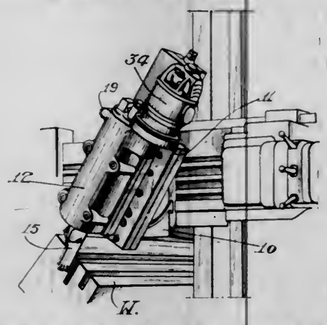
ring at the lower end of each lifter, and a connecting portion at the top forming a handle.

2,252,655

ROTATABLE TOOL HOLDER

Harry Russell Young, Lower Merion, and Roderick P. Stocking, Drexel Hill, Pa., assignors to William Sellers & Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania

Application October 13, 1939, Serial No. 299,359
8 Claims. (Cl. 90—52)



1. A tool mounting for planers and the like comprising a casing, a tool holder mounted for rotation in said casing, a rotatable member, yieldable means to reversely rotate said member, an element secured to the tool holder, means to positively limit rotation of said element to a predetermined arc, means to lock said tool holder to said casing including a part movable with relation to both the casing and tool holder through predetermined limits, said means to rotate the tool holder initially disengaging said lock and subsequently re-engaging the same.

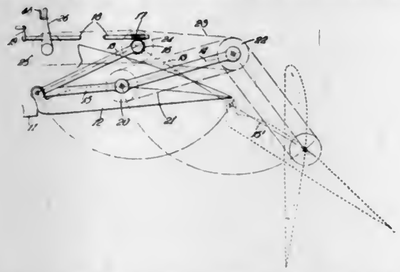
2,252,656

FLAP FOR AIRFOILS

Robert Talbot Youngman, Church Crookham, Aldershot, England, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England

Application July 25, 1938, Serial No. 221,227
In Great Britain August 19, 1937
2 Claims. (Cl. 244—42)

1. In an airplane wing, a flap, and means mounting said flap for movement between an upper, retracted position and lower, extended positions, comprising first pivot means on said flap, second pivot means on said flap to the rear of said first pivot means, a crank arm, axle means mounting said crank arm on said wing for rotation about a fixed axis to the rear of said pivot means when said flap is retracted, a link having one end pivoted on said first pivot means and the other end pivoted to said axle means, a second link having one end pivoted to said second pivot means and its other end pivoted to the free end of said crank arm, extensible means mounted on said wing and connected to said first pivot



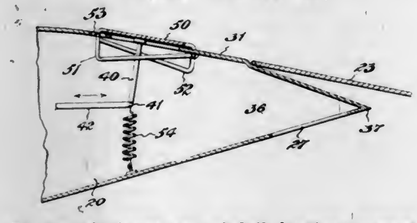
means to rock the same about said axle means whereby to swing said flap between retracted and extended positions, and driving means operable independently of said extensible means for swinging said crank arm about said axle means whereby to rotate said flap about said first pivot means.

2,252,657

AIRFOIL SLOT

Edward F. Zap, Westwood Village, Calif.

Original application March 11, 1938, Serial No. 195,381. Divided and this application August 30, 1939, Serial No. 292,726
1 Claim. (Cl. 244—42)



In an airplane, an airfoil having means including a substantially spanwise extending slot in the upper surface of the airfoil connecting the space over the airfoil with the space below it, a cover over the slot mounted rotatable about its forward edge and rotatable about its rear edge, and control means operable by the pilot during flight for turning the cover selectively about either of said edges from its neutral position flush with the airfoil top.

2,252,658

PREPARATION OF STEARATES AND PALMITATES

Maurice H. Bigelow, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware

No Drawing. Application June 24, 1938, Serial No. 215,709
5 Claims. (Cl. 260—414)

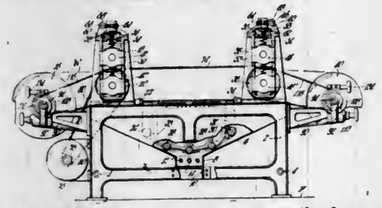
1. A method of preparing zirconium, titanium and cerium salts of stearic acid and palmitic acid substantially free from the acid that comprises adding to a sulfuric acid solution of a salt of the metal a substance selected from the group consisting of barium carbonate, barium hydroxide, barium oxide and barium sulfide, and then mixing the resulting solution with a solution of a soap of the acid.

2,252,659

DYE JIG

Fred Kenyon, Bradford, R. I., assignor to B. F. Perkins & Son, Inc., Chicopee, Mass., a corporation of Massachusetts

Application July 20, 1937, Serial No. 154,591
5 Claims. (Cl. 68—180)



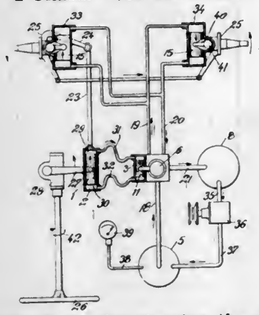
1. A machine of the class described comprising in combination, a frame work having supports at opposite ends thereof and a tank therebetween, pairs of coacting rolls disposed above each end of said tank, mountings for each pair of rolls associated with the said supports arranged and adapted for rotatably supporting the rolls of each pair with the peripheries thereof in yielding engagement, a plurality of guide rolls disposed for rotation in said tank and between and below said pairs of rolls, driving connections between a certain of the rolls of each pair of rolls, driving means for said machine connected to one of said certain rolls, arbors rotatably mounted at each end of said machine, and driving connections between said certain rolls and said arbors including variable friction devices, all adapted and arranged whereby a web may be unwound from a roll on either one of said arbors, passed between the pair of rolls adjacent said one arbor around said guide rolls downwardly into, across and upwardly of said tank and outwardly between the other pair of rolls and rewound on the other of said arbors.

2,252,660

HYDRAULIC DEVICE FOR STABILIZING AND STEERING PURPOSES

Waldemar Kulikoff, Berlin-Grunewald, Germany

Application January 27, 1939, Serial No. 253,161
In Germany February 5, 1938
1 Claim. (Cl. 180—792)



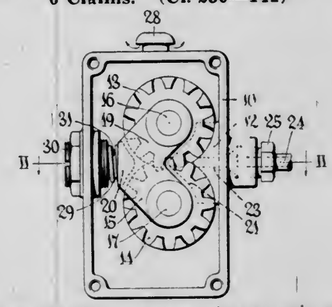
A hydraulic device for steering the road wheels of road vehicles comprising the subcombination of: a first hydraulic circuit; a movable cylinder; a movable piston in said cylinder; means for moving said piston; and a movable control member, said cylinder, piston and control member being included in said first circuit; a second hydraulic circuit operatively associated with said first circuit; a fluid supply container; a valve device adapted to control the flow of fluid in said second circuit, said device being operatively connected to said control member in said first circuit and a main operating piston for connection to a stub axle of the vehicle road wheels, said container, valve device and piston being included in said second circuit, the arrangement being such that, on actuation of said piston in said first circuit, said control member is moved positively to actuate said valve device to allow fluid in said second circuit to flow in said circuit and actuate said main operating piston in said second circuit; and link mechanism positively connecting said last-mentioned piston to said movable cylinder in said first circuit for the purpose of causing said piston in said cylinder to return to its initial neutral position, on said moving means ceasing to operate, and closing said second circuit substantially as described.

2,252,661

AIR PUMP

John R. Oishei, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application November 30, 1938, Serial No. 243,230
6 Claims. (Cl. 230—141)



1. In a rotary pump, a casing, a pair of interengaging impelling members adapted to be jointly rotated, means rigidly associated with said casing for cooperation with the peripheries of said impelling members to form pump chambers, and movable mounting means for said impelling members whereby said members may be moved transversely to their axes and thereby maintained in intimate peripheral contact with said rigid means, said rigid means having a fluid passage terminating adjacent said impelling members.

2,252,662

METAL SALTS OF ALKYL SUBSTITUTED HYDROXYAROMATIC CARBOXYLIC ACIDS

Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application June 11, 1938, Serial No. 213,183
14 Claims. (Cl. 260—429)

1. A metal salt of an alkyl-substituted hydroxyaromatic carboxylic acid in which the alkyl substituent contains at least twenty carbon atoms and is attached to the aryl nucleus.

2,252,663

ALKYL SUBSTITUTED ARYL METAL HYDROXYLATE AND METHOD OF MAKING IT

Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application July 2, 1938, Serial No. 217,282
14 Claims. (Cl. 260—429)

1. An alkyl-substituted aryl metal hydroxylate

in which the alkyl substituent contains at least twenty carbon atoms and is attached to the aryl nucleus.

2,252,664

ALKYL SUBSTITUTED METAL ARYL HYDROXYLATE-METAL CARBOXYLATE SALTS AND A METHOD OF MAKING THEM

Orland M. Reiff, Woodbury, John J. Giammaria, Riverside, and Horace E. Redman, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application July 16, 1938, Serial No. 219,594
15 Claims. (Cl. 260—429)

1. A metal salt of an alkyl-substituted hydroxyaromatic carboxylic acid in which both the hydroxyl hydrogen and the carboxyl hydrogen are substituted with metal and in which the alkyl substituent contains at least twenty carbon atoms and is attached to the aryl nucleus.

2,252,665

METAL SALTS OF ALKYL SUBSTITUTED ARYL ETHER ACIDS AND METHOD OF MAKING THEM

Orland M. Reiff, Woodbury, N. J., and Ferdinand P. Otto, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application August 17, 1938, Serial No. 225,422
11 Claims. (Cl. 260—429)

1. As a composition of matter, an intimate mixture of the metal salts of alkyl-substituted aroxyaliphatic carboxylic acids in which the carboxyl hydrogen is substituted with the same metal, the said salts differing from each other with respect to the nature of the alkyl substituent, the said alkyl substituents being attached to the aryl nuclei and comprising essentially aliphatic hydrocarbon groups having a composition corresponding substantially to the different aliphatic hydrocarbons contained in paraffin wax.

2,252,666

WAX-SUBSTITUTED ARYL ETHER ACIDS AND METHOD OF MAKING SAME

Orland M. Reiff, Woodbury, N. J., and Ferdinand P. Otto, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application August 26, 1938, Serial No. 226,910
13 Claims. (Cl. 260—521)

1. As a new composition of matter, an alkyl-substituted aryl ether carboxylic acid in which the alkyl substituent contains at least twenty carbon atoms, the said product possessing the property of depressing the pour point and improving the viscosity index of a mineral oil when admixed therewith in a minor proportion.

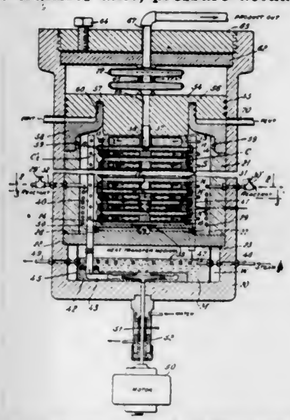
2,252,667

CATALYTIC APPARATUS

Carleton H. Schlesman, Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application January 4, 1941, Serial No. 373,073
10 Claims. (Cl. 23—288)

10. In a catalytic apparatus, the combination of a relatively thin catalyzer unit; a hollow heat-transfer unit engaging said catalyzer unit; means for circulating a heat-transfer medium through said heat-transfer unit; pressure-actuated means



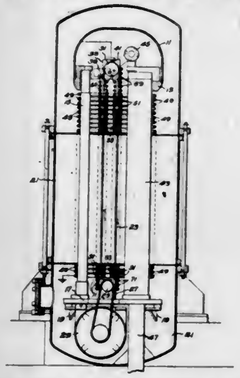
for maintaining continuous pressure-engagement between the two units; and means for circulating reactant fluid through said catalyzer unit.

2,252,668

ELECTROSTATIC APPARATUS

John G. Trump, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

Application February 24, 1939, Serial No. 258,268
19 Claims. (Cl. 171—329)



1. A high voltage electrostatic apparatus, comprising a high voltage terminal, insulating supporting means, a movable charge-carrier for conveying charges between said terminal and ground, means surrounding said terminal, supporting means and conveyer with gas at a high pressure, and means to limit the extent and increase the uniformity of the distribution of the electric field due to the conveyer charge.

2,252,669

METHOD OF DRILLING

Roy Cross and Walter M. Cross, Jr., Kansas City, Mo., assignors to Kansas City Testing Laboratory, Kansas City, Mo., a corporation of Missouri

No Drawing. Application September 9, 1937, Serial No. 163,029
5 Claims. (Cl. 255—1)

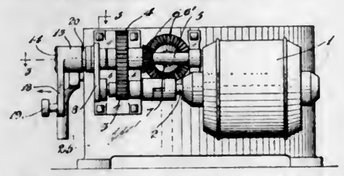
1. In the art of drilling oil and gas wells, the steps which comprise carrying out the drilling operation with a brine drilling fluid capable of precipitating cellulose or cellulose hydrate from a zinc chloride solution of cellulose, and introducing into the drilling system at intervals during the general course of the drilling operation segments of a zinc chloride solution of cellulose, each segment being separated from the regular drilling fluid in the system by a buffer material which is substantially non-reactive with both the regular drilling fluid and the cellulose solution.

2,252,670

DEVICE FOR MANUALLY ADJUSTING MACHINES

Daniel Douglas Demarest, Little Neck, N. Y., and Carl Berendt, East Orange, and William Karius, Irvington, N. J., assignors to Automatic Linker, Inc., Newark, N. J., a corporation of New York

Application August 1, 1940, Serial No. 349,213
5 Claims. (Cl. 192—67)



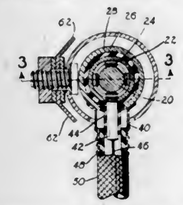
1. In a device of the class described, a shaft, a sleeve in which said shaft is journalled, said sleeve having a flange at one end thereof, a rotatable and axially shiftable casing surrounding said sleeve and having a shoulder, a compression spring encircling the sleeve and abutting said flange and shoulder, a bar fixed to one end of the shaft, a pin extending inwardly from the casing and adapted to have driving engagement with the bar, said casing having a recess in the outer wall thereof, and a spring pressed plunger adapted to be positioned in said recess to hold the casing in a definite position so that the pin will not engage the bar.

2,252,671

CONCEALED ANTENNA MOUNTING

Sidney Ludwig, Cleveland, Ohio, assignor to The Ward Products Corporation, Cleveland, Ohio, a corporation of Ohio

Application March 15, 1941, Serial No. 383,600
14 Claims. (Cl. 250—33)



1. In an antenna mounting permitting substantially the entire antenna to be concealed beneath an external wall of an automobile, a telescopic antenna, a fixed ground sleeve, means for insulating said ground sleeve from said antenna, a nut threaded on said ground sleeve, a washer engaged by said nut, said washer having a spheroidal outer surface, a hollow stanchion seated on said washer, a resilient pad engaged by said stanchion, said pad being adapted to engage the outer surface of the automobile wall and span the opening therein through which the antenna extends, a fastening sleeve connected with said ground sleeve, a pair of fixed grounding teeth on said fastening sleeve, a dog, a pair of grounding teeth on said dog, means for mounting said dog on said fastening sleeve in a slidable and cantable relationship, means for limiting the canting of said dog, and means for locking the relative position of said dog with respect to said sleeve.

2,252,672

URINAL

Sidney J. McLeod, Worthington, Minn., assignor to David F. McLeod, Worthington, Minn.

Application January 23, 1940, Serial No. 315,256
1 Claim. (Cl. 128—295)



An urinal comprising a non-flexible container of substantially pear-shaped configuration having an elongated neck portion open at its upper end, the said upper end of the neck in side elevation being substantially sigmoidal to conform to the groin, the high portion of the neck being at the front and the low portion of the neck being at the rear, the said low portion of the neck not in frictional contact with the underneath part of the organ, a single flexible suspender for the container secured to the front high portion of the neck, said container at substantially all points therealong being circular in cross section.

2,252,673

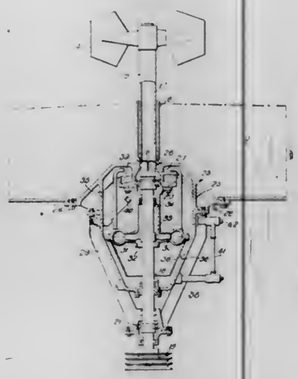
BLOWER FOR HEAT TREATING FURNACE

Theodore W. Munford, Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York

Application October 9, 1939, Serial No. 298,538
3 Claims. (Cl. 308—77)

1. In combination, a support adapted to be secured to the underside of a furnace chamber and having a hub depending therefrom, walls depending from said support to form a container for cooling liquid, a shaft extending upwardly through the bottom of the container and through and beyond said hub for projection into said chamber and having at its upper end a fan for stirring up gases in said chamber, a shaft bearing housed by said hub, and means housed by said walls for drawing cooling liquid from said container and for delivering the same about said hub for cooling the latter, whereby to cool said bearing, said means comprising a hollow body having an inlet facing the bottom of said container, a skirt depending from said body for causing liquid above said body to flow between the

skirt and the adjacent walls of the said container before reaching said inlet, and a rotary



member housed by said body and connected to said shaft for rotation therewith for drawing liquid into said body.

2,252,674

LUBRICATION

Carl F. Prutton, Cleveland Heights, Ohio, assignor to The Lubri-Zol Corporation, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application March 23, 1938, Serial No. 197,734

9 Claims. (Cl. 252—54)

1. A lubricating composition comprising a mineral lubricating oil with the properties of such composition affecting its use as a lubricant improved by incorporating therein from an effective amount to about 20%, based on the amount of mineral oil, of a composition selected from the following class; the reaction product of a complex organic wax of mineral origin and a phosphorus-and-halogen-containing reagent in which the phosphorus has a valence of three or less; the reaction product of a complex organic oil of mineral origin and a phosphorus-and-halogen-containing reagent in which the phosphorus has a valence of three or less; the total amount of phosphorus in the lubricating composition being less than $\frac{1}{10}$% thereof.

2,252,675

STABILIZED HYDROCARBON COMPOSITION AND STABILIZING AGENT THEREFOR

Carl F. Prutton, Cleveland Heights, Albert K. Smith, Shaker Heights, and Delton R. Frey, East Cleveland, Ohio, assignors to The Lubri-Zol Corporation, Wickliffe, Ohio, a corporation of Ohio

No Drawing. Application March 6, 1939, Serial No. 260,220

24 Claims. (Cl. 252—53)

1. A lubricating composition comprising a major proportion of mineral oil, the properties of which affecting its use as a lubricant are improved by the inclusion therein of a minor proportion of an oil-soluble product resulting from the reaction of a hydroxy-ester with a phosphorus and halogen containing compound of the type in which the phosphorus is present in the tri-valent form.

2,252,676

CIGARETTE LIGHTER

Lester Zaken, Brooklyn, N. Y., assignor to Martha P. Condon, New York, N. Y.

Application August 5, 1940, Serial No. 351,542

4 Claims. (Cl. 67—7.1)



1. In a pyrophoric lighter comprising a body having a hollow cover pivotally mounted at one end adapted to be opened and closed, an abradant wheel coaxially mounted with said cover and adapted to contact pyrophoric material to cause a spark when said cover is opening, a bracket in the hollow of said cover held therein by a turned over end of said cover and in frictional contact with its side portions, one of said side portions being formed with slots dividing off a strip portion, teeth formed on one side of said wheel, and a pawl arranged coaxially with said cover having an arm engaged beneath said strip portion to turn along with the cover and having its other end operative with said teeth to turn said wheel when said cover is opening and to idle over said teeth when the cover is closing so that said wheel maintains a stationary position.

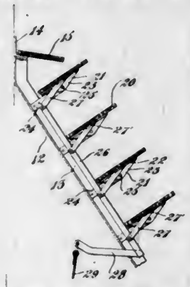
2,252,677

SHUTTER AWNING

J. Otto Ackerman, Cleveland, Ohio

Application September 28, 1940, Serial No. 358,869

8 Claims. (Cl. 156—17)



5. Shutter awning construction including laterally spaced rafter angles secured at their upper ends to a support and depending angularly downward and outward therefrom, arms secured at intervals to the rafter angles and projecting outwardly therefrom, vanes pivoted substantially centrally of their widths on said arms, an operating bar positioned in parallel relation with said rafter angles, and links pivotally connecting said operating bar with said vanes.

2,252,678

EDUCATIONAL GAME DEVICE

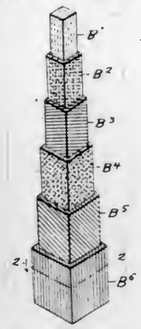
Mary McC. Beary, Catasauqua, Pa.

Application December 9, 1939, Serial No. 308,466

6 Claims. (Cl. 35—26)

1. An educational apparatus comprising a set of blocks divided equally into a plurality of suits, each suit comprising a plurality of similarly shaped blocks of progressively increasing size, each block having at least one open side whereby

all of the blocks of that suit may be snugly nested to form when nested a substantially solid block said nest of blocks and the individual block in



any suit being of a respective distinctive geometrical form, the blocks of each suit being of different geometrical form from the blocks in any other suit.

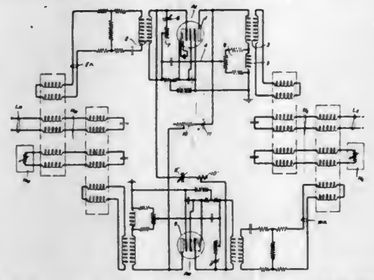
2,252,679

PREVENTING SINGING IN TELEPHONE REPEATERS

Russell S. Hawkins, Ozone Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 3, 1940, Serial No. 350,801

5 Claims. (Cl. 179—170)



1. In a two-way signal transmission system including a two-way signal transmission line and a two-way repeater comprising two oppositely directed one-way signal amplifying paths each including an amplifier, connected in said line by hybrid balancing sets and associated balancing networks, means to prevent the setting up of a singing condition in said repeater due to unbalance between said line and said balancing networks at certain higher frequencies, comprising auxiliary means to balance the current of said certain frequencies only in the circuits of the amplifiers in the two one-way repeating paths against each other.

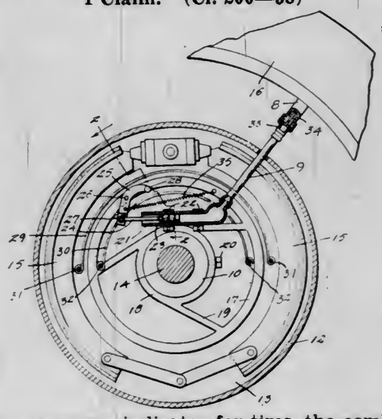
2,252,680

PRESSURE INDICATOR FOR TIRES

George P. Lindholm, Minden, Nebr.

Application September 11, 1939, Serial No. 294,358

1 Claim. (Cl. 200—58)

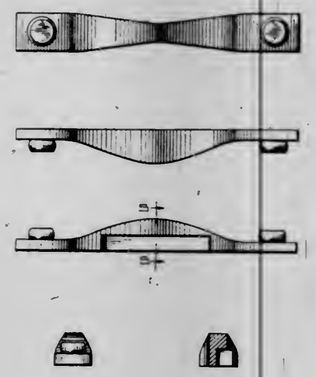


In a pressure indicator for tires, the combination with a motor vehicle wheel hub, brake drum backing plate and tire, of a tire pressure responsive circuit closer comprising a supporting frame secured to the hub to rotate as a unit therewith, a cylinder secured to the frame, a tube connecting the cylinder with the tire, a piston in the cylinder responsive to tire pressure, an arcuate switch lever pivoted intermediate its ends on said frame and pivotally connected at one end to the piston, a laterally disposed extension on the other end of the lever forming a movable switch contact, a pair of concentrically disposed semicircular fixed switch contacts spaced laterally from the brake drum backing plate and from each other to form an unobstructed channel between the contacts on opposite sides of said movable switch contact, insulating posts securing the fixed switch contacts at the ends to the backing plate, and a helical spring connected at one end to said switch lever and at the other end to said frame and normally holding said movable switch contact to move in a path between the fixed switch contacts when the tire pressure is normal, said movable switch contact having wiping engagement with said fixed switch contacts selectively when predetermined high tire pressure or predetermined low tire pressure moves the piston to rock the switch lever on its pivot.

DESIGNS

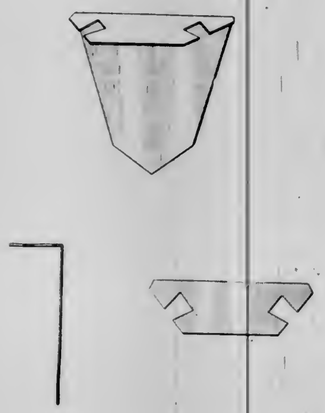
AUGUST 12, 1941

128,774
DESIGN FOR A DRAWER PULL OR SIMILAR ARTICLE
Herman E. De Vries, New York, N. Y., assignor to H. T. Cushman Mfg. Co., North Bennington, Vt.
Application May 6, 1941, Serial No. 100,805
Term of patent 7 years



The ornamental design for a drawer pull or similar article, substantially as shown.

128,775
DESIGN FOR A TOOTHBRUSH HOLDER
James E. Fitzgerald, Sacramento, Calif.
Application May 5, 1941, Serial No. 100,784
Term of patent 7 years



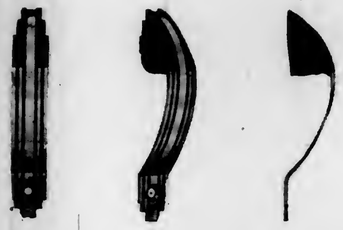
The ornamental design for a toothbrush holder, as shown.

128,776
DESIGN FOR A DRAWER PULL
Robert J. Gans, Los Angeles, Calif., assignor to Pacific Plastic & Mfg. Co., Inc., Los Angeles, Calif., a corporation of California
Application April 7, 1941, Serial No. 100,191
Term of patent 14 years



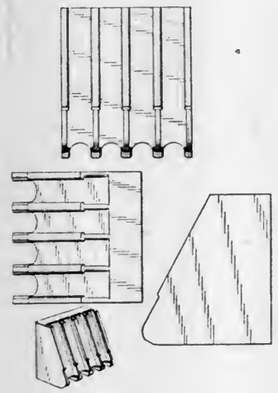
The ornamental design for a drawer pull, as shown.

128,777
DESIGN FOR A DRAWER PULL
Robert J. Gans, Los Angeles, Calif., assignor to Pacific Plastic & Mfg. Co., Inc., Los Angeles, Calif., a corporation of California
Application April 7, 1941, Serial No. 100,192
Term of patent 14 years



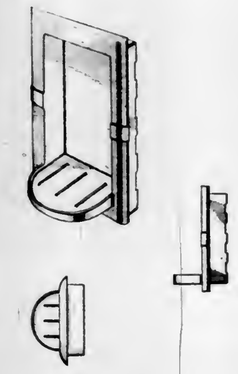
The ornamental design for a drawer pull, as shown.

128,778
DESIGN FOR A DISPLAY STAND
John Gerber, Kearney, Nebr.
Application July 5, 1940, Serial No. 93,449
Term of patent 7 years



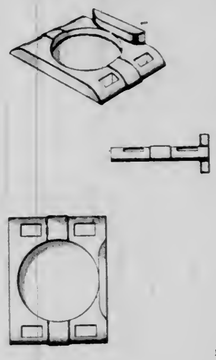
The ornamental design for a display stand, as shown.

128,779
DESIGN FOR A RECESSED SOAP HOLDER OR SIMILAR ARTICLE
Gustave A. Hallenscheid, Los Angeles, Calif.
Application November 13, 1939, Serial No. 88,222
Term of patent 14 years



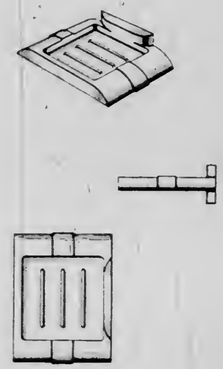
The ornamental design for a recessed soap holder or similar article, substantially as shown.

128,780
DESIGN FOR A COMBINATION TUMBLER AND TOOTHBRUSH HOLDER
Gustave A. Hallenscheid, Los Angeles, Calif.
Original application November 13, 1939, Serial No. 88,222. Divided and this application December 23, 1940, Serial No. 97,552
Term of patent 14 years



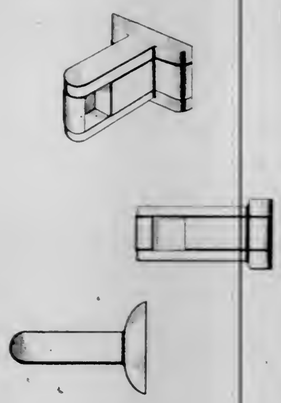
The ornamental design for a combination tumbler and toothbrush holder, as shown.

128,781
DESIGN FOR A SOAP DISH
Gustave A. Hallenscheid, Los Angeles, Calif.
Original application November 13, 1939, Serial No. 88,222. Divided and this application December 23, 1940, Serial No. 97,553
Term of patent 14 years



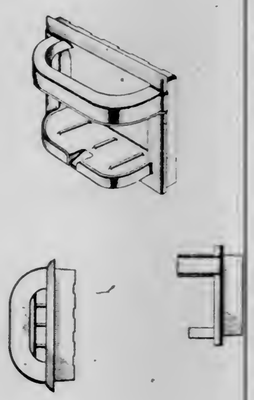
The ornamental design for a soap dish, as shown.

128,782
DESIGN FOR A TOWEL BAR POST
Gustave A. Hallenscheid, Los Angeles, Calif.
Original application November 13, 1939, Serial No. 88,222. Divided and this application December 23, 1940, Serial No. 97,554
Term of patent 14 years



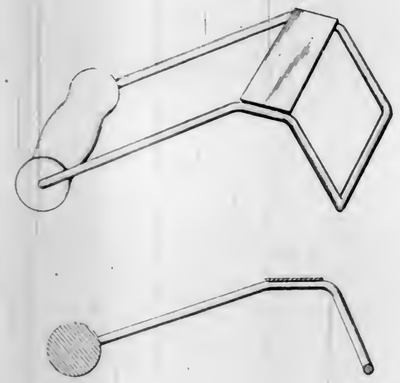
The ornamental design for a towel bar post, as shown.

128,783
DESIGN FOR A COMBINATION SOAP HOLDER AND GRAB BAR
Gustave A. Hallenscheid, Los Angeles, Calif.
Original application November 13, 1939, Serial No. 88,222. Divided and this application December 23, 1940, Serial No. 97,555
Term of patent 14 years



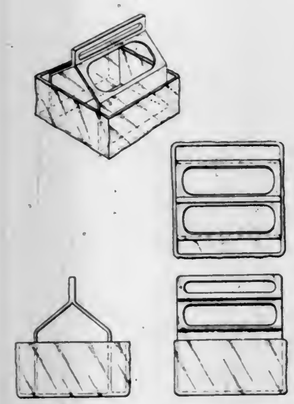
The ornamental design for a combination soap holder and grab bar, as shown.

128,784
DESIGN FOR A VEGETABLE CUTTER
Robert W. Linenfelser, Monroe, Mich.
Application December 11, 1940, Serial No. 97,246
Term of patent 14 years



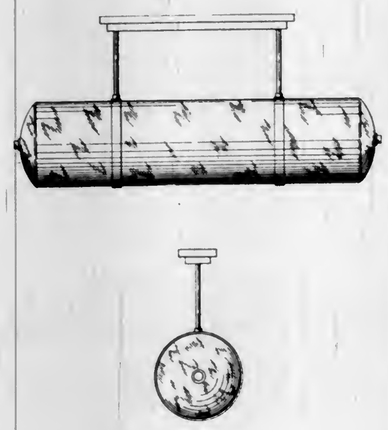
The ornamental design for a vegetable cutter, as shown.

128,785
DESIGN FOR A CONTAINER FOR BOTTLED PRODUCTS
Raymond Loewy, New York, N. Y., assignor to D'Arcy Advertising Co., St. Louis, Mo., a corporation of Missouri
Application October 30, 1940, Serial No. 96,196
Term of patent 7 years



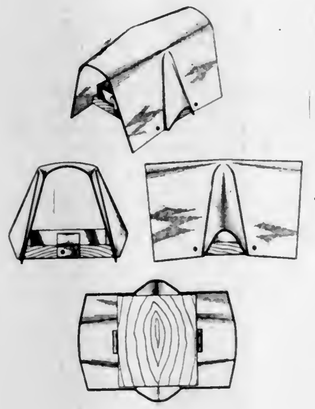
The ornamental design for a container for bottled products, substantially as shown and described.

128,786
DESIGN FOR A LIGHTING FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application December 9, 1940, Serial No. 97,187
Term of patent 14 years



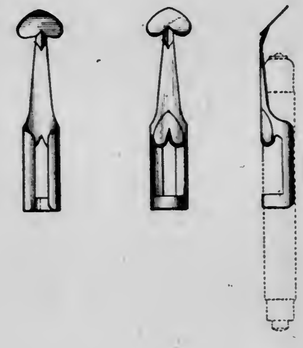
The ornamental design for a lighting fixture, substantially as shown.

128,787
DESIGN FOR A TRAP FOR SNAILS, SLUGS, AND SOW BUGS OR THE LIKE
Bender M. Neison, Orange County, Calif., assignor of one-half to Fred H. Albers, Orange, Calif.
Application May 2, 1941, Serial No. 100,741
Term of patent 3½ years



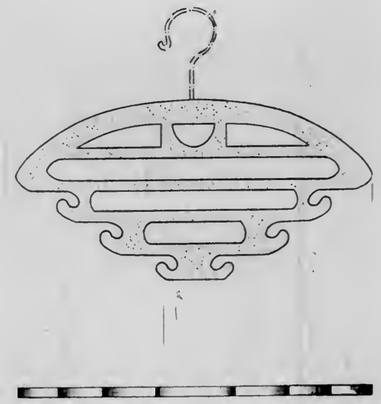
The ornamental design for a trap for snails, slugs, and sow bugs or the like, as shown.

128,788
DESIGN FOR A COMBINED FLASHLIGHT AND DETACHABLE REFLECTOR
Leroy V. Porter, Altoona, Iowa
Application January 2, 1941, Serial No. 97,780
Term of patent 7 years



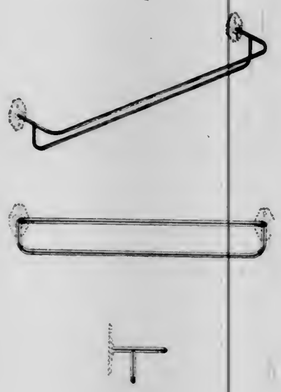
The ornamental design for a combined flashlight and detachable reflector, substantially as shown and described.

128,789
DESIGN FOR A CLOTHES HANGER
Gilbert J. Rhodes, New York, N. Y.
Application June 7, 1941, Serial No. 101,333
Term of patent 14 years



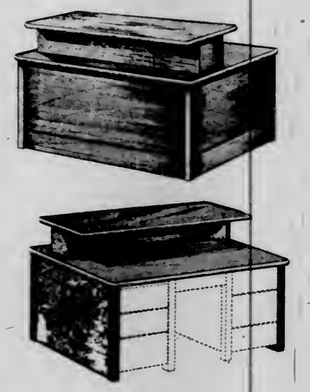
The ornamental design for a clothes hanger, substantially as shown and described.

128,790
DESIGN FOR A TOWEL BAR
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application April 3, 1941, Serial No. 100,112
Term of patent 7 years



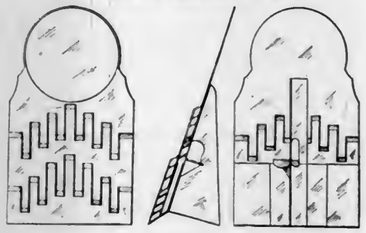
The ornamental design for a towel bar, substantially as shown.

128,791
DESIGN FOR A COMBINED DESK AND COUNTER OR SIMILAR ARTICLE
Ohmer Ullery, Columbus, Ohio, assignor to The Ohio Fuel Gas Company, Columbus, Ohio, a corporation of Ohio
Application January 24, 1941, Serial No. 98,370
Term of patent 14 years



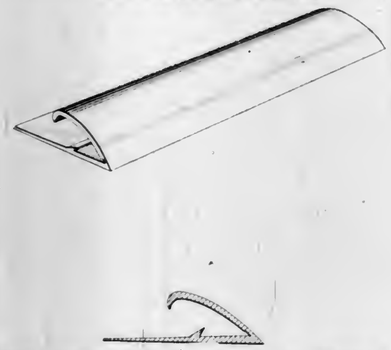
The ornamental design for a combined desk and counter or similar article, substantially as shown and described.

128,792
DESIGN FOR A DISPLAY STAND, FOR CIGARETTE LIGHTERS, FLASHLIGHTS, OR THE LIKE
Alexander Sydney Weston, New York, N. Y.
Application April 19, 1941, Serial No. 100,524
Term of patent 7 years



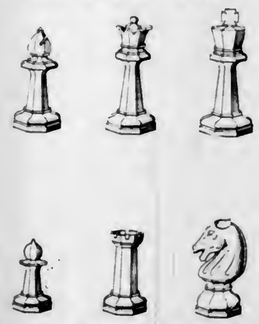
The ornamental design for a display stand, for cigarette lighters, flashlights, or the like, as shown.

128,793
DESIGN FOR AN EDGING STRIP OR SIMILAR ARTICLE
William L. Bonnell, Columbus, Ohio
Application May 13, 1940, Serial No. 92,323
Term of patent 14 years



The ornamental design for an edging strip or similar article, as shown.

128,794
DESIGN FOR CHESSMEN
William F. Drueke, Grand Rapids, Mich.
Application June 9, 1941, Serial No. 101,358
Term of patent 14 years



The ornamental design for chessmen, as shown.

128,795
DESIGN FOR LITHOGRAPHED SHEET METAL FOR METAL CONTAINERS OR THE LIKE
Everett E. Engstrom, White Plains, N. Y., assignor to National Can Corporation, New York, N. Y., a corporation of Delaware
Application June 20, 1941, Serial No. 101,579
Term of patent 7 years



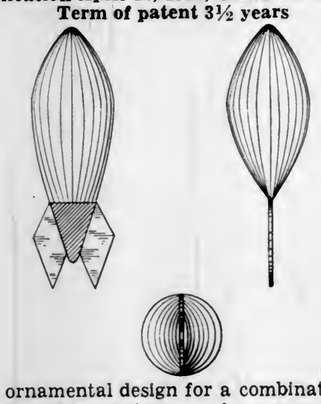
The ornamental design for lithographed sheet metal for metal containers or the like, substantially as shown.

128,796
DESIGN FOR A DOLL
Julia C. Gray, Washington, D. C.
Application May 31, 1941, Serial No. 101,253
Term of patent 7 years



The ornamental design for a doll, as shown.

128,797
DESIGN FOR A COMBINATION HANDLE STICK AND CONFECTION
Edward B. Herman, Minneapolis, Minn.
Application April 12, 1941, Serial No. 100,347
Term of patent 3½ years



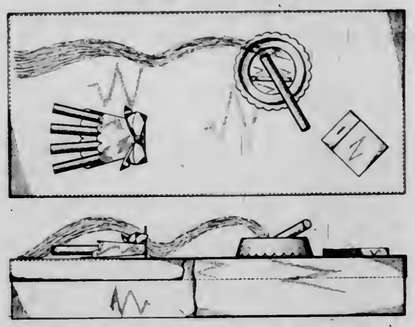
The ornamental design for a combination handle stick and confection, as shown.

128,798
DESIGN FOR AN APPLIQUÉ EMBLEM
Emanuel H. Hirsch, Weehawken, N. J.
Application June 11, 1941, Serial No. 101,392
Term of patent 3½ years



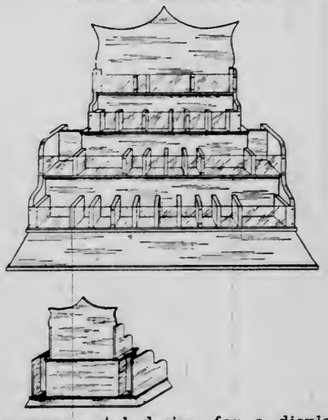
The ornamental design for an appliqué emblem, substantially as shown and described.

128,799
DESIGN FOR A GIFT PACKAGE
Mary H Lull, New York, N. Y.
Application January 30, 1941, Serial No. 98,530
Term of patent 3½ years



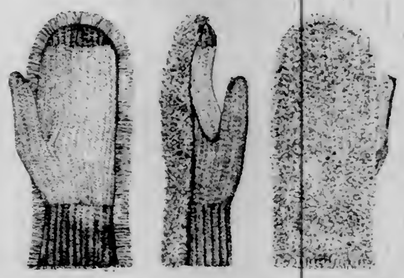
The ornamental design for a gift package, as shown and described.

128,800
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application November 2, 1940, Serial No. 96,267
Term of patent 3½ years



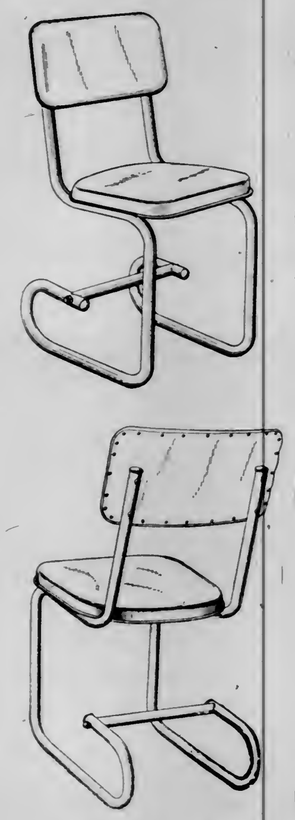
The ornamental design for a display stand, as shown.

128,801
DESIGN FOR A MITTEN
Newton J. Rice, Fairhaven, N. J., assignor to Wimelbacher & Rice, New York, N. Y.
Application March 1, 1941, Serial No. 99,283
Term of patent 14 years



The ornamental design for a mitten, substantially as shown.

128,802
DESIGN FOR A CHAIR
Robert R. Scheinfield, Philadelphia, Pa.
Application November 22, 1940, Serial No. 96,741
Term of patent 14 years



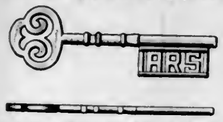
The ornamental design for a chair, as shown.

128,803
DESIGN FOR LEATHER OR SIMILAR ARTICLE
Justin Schiess, Englewood, N. J., assignor to R. Neumann & Company, Hoboken, N. J., a corporation of New Jersey
Application June 17, 1941, Serial No. 101,486
Term of patent 14 years



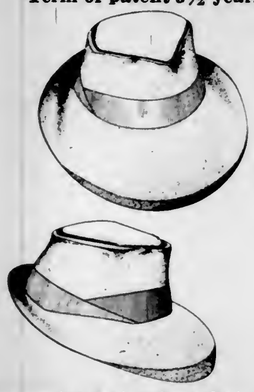
The ornamental design for leather or similar article, as shown and described.

128,804
DESIGN FOR A FRONT FOR A NECKTIE HOLDER OR OTHER SIMILAR ARTICLE OF JEWELRY
Charles Silverman, Providence, R. I.
Application April 30, 1940, Serial No. 92,042
Term of patent 3½ years



The ornamental design for a front for a necktie holder or other similar article of jewelry, substantially as shown and described.

128,805
DESIGN FOR A HAT
Arthur J. Stack, Westport, Conn., and Simone Olivan, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application June 27, 1941, Serial No. 101,729
Term of patent 3½ years



The ornamental design for a hat, as shown.

128,806
DESIGN FOR A HAT
Arthur J. Stack, Westport, Conn., and Simone Olivan, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application June 27, 1941, Serial No. 101,730
Term of patent 3½ years



The ornamental design for a hat, as shown.

128,807
DESIGN FOR A HAT
Arthur J. Stack, Westport, Conn., and Alys C. Moran, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application June 27, 1941, Serial No. 101,733
Term of patent 3½ years



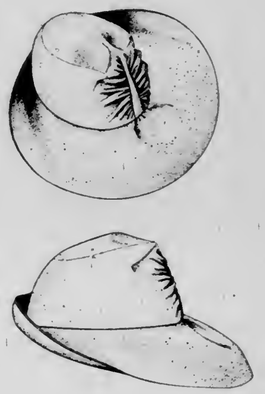
The ornamental design for a hat, as shown.

128,808
DESIGN FOR A HAT
Arthur J. Stack, Westport, Conn., and Alys C. Moran, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application June 27, 1941, Serial No. 101,734
Term of patent 3½ years



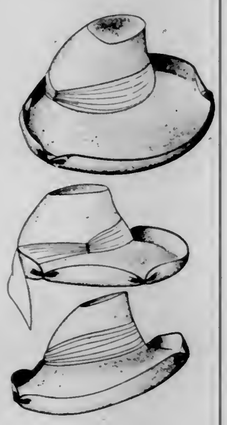
The ornamental design for a hat, as shown.

128,809
DESIGN FOR A HAT
Arthur J. Stack, Westport, Conn., and Alys C. Moran, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application June 27, 1941, Serial No. 101,735
Term of patent 3½ years



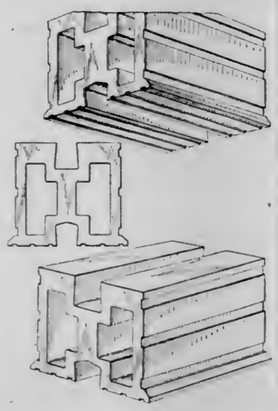
The ornamental design for a hat, as shown.

128,810
DESIGN FOR A HAT
Arthur J. Stack, Westport, Conn., and Alys C. Moran, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application June 27, 1941, Serial No. 101,736
Term of patent 3½ years



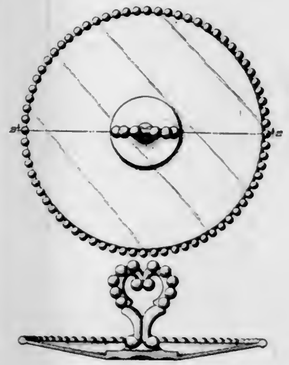
The ornamental design for a hat, as shown.

128,811
DESIGN FOR A BUILDING BLOCK
Ernst Steinhard, London, England, assignor to The Marley Tile Company Limited, Riverhead, Sevenoaks, England
Application May 20, 1940, Serial No. 92,479
In Great Britain January 30, 1940
Term of patent 14 years



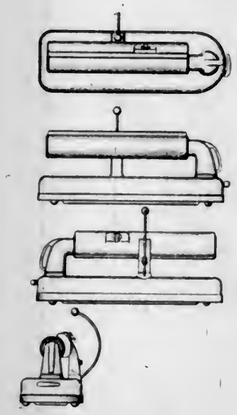
The ornamental design for a building block, as shown.

128,812
DESIGN FOR A PASTRY TRAY OR SIMILAR ARTICLE
Carl J. Uhrmann, Bellaire, Ohio, assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application May 24, 1941, Serial No. 101,127
Term of patent 14 years



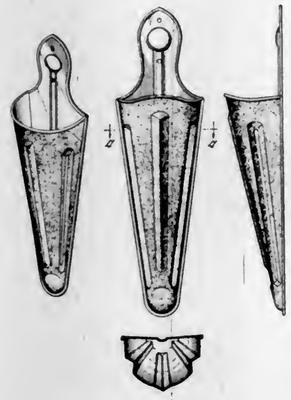
The ornamental design for a pastry tray or similar article, substantially as shown.

128,813
DESIGN FOR AN IRONING MACHINE
Chauncey E. Waltman, Chicago, Ill.
Application June 16, 1941, Serial No. 101,478
Term of patent 14 years



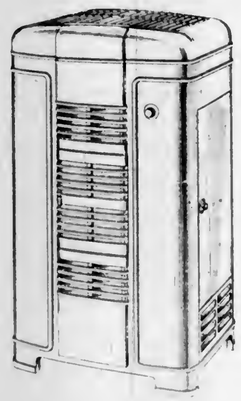
The ornamental design for an ironing machine, substantially as shown.

128,814
DESIGN FOR AN UMBRELLA RACK
Clara N. Wells, Evanston, Ill.
Application May 28, 1941, Serial No. 101,206
Term of patent 7 years



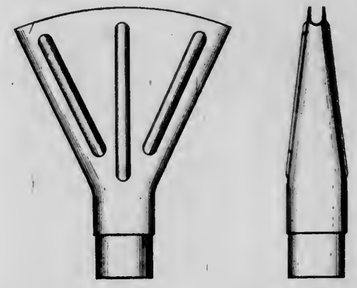
The ornamental design for an umbrella rack, as shown.

128,815
DESIGN FOR A HEATER
Lawrence H. Wilson, Detroit, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application January 23, 1941, Serial No. 98,297
Term of patent 7 years



The ornamental design for a heater, as shown and described.

128,816
DESIGN FOR AN AUTOMOBILE EXHAUST SHROUD OR SIMILAR ARTICLE
George Carl Boettger, Los Angeles, Calif.
Application August 11, 1939, Serial No. 86,614
Term of patent 3½ years



The ornamental design for an automobile exhaust shroud or similar article, as shown.

128,817
DESIGN FOR A RUBBER HEEL
Albert A. Esterson, Baltimore, Md., assignor to Cat's Paw Rubber Company, Inc., Baltimore, Md., a corporation of Maryland
Application February 5, 1941, Serial No. 98,769
Term of patent 14 years



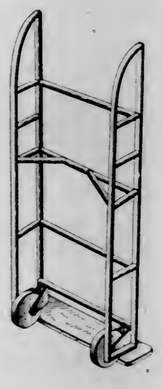
The ornamental design for a rubber heel, substantially as shown.

128,818
DESIGN FOR A PIN OR SIMILAR ARTICLE
Abraham Fingerhut, New York, N. Y.
Application July 10, 1941, Serial No. 102,010
Term of patent 3½ years



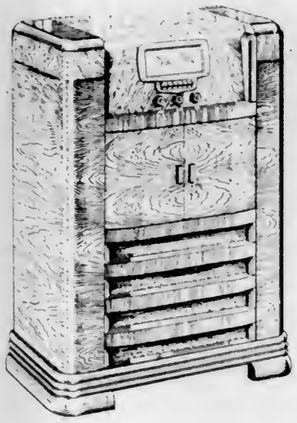
The ornamental design for a pin or similar article, substantially as shown.

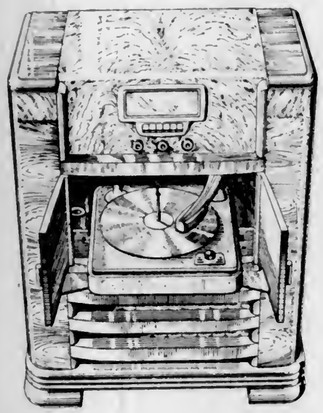
128,819
DESIGN FOR A HAND TRUCK
George Gambs, Fresno, Calif.
Application April 26, 1940, Serial No. 91,980
Term of patent 3½ years



The ornamental design for a hand truck, as shown.

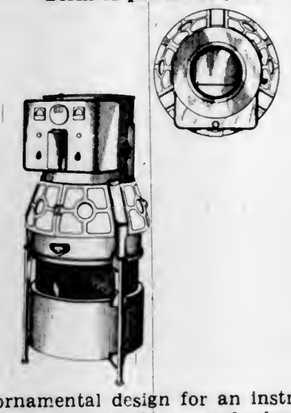
128,820
DESIGN FOR A COMBINED RADIO AND PHONOGRAPH CABINET
John Huarisa, Chicago, Ill., assignor to Advance Engineering Company, Chicago, Ill., a partnership comprising K. D. Turner, John Huarisa, L. C. Parks, and J. H. Clippinger
Application April 26, 1941, Serial No. 100,626
Term of patent 14 years





The ornamental design for a combined radio and phonograph cabinet, as shown and described.

128,821
DESIGN FOR AN INSTRUMENT FOR DETERMINING THE LIGHT-FASTNESS OF COLOR
Clarence W. Jameson, Lombard, Ill., assignor to Atlas-Ometer Co., Chicago, Ill., a corporation of Illinois
Application May 31, 1941, Serial No. 101,249
Term of patent 14 years



The ornamental design for an instrument for determining the light-fastness of color, as shown.

128,822
DESIGN FOR A PIN CLIP
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York
Application July 9, 1941, Serial No. 101,975
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

128,823
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York
Application July 9, 1941, Serial No. 101,976
Term of patent 3½ years



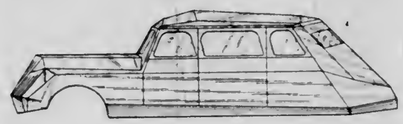
The ornamental design for a brooch or similar article, substantially as shown.

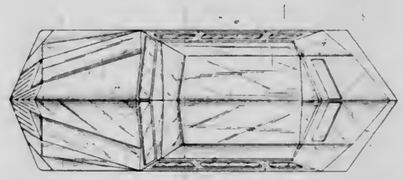
128,824
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York
Application July 9, 1941, Serial No. 101,977
Term of patent 3½ years

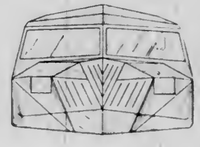


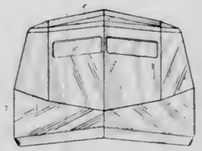
The ornamental design for a brooch or similar article, substantially as shown.

128,825
DESIGN FOR A VEHICLE BODY
Ellen Willett Magill, Chicago, Ill.
Application December 7, 1940, Serial No. 97,147
Term of patent 7 years



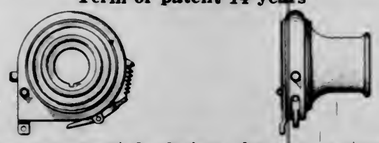






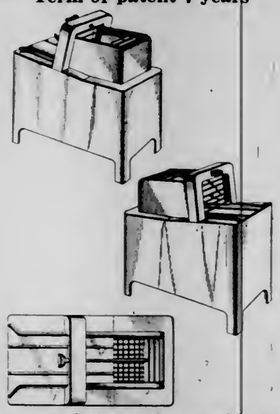
The ornamental design for a vehicle body, as shown.

128,826
DESIGN FOR AN AUTOMATIC CATHEAD
Frank M. Owen, Houston, Tex., assignor to American Iron & Machine Works Company, Oklahoma City, Okla.
Application January 27, 1939, Serial No. 82,766
Term of patent 14 years



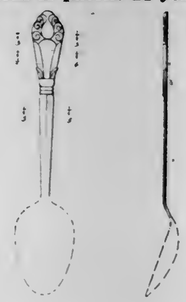
The ornamental design for an automatic cathead, as shown.

128,827
DESIGN FOR A CABINET FOR AN ICE CUBING MACHINE
William Carl Pfeil, Chicago, Ill.
Application December 7, 1939, Serial No. 88,745
Term of patent 7 years



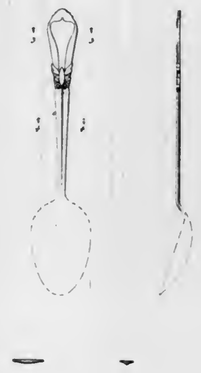
The ornamental design for a cabinet for an ice cubing machine, substantially as shown and described.

128,828
DESIGN FOR A SPOON OR SIMILAR ARTICLE
John S. Russell, New York, N. Y., assignor, by mesne assignments, to National Silver Company, New York, N. Y., a corporation of New York
Application May 31, 1941, Serial No. 101,245
Term of patent 14 years



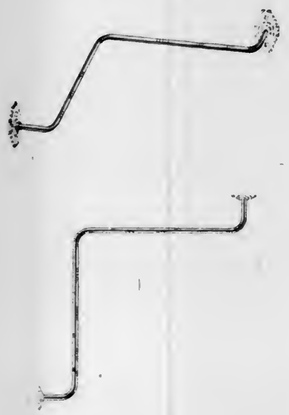
The ornamental design for a spoon or similar article, as shown.

128,829
DESIGN FOR A SPOON OR SIMILAR ARTICLE
John S. Russell, New York, N. Y., assignor, by mesne assignments, to National Silver Company, New York, N. Y., a corporation of New York
Application June 10, 1941, Serial No. 101,378
Term of patent 14 years



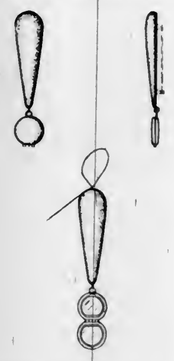
The ornamental design for a spoon or similar article, as shown.

128,830
DESIGN FOR A TOWEL BAR
Roy S. Sanford, Oakville, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application February 3, 1941, Serial No. 98,669
Term of patent 14 years



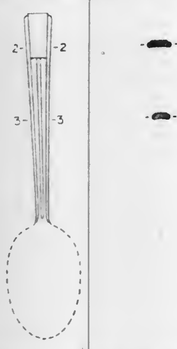
The ornamental design for a towel bar, substantially as shown and described.

128,831
DESIGN FOR A COMBINED BROOCH AND LOCKET
Victor Silson, New York, N. Y.
Application July 9, 1941, Serial No. 101,988
Term of patent 3½ years



The ornamental design for a combined brooch and locket, substantially as shown.

128,832
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Frederick W. Stark, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application June 18, 1941, Serial No. 101,524
Term of patent 14 years



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

128,833
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Theodore C. Steinman, New York, N. Y.
Application July 8, 1941, Serial No. 101,956
Term of patent 3½ years



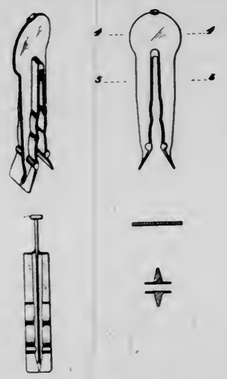
The ornamental design for a brooch or similar article, substantially as shown.

128,834
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Theodore C. Steinman, New York, N. Y.
Application July 8, 1941, Serial No. 101,957
Term of patent 3½ years



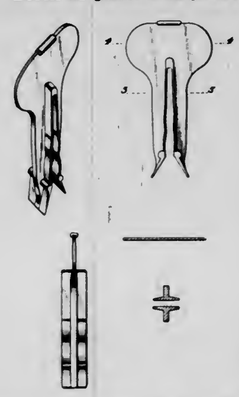
The ornamental design for a brooch or similar article, substantially as shown.

128,835
DESIGN FOR A CLOTHESPIN
William W. Van der Clute, Elizabeth, N. J.
Application March 10, 1941, Serial No. 99,448
Term of patent 14 years



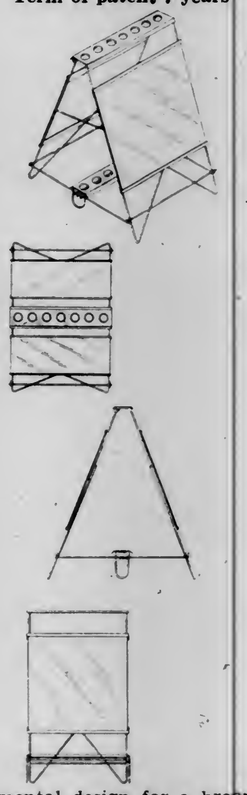
The ornamental design for a clothespin, as shown.

128,836
DESIGN FOR A CLOTHESPIN
William W. Van der Clute, Elizabeth, N. J.
Application March 10, 1941, Serial No. 99,449
Term of patent 14 years



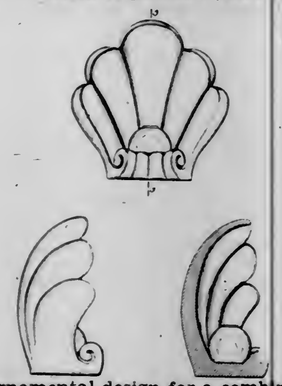
The ornamental design for a clothespin, as shown.

128,837
DESIGN FOR A BROOM RACK
William F. Vernon, Newton, Iowa
Application November 25, 1940, Serial No. 96,785
Term of patent 7 years



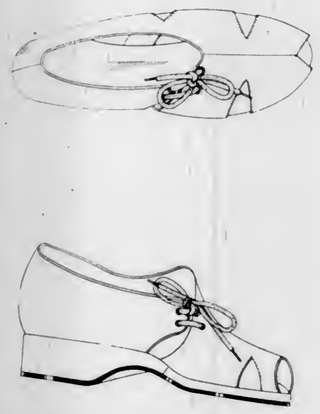
The ornamental design for a broom rack, as shown.

128,838
DESIGN FOR A COMBINATION SUPPORTING BRACKET AND FLOWER HOLDER
Lewis P. Weil, Cynwyd, Pa.
Application September 28, 1940, Serial No. 95,480
Term of patent 7 years



The ornamental design for a combination supporting bracket and flower holder, as shown.

128,839
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application May 26, 1941, Serial No. 101,142
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

128,840
DESIGN FOR A DRESS ENSEMBLE
Jo Copeland, New York, N. Y.
Application July 10, 1941, Serial No. 102,002
Term of patent 3½ years



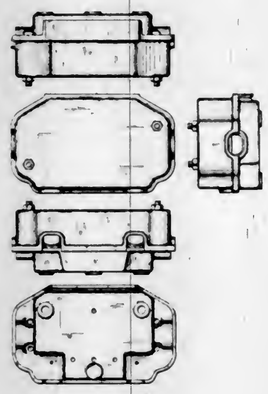
The ornamental design for a dress ensemble, substantially as shown.

128,841
DESIGN FOR A DRESS
Jo Copeland, New York, N. Y.
Application July 10, 1941, Serial No. 102,003
Term of patent 3½ years



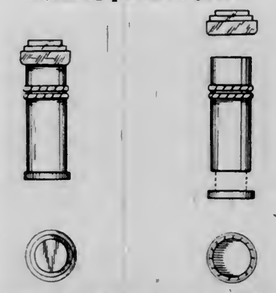
The ornamental design for a dress, substantially as shown.

128,842
DESIGN FOR A SERVICE CABLE CONNECTION BOX
Emil T. Hagist, Glenside, Pa.
Application April 30, 1941, Serial No. 100,706
Term of patent 7 years



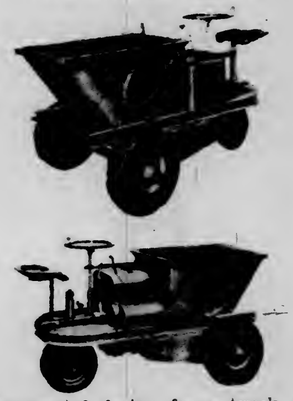
The ornamental design for a service cable connection box, as shown.

128,843
DESIGN FOR A COMBINED LIPSTICK HOLDER AND EYE SHADOW CASE
Florence N. Lewis, New York, N. Y.
Application July 8, 1941, Serial No. 101,953
Term of patent 7 years



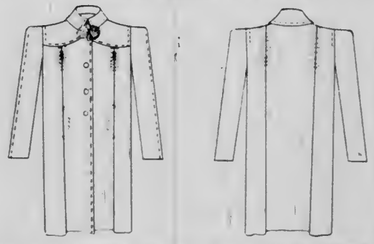
The ornamental design for a combined lipstick holder and eye shadow case, substantially as shown.

128,844
DESIGN FOR A TRUCK
Clarence G. Schulze, Los Angeles, Calif.
Application May 7, 1940, Serial No. 92,197
Term of patent 14 years



The ornamental design for a truck, substantially as shown.

128,845
DESIGN FOR A COAT
Jules Epstein, New York, N. Y.
Application July 10, 1941, Serial No. 102,008
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,846
DESIGN FOR A TEXTILE FABRIC
Louis Kalman, New York, N. Y.
Application July 11, 1941, Serial No. 102,021
Term of patent 3½ years



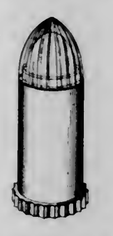
The ornamental design for a textile fabric, substantially as shown.

128,847
DESIGN FOR A LIPSTICK CONTAINER
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 21, 1941, Serial No. 101,066
Term of patent 14 years



The ornamental design for a lipstick container, as shown.

128,848
DESIGN FOR A LIPSTICK CONTAINER
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 21, 1941, Serial No. 101,068
Term of patent 14 years



The ornamental design for a lipstick container, as shown.

128,849
DESIGN FOR A LIPSTICK CONTAINER
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 21, 1941, Serial No. 101,069
Term of patent 14 years



The ornamental design for a lipstick container, as shown.

128,850
DESIGN FOR A LIPSTICK CONTAINER
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 21, 1941, Serial No. 101,072
Term of patent 14 years



The ornamental design for a lipstick container, as shown.

128,851
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application July 24, 1941, Serial No. 102,445
Term of patent 3½ years



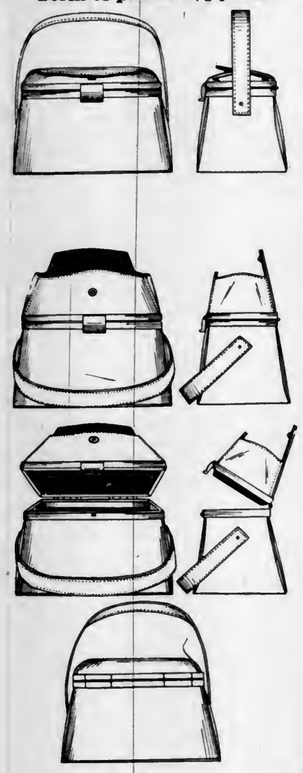
The ornamental design for a dress, substantially as shown.

128,852
DESIGN FOR A COAT
Mario Frascino, New York, N. Y.
Application July 19, 1941, Serial No. 102,282
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

128,853
DESIGN FOR A HANDBAG
Henry Green, Far Rockaway, N. Y.
Application May 3, 1941, Serial No. 100,755
Term of patent 3½ years



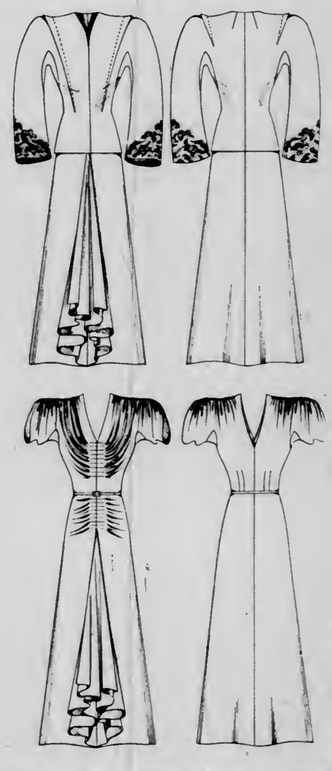
The ornamental design for a handbag, substantially as shown.

128,854
DESIGN FOR A NEGLIGEE
Raymond Halpern, New York, N. Y.
Application July 24, 1941, Serial No. 102,412
Term of patent 3½ years



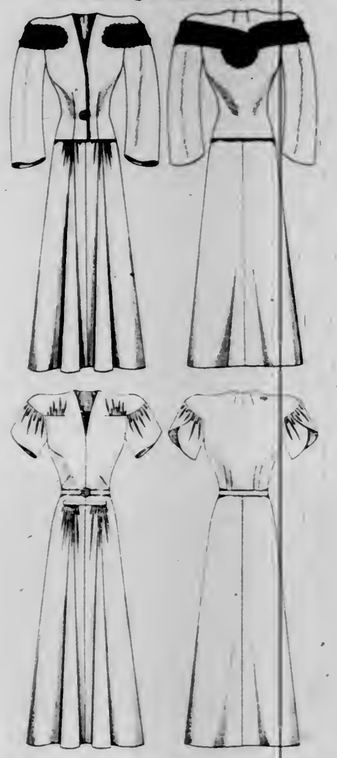
The ornamental design for a negligee, substantially as shown.

128,855
DESIGN FOR A DRESS ENSEMBLE
Stella Brownie Kaufman, New York, N. Y.
Application July 22, 1941, Serial No. 102,336
Term of patent 3½ years



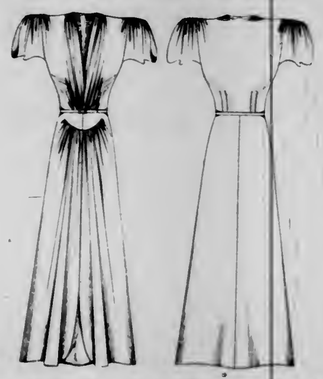
The ornamental design for a dress ensemble, substantially as shown.

128,856
DESIGN FOR A DRESS ENSEMBLE
Stella Brownie Kaufman, New York, N. Y.
Application July 23, 1941, Serial No. 102,402
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,857
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application July 23, 1941, Serial No. 102,403
Term of patent 3½ years



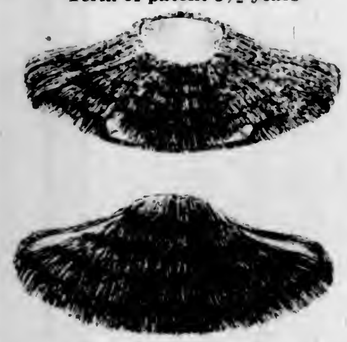
The ornamental design for a dress, substantially as shown.

128,858
DESIGN FOR A FUR COLLAR
Molly Levy, New York, N. Y.
Application June 17, 1941, Serial No. 101,485
Term of patent 3½ years



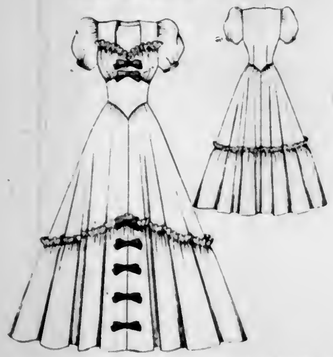
The ornamental design for a fur collar, as shown.

128,859
DESIGN FOR A FUR COLLAR
Harry Raiffe, New York, N. Y.
Application June 19, 1941, Serial No. 101,542
Term of patent 3½ years



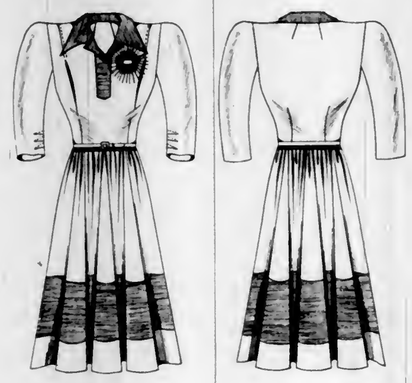
The ornamental design for a fur collar, as shown.

128,860
DESIGN FOR A DRESS
Nat Shapiro, New York, N. Y.
Application July 19, 1941, Serial No. 102,263
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,861
DESIGN FOR A DRESS
Norman E. Debus, New York, N. Y.
Application July 19, 1941, Serial No. 102,224
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,862
DESIGN FOR A DRESS
Anna Duke, New York, N. Y.
Application July 22, 1941, Serial No. 102,345
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,863
DESIGN FOR A DRESS
Louise Barnes Gallagher, New York, N. Y.
Application July 19, 1941, Serial No. 102,227
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,864
DESIGN FOR A SUIT
Louise Barnes Gallagher, New York, N. Y.
Application July 19, 1941, Serial No. 102,228
Term of patent 3½ years



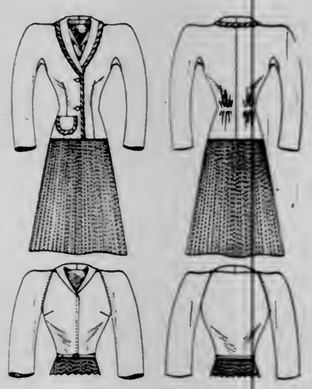
The ornamental design for a suit, substantially as shown.

128,865
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,235
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,866
DESIGN FOR A DRESS ENSEMBLE
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,239
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,867
DESIGN FOR A DRESS ENSEMBLE
Stella Brownie Kaufman, New York, N. Y.
Application July 23, 1941, Serial No. 102,401
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,868
DESIGN FOR A DRESS
Betty Kessler, New York, N. Y.
Application July 19, 1941, Serial No. 102,279
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

128,869
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application July 19, 1941, Serial No. 102,278
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,870
DESIGN FOR A DRESS
George Birnbaum, Westport, Conn.
Application July 19, 1941, Serial No. 102,220
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,871
DESIGN FOR A DRESS
William Clion, Brooklyn, N. Y.
Application July 19, 1941, Serial No. 102,221
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,872
DESIGN FOR A DRESS
Norman E. Debus, New York, N. Y.
Application July 19, 1941, Serial No. 102,222
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,873
DESIGN FOR A DRESS
Norman E. Debus, New York, N. Y.
Application July 19, 1941, Serial No. 102,223
Term of patent 3½ years



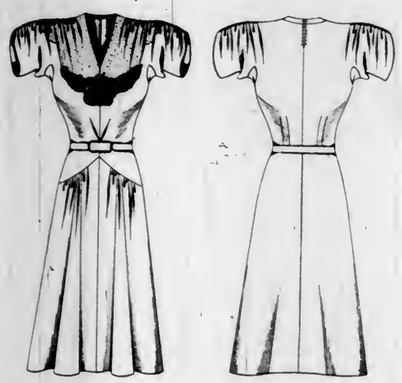
The ornamental design for a dress, substantially as shown.

128,874
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,234
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,875
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application July 19, 1941, Serial No. 102,247
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,876
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application July 19, 1941, Serial No. 102,275
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,877
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application July 19, 1941, Serial No. 102,276
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,878
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application July 19, 1941, Serial No. 102,277
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,879
DESIGN FOR A COAT
Harry Raiffe, New York, N. Y.
Application June 17, 1941, Serial No. 101,484
Term of patent 3½ years



The ornamental design for a coat, as shown.

128,880
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application July 24, 1941, Serial No. 102,443
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,881
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application July 24, 1941, Serial No. 102,444
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,882
DESIGN FOR A DRESS
Dora Davis, New York, N. Y.
Application July 19, 1941, Serial No. 102,262
Term of patent 3½ years



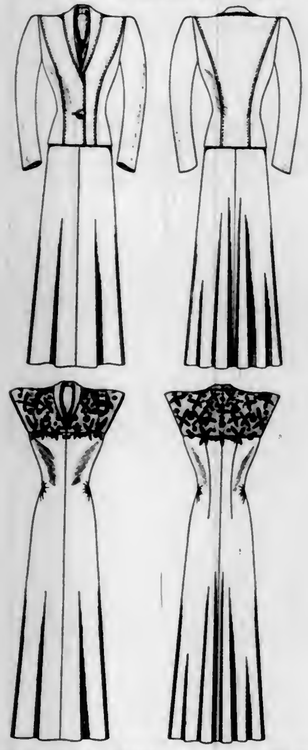
The ornamental design for a dress, substantially as shown.

128,883
DESIGN FOR A COAT
Louise Barnes Gallagher, New York, N. Y.
Application July 19, 1941, Serial No. 102,229
Term of patent 3½ years



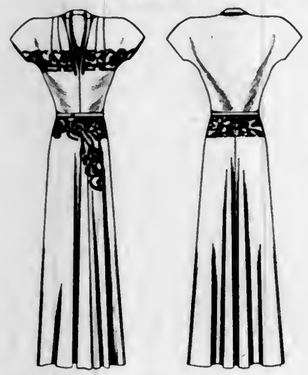
The ornamental design for a coat, substantially as shown.

128,884
DESIGN FOR A DRESS ENSEMBLE
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,231
Term of patent 3½ years



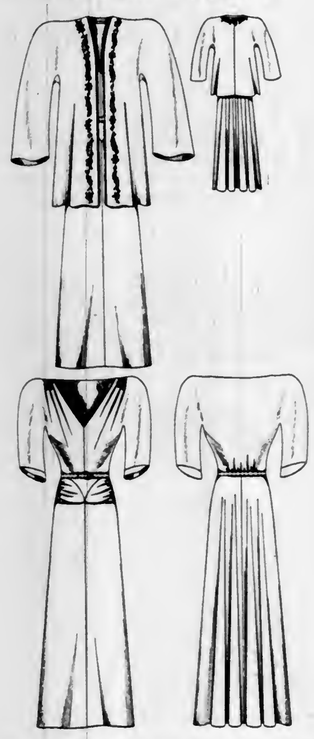
The ornamental design for a dress ensemble substantially as shown.

128,885
DESIGN FOR A DRESS
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,238
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,886
DESIGN FOR A DRESS ENSEMBLE
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,241
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,887
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application July 23, 1941, Serial No. 102,400
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,888
DESIGN FOR A DRESS
Frieda B. Saioff, New York, N. Y.
Application July 19, 1941, Serial No. 102,254
Term of patent 3½ years



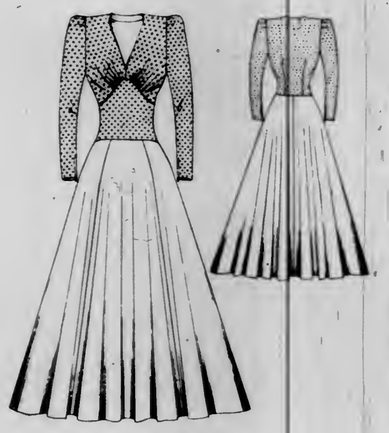
The ornamental design for a dress, substantially as shown.

128,889
DESIGN FOR A DRESS
Frieda B. Saioff, New York, N. Y.
Application July 19, 1941, Serial No. 102,255
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,890
DESIGN FOR A DRESS
Frieda B. Saioff, New York, N. Y.
Application July 19, 1941, Serial No. 102,256
Term of patent 3½ years



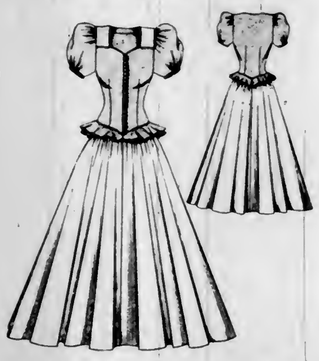
The ornamental design for a dress, substantially as shown.

128,891
DESIGN FOR A DRESS ENSEMBLE
Frieda B. Saioff, New York, N. Y.
Application July 19, 1941, Serial No. 102,257
Term of patent 3½ years



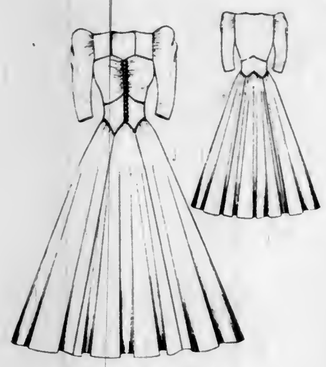
The ornamental design for a dress ensemble, substantially as shown.

128,892
DESIGN FOR A DRESS
Nat Shapiro, New York, N. Y.
Application July 24, 1941, Serial No. 102,426
Term of patent 3½ years



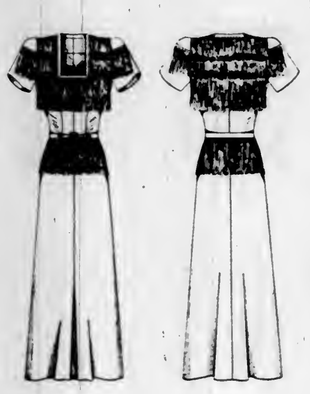
The ornamental design for a dress, substantially as shown.

128,893
DESIGN FOR A DRESS
Nat Shapiro, New York, N. Y.
Application July 24, 1941, Serial No. 102,427
Term of patent 3½ years



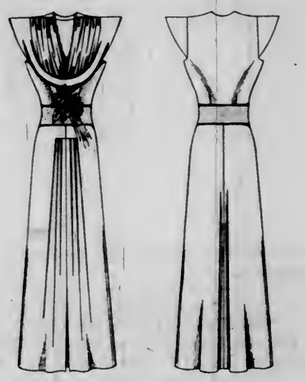
The ornamental design for a dress, substantially as shown.

128,894
DESIGN FOR A DRESS
Samuel Weinstein, New York, N. Y.
Application July 22, 1941, Serial No. 102,347
Term of patent 3½ years



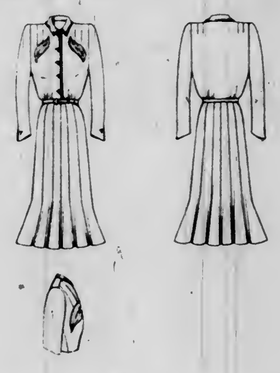
The ornamental design for a dress, substantially as shown.

128,895
DESIGN FOR A DRESS
Samuel Weinstein, New York, N. Y.
Application July 22, 1941, Serial No. 102,348
Term of patent 3½ years



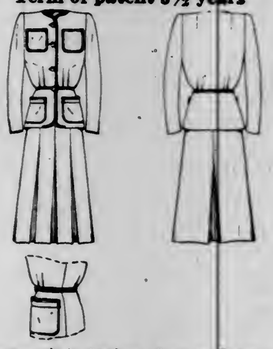
The ornamental design for a dress, substantially as shown.

128,896
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 19, 1941, Serial No. 102,267
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,897
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 19, 1941, Serial No. 102,268
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,898
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 19, 1941, Serial No. 102,269
Term of patent 3½ years



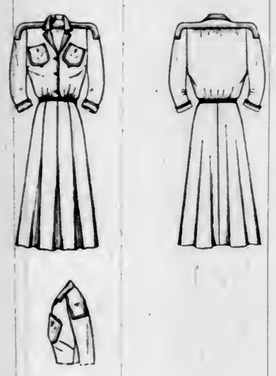
The ornamental design for a dress, substantially as shown.

128,899
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 19, 1941, Serial No. 102,270
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,900
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 19, 1941, Serial No. 102,271
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,901
DESIGN FOR A DRESS
Anna Duke, New York, N. Y.
Application July 22, 1941, Serial No. 102,346
Term of patent 3½ years



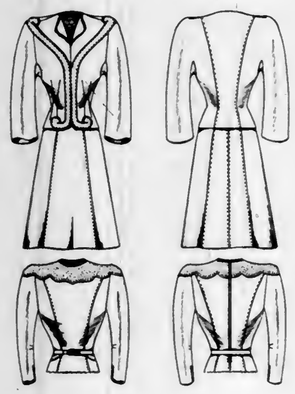
The ornamental design for a dress, substantially as shown.

128,902
DESIGN FOR A DRESS ENSEMBLE
Louise Barnes Gallagher, New York, N. Y.
Application July 19, 1941, Serial No. 102,225
Term of patent 3½ years



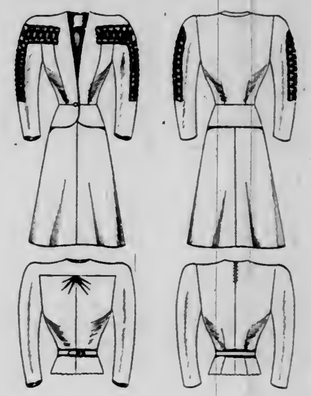
The ornamental design for a dress ensemble, substantially as shown.

128,903
DESIGN FOR A DRESS ENSEMBLE
Louise Barnes Gallagher, New York, N. Y.
Application July 19, 1941, Serial No. 102,226
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,904
DESIGN FOR A DRESS ENSEMBLE
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,230
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,905
DESIGN FOR A DRESS ENSEMBLE
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,233
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,906
DESIGN FOR A DRESS ENSEMBLE
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,236
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,907
DESIGN FOR A DRESS ENSEMBLE
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,240
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,908
DESIGN FOR A DRESS
Vera Jacobs, New York, N. Y.
Application July 19, 1941, Serial No. 102,242
Term of patent 3½ years



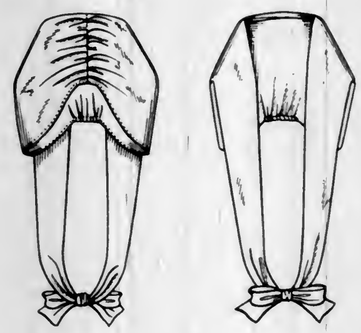
The ornamental design for a dress, substantially as shown.

128,909
DESIGN FOR A DRESS ENSEMBLE
Vera Jacobs, New York, N. Y.
Application July 19, 1941, Serial No. 102,243
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,910
DESIGN FOR A HAT OR SIMILAR ARTICLE
Rose Jacobson, New York, N. Y.
Application July 8, 1941, Serial No. 101,951
Term of patent 3½ years



The ornamental design for a hat or similar article, substantially as shown.

128,911
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application July 22, 1941, Serial No. 102,337
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,912
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application July 22, 1941, Serial No. 102,338
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,913
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application July 22, 1941, Serial No. 102,339
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,914
DESIGN FOR A DRESS ENSEMBLE
Stella Brownie Kaufman, New York, N. Y.
Application July 22, 1941, Serial No. 102,340
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,915
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application July 19, 1941, Serial No. 102,246
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,916
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application July 19, 1941, Serial No. 102,248
Term of patent 3½ years



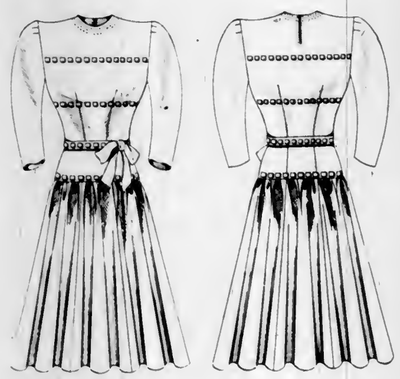
The ornamental design for a dress, substantially as shown.

128,917
DESIGN FOR AN EMBROIDERED LACE TRIMMING OR SIMILAR ARTICLE
Robert Koenig, Hasbrouck Heights, N. J.
Application July 16, 1941, Serial No. 102,185
Term of patent 3½ years



The ornamental design for an embroidered lace trimming or similar article, substantially as shown.

128,918
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application July 19, 1941, Serial No. 102,251
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,919
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application July 22, 1941, Serial No. 102,342
Term of patent 3½ years



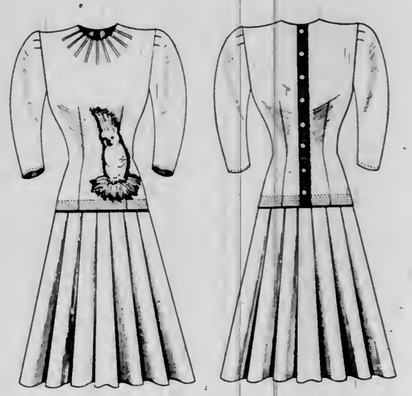
The ornamental design for a dress, substantially as shown.

128,920
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application July 22, 1941, Serial No. 102,343
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,921
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application July 22, 1941, Serial No. 102,344
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,922
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application July 23, 1941, Serial No. 102,404
Term of patent 3½ years



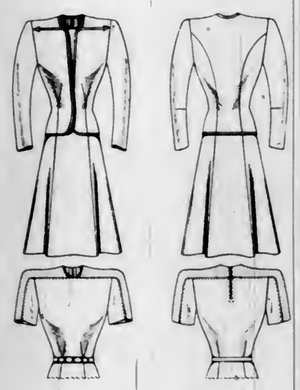
The ornamental design for a dress, substantially as shown.

128,923
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application July 23, 1941, Serial No. 102,406
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,924
DESIGN FOR A DRESS ENSEMBLE
Margot Kops McClintock, Solesbury, Pa.
Application July 19, 1941, Serial No. 102,249
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

128,925
DESIGN FOR A DRESS
Margot Kops McClintock, Solesbury, Pa.
Application July 19, 1941, Serial No. 102,250
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,926
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application July 19, 1941, Serial No. 102,252
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

128,927
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application July 19, 1941, Serial No. 102,253
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,252,681 to 2,253,489

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 529—No. 3 TUESDAY, AUGUST 19, 1941 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF AUGUST 19, 1941	509
NOTICE OF CANCELLATION	509
ORDER No. 3562	509
ADJUDICATED PATENTS	509
APPLICATIONS UNDER EXAMINATION	510
DECISIONS OF THE U. S. COURTS—	
In re Zalkind	511
In re Derleth	512
Forst Packing Co. Inc. v. C. W. Antrim & Sons	514
In re Smith	516
Keeling v. Held	520
PATENT SUITS	522
ADVERSE DECISIONS IN INTERFERENCE	523
TRADE-MARK REGISTRATIONS CANCELED	523
DISCLAIMERS	523
CHANGES IN CLASSIFICATION	523
TRADE-MARKS PUBLISHED (151 APPLICATIONS)	528
TRADE-MARK REGISTRATIONS GRANTED	544
TRADE-MARK REGISTRATIONS RENEWED	551
REISSUES	555
DESIGNS	754

August 19, 1941

Trade-Marks	177	No. 389,669 to No.	389,845, inclusive.
T. M. Renewals	57		
Reissues	7	No. 21,877 to No.	21,883, inclusive.
Patents	809	No. 2,252,681 to No.	2,253,489, inclusive.
Designs	174	No. 128,928 to No.	129,101, inclusive.
Total	1,224		

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., July 22, 1941.*

Kerr Products Company, Inc., its assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by Margaret C. Burden, 2312 Derby St., Berkeley, Calif., to effect the cancellation of trade-mark registration of Kerr Products Company, Inc., 2801 C St., Sacramento, Calif., No. 249,521, dated November 13, 1928, and the notice of such proceeding sent by registered mail to the said Kerr Products Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Kerr Products Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Order No. 3562

Acting under the provisions of Section 483 of the Revised Statutes (U. S. C., title 35, sec. 6) and with the approval of the Secretary of Commerce, Rules 31, 63, 134, 139, 140, 142, 149 and 151 of the Rules of Practice are amended as follows, to take effect on September 1, 1941.

Rule 31

By inserting in the last paragraph after the word "statute" the following:

or by or under these rules

Rule 63

By cancelling the sentence constituting paragraph (*e*).

Rule 134

By cancelling the present rule.

Rule 139

By cancelling the last paragraph.

Rule 140

By cancelling the words "were decided by the examiners in chief or which".

Rule 142

By striking out the word "will" in the first sentence and inserting in place thereof the word *may*.

Rule 149

By striking out the first paragraph and inserting in place thereof:

When an appeal is taken to the United States Court of Customs and Patent Appeals, the appellant shall give notice thereof to the Commissioner, and file in the Patent Office, within forty days, exclusive of Sundays and legal holidays in the District of Columbia but including Saturday half holidays, from the date of the decision appealed from, his reasons of appeal specifically set forth in writing; *Provided*, however, that if a petition for rehearing or reconsideration is filed within 20 calendar days after said decision, the notice of appeal may be given and the reasons of appeal filed within 15 calender days after action on the petition. No petition for rehearing or reconsideration filed more than 20 calendar days after such decision, nor any proceedings on such petition, shall operate to extend the period of 40 days hereinabove provided for appeal.

Rule 151

By striking out the word "thirty" in the last sentence and inserting in place thereof the word *twenty*, and by adding at the end thereof the following: (*See rule 149*).

CONWAY P. COE,
Commissioner.

Adjudicated Patents

(D. C. Md.) Ericson patent, No. 1,940,406, for paper drinking cup, *Held* invalid, but, if valid, *Held* infringed. *Connecticut Paper Products* v. *New York Paper Co.*, 39 F. Supp. 127.

(D. C. N. Y.) Fleisher patent, No. 2,123,847, for inlaid knitted fabric, claims 1, 2, 3, and 4 *Held* invalid. *Arcadia Knitting Mills* v. *Princeton Knitting Mills*, 39 F. Supp. 153.

(D. C. Md.) Emerson patent, No. 2,206,838, for dispensing, *Held* valid and infringed. *Connecticut Paper Products* v. *New York Paper Co.*, 39 F. Supp. 127.

(D. C. Md.) Emerson design patent, No. 118,578, for design for a paper cup dispenser, *Held* invalid, but, if valid, *Held* infringed. *Id.*

Condition of Applications Under Examination at Close of Business August 2, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,530; Trade-Mark Division, 1,296. Oldest new case, Nov. 4, 1940; oldest amended, Oct. 31, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 13	Jan. 22	747
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Mar. 19	Feb. 17	586
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	May 21	May 27	500
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Apr. 22	Apr. 16	623
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Mar. 24	Mar. 27	415
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Jan. 8	Jan. 22	1152
5725	7. JARBOE, C. G., Optics; Photography	Feb. 7	Feb. 5	974
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Feb. 3	Jan. 30	836
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 5	Mar. 5	606
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 1	Mar. 17	525
5087 B	11. BENHAM E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 25	Apr. 4	412
7701	12. SPINTMAN, SAMUEL (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Mar. 4	Mar. 6	593
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 22	Jan. 24	518
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Apr. 8	Apr. 2	546
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 7	Feb. 14	1104
5716	16. SPENCER, C. J., Telegraphy; Telephony	Mar. 24	Mar. 12	527
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 3	Mar. 26	647
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 21	Feb. 24	431
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 14	Mar. 20	749
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 27	Mar. 4	449
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	May 8	Apr. 9	306
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Nov. 6	†Nov. 6	1577
7624	23. BUTTNER, W. J., Registers (part)	†Nov. 13	†Nov. 19	267
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 19	Feb. 20	917
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 7	Apr. 11	523
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Apr. 3	Mar. 25	435
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Mar. 21	Mar. 6	506
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Feb. 5	Feb. 21	379
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Jan. 24	Feb. 8	704
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Apr. 3	Apr. 4	504
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Feb. 20	Feb. 20	1386
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Mar. 3	Mar. 3	939
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Mar. 5	Mar. 6	1098
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Jan. 9	Jan. 11	528
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Feb. 4	Jan. 27	1036
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Feb. 17	Feb. 19	527
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Mar. 25	Apr. 2	568
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Nov. 4	†Oct. 31	1338
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 5	Apr. 10	511
7890	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 18	Jan. 8	1803
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Mar. 4	Mar. 7	479
5882	42. CUTTING, H. O., Electric Signaling	Apr. 11	Apr. 16	349
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Feb. 12	Feb. 13	658
4087 B	44. HARVEY, L. P., Refrigeration	Jan. 28	Jan. 21	639
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 9	Apr. 8	334
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Feb. 27	Mar. 7	787
6082	47. KANOF, W. J., Clutches; Brakes	Mar. 17	Mar. 11	367
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Apr. 10	Apr. 10	549
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 5	Feb. 7	751
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber, Coating Processes	Feb. 8	Feb. 8	1200
5628	51. BACKUS, C. D., Radiant Energy (part)	May 7	May 9	480
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits	Feb. 11	Apr. 12	662
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 25	Jan. 25	791
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Mar. 19	Mar. 21	377
6383	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Mar. 21	Mar. 12	361
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Jan. 2	Jan. 6	1219
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	†Dec. 24	Apr. 18	149
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 3	Mar. 1	511
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Feb. 6	Feb. 14	1029
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Mar. 20	May 3	394
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 17	Apr. 21	334
5621	62. PUGH, E. C., Games; Geometrical Instruments	Apr. 29	Apr. 2	560
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Mar. 28	Jan. 24	1120
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	May 3	May 1	600
5812	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 10	May 9	374
2099 B	Trade-Marks: F. A. RICHMOND	June 26	July 2	1296
2605	Designs: H. H. KALUPY	June 10	July 3	732

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE ZALKIND

No. 4,409. Decided March 31, 1941
[118 F.(2d) 356]

1. PATENTABILITY—NOT TO BE MEASURED BY ALLOWED CLAIMS,

"The principle has been often stated by this and other courts that generally rejected claims may not properly be measured by allowed claims in order to determine the patentability of the former, but must be considered in the light of their own limitations or lack of limitations."

2. SAME—LAMINATED SHEETS.

Certain claims to laminated sheets for forming collapsible containers *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Samuel Ostrolenk (*Mr. Sidney G. Faber* of counsel) for Zalkind.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Examiner of claims numbered, respectively 1, 2, 4, 5, 12, 13, 14, 15, 16, 18, 19, and 21, in an application for patent entitled "For Laminated Sheets."

The Examiner rejected all the claims of the application, except one which was numbered 10. The Board reversed the Examiner as to the rejection of five others numbered, respectively, 3, 7, 22, 23, and 24. So, six claims stand allowed.

It is suggested in the brief for appellant that claim 1 is the broadest of the appealed claims and, evidently treating it as illustrative of the subject matter, the principal discussion is devoted to that claim which reads:

1. An article of manufacture for forming collapsible containers comprising sheet metal of the order of 30 gauge and a blank of paper composition material secured thereto, said blank having a crease score line formed without loss of paper from said paper composition blank for determining the bend line of said article of manufacture.

We observe that claim 2 embraces substantially the same limitation as claim 1, and that each of these claims defines "a crease score line formed without loss of paper." No other of the appealed claims embraces this limitation, but it appears in certain of the allowed claims.

Claims 4, 5, 16, and 18 contain a requirement for the interposition of a layer of fire-resisting material between the non-metallic layer and the layer of sheet metal.

Claim 12 is limited to the use of corrugated board as the paper lamination and provides for a full 180 degree bend of the sheet on the bend line.

Claims 13, 14, and 15 provide that the score line is formed by creasing the composite sheet.

Claim 19 is limited to a collapsible container formed of the sheet material named in claim 12.

Claim 21 provides that the score in the layer of non-metallic material be applied to its surface contiguous to the metallic layer.

Three patents were embraced as references in the decision of the board, to wit: Thiébaut (British), 12,888, August 4, 1904; Balfe, 1,776,140, September 16, 1930; Snyder, 1,944,282, January 23, 1934.

Of these the Snyder patent was the basic reference, many of the appealed claims being rejected by the Examiner and the Board on it alone, and others upon it in view of Thiébaut. Of claims 4, 5, and 18, which have a requirement for the interposition of fire-resisting material between the metallic sheet and the non-metallic layer, the Board said: "These claims do not appear to be directed to any matter not disclosed in Snyder and Thiébaut." The Thiébaut patent is described in the decision of the Board as disclosing "a composite sheet consisting of corrugated paper in which asbestos paper may be used."

The Balfe patent was applied by the Examiner along with Snyder in his rejection of claim 7. The Board reversed the Examiner as to that claim and we do not find any statement of its applicability to any of the appealed claims. So that patent requires no consideration here.

Appellant's effort in this case (his brief states that the present application is one of more than sixty applications filed by him within the past eight years in the collapsible container and related art of which many have been allowed) seems to have been directed to the production of a collapsible container suitable for use in packaging articles of various kinds, its structure being such that it may be manually manipulated by the person desiring to adapt it to such use, without the use of any machine in the packaging process. The Examiner said:

This application is concerned with composite products made up of a lamination of metal and a lamination of non-metallic material, such as paper board or the like. More particularly, the non-metallic sheet bears a predetermined score line so that the composite product can be folded about said score line to form containers and the like. It is alleged that gauges of metal of 30 or thicker can be used in making up the composite material, relying on the score line in the non-metallic sheet only to produce a fold in the laminated product. The non-metallic sheets used include fibre board, chip board, asbestos board, corrugated boards, plywood, veneer and wallboard. Various metals, including steel, copper, zinc, aluminum and the like, may be used in making up the metallic sheet in the composite product. The sheets are united by adhesive or by mechanical means, such as punching prongs from the metal sheet which project through the non-metal sheet.

Much of appellant's argument before us is based upon the allowance by the Board of claim 3 which the Examiner rejected on Snyder. This claim, like allowed claim 7, contains a provision for the interposition of the paper material between two layers of sheet metal, whereas claims 1 and 2, as well as the other appealed claims, seem to be limited to one layer of sheet metal. It is noted that the Board stated that the Snyder patent discloses that "Metal may be used on both faces," but nevertheless it said, in allowing claims 3 and 7:

Claims 3 and 7 call for a structure consisting of paper having sheet metal on both faces with a score line in the paper material. This feature does not appear to be suggested by the references.

Appellant argues, in substance, that since the Board found patentable matter in claim 3, the other claims, particularly claims 1 and 2, also should be held patentable.

(1) The principle has been often stated by this and other courts that generally rejected claims may not properly be measured by allowed claims in order to determine the patentability of the former, but must be considered in the light of their own limitations or lack of limitations. This rule is so well known and well fixed that no citation of authority is necessary to support it. That there are exceptional cases has been held but appellant here has disclosed no state of facts which would bring this case within the excepted class. His argument based upon the allowance of claim 3, therefore, has not been given weight in our consideration of this case.

We have, however, considered the various limitations of the several appealed claims upon their own merits and in the light of the art upon which they were rejected.

In the Snyder patent, which discloses a method of making box-like structures from materials quite similar to the materials of appellant, the fold lines are formed by cutting out paper material so that he provides a tongue and groove lapped joint between two laminated sheets of paper material. The metal sheets are placed over the paper sheets and the container put in form by being bent at the joint so made, apparently by a machine operation. So, Snyder does not show an article in which the fold or crease lines are formed in the paper layer "without loss of paper."

(2) However, as was said in substance by the Board, it is well known that by drawing a blunt instrument under pressure across a sheet of cardboard a line will be produced, without any material being cut away, upon which the cardboard may be readily folded, and we are unable to agree with appellant's contention that the structure described in the appealed claims is patentable. The limitations defined in the several claims have received our careful study in the light of appellant's arguments. It is quite clear that the prior art shows the interposition of fire-resisting material, required in some of the claims on appeal, and also shows the use of corrugated papers when desired.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DERLETH

No. 4,423. Decided March 31, 1941

[118 F.(2d) 566]

1. APPEAL—RECORD.

Upon the appeal by D of certain claims to the Court of Customs and Patent Appeals, the statement by the Board of Appeals in its decision that the claims so appealed were wnen present in an earlier application of D held subject to the outcome of an interference involving that application and a patent to A accepted as a fact in view of the failure of D to insert said earlier application and the office actions thereon in the record.

2. INTERFERENCE—ESTOPPEL IN PAIS.

Where in setting up an interference between an applicant D and a patentee A, the Primary Examiner held certain claims of D's application that were already under rejection therein and that were broader than the counts of the interference subject to the outcome thereof, and upon the record it must be assumed that the applicant did not object to this ruling, and where the interference resulted in a judgment in favor of patentee A affirmed by the Board of Appeals, and it was not until nearly six months after applicant D received the adverse decision in the interference that he filed a second and continuing application wherein he presented the same broad claims, *Held* that applicant D is estopped in pais.

APPEAL from Patent Office. Affirmed.

Mr. Lawrence C. Kingsland and *Mr. Estill E. Ezell* (*Mr. Edmund C. Rogers and Messrs. Kingsland, Rogers* and *Ezell* of counsel) for Derleth.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, upon various grounds hereinafter discussed, claims 1, 2, 4, 5, 7, 8, and 10 to 13, inclusive, of appellant's application for a patent.

Claims 1, 2, and 10 are typical of the rejected claims and read as follows:

1. A plastic mass containing hydrating cement and fly ash.

2. A concrete comprising hydrating cement, aggregate, fly ash and water.

10. As a blended cement, a dry mixture of Portland cement and fly ash.

The references cited are: Fels, 1,419,665, June 13, 1922; Stodder, 1,785,053, December 16, 1930; Askenasy, 1,886,933, November 8, 1932; Peffer et al., 1,942,769, January 9, 1934; Starke (British), 23,541, 1912; Interference No. 66,393.

As indicated by the claims above quoted, the alleged invention involves broadly a plastic mass containing cement and fly ash. The specification states that the fly ash is obtained from the combustion of powdered coal. Some of the claims include an aggregate, while others do not.

The patent to Askenasy, which was in interference with an earlier application of appellant, relates to a method of producing concrete capable of resisting sea water and other equivalent solutions, which consists of adding to cement coal dust ash obtained from the combustion of pulverulent coal.

In view of the conclusion we have reached upon one branch of the case, hereinafter stated, it is unnecessary to refer to the other references cited by the Board of Appeals.

Appellant's application states that it is a division of his copending application Serial No. 584,580, filed January 2, 1932. With respect to appellant's earlier application the Examiner stated:

This application is a division of applicant's prior copending application, Serial No. 584,580, filed January 2, 1932. This specification, as amended, is a substantial duplicate of that of applicant's above mentioned copending application. Applicant's prior application is now involved in an interference (No. 66,393) with Patent No. 1,886,933 issued November 8, 1932, to one Askenasy. Claims 1 to 4, inclusive, of the said patent constitute the counts thereof. Both the Examiner of Interferences and the Board of Appeals held that applicant was not the first inventor of the subject matter. Applicant thereafter, on October 27, 1936, filed in the District Court of the United States for the District of Columbia Equity Suit No. 62,796 against patentee Askenasy as defendant. This suit is apparently now pending. *It is believed that applicant is not entitled to the appealed claims in this application regardless of whether or not applicant is successful in winning priority in the above mentioned interference.* [Italics ours.]

The counts in said Interference No. 66,393 are contained in the record before us. Counts 2 and 4 of the interference are illustrative of the subject matter there involved and read as follows:

2. A method of producing concrete capable of resisting sea-water and other equivalent solutions, consisting in adding to cement produced in the usual manner the coal-dust-ash obtained from the combustion of pulverulent coal.

4. A concrete capable of resisting sea-water and other equivalent solutions, consisting of cement of the usual kind and normal filling materials with the addition of coal-dust-ash derived from the combustion of pulverulent coal.

It will be observed that the only substantial difference between the counts involved in said interference and the claims before us is the limitation in the former of the concrete being resistant to sea water and other equivalent solutions.

The Examiner, according to his statement, rejected the claims before us upon the ground that appellant was estopped from making the claims in the application before us because not brought forward in said interference proceeding, and held that the claims are not patentable over the counts of said interference. He did not reject the claims on prior art.

In rejecting the claims upon the ground of estoppel the Examiner relied upon the case of *In re Henderson*, 50 App. D. C. 191, 284 O. G. 182.

The Board of Appeals in its decision affirming the decision of the Examiner stated:

The claims on appeal concern broadly a plastic mass containing high grade cement and fly ash. Certain claims introduce an aggregate. Other claims are specific to a Portland cement and pulverized cement clinker.

The present application is a continuation-in-part of a prior application, No. 584,580, which application was in interference with Patent No. 1,886,933 to Askenasy. This interference was decided by this Board in favor of Askenasy, but the interference is still pending before the District of Columbia on appeal.

We note during the interference, claims of the type now on appeal were held subject to rejection as unpatentable over the issues in the event of an award of priority adverse to applicant. We note, also, that these same claims stood rejected on the British patent to Starke, No. 23,541, of 1912. While there may be some doubt as to this later holding, yet there is no indication in the record of application No. 584,580 of the allowance of these claims. Appellant copied claims of the Askenasy patent and requested an interference which interrupted the prosecution of the earlier application on the merits.

In the present application which, as stated, is a continuation of the Derleth application in the interference, the claims presented on appeal were present in the Derleth earlier application during the interference, but were evidently under rejection and when the interference was set up, it was stated that these claims stood subject to the outcome of the interference.

The Examiner rejected the claims, after the interference, upon the ground of non-patentability to appellant. It is now urged that these claims are broader than the issue of the interference and there was evidence taken during the progress of the interference which would tend to show that Derleth was a prior inventor of such broad claims. It is also urged in accordance with the doctrine set forth in *Ex parte Des Rosiers*, 17 U. S. P. Q. 272; *Ex parte Johnson*, 20 U. S. P. Q. 284; *Walker* v. *Coe*, 24 U. S. P. Q. 51; *Ex parte Rogers*, 26 U. S. P. Q. 100, that appellant is not estopped to present claims broader than those in the Askenasy patent when such rejected claims were present in the application during the progress of the interference with the patent.

The circumstances here presented are different, however, from those considered in the decisions above listed. The claims here presented stood rejected during the interference, both on art and on the ground that they did not patentably distinguish from the issue of the interference. The patentee, therefore, was not called upon to copy claims of the breadth of those on appeal, held unpatentable. We are satisfied that the claims are unpatentable, especially in view of the British patent to Starke noted in the record in the earlier application in connection with claims of this character.

[1] We have quoted thus at length from the decision of the Board because appellant's first application is not in the record, nor does the record contain any office action upon the claims of his first application. This is, of course, the fault of appellant. We are therefore compelled to rely upon the statements contained in the decision of the Board, as above quoted from, and in the recitals of the Examiner, as to the nature of the first application, the claims made therein, and the office action with respect thereto. *In re French*, 24 C. C. P. A. (Patents) 1158, 89 F.(2d) 662, 485 O. G. 11; *Ericson* v. *Shaff*, 26 C. C. P. A. (Patents) 1350, 104 F.(2d) 626, 508 O. G. 829.

Therefore we must accept as a fact that, as stated by the Board of Appeals, when the interference was set up it was stated "that these claims stood subject to the outcome of the interference," and had been held subject to rejection as unpatentable over the issues of the interference in the event of an award of priority adverse to appellant.

We understand by this language that, while there were certain grounds of rejection of the claims by the Primary Examiner, the rejection was not final, but the claims would be held subject to the outcome of the interference; that is to say, if appellant Derleth won the interference the claims would be further considered, but if Askenasy won the interference there would be no occasion to consider them in appellant's application.

[2] Under these circumstances we think there was no duty upon the part of Askenasy to apply for a reissue of his patent and copy claims similar to those before us.

Appellant relies upon the cases of *Ex parte Des Rosiers*, 17 U. S. P. Q. 272; *Ex parte Johnson*, 20 U. S. P. Q. 284; *Ex parte Rogers*, 26 U. S. P. Q. 100; *Ex parte Rowland*, 46 U. S. P. Q. 316 (all being decisions of the Board of Appeals of the United States Patent Office), and upon the case of *Walker* v. *Coe*, 24 U. S. P. Q. 51, a decision of the Supreme Court of the District of Columbia.

In none of these cases, however, does it appear that there was a holding during the interference proceedings, as in the case at bar, that the claims dominating the counts of the interference would be held subject to the outcome of the interference.

It seems to us that here is a clear case of estoppel in pais against appellant. Upon the record before us we must assume that he did not object to the holding that claims such as are here involved would be held subject to the outcome of the interference. The patentee Askenasy therefore had a right to rely upon this disposition of the matter and was not called upon, in order to protect his rights, to copy the rejected claims of appellant's application. The patentee may well have been satisfied with the claims in his patent, for he was assured that if he won the interference appellant

could not secure broader claims dominating the claims of his patent.

That appellant had the same idea, that the claims here involved might be subject to the outcome of the interference, is indicated by the excerpt from the statement of the Examiner as follows:

> Applicant further contends that the decision in interference No. 66–933 is not final and applicant may be awarded priority over Askenasy by the court. However, it is thought that even if that does occur, applicant is not entitled to these broad claims in a separate application than that containing the claims copied from the Askenasy patent. It is not seen that there is any difference between the two groups of claims except that of breadth, and breadth of claims is not in itself a patentable distinction, and applicant has not shown wherein it is a patentable distinction here.

It is stated in appellant's brief that the suit in equity growing out of said interference, begun by appellant under sec. 4915 R. S., was dismissed by the Supreme Court of the District of Columbia on February 16, 1939, and no appeal was taken from such dismissal. Therefore, the decision of the Board of Appeals in said interference, rendered on April 30, 1936, became final. It was not until October 26, 1936, that appellant's application now before us was filed, or nearly six months after he had received an adverse decision by the Board of Appeals in the interference.

Of course, the patentee Askenasy presumably had no knowledge of appellant's instant application until after the time in which he might apply for a reissue of his patent and copy the claims of appellant's instant application had expired. It was only after he had lost the interference before the Board of Appeals that appellant filed the application before us. Presumably, had he won that interference, the instant application would never have been filed.

Thus it seems to us that, upon the record before us, appellant is equitably estopped from claiming the broad invention embraced in the claims at bar. See *In re Henderson*, supra.

In passing, we would observe that it is not plain to us, from the record before us, upon what theory appellant was entitled to file the application before us. It would seem, under rule 106 of the Rules of the Patent Office, and the uniform holdings of the Patent Office tribunals that the claims here involved do not patentably distinguish from the issue of the interference, that appellant was not entitled to file his instant application. The record shows that the Examiner stated that, even though appellant might ultimately win the interference, he was not entitled to the claims here involved in a "separate application than that containing the claims copied from the Askenasy patent."

The Board of Appeals did not discuss this phase of the matter, and while it seems that the Examiner was correct in his view, we do not find it necessary to base our conclusion as to the disposition of the appeal upon this point.

We are convinced that there is, so far as appears from the record before us, no patentable distinction between the counts in the interference and the claims before us. The counts of the interference are, at best, merely more limited in scope than the claims before us, in that the counts require that the composition claimed must be resistant to sea water. In neither the patent to Askenasy nor in appellant's application are any critical proportions disclosed necessary to make the concrete resistant to sea water.

In appellant's instant application the following statement appears:

> • • • Concrete made with fly ash as a workability admixture may be used advantageously in making concrete subject to sea water, alkali water, or other aggressive water, or where placed in moist or wet situations. • • •

In the decision of the Board of Appeals in the interference proceeding it is stated:

> Appellant urges that the effect of ashes on cement and their tendency to produce a cement which would resist sea water had been known from the time of the Romans. The material referred to as used by the Romans and also in Germany, Holland and Belgium was a cement containing volcanic ash and not a product derived from the combustion of powdered coal. • • •

In awarding priority to the patentee Askenasy the Board held that appellant here had not established a reduction to practice of concrete resistant to sea water in accordance with the counts, and that it had not been established that all cement so produced is inherently resistant to sea water. It did hold that the material used by appellant in making the tests relied upon for reduction to practice was within the terms of the counts. Had not appellant, by not objecting to the holding when the interference was declared that claims such as are here before us would await the outcome of the interference, relieved the patentee from applying for a reissue of his patent and copying such broad claims from appellant's earlier application, the question of priority of invention of the broad claims before us might have been determined, and appellant might have been awarded priority of invention with respect to such claims. But, as hereinbefore stated, we think the doctrine of estoppel in pais is here applicable, and the decision of the Board of Appeals affirming the decision of the Examiner upon this point must be affirmed.

In view of our conclusion upon the question of estoppel, it is unnecessary to consider that part of the decision of the Board of Appeals finding the claims unpatentable over the cited prior art.

For the reasons herein stated, the decision of the Board of Appeals affirming the decision of the Examiner rejecting the claims is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

FORST PACKING CO. INC.

v.

C. W. ANTRIM & SONS

No. 4,462. Decided March 31, 1941

[118 F.(2d) 576]

1. TRADE-MARKS—GOODS OF SAME DESCRIPTIVE PROPERTIES—MEAT PRODUCTS, AND COFFEE, SPICES AND RICE AND KINDRED PRODUCTS.

   Certain of the goods to which the F Co. applies the mark "Mansion Brand," which goods include beef, bacon, bologna, frankfurters, and meat loaves, *Held* to possess the same descriptive properties as the goods to which the firm of A and Sons applies the mark "Old Mansion," said goods including coffee, spices, and rice and kindred products.

2. SAME — CONFUSING SIMILARITY — "MANSION BRAND" AND "OLD MANSION."

   "Mansion Brand" applied to beef, bacon, bologna, frankfurters, and meat loaves *Held* confusingly similar to "Old Mansion," applied to coffee, spices, and rice and kindred products.

APPEAL from Patent Office. Affirmed.

Messrs. Hauff and Warland (*Mr. William E. Warland* of counsel) for Forst Packing Co. Inc.

Messrs. Mason, Fenwick and Lawrence for Antrim & Sons.

LENROOT, *J.*:

This is a trade-mark opposition proceeding under the Trade-Mark Act of February 20, 1905 (as amended), wherein the Commissioner of Patents of the United States Patent Office affirmed a decision of the Examiner of Trade-Mark Interferences which sustained the notice of opposition of appellee to the registration of the mark applied for by appellant, viz., the mark "Mansion Brand," applied to "beef, bacon, bologna, frankfurters, and meat loaves consisting of a mixture of beef and pork."

Appellant brings before us for review this decision of the Commissioner of Patents.

Appellee's notice of opposition alleged prior use of the mark "Old Mansion" applied to "coffee, spices and rice and kindred products"; that the goods of the parties possess the same descriptive properties, and that the mark sought to be registered by appellant is likely to cause confusion in the trade and in the mind of the purchasing public with the mark "Old Mansion" owned and used by appellee. Appellee also pleaded prior registrations of its mark applied to coffee, teas and spices.

Appellant's answer denied that the goods of the parties are of the same descriptive properties, and denied confusing similarity in the marks of the parties, as applied by them.

The issues were submitted upon stipulations of fact wherein it is stated, in the stipulation for appellant, that appellant is engaged at Kingston, N. Y., in processing and selling meats, pork, making meat loaves, sausages, etc.; that it has used the mark "Mansion Brand" upon its goods since January 1, 1937; that its business extends throughout the States of New York, Connecticut, Massachusetts, and the upper section of New Jersey, and that it offers its goods to dealers through personal solicitation of its salesmen and representatives.

The stipulation for appellee states that it has used its trade-mark "Old Mansion" applied to coffee continuously since May 27, 1910, applied to spices since September 13, 1923, and applied to tea and rice since July 7, 1924.

The Examiner of Interferences held that the goods of the parties to which the respective marks are applied possess the same descriptive properties, and that the mark of appellant so nearly resembles that of appellee as to be likely to cause confusion or mistake in the mind of the public.

The Commissioner concurred in the views of the Examiner of Interferences, and upon the question of whether the goods of the parties to which their respective marks are applied possess the same descriptive properties, stated that if the question were one of first impression he would be inclined to hold that the goods of the parties were not of the same descriptive properties, but that he deemed himself controlled by our decision in the case of *Tetley & Co., Inc.*, v. *Bay State Fishing Co.*, 23 C. C. P. A. (Patents) 969, 82 F.(2d) 299, 468 O. G. 278, (in which it was held that fish and tea possess the same descriptive properties), and that in his opinion no distinction could be made in that regard between fish and the meat products of appellant. The Commissioner further held that the disclaimed word "Brand" of appellant's mark is obviously incapable of trade-mark significance, and that the notations "Mansion" and "Old Mansion" are, in legal contemplation, substantially identical.

[1] We have no doubt that at least certain of the goods to which appellant's mark is applied possess the same descriptive properties as do the goods to which appellee's mark is applied.

Specimens of appellant's mark as used are contained in the record; one of them shows that the mark is applied to sliced bacon in a package having a net weight of eight ounces. While there is no evidence that appellant's goods are sold in the same stores and to the same class of people as are appellee's goods, it is stipulated that appellant's goods are sold to dealers, which implies a resale by them to the public, and we think it is a matter of common knowledge that sliced bacon in packages is sold in the country stores throughout the country, and in delicatessen stores in cities, over the same counters and to the same class of people as are appellee's goods.

In the case of *Tetley & Co., Inc.*, v. *Bay State Fishing Co.*, supra, we said:

> Fish, generally, are food products, and are commonly sold in stores and delicatessens where tea is also sold. This is especially true of fish in cans, and it is believed that confusion might reasonably result in the mind of the purchaser where canned tea and fish, especially canned fish, were exhibited for sale side by side.

Also, in *Revere Sugar Refinery* v. *Salvato*, 18 C. C. P. A. (Patents) 1121, 48 F.(2d) 400, 409 O. G. 562, we held that certain meat products, canned vegetables, canned fish, and other grocery products were of the same descriptive properties as sugar, all of the goods mentioned being sold in the same stores.

While appellant cites many early cases of the Court of Appeals of the District of Columbia in support of its contention that the goods here involved are not of the same descriptive properties, we would observe that the interpretation of the term "same descriptive properties" has been greatly enlarged in recent years, not only by this court, but by the United States Court of Appeals for the District of Columbia and practically all of the other Federal courts, and many of the early decisions cited by appellant are no longer followed.

It is true, however, that while the goods of the parties possess the same descriptive properties within the meaning of that phrase as used in the Trade-Mark Act, they are different and the marks

of the parties are not identical. Therefore the question of confusing similarity of the marks must be determined. That the word "Mansion" is the dominant part of both appellant's and appellee's mark cannot be doubted. It is the part of the marks which clearly would register in the minds of purchasers of goods bearing either the mark "Mansion Brand" or the mark "Old Mansion."

[2] The question, then, is, would purchasers familiar with appellee's mark, applied to coffee, tea, spices and rice, upon seeing the mark "Mansion Brand" applied to sliced bacon, for instance, be likely to ascribe origin of such bacon to appellee. We think this question must be answered in the affirmative. As stated by the Commissioner, the disclaimed word "Brand" of appellant's mark is, by itself, obviously incapable of trade-mark significance, and while appellant's mark must be considered as an entirety, it is the dominant portion thereof—"Mansion"—that is really significant of origin; and we think that purchasers familiar with appellee's long-established mark, upon hearing spoken the words "Mansion Brand" applied to packaged meat products, or seeing it upon such products, would be, to say the least, confused as to the origin of the goods to which the mark "Mansion Brand" was applied.

Appellant relies upon our decision in the case of *The Cracker Jack Co.* v. *Blanton Citrus Growers, Inc.*, 23 C. C. P. A. (Patents) 925, 81 F.(2d) 553, 468 O. G. 282, wherein the question was whether citrus fruit and a popcorn confection were goods of the same descriptive properties. We held they were not, and in our opinion stated:

> • • • We think no one purchasing citrus fruits to which appellee's mark is applied would be likely to conclude that they had the same origin as the popcorn confection to which appellant's mark is applied. • • •

In the case at bar we think it very natural for purchasers to conclude, upon seeing appellant's mark "Mansion Brand" applied to packaged bacon or other packaged meat products, that its origin was in appellee, appellee having long used the mark "Old Mansion" upon such varied products as coffee, tea, spices and rice.

For the reasons herein stated, the decision of the Commissioner is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SMITH

No. 4,446. Decided March 31, 1941

[118 F.(2d) 722]

1. PATENTABILITY—NOT TO BE MEASURED BY ALLOWANCE OF OTHER CLAIMS IN ANOTHER APPLICATION. Rule reaffirmed that patentability of a claim may not be based upon the allowance of other claims in another application.

2. SAME—METHOD OF AND APPARATUS FOR COMPLETING AN OIL WELL. Certain claims to apparatus for and a method of completing an oil well *Held* patentable, since without a knowledge derived from applicant's disclosure, and with only the teachings of the prior patents cited, it would not be obvious to one skilled in the art to construct the apparatus or pursue the method claimed.

APPEAL from Patent Office. Reversed.

Messrs. Cushman, Darby & Cushman (*Mr. William M. Cushman* and *Mr. John W. Malley* of counsel) for Smith.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting claims 36 to 43, inclusive, of appellant's application for a patent for lack of patentability over the cited prior art. Claim 1 was allowed. All of the rejected claims are apparatus claims, with the exception of claim 43 which is a method claim.

Claims 36 and 43 are illustrative of the claims in issue, and read as follows:

> 36. In apparatus for completing a well having casing and a flow tubing therein, in formation having high pressure, a casing head, a hanger seat in said head, a drilling master valve mounted on said head above said seat, means on said head with which said valve is removably secured, said means being also adapted to connect with a Christmas tree including a smaller flow control valve supported on said head, said head and seat and drilling master valve having bores at least as large as that of the casing to permit operations prior to completion such as passing a drill substantially as large as the casing bore therethrough, a hanger adapted to be secured to the flow tubing and of diameter adapting it for lowering through said drilling master valve for disposition in said seat to seal the well against flow of fluid from the casing, and means operable while said drilling master valve is mounted on said head for locking said hanger in said seat against upward movement under well pressure, whereby said securing means on said casing head may be disengaged for removal of said drilling master valve, and engaged with the Christmas tree supported on said head including a smaller flow control valve having a smaller pressure subject area for use when the well is flowed through the tubing.
>
> 43. The method of bringing in a well in formation having high pressure, provided with a casing, casing head and drilling master valve positioned on and above the same having bores to permit of drilling therethrough, comprising drilling through the casing head and valve, removing the drill and leaving the valve in place on the casing head, lowering flow tubing equipped with a hanger into the well through said valve, hanging said tubing in the casing head below said valve, simultaneously forming a seal with said hanger between the same and the casing head below said valve by the weight of the flow tubing, making permanent said last named seal against upward movement of the hanger under well pressure which could be great enough to overcome the weight of the tubing by locking said hanger in the casing head while the drilling master valve is still mounted on the casing head, thereafter removing the drilling master valve while the well is still under high formation pressure, and replacing said valve with a smaller flow control valve having a smaller pressure subject area for use when the well is flowed under natural formation pressure through the tubing.

The references cited by the Examiner are: Minor, 1,812,358, June 30, 1931; Rasmussen, 1,859,793, May 24, 1932, Conroy, 1,886,167, November 1, 1932; Grinnell, 1,852,716, April 5, 1932; Grinnell [et al.], 1,910,762, May 23, 1933; Penick [et al.], 1,969,234, August 7, 1934; Penick et al., 2,015,454, October 8, 1935; "Petroleum Engineering Hand Book, Second Edition," Palmer Publications, Inc., Los Angeles, Calif., March 17, 1932; Pearce [et al.], 1,642,745, September 20, 1927; Crowell, 1,646,639, October 25, 1927; Howard, 2,082,107, June 1, 1937 (filed December 16, 1931); The Oil Weekly, January 23, 1931, page 93; Howard, 1,929,781, October 10, 1933.

The last four references are not cited or referred to by the Board of Appeals.

The subject matter of the claimed invention relates to the completion of an oil well, beginning with the positioning of equipment for "drilling in" to the high pressure sands and ending with the flow tubing inserted and the well sealed and equipped to flow.

The application herein has been twice before the tribunals of the Patent Office. The statement of the Examiner, dated November 19, 1936, discloses the final rejection by him of claims 21 and 23 to 30 inclusive for lack of patentability over substantially the same prior art as that cited above. Claim 22, which relates to the tapered tubing hanger (renumbered as claim 1 in this appeal), was allowed. Upon appeal the Board of Appeals, in its decision of March 18, 1937, affirmed the decision of the Examiner as to claims 21, 28, 29, and 30. The appeal as to claims 23 to 27 was dismissed. Appellant then filed suit against the Commissioner of Patents under R. S. 4915 in the United States District Court for the District of Columbia. Prior to the hearing of that suit, the Board of Appeals, on February 8, 1939, reversed, as to certain claims, the decision of the Examiner rejecting all of the claims of a later filed companion application of appellant's assignee upon which Patent No. 2,150,887 issued. Appellant states in his brief here:

> The latter decision held similar but more limited claims to basically the same subject matter now before this court, but with certain improvements, to be patentable in the companion application over substantially the same art which the Board had used in rejecting the present application in their earlier decision of March 18, 1937.

Appellant, regarding the decision of February 8, 1939, as a reversal of the decision of March 18, 1937, dismissed the aforementioned suit, brought the present application back to the Patent Office under the said allowance of one claim and thereafter forfeited and renewed the application, presenting, for the first time in said application, the claims here involved. All these claims were rejected, as aforesaid, and the Board was requested to reconsider its decision, said request being particularly directed to a reconsideration thereof with respect to the method claim, 43. The Board thereafter held that its prior decision was not in error and again affirmed the decision of the Examiner.

While the notice of appeal contains many reasons of appeal, appellant, in his brief, states he believes, and the Solicitor for the Patent Office in his brief concurs, that the appeal can be decided on the basis of the following questions:

> 1. Was it proper, in the decision appealed from, to depart from the carefully considered opinion of the Board of Appeals which granted the companion patent, 2,150,887, which opinion declared appellant's teaching of the solution of the whole problem to be invention, and declared that the references now relied on in the present appeal are not sufficiently pertinent to need discussion, in that they relate only to "details" which admittedly are old?
> 2. Was it proper, in the decision appealed from, to refuse the claims while admitting that the subject matter thereof is both novel and highly useful?
> 3. Was it proper, in the decision appealed from, to declare that several references which admittedly do not teach the solution of the whole problem of well completion, may be modified and brought together to form the whole taught by appellant in the face of respectable evidence in the record that such modification of prior teachings was not obvious to those skilled and actually working in the art?

We think that the three questions presented by appellant embrace everything that is material to his contentions and, therefore, will confine our discussion to their consideration.

[1] We are not impressed with appellant's contentions growing out of the first question presented. Each of the apparatus claims allowed in the application (now Patent 2,150,887) in effect calls for "a tubing engaging blow-out preventer mounted above said drilling master valve," and the single allowed method claim requires a "blow-out preventer." These limitations are not shown in the present claims. While, aside from the stated limitations, the claims herein are quite similar to those allowed in Patent 2,150,887, we think that the rule set out in the case of *In re Fischer*, 24 C. C. P. A. (Patents) 1344, 91 F.(2d) 219, 485 O. G. 761, is applicable here. The court in that case stated:

> The general rule is that patentability of a claim may not be based upon the allowance of other claims in another application.

With respect to question 2, even though it be conceded that the subject matter thereof be novel and useful, we must go further to determine whether the exercise of the inventive faculty was required to construct the involved apparatus and devise the method defined in the rejected claims.

Question 3 involves details to be dealt with in deciding question 2.

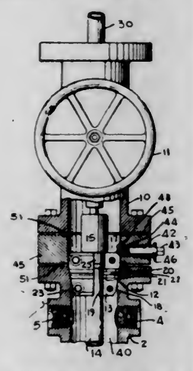
It appears that in the drilling of oil wells, after a hole has been bored from the surface for a certain distance a string of pipe called casing, supporting the hole, is inserted, reaching from the top of the well to the bottom of the hole. Then the hole is bored more deeply and a smaller casing, extending from the top of the well to the new bottom, is installed within the first casing. In reaching the proper depth for the well, several strings of casing may be used in the same manner. As each casing is inserted cement is pumped down through the casing and up around the outside thereof and permitted to harden. Then the plug of cement in the bottom of the particular string of casing is drilled out and the drilling continues, to make a hole for the succeeding string. Necessarily, the diameter of the casing becomes smaller as the well becomes deeper. After all of the casing has been cemented, steps are taken to complete the well, namely, the "drilling in" to the stratum where the pressure of oil and gas may be tremendous, at times being over 4,000 pounds to the square inch, the placing of flow tubing, the sealing of the well and equipping it for flow.

In order to combat the high pressure, the casing is kept filled with mud weighted with barytes until the mud is four times as heavy as water. Fresh drilling mud is pumped down through the drill pipe and circulated out at a surface valve all the time the drill is in the hole. While the weight of the drilling mud by itself is considered sufficient to control the pressure, it is the usual practice to use a drilling master valve while drilling in order that the well may be closed when the drill is removed and the circulation of the mud ceases. When the circulation ceases the mud may separate and gas may cut the mud, resulting in a blow-out if the well is not kept closed.

Because the gas and oil will separate if per-

mitted to flow through the casing, a smaller flow tubing is provided so that the gas, instead of rushing out and leaving the oil behind, will be maintained in proper ratio to the oil as both oil and gas flow through the flow tubing. Means are provided for sealing the space between the tubing and the inner wall of the casing.

Appellant's apparatus and method are directed toward the carrying out of the operations following the installation of the last string of casing, namely, the "drilling in" to the pressure sands, the installation of flow tubing, the sealing of the well, the removal of the drilling master valve and the installation of the Christmas tree valve on the flow tubing. All of these steps are performed while the well is still under high pressure. As an aid to clearer understanding of the said apparatus and method, Fig. 5 of appellant's drawing is herein reproduced.



Referring to the drawing, 2 is the tubing head secured to the upper end of the casing. Integral with the tubing head is an inside supporting seat 12 which is upwardly tapered to a diameter wider than the interior diameter of the casing 40. Secured to and above the tubing head 2 is a drilling master valve 10 actuated by the wheel 11, the bore of the valve being wider than the bore of the casing. At 5 and 4 are openings for the flow lines through which the drilling mud emerges. The seat 12 receives the tubing hanger 13 which supports the flow tubing 14. The specification discloses a plugging tool to plug the tube, but the tool is not claimed in claims herein. A collar 15 is shown on the tubing and it engages hanger 13 to form a rigid support for the tubing 14 which, when placed, may extend to the bottom of the well. The hanger fits tightly around the tubing and into the seat and is locked in place by the screws 42, thus preventing a blow-out by sealing off the space between the casing wall and the flow tubing. When the said sealing has been made the expensive drilling master valve is removed and replaced by a much smaller and much less expensive valve known in the art as a "Christmas tree." The well is then in the flowing stage and the drilling master valve may be used on other wells.

It is to be observed in the structure of appellant that owing to the placing of the drilling master valve above the casing head any equipment necessary for use on the well may be mounted at any time above the drilling master valve when it is closed. Then the equipment may be passed to the full width of the casing downwardly through the valve and casing and when in desired position the valve may be again closed. If a blow-out threatens while the well is being tubed the tubing hanger surrounding the tube may be immediately dropped into place and tightened on the seat, thus preventing blowing out of the material in the casing.

It is not contended by appellant that any part of his apparatus is new. He does contend, however, that he has solved a recognized problem by his equipment and procedure. In his brief he states as follows:

> Appellant contends that the only question involved is whether there is invention in the foundation equipment disclosed which, without modification after "drilling in" to the high pressure sands, is capable of performance through the "unitary operations" of drilling and the allied steps, insertion and sealing of the tubing, and then removing the control equipment in the form of the master drilling valve, after its full protective use has been enjoyed, and replacing the same with the Christmas tree including a more efficient flow control valve of reduced pressure subject area to correspond with the size of the tubing, while the well is still under high fromation pressure.

We do not consider the issue here as involving anything of a highly technical character.

There is no single reference which meets appellant's disclosure, but it may be possible that if various different parts of apparatus disclosed in the prior art were modified and assembled the result might be a device substantially similar to the structure of appellant. The question is whether or not such an assembly would be obvious to one skilled in the art.

The patent to Penick et al., No. 1,969,234, relied upon by the Examiner as the basic reference, provides for a well head assembly wherein the flow tubing is supported by a hanger below a large valve called by the patentee a "gate valve." On the top of the gate valve is mounted a "Christmas tree." These valves appear to be permanent fixtures on the well throughout the entire flowing stage. Appellant's disclosure teaches removal of the costly drilling master valve and mounting of the "Christmas tree" for the flowing stage. The casing head where the tubing hanger fits is restricted to a diameter less than that of the casing, in the aforesaid Penick et al. reference. The casing head and hanger seat as defined by the apparatus claims on appeal have a bore therethrough at least as large as the casing. Therefore, it is clear from these differences that in Penick et al. patent, No. 1,969,234, the patentee did not disclose, teach or suggest the invention here claimed in the apparatus claims.

Penick et al. patent, No. 2,016,454. discloses a well head, the inside diameter of which is substantially equal to the inside diameter of the casing. In the head there is an inside annular channel or groove in which after "drilling in" and before "tubing," there is mounted, by means of a special tool, a removable, expansible ring which fills the groove and projects into the bore of the well head, there

forming the seat upon which the tubing hanger is supported and locked. It is evident that after "drilling in" and before "tubing" it is necessary that the control gate or valve be kept open in order that the expansible ring may be mounted as aforesaid. The pressure in the casing would be released to blow out during said mounting, and without a closing means below the head neither the seat nor the hanger could be placed. In our opinion the Penick et al. patent, No. 2,016,454, has taught the art nothing, either alone or in combination with the former Penick et al. patent, that would make obvious to one skilled in the art appellant's structure or method.

While Patent No. 1,929,781 to Howard shows a tapered tubing hanger seat which is larger in diameter than the diameter of the casing, the hanger seat is integral with the valve. The drill pipe or tubing in this arrangement is hung in the valve body and not below the same. This reference was used by the tribunals below only for the purpose of showing a tubing seat which is larger than the diameter of the well casing.

Howard patent, No. 2,082,107, was not relied upon by the Board, and it is not clear from the Examiner's statement whether or not reliance was placed upon this patent as a reference. In any event, the Examiner did not refer to it by number nor did he distinguish it from the former Howard patent. We have examined this later patent and find in the drawing of one form of the apparatus a seat which is intended to do away with the use of retractable hanger seats projecting into the bore below the master valve. The seat is intended to form a seal between the casing and the tubing to close off the well, and, as shown in this form, is a restriction in the bore similar in effect to that pointed out in the Penick et al. patent, No. 1,969,234.

The Minor patent, No. 1,812,358, was cited merely because it discloses a tubing seat which is larger than the diameter of the well casing. It also shows locking screws for its packing device, operable from without the head to which a "Christmas tree" is intended to be connected. No drilling master valve is disclosed.

We do not deem it necessary to lengthen this opinion unduly by a further discussion of the cited references, because it is admitted that claims 36 to 42, inclusive, define apparatus structurally different from any apparatus shown in the cited prior art.

We have discussed some of the references merely to illustrate the theory upon which the decisions below were made, namely, taking from various structures of the references small details and applying them to the general Penick et al., reference.

It was held below that the combination effected by appellant required nothing more than mechanical skill, in view of the disclosure in the references. It was not held, however, that appellant's apparatus is not new and useful.

It seems to us, as was contended by appellant, that his conception embraced the completing of a well as a whole and that he built an equipment which—

> taught the art the use of foundation equipment to be positioned on the well before "drilling in" to the high pressure sands, of such special arrangement and size of parts that, without modification the drilling and allied operations requiring the full width of the well casing might be rapidly continuously and progressively performed, immediately followed by the insertion, hanging and sealing of the tubing, in such way that the expensive master drilling valve, while the protection of its use was enjoyed during the performance of the above mentioned operations, can be removed for use on other wells and replaced by the smaller, more efficient, and less costly Christmas tree flow control valve, at the time of completion of the well, and while it is still under high formation pressure.

We do not think the references teach or suggest appellant's claimed combination and method. We are fortified in this respect by the contents of affidavits contained in the record. It appears from them that a serious problem existed in the art of completion of oil wells in high pressure formations. The problem was to devise a structure and method whereby the drilling master valve, after it had accomplished its purpose in well completion, could be removed for use on other wells and without change in the said structure. It may be pointed out here that there is no reference of record showing the replacement of a big valve with a little valve. The affidavits show that the necessary use of the drilling master valve was well known in the art and it was extensively used in the control of wells in high pressure formations. When the well reached the flowing stage it was customary in the prior art to pass the flow of gas and oil through a structure comprising the drilling master valve and the "Christmas tree" mounted above it. This is illustrated particularly in the Penick et al. patents. The drilling master valve remained in the structure throughout the flowing stage and by the time the pumping stage was reached it would probably be useless by reason of corrosion. In any event, there was no necessity for its presence in the structure during the flowing stage, as it had then no function.

A drilling master valve of average size is apparently many times as costly as a "Christmas tree." If the drilling master valve could have been safely removed from the well for use on other wells after it had performed its function in completing the well, and the "Christmas tree" substituted therefor without further change in the well structure, a great saving would have been made on the cost of each well. In the large number of wells drilled in high pressure formations by single operators or large companies the savings by reason of the change would have amounted to a large sum of money.

Men of long experience, skilled in the art of oil well drilling, state in their affidavits of record that in the condition of the art prior to the use of appellant's device and method, operators were in many instances compelled to leave the drilling master valve on the well until the pumping stage was reached, or the well had to be "killed" when it was desired to remove the valve. No other method appears to have been known to remove the valve.

It further appears from the affidavits that the

claimed invention was unknown in the oil fields, and when it was first explained to workers skilled in the art they doubted that it could solve the problem of how to remove and replace with the "Christmas tree" the drilling master valve. When, however, the appellant's apparatus and method were tried, the doubt disappeared. Since then the structure and method of appellant have been widely used and they now enjoy great commercial success.

It seems to us that it is reasonable to assume that the prior art must have been well known to the experienced large scale oil well operators, the gist of whose affidavits we have hereinbefore set out. With this knowledge which they must have had it certainly appears to have been quite beyond the realm of the obvious for them to design a structure and method such as appellant here claims.

With respect to the method claim 43, we are not in agreement with the holding below that the step of removing the drilling master valve while the well is still under high formation pressure and replacing said valve with a smaller control valve having a smaller pressure subject area for use when the well is flowed under natural formation pressure through the tubing is so obvious that no invention would be involved in doing so. Our reason for not agreeing with this holding has been hereinbefore fully explained, we think, and does not require further discussion.

It seems to us that if obviousness can be said to be derived from the references, on the record here it must necessarily spring from knowledge derived from appellant's structure, and we think the following statement made by the court in the case of *In re Deakins*, 25 C. C. P. A. (Patents) 1153, 96 F.(2d) 845, 496 O. G. 568, is applicable:

> We have carefully examined the references for a suggestion of appellant's combination and the new and useful results obtained thereby, but have found none. Of course, if the references are examined in the light of appellant's disclosure, the solution of the problem confronting appellant seems simple. A problem solved is no longer a problem, and one is prone to overlook the fact that it ever existed.

[2] Because of our opinion that without a knowledge derived from appellant's disclosure, and having only the teachings of the cited references, it would not be obvious to one skilled in the art to construct the apparatus or pursue the method of the appellant, we must hold that the decision of the Board of Appeals with respect to all of the claims herein should be, and the same is hereby reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

KEELING *v.* HEID

No. 4,405. Decided March 31, 1941

[118 F.(2d) 571]

1. INTERFERENCE—RIGHT TO MAKE CLAIMS—INHERENCY OF DISCLOSURE—BURDEN.
   Where party K did not contend that his earliest application specifically disclosed the process recited in a claim copied by him from the patent of his opponent H, but merely contended that the apparatus diagrammatically shown in that application would inherently operate to perform the recited process, *Held* that K had the burden of proving the alleged inherency.
2. SAME—SAME.
   One who extracts claims from an issued patent must show a clear prior disclosure.
3. SAME—SAME—INHERENCY OF DISCLOSURE.
   That the invention recited in the claim of a patent is inherent in an application may not be established by probabilities or possibilities.
4. SAME—PRIORITY.
   Record reviewed and *Held* that the junior party K had not sustained his burden of proving that the process recited in the count in issue inherently is disclosed in his earlier application and that priority properly was awarded to the senior party H.

APPEAL from Patent Office. Affirmed.

Mr. Russell N. Low (*Mr. Henry Love Clarke* and *Mr. Thomas J. P. O'Brien* of counsel) for Keeling.

Mr. Charles M. Thomas and *Mr. M. M. Weisman* for Heid.

JACKSON, *J.:*

This is an appeal, in an interference proceeding, from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner of Interferences awarding priority of invention of the subject matter of the single count in issue to appellee.

The interference involves a patent, No. 1,981,144, issued to appellee on November 20, 1934, upon an application, Serial No. 439,584, filed March 28, 1930, and an application of appellant, Serial No. 597,692, filed March 9, 1932. Appellant therefore is the junior party and must establish priority of invention by a preponderance of the evidence in order to prevail.

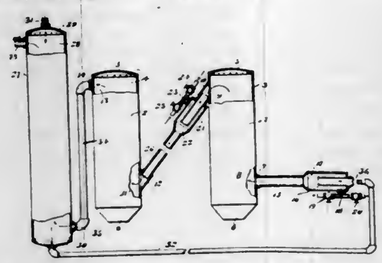
The count is a claim in the patent of appellee and was copied into the application of appellant for the purpose of this interference. The involved invention is made sufficiently clear in the count which reads:

> 1. A hydrocarbon oil cracking process which comprises initially distilling the oil and separating resultant vapors from unvaporized oil, thereafter indirectly heating the separated vapors by a substantial degree of radiation and convection and then combining the same with a gaseous heating medium at cracking temperature, and condensing the cracked vapors.

Appellee moved to dissolve the interference on the ground that the disclosure in the application of appellant does not support the count and appellant moved to shift the burden of proof. Both motions were denied by the Primary Examiner.

In his motion to shift the burden of proof, appellant claimed the benefit of the filing date, September 30, 1927, of his application, Serial No. 223,054, under the doctrine of successive continuations through his application, Serial No. 585,939, filed January 11, 1932, and the involved application, for the alleged reason that the count herein is for common subject matter continued in the disclosures of all three successively copending applications and not disclaimed in any of them.

The decision of the Primary Examiner on appellant's said motion and the decisions of the Examiner of Interferences and the Board of Appeals will be more readily understood by reference to the drawing of the apparatus in application, Serial No. 223,054, reproduced below.



The Primary Examiner, holding that the application Serial No. 223,054 does not support the count, stated in his decision as follows:

> The party Keeling urges that the application 223,054 discloses in the tube 36 inside of the outer burner jacket 16, a zone in which indirect heating of the separated vapors will occur by "a substantial degree of radiation and convection." Granted that Keeling does disclose on page 3, line 24 of application 223,054 passing vapors to the zone 36 within the inner tube of the heater 16, the count is not considered to read on the disclosure of the application 223,054 as the tube surrounding the zone 36 is not considered to clearly and unequivocally comprise a means for "indirectly heating the separated vapors by a substantial degree of—convection." In view of the high temperatures involved in a burner of the type disclosed a substantial degree of radiated heat is considered to be indirectly transmitted through the tube wall even considering the short length of the tube but there is no disclosure concerning convected heat and the Examiner cannot see that the transmission of heat to any other than an insignificant degree by convection is inherent in the disclosure of application 223,054.

He held further that the application, Serial No. 585,939, cannot be considered a continuation of Serial No. 223,054 for the reason that it was filed after the expiration of the period during which a second renewal of the said former application could have been filed, citing *Barrett* v. *Hart*, 1918 C. D. 62, 256 O. G. 224.

Neither party took testimony. Appellant introduced in evidence his said former applications and relied upon them for the same reasons advanced in his motion to shift the burden of proof.

The Examiner of Interferences held that the first application does not contain a disclosure of the subject matter of the count and also that, even assuming it does, the rule established in the case of *Barrett* v. *Hart*, supra, is applicable and, accordingly awarded priority of invention to the appellee. The Board of Appeals agreed with the holdings of the Examiner of Interferences and affirmed his decision.

The issue here is whether appellant's application, Serial No. 223,054, supports the count and, if it does, whether the ex parte proceedings relative thereto are such as to deprive appellant of the benefit of its filing date.

The count sets out the following successive steps: (1) initially distilling the oil; (2) separating resultant vapors from unvaporized oil; (3) indirectly heating the vapors by a substantial degree of radiation and convection; (4) combining the vapors with hot gases; and (5) condensing the cracked vapors.

[1] Appellant does not contend that his earliest application specifically discloses the process of the count. He relies solely upon the contention that the apparatus diagrammatically shown in the application inherently operates to perform the process of the invention. Appellant, therefore, has the burden of proving the alleged inherency.

The Examiner of Interferences pointed out that appellant attempted to meet the lack of clear and positive disclosure in his earliest application

> "by a series of inferences and assumptions based on the extremely meager description of the heating means shown at 16 and 21,"

and that, as to appellant's contention that heaters 16 and 21 contemplated "surface combustion,"

> "it is significant • • • that he did not use this term in describing the operation of said elements."

In holding that the method of the count would not be inherent in the disclosure claimed by appellant, the Examiner of Interferences further stated:

> • • • Indeed if any probative force whatever may be ascribed to the diagrammatic showing of Keeling's 1927 application, it must be held that the inner tubes (not marked) through which the hydrocarbon vapors pass to the mixing chamber of heating elements 16 and 21 are so short that there can be no heating of vapors "by a substantial degree of radiation and convection." If there were any indirect heating in such structure it was at most incidental, accidental and unappreciated. Only to meet the exigencies of the situation created by the issuance of Heid's patent did Keeling, for the first time, ascribe such importance to something disclosed as a merely incidental feature of the process theretofore claimed in his several applications.

While the Examiner of Interferences held that the lack of disclosure of the subject matter of the count in appellant's earliest application was determinative of the award of priority, he also considered the question of appellant's right to secure benefit from the filing thereof and decided that the doctrine set out in *Barrett* v. *Hart*, supra, was applicable.

The Board of Appeals considered both the question of fact and the legal question involved and agreed with the reasoning of the Examiner of Interferences with respect to disclosure, stating as follows:

> Taking up now the question as to whether the party Keeling's application 223,054 discloses the subject matter of the count, that application does not show that the vapors are obtained by distillation and separation. We think it is possible that an oil of the proper nature might have been vaporized without distillation and separation and therefore this step is not necessarily inherent in the party Keeling's earlier disclosure.
>
> As to whether or not the vapors are indirectly heated by a substantial degree of radiation and convection, it is our opinion that, in the absence of any definite statement in the earlier application that the structure and control were of such a nature that this type of heating would occur, it does not necessarily follow that it would. • • • It is our opinion that the process set forth is not necessarily inherent in the operation of the apparatus of Keeling application 223,054.

[2] [3] From a careful review of the record it appears to us that the process steps of "initially distilling the oil," "separating resultant vapors from unvaporized oil," and "indirectly heating the vapors by a substantial degree of radiation and convection," do not necessarily occur in the operation of the device of appellant's earliest application, and therefore have not been shown to be inherent. We certainly cannot agree with counsel's contention as to inherency from a mere examination of the drawing. Appellant never built the apparatus shown in his earliest application and nowhere does

In *class 173, Electricity, Connectors* (Division 65), abolish the following subclasses:

Connectors

262 Rail bonds
280 Socket connected
282 Rivet and wedge,
281 Riveted,
283 Wedge,
Surface connected
277 Bolt or clamp,
278 Soldered,
279 Spring pressed.

The patents formerly contained in these subclasses have been placed for the most part in class 29, Metal Working, subclass 169.2; class 238, Railways, Surface Track, subclass 14.1 and indented subclasses; and class 287, Rod Joints or Couplings, subclasses 20.1, 20.2, and 20.3, all established in this order.

In *class 238, Railways, Surface Track* (Division 34), establish the following subclasses and definitions:

Electrical connections

14.1 From rail to non-contiguous rail or other object,
14.2 Special rail,
14.3 Combined rail-joint or support
14.4 Interposed conductor
14.5 Rail web contacting,
14.6 With intermediate bond-wire support,
14.7 Dowel pin or inserted key type,
14.8 Protected bond,
14.9 Plural or laminated bond
14.10 On both sides of rails,
14.11 Rail bond forms,
14.12 Rail-head attached,
14.13 Rail-base or flange attached
14.14 Molded joint.
14.15

14.1. Joints, couplings, rail-bonds, connector devices and other means for electrically connecting a railway rail or other surface track element to another rail or to some other stationary device or object.

(1) Note.—A "rail-bond" as used herein is any connecting link, wire, cable, rod, bar, or the like, of conducting material, either rigid or flexible, having terminal portions designed for attachment to adjacent rail sections for the purpose of electrically connecting such sections.

(2) Note.—For electrical connection features associated or designed for use with portable track, see this class, subclass 10 and indented subclasses.

(3) Note.—Mere mechanical joints designed to join two railway rails together in aligning relation for maintenance of the continuity of the track are in this class, subclass 151 and indented subclasses, even though such joints, when made of metal, inherently serve to electrically connect the rails. However, when such mechanical joints are provided with additional claimed features designed primarily to improve the conducting path between the rails, they will be placed in this class, subclass 14.4 or indented subclasses, and cross-referenced to the appropriate subclass for the mechanical joint.

(4) Note.—For electrical connectors in general, see class 173, ELECTRICITY, CONNECTORS.

(5) Note.—For electrical connection devices specially designed for transmitting electricity from a rail or other element to a vehicle or other moving object, see class 191, ELECTRICITY, TRANSMISSION TO VEHICLES.

(6) Note.—Mere joints or couplings between wires, rods, bars, and the like, or between such elements and a base, plate, or head, are in class 287, ROD JOINTS OR COUPLINGS. However, where one of the elements of such joints or couplings is a railway rail or other surface track element, the following line will determine the placing of patents as between classes 238 and 287. Where the rail or other surface track element is claimed broadly, as by name only, with no further limitation distinguishing the same from plates, bars, etc., in general, classification is in class 287, subclass 20 and indented subclasses, particularly subclasses 20.1, 20.2, and 20.3. The following are considered to distinguish rail-bond joints from the joints classifiable in class 287 and to cause classification in class 238:

(*a*) electrical limitations other than the mere statement that the joint or coupling is electrically conductive or that the parts connected are electric conductors;

(*b*) significant structure of the rail-bond body other than the terminal or attaching portions;

(*c*) recitation, broadly or specifically, of the particular portion of the rail to which the bond is attached, as for example the head or tread portion, or the base or flange portion, excepting that the mere recitation that the bond is secured to the "web" of the rail will not prevent classification in class 287;

(*d*) all plural-joint features, regardless of the breadth of the claims, i. e., all patents claiming both rails or claiming both of the bond terminals;

(*e*) all other features specialized to rail-bed or surface track installations or pertaining to vehicular travel over the rails.

(7) Note.—For methods of making rail-bonds and/or for attaching them to the rails, see the appropriate method classes, especially class 29, METAL WORKING, subclass 169.2; class 113, SHEET METAL WARE, MAKING, subclass 112, and class 219, ELECTRIC HEATING, subclass 10.

14.2. Electrical connections under subclass 14.1 for connecting a rail to some object or device other than a contiguous rail.

(1) Note.—This subclass includes, for example, "cross-bonds" for connecting a rail to the parallel rail at the opposite side of the track, connections between rails and "bootlegs", ground connections, etc.

(2) Note.—This subclass does not include mere joints between a rail and a conductor wire, cable, bond, etc., for which see particularly this class, subclasses 14.13, 14.14, and 14.15, and note 6 to the definition of subclass 14.1.

14.3. Electrical connections under subclass 14.1 involving some special rail structure, i. e., a rail having a claimed form or structure distinguishing the same from the standard T-head rail.

14.4. Electrical connections under subclass 14.1 combined with means for supporting the rail, or combined with means for mechanically joining two rails in aligning relation for maintenance of the continuity of the track, such as splice bars, fish plates, ties, chairs, etc.

Note.—See note 3 to the definition of this class, subclass 14.1.

14.5. Combinations under subclass 14.4 in which the electrically conducting element is interposed or positioned between the rail and its support, or between the rails and one of the elements of the mechanical joint, for example, between the rail and the splice bar.

14.6. Combinations under subclass 14.5 in which the interposed conducting element is positioned along the web of the rail.

14.7. Combinations under subclass 14.4 having means for securing or supporting the intermediate portion of a rail bond, i. e., the portion between the attaching or terminal portions.

Note.—For bond-wire supports claimed per se, see class 248, SUPPORTS, subclass 65 and indented subclasses.

14.8. Electrical connections under subclass 14.1 including a dowel pin, key, or similar element inserted in aligned holes of sockets formed in the abutting ends of the rails.

(1) Note.—For mere mechanical rail-joints employing similar elements, see this class, subclass 179.

(2) Note.—For mere rod joints or couplings employing similar elements, see class 287, ROD JOINTS OR COUPLINGS, subclass 127.

14.9. Devices for protecting the rail bond or its terminal portions from mechanical injury, including means for deflecting parts of rolling stock away from the bond.

(1) Note.—For arrangements whereby the bond is enclosed or protected by elements of a rail-joint or support, see this class, subclass 14.4 and indented subclass.

(2) Note.—For protective boxes or closures designed to protect rail-joints or other surface track elements, see this class, subclass 312.

14.10. Electrical connections under subclass 14.1 in which a plurality of rail-bonds extends from one rail to the other, or in which a single rail-bond consists of a plurality of laminations, strands, or other elements extending from one rail to the other.

(1) Note.—This subclass does not include rail-bonds consisting of a single stranded cable. Such bonds are classified in accordance with their other characteristics in this class, subclass 14.1 or indented subclasses.

(2) Note.—For mere plural-strand conductor structure, see class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 128 and indented subclasses.

(3) Note.—For mere joints between two or more bond wires, rods, etc., and a rail, **continue the search** in class 287, ROD JOINTS OR COUPLINGS, subclass 20.1.

14.11. Plural bond connections under subclass 14.10 in which at least one bond is positioned at each side of the rail.

14.12. Rail bonds under subclass 14.1 having claimed features pertaining to the form, structure, or arrangement of the intermediate portion of the bond, i. e., the portion between the terminal or attaching portions.

(1) Note.—In addition to bonds of novel configuration or cross-section, this subclass also includes bonds having connectors, vibration dampers, or other appurtenant devices associated with the intermediate portion of the bond.

(2) Note.—For mere laminated or plural strand bonds, see this class, subclass 14.10.

(3) Note.—For mere conductor structure, see class 174, ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 126 and indented subclasses.

14.13. Joints or couplings under subclass 14.1 between a rail-bond and the head or tread portion of a rail.

(1) Note.—For such joints or couplings involving special rail forms, see this class, subclass 14.3.

(2) Note.—See notes (6) and (7) to the definition of subclass 14.1 of this class.

14.14. Joints or couplings under subclass 14.1 between a rail-bond and the base or flange portion of a rail.

(1) Note.—For such joints or couplings involving special rail forms, see this class, subclass 14.3.

(2) Note.—See notes (6) and (7) to the definition of subclass 14.1 of this class.

14.15. Joints or couplings under subclass 14.14 in which the rail-bond is attached to the rail-base or flange by casting, welding, soldering, brazing, or other method requiring the use of molten material, or cement, or other adhesive.

(1) Note.—See note (7) to the definition of subclass 14.1 of this class.

(2) Note.—For molded joints between wires, cables, rods, and the like and a base member in general, see class 287, ROD JOINTS OR COUPLINGS, subclass 20.2.

The patents in these subclasses have been taken for the most part from class 173, Electricity, Connectors, subclasses 262 and 277–283 abolished in this order.

In *class 287, Rod Joints or Couplings* (Division 52), abolish the following subclass with its definition:

Rod to base, plate, or head

25 Platelike body.

The patents formerly contained in this subclass have been placed in this class (287), subclass 20 and indented subclasses.

In *class 287, Rod Joints or Couplings* (Division 52), establish the following subclasses and definitions:

Rod to base, plate, or head

20.1 Plural or looped rod,
20.2 Molded joint,
20.3 Wedged, expanded, or riveted.

20.1. Joints or couplings under subclass 20 in which (*a*) two or more rodlike bodies are secured to a base member, or (*b*) a single rodlike body having a portion bent in the form of a loop is secured to a base member either at the looped portion or at the opposite ends of the rodlike body.

Note.—**Continue the search** in class 238, RAILWAYS, SURFACE TRACK, subclass 14.10.

20.2. Joints or couplings under subclass 20 in which the rodlike body or its connecting device is secured by casting, welding, soldering, brazing, or other method requiring the use of molten material, or cement, or other adhesive.

Note.—**Continue the search** in class 238, RAILWAYS, SURFACE TRACK, subclass 14.15.

20.3. Joints or couplings under subclass 20 in which the rodlike body or its connecting device is secured in a hole or socket in the base member (*a*) by means of a wedge; (*b*) by having a portion thereof expanded or forced into tight engagement with the walls of said hole or socket, or (*c*) by being riveted to the base member.

Note.—The term "riveted" is used herein in a broad and general sense, and is intended to include such operations as swaging, upsetting, forging, expanding, or otherwise deforming the portion to be secured.

The patents contained in these subclasses have been taken for the most part from class 173, Electricity, Connectors, subclasses 262 and 277–283, abolished in this order, and from class 287, Rod Joints or Couplings, subclasses 20, 20.5 and 25, the latter subclass being abolished in this order.

In *class 2, Apparel* (Division 24), subclass 46, number the existing note (1) and add the following note:

(2) Note.—See this class, subclass 231, and the indented subclass, for trouser protectors.

In *class 29, Metal Working* (Division 14), in subclass 155.5, add the following note:

Note.—For blanks and processes for forming rail-bonds and/or for attaching them to the rails, see this class, subclass 169.2;

and in subclass 155.55, in the note, change "169" to *169.2*.

In *class 30, Cutlery* (Division 53), subclass 35, note (1), change the period to a semi-colon and add:

and where the mere action of shearing incidentally serves to sharpen and/or maintain the cutter in sharpened condition, see this class, subclass 43.

In *class 62, Refrigeration* (Division 44), in the main class definition, note (3), add:

257—HEAT EXCHANGE. The line between classes 62 and 257 on combined heating and cooling is stated in a note to the definition of class 257, subclass 6.

In *class 88, Optics* (Division 7), subclass 16, add the following note:

(5) Note.—See class 312, SUPPORTS, CABINET STRUCTURES, subclass 20, for cabinets designed to house complete motion-picture apparatus, as distinguished from apparatus casings which are in this class (88).

In *class 174, Electricity, Conductors and Insulators* (Division 65), subclass 207, add the following note:

(4) Note.—For mere joints between a link or clevis and a fitting for the same, see class 287, ROD JOINTS OR COUPLINGS, particularly subclass 20.1.

In *class 183, Gas Separation* (Division 32), subclass 2.5, number the existing note (1) and add:

(2) Note.—See class 103, PUMPS, subclasses 113 and 203, for devices for deaerating liquids combined with liquid pumps where the deaerating device vents gas, prior to pumping, from the pump chambers, or, subsequent to the pumping, when the vehting is for the sole purpose of priming or maintaining the prime of a pump. But those combinations where the deaerating device vents gas irrespective of any conditioning of the pump for operation are here included.

In *class 191, Electricity, Transmission to Vehicles* (Division 34), in note (2) of the main definition, insert after "326":

rail bonds which are classified in class 238, RAILWAYS, SURFACE TRACK, subclass 14.1 and indented subclasses;

and in note (3) cancel:

and rail bonds in subclass 262 and indented subclasses.

In *class 198, Conveyors, Power-Driven* (Division 4), in the definition of subclass 233, change "on" to *or*.

In *class 206, Special Receptacles and Packages* (Division 40), main class definition, note (1) in the reference to class 23, Chemistry, cancel "crucibles," and add at end of note: *263*, Heating, subclass 48, for crucibles; and in subclass 56, number the existing note (2) and add:

(1) **Search this class**, subclass 0.5, for packages which permit infusion of the contents directly from or through the package walls.

In *class 220, Metallic Receptacles* (Division 40), subclass 85, add the following notes:

(7) Note.—For receptacles having handles with integral supporting props, see this class, subclass 94 and indented subclasses.

(8) Note.—For props adapted to be attached to receptacle handles to preclude tilting of the receptacle, see class 248, SUPPORTS, subclass 359.

In *class 238, Railways, Surface Track* (Division 34), in the main class definition, after "rail-joints," (both occurrences), add *, rail-bonds*;

in subclass 151, add the following note:

Note.—For rail-joints combined with means for electrically joining the rails, see this class, subclass 14.4 and indented subclasses;

in subclass 310 add the following note:

Note.—For fastenings designed to secure a rail-bond or other electric connector to a rail, see this class, subclass 14.1 and indented subclasses, particularly subclasses 14.13, 14.14, and 14.15;

and in subclass 312 add the following note:

Note.—For protective devices limited to the protection of rail-bonds, see this class, subclass 14.9.

In *class 246, Railway Switches and Signals* (Division 34), subclasses 34, 41, and 58, under "Search Classes" cancel the reference to class 173, Electricity, Connectors, and in the reference to class 238, Railways, Surface Track, add:

subclasses 14.1 and the indented subclasses for the structure of rail-bonds.

In *class 252, Compositions* (Divisions 59 and 64), main class definition, note (6) in the reference to class 23,

Chemistry, after "analogous devices" (line 4), insert, *subclasses 288, 289, for apparatus for making catalysts;* and in subclass 195, in the search note to class 23, Chemistry, insert after "for" *apparatus for making catalysts.*

In *class 257, Heat Exchange* (Division 32), subclass 6, insert the following note:

(1) Note.—See this class, subclass 3, and indented subclasses, for combined heating and cooling means with automatic control;

number the existing note (2) and add thereto:

62—REFRIGERATION, appropriate subclasses, for combined heating and cooling performed by a refrigerating system. The line between classes 62 and 257 on combined heating and cooling is as follows:

Class 62 takes (*a*) refrigerating systems utilized for both heating and cooling, either simultaneously or sequentially, by utilizing the heat generated in the refrigeration system for some useful purpose, where the system continues to function as a refrigerating system during heating and (*b*) refrigerating systems combined with heating means for defrosting only, regardless of the source of heat.

Class 257 takes (*a*) refrigerating systems having means to convert the same to a non-refrigerating heating system (as by omission of some essential refrigerating element); (*b*) refrigerating systems combined with heating means for heating functions other than defrosting. Such heating means may be heating by the waste heat of the electric motor, internal combustion engine or other refrigeration system prime mover.

In *class 260, Chemistry, Carbon Compounds* (Division 6), subclass 500, note (5), change "esters" to *acids.*

In *class 263, Heating* (Division 3), in subclass 48, under "Search Classes," in the reference to class 23, Chemistry, change "291" to *292.*

In *class 271, Sheet or Web Feeding or Delivering* (Division 17), subclasses 48 and 49, add the following note:

Note.—See this class, subclass 13, for endless conveyors with side gauge in combination with pneumatic separators.

In *class 281, Books, Strips, and Leaves* (Division 53), main class definition, in note (2) change "repeatedly" to *along at least two fold lines,* and, at the end of the note, add:

Also patents claiming fold lines or other features for so folding or rolling up sheets are classified as "strips".

In *class 282, Manifolding* (Division 53), main class definition, in line 4 of note (4) cancel "repeatedly" and after "forth" insert *along at least two fold lines,* and in line 7, after the period, insert:

Also patents claiming fold lines or other features for so folding or rolling up sheets are classified as "strips".

In *class 283, Printed Matter* (Division 3), main class definition, in note (2), change "repeatedly" to *along at least two fold lines,* and, at the end of the note, add:

Also patents claiming fold lines or other features for so folding or rolling up sheets are classified as "strips".

In *class 287, Rod Joints or Couplings* (Division 52), in note (4) of the main class definition, before 248, Supports, insert the following:

238—RAILWAYS, SURFACE TRACK, subclasses 14.1 and indented subclasses, and 151 and indented subclasses;

and before 311, Supports, Tables, insert: 306, *Tool-Handle Fastenings;*

in subclass 20, rewrite the definition to read as follows:

20. Joints or couplings under the main class definition for securing one or more rodlike bodies to a base member.

(1) Note.—"Base member" as used herein means any non-rodlike body such as a plate, head, etc.

(2) Note.—The rodlike body may be secured directly to the base member, or the coupling may comprise an intermediate connecting device having one portion secured to the rodlike body and another portion secured to the base member.

(3) Note.—May include connections for holding a staff to a base, a leg to a piece of furniture, a handle to a tool where the handle is not socketed, a rung to a ladder side, and the like.

(4) Note.—For carpentry joints involving connection of wood to wood, without plates, bolts, additional socket members, and the like, as in ordinary mortised joints, see class 20, WOODEN BUILDINGS, subclass 92.

(5) Note.—For connections between a stand leg and its head, see class 248, SUPPORTS, subclass 188.

(6) Note.—This and the indented subclasses include joints between a rail bond and a rail in accordance with the line stated in the definition of and notes to subclass 14.1 of class 238, RAILWAYS, SURFACE TRACK;

and in subclass 20.5 rewrite the definition to read as follows:

20.5. Joints or couplings under subclass 20, other than ball and socket joints, in which the rodlike body has a bent or headed portion secured to the base member.

(1) Note.—For joints and couplings in which the rodlike body is bent to form a loop, see this class, subclass 20.1.

(2) Note.—For joints and couplings in which the bent or headed portion of the rodlike body is formed as the result of the mode of securement, i. e. swaging, riveting, etc., see this class, subclass 20.3.

(3) Note.—For connections for attaching a stand leg to its head, see class 248, SUPPORTS, subclass 188.

In *class 294, Handling-Hand and Hoist-Line Implements* (Division 4), subclass 27, note (4) under "Search Classes" add the following:

221—DISPENSING, subclasses 155 and 156, for cooking type dispensing receptacles having auxiliary pot-tilting handles;

and in subclass 49, note (3) in the reference to class 287, Rod Joints or Couplings, change "subclass 25" to *subclass 20 and indented subclasses.*

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 19, 1941

[VOL. 529. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 442,497. PRODUCERS' CROP IMPROVEMENT ASSOCIATION, Piper City, Ill. Filed Apr. 11, 1941.



The words "Producers' Certified Hybrids" and the representation of the map are disclaimed apart from the mark. The drawing is lined for red and blue.

FOR FIELD SEEDS AND HYBRID SEED CORN.

Claims use since December, 1940.

Ser. No. 442,691. CORNELI SEED COMPANY, St. Louis, Mo. Filed Apr. 18, 1941.

CORNELI'S GOLD RUSH HYBRID

No claim is made to the name "Corneli's" or to the word "Hybrid" apart from the mark.

FOR SWEET CORN SEED.

Claims use since Feb. 15, 1940.

Ser. No. 443,292. J. M. HUBER, INC., New York, N. Y. Filed May 6, 1941.

ALUMEX

FOR CHINA CLAY.

Claims use since Apr. 25, 1941.

Ser. No. 443,293. J. M. HUBER, INC., New York, N. Y. Filed May 6, 1941.

HYDRATEX

FOR CHINA CLAY.

Claims use since Apr. 16, 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 445,279. TEXAS TANNING & MANUFACTURING COMPANY, Yoakum, Tex. Filed July 11, 1941.

TEX-TAN

No claim is made to the word "Tan" apart from the mark.

FOR BILLFOLDS, KEYCASES, BRIEF CASES, LADIES' HANDBAGS, POCKETBOOKS, PORTFOLIOS, PURSES, WALLETS, RIDING WHIPS, QUIRTS, SADDLES, BRIDLES, HARNESS, AND LARIATS, ALL MADE OF COWHIDE OR LEATHER.

Claims use since 1936.

Ser. No. 445,304. STIX, BAER AND FULLER COMPANY, St. Louis, Mo. Filed July 12, 1941.

Corinne

FOR WOMEN'S HAND-BAGS AND PURSES.

Claims use since Feb. 5, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 439,393. J. E. MARTIN EQUIPMENT CORPORATION, Niagara Falls, N. Y. Filed Jan. 3, 1941.

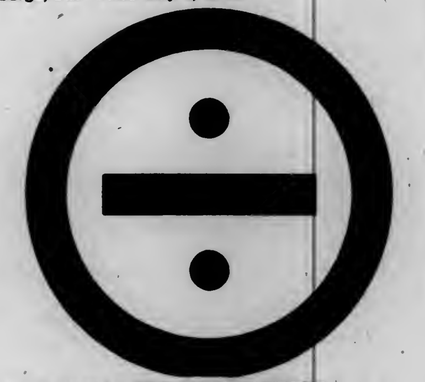
MAR-CLENE

No claim is made to the word "Clene" apart from its association with the word "Mar" as shown.

FOR DRY CLEANING FLUID.

Claims use since Apr. 2, 1940.

Ser. No. 443,302. OREFRACTION INCORPORATED, Pittsburgh, Pa. Filed May 6, 1941.



FOR MINERAL ABRASIVE POWDERS.
Claims use since May 14, 1940.

Ser. No. 444,220. JACK HACKMAN, doing business as National Cleaning Products Company, Columbus, Ohio. Filed June 5, 1941.

Dhobi

FOR POWDER FOR USE AS A WASHING PREPARATION.
Claims use since Feb. 21, 1941.

Ser. No. 444,422. WILLIAM H. TAYLOR, Birmingham, Ala. Filed June 11, 1941.

PERFECT CIRCLE CLEANER

The word "Cleaner" is disclaimed apart from the mark.
FOR CLEANING COMPOUND USEFUL IN CLEANING RUBBER ARTICLES SUCH AS FLOORS, RUBBER MATS, AUTOMOBILE TIRES.
Claims use since May 1, 1941.

Ser. No. 444,851. CONRAD WOLFF, Irvington, N. J. Filed June 26, 1941.

RITE-TONERDE

FOR METAL POLISH CONSISTING OF A PRECIPITATED ALUMINA USED FOR POLISHING METAL TO DETERMINE THE GRAINING THEREOF.
Claims use since June 17, 1941.

Ser. No. 444,896. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill. Filed June 27, 1941.

SOAPETTES

FOR SOAP IMPREGNATED METALLIC WOOL PADS.
Claims use since May 29, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 438,226. WALNUT GROVE PRODUCTS COMPANY, Atlantic, Iowa. Filed Nov. 25, 1940.

WALNUT GROVE

FOR VERMIFUGES, INSECTICIDES, GERMICIDES, AND DISINFECTANTS.
Claims use since May 28, 1920.

Ser. No. 439,773. DERMETICS, INC., Seattle, Wash. Filed Jan. 18, 1941.

ARTIST PEACH TONE

No claim is made to the words "Peach" and "Tone" apart from the mark.
FOR LIPSTICK, LIP ROUGE, ROUGE FOR THE FACE, FACE POWDER, BODY POWDER, EYE SHADOW, EYE LASH DARKENER.
Claims use since Dec. 1, 1940.

Ser. No. 440,446. CALISTE V. WILSON, doing business as Cottle-Wilson Laboratories, North Hollywood, Calif. Filed Feb. 8, 1941.



FOR COLLOIDAL SULPHUR SOLUTION FOR INTERNAL CONSUMPTION, BATHS, ENEMA, BURNS, AS A DETOXICANT, VINCENT'S ANGINA, RING WORM OF THE FEET, AND ARTHRITIS.
Claims use since June 8, 1940.

Ser. No. 442,143. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 31, 1941.

DYSPELIT

FOR BODY DEODORANTS—VIZ., CREAM DEODORANT, DEODORANT POWDER, AND DEODORANT PADS.
Claims use since July 17, 1939.

Ser. No. 443,116. JACQUELINE COCHRAN, Roselle, N. J. Filed Apr. 30, 1941.

Merry-go-round

FOR COSMETICS AND BEAUTY PREPARATIONS—NAMELY, COLOGNE, DUSTING POWDER, BODY LOTION, LIPSTICKS, CREAM ROUGE, AND ROUGE COMPACTS.
Claims use since Apr. 9, 1941.

Ser. No. 443,197. THE LIEBENTHAL BROTHERS COMPANY, doing business as Marlo Products Co., Cleveland, Ohio. Filed May 2, 1941.

LUM-O-JEL

The word "Jel" is not claimed except in association with the rest of the mark.
FOR PREPARATION FOR THE TREATMENT OF GASTRIC (STOMACH) OR DUODENAL (INTESTINAL) ULCERS, AS WELL AS HYPERACIDITY.
Claims use since Apr. 17, 1941.

Ser. No. 443,574. WILLIAM J. MCNULTY, Montclair, N. J. Filed May 14, 1941.

CAMPHO MIST

FOR PREPARATION FOR TREATING THE NOSE AND THROAT.
Claims use since September, 1934.

Ser. No. 443,588. PETER VOSS, doing business as Teddy Pharmaceutical Co., Washington, D. C. Filed May 14, 1941.

DJUMA

FOR LAXATIVES, SKIN AND RECTAL OINTMENTS, AND HEALING SALVES.
Claims use since Oct. 1, 1939.

Ser. No. 443,826. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed May 22, 1941.



FOR FOOD COLORINGS.
Claims use since November, 1940.

Ser. No. 443,890. NATRA-LYN MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 24, 1941.

Natra-Lyn

FOR CREAM FOR PERMANENT WAVING, PERMANENT WAVING SOLUTION, SHAMPOO HAIR OIL, FINGER WAVE SOLUTION, FACIAL CREAM, HAIR CREAM, FACIAL LOTION, NAIL POLISH, NAIL POLISH REMOVER, AND CUTICLE REMOVER.
Claims use since May 12, 1941.

Ser. No. 444,183. HEYDEN CHEMICAL CORPORATION, New York, N. Y. Filed June 4, 1941.

DIPENTEK

FOR DIPENTAERYTHRITOL.
Claims use since Jan. 24, 1941.

Ser. No. 444,184. HEYDEN CHEMICAL CORPORATION, New York, N. Y. Filed June 4, 1941.

PENTEK

FOR PENTAERYTHRITOL.
Claims use since Dec. 12, 1940.

Ser. No. 444,292. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed June 6, 1941.

ORALINE

FOR MOUTH WASH.
Claims use since Nov. 4, 1940.

Ser. No. 444,319. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed June 9, 1941.

THOUSAND FLOWERS

FOR PERFUMES AND TOILET WATERS.
Claims use since May 1, 1940.

Ser. No. 444,335. GENERAL MILLS, INC., Minneapolis, Minn. Filed June 9, 1941.

FYVEE

FOR FORTIFIED WHEAT GERM OIL.
Claims use since May 23, 1941.

Ser. No. 444,336. GENERAL MILLS, INC., Minneapolis, Minn. Filed June 9, 1941.

TENEE

FOR FORTIFIED WHEAT GERM OIL.
Claims use since May 23, 1941.

Ser. No. 444,446. GASTON DE PARIS, INC., New York, N. Y. Filed June 12, 1941.

Toutes Saisons

FOR PERFUMES AND TOILET WATER.
Claims use since June 6, 1941.

Ser. No. 444,549. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 14, 1941.

AVULE

FOR CONTAINER OR VIAL, AMPOULE OR AMPOULE-VIAL HOLDING A BIOLOGICAL OR PHARMACEUTICAL MEDICAMENT FOR USE PRIMARILY BY INJECTION, WHICH BIOLOGICAL MEDICAMENT MAY BE OF ANIMAL OR VEGETABLE ORIGIN AND INCLUDES BACTERIAL CULTURES, VACCINES, SERA, VIRUSES, GLANDULAR PRODUCTS AND EXTRACTS THEREOF, PROTEIN SOLUTIONS, ANIMAL ORGANS AND EXTRACTS OF ANIMAL ORGANS AND OTHER SUBSTANCES OF RELATED AND SIMLILAR ORIGIN, AND WHICH BIOLOGICAL OR PHARMACEUTICAL MEDICAMENT MAY BE FOR HUMAN AND VETERINARY USE FOR INTERNAL AS WELL AS EXTERNAL APPLICATION AS ACIDIFIERS, ALKALINIZERS, ALTERATIVES, ANALGESICS, ANESTHETICS, ANODYNES, ANTACIDS, ANTHELMINTICS, ANTIASTHMATICS, ANTIEMETICS, ANTILUETICS, ANTIMALARIALS, ANTINEURITIC AGENTS, ANTIPELLAGRIC AGENTS, ANTIPERIODICS, ANTIPRURITICS, ANTIPYRETICS, ANTIRACHITIC AGENTS, ANTIRHEUMATICS, ANTISCABIOUS AGENTS, ANTISCORBUTIC AGENTS, ANTISEPTICS, ANTISPASMODICS, ANTISYPHILITICS, ASTRINGENTS, CARDIAC STIMULANTS, CATHARTICS, CHEMOTHERAPEUTIC AGENTS, CHOLAGOGUES, CIRCULATORY DEPRESSANTS, COUNTER-IRRITANTS, DIAPHORETICS, DIETARY SUPPLEMENTS, DIGESTANTS, DIURETICS, ECBOLICS, EMMENAGOGUES, EMOLLIENTS, ENDOCRINE PRODUCTS, EXPECTORANTS, FUNGICIDES, GERMICIDES, GLANDULAR STIMULANTS, GONOCOCCIDES, HEMATINICS, HEMATOPOIETICS. HEMORRHOIDAL AGENTS, HEMOSTATICS, HEPATIC STIMULANTS, HYPNOTICS, INCONTINENCE AGENTS, INTESTINAL ANTISEPTICS, KERATOLYTIC AGENTS, LAXATIVES, MILK MODIFIERS, NASAL MEDICAMENTS, NUTRIENTS, OPOTHERAPICS, OPHTHALMIC AGENTS, ORGANO-THERAPEUTICS, OXYTOCICS, PARASITICIDES, RUBIFACIENTS, SCLEROSING AGENTS, SEDATIVES, STOMACHICS, TONICS, URINARY ANTISEPTICS, URINARY ACIDIFIERS, URINARY ALKALINIZER, UTERINE SEDATIVES, VASOCONSTRICTORS, VASODILATORS, AND VITAMIN PREPARATIONS.
Claims use since June 11, 1941.

Ser. No. 444,579. THE PENSLAR COMPANY, Detroit, Mich. Filed June 16, 1941.

HI-IN-VI

FOR VITAMIN PRODUCT.
Claims use since June 9, 1941.

Ser. No. 444,658. PREMO PHARMACEUTICAL LABORATORIES, INC., New York, N. Y. Filed June 18, 1941.

MULTIPLEX

FOR PHARMACEUTICAL PREPARATION OF VITAMINS AND MINERALS IN THE FORM OF AN ELIXIR, CAPSULES, TABLETS AND SYRUP.
Claims use since September, 1940.

Ser. No. 444,820. COLUMBIAN CARBON COMPANY, New York, N. Y. Filed June 25, 1941.

NEO-SPECTRA

FOR PARTICULATE CARBON HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Jan. 15, 1935.

Ser. No. 444,846. ZONITE PRODUCTS CORPORATION, New York, N. Y. Filed June 25, 1941.

WF

FOR MOTH-PROOFING COMPOSITION.
Claims use since Apr. 9, 1941.

Ser. No. 444,847. ZONITE PRODUCTS CORPORATION, New York, N. Y. Filed June 25, 1941.

WF LARVEX

FOR MOTH-PROOFING COMPOSITION.
Claims use since Apr. 9, 1941.

Ser. No. 445,084. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed July 5, 1941.

BILCAIN

FOR PHARMACEUTICAL PREPARATION FOR OCCASIONAL CONSTIPATION.
Claims use since June 10, 1941.

Ser. No. 445,092. GILDA AUDREY PRODUCTS, INC., New York, N. Y. Filed July 5, 1941.

LIQUICOOL

FOR HAIR LOTIONS—NAMELY, PERMANENT WAVING SOLUTIONS.
Claims use since June 24, 1941.

Ser. No. 445,188. ABBOTT LABORATORIES, North Chicago, Ill. Filed July 9, 1941.

BEJECTAL

FOR INJECTABLE SOLUTION OF VITAMIN B COMPLEX COMPONENTS.
Claims use since June 20, 1941.

Ser. No. 445,190. ABBOTT LABORATORIES, North Chicago, Ill. Filed July 9, 1941.

HYDROSORB

FOR OINTMENT BASE.
Claims use since June 20, 1941.

CLASS 7

CORDAGE

Ser. No. 444,740. PIEDMONT COTTON MILLS, Egan (Greater Atlanta), Ga. Filed June 21, 1941.

TYMAC

FOR COTTON TWINE.
Claims use since Jan. 1, 1932.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 441,716. VERMONT MARBLE COMPANY, Proctor, Vt., and doing business as Vermarco Lime Company, West Rutland, Vt. Filed Mar. 19, 1941.



The portrait is fanciful. The word "Brand" is disclaimed except as shown.
FOR LIME FOR BUILDING PURPOSES.
Claims use since Feb. 1, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 432,768. THE EDWARD KATZINGER COMPANY, Chicago, Ill. Filed June 7, 1940.

MINUTE MAID

FOR STAMPED SHEET METAL PASTRY MOLDS.
Claims use since May 10, 1940.

Ser. No. 444,159. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 3, 1941.

CROSS COUNTRY

FOR WIRE FENCING.
Claims use since July 22, 1939.

Ser. No. 444,160. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 3, 1941.

DEFIANCE

FOR WIRE FENCING.
Claims use since Mar. 12, 1940.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 426,117. THE BAUER TYPE FOUNDRY, INC., New York, N. Y. Filed Dec. 1, 1939.

Corvinus Skyline

FOR PRINTING TYPE FONTS.
Claims use since Sept. 20, 1938.

Ser. No. 443,946. WILLIAM C. MCLOTT, doing business as The Resisto-Loy Company, Grand Rapids, Mich. Filed May 26, 1941.

RESISTO-LOY

FOR HARD FACING ALLOY METAL.
Claims use since Feb. 2, 1937.

Ser. No. 443,947. WILLIAM C. MCLOTT, doing business as The Resisto-Loy Company, Grand Rapids, Mich. Filed May 26, 1941.

ISOROD

FOR HARD FACING ALLOY METAL.
Claims use since Apr. 1, 1940.

Ser. No. 443,948. WILLIAM C. MCLOTT, doing business as The Resisto-Loy Company, Grand Rapids, Mich. Filed May 26, 1941.

TUNG-ALLOY

The word "Alloy" is disclaimed apart from the mark.
FOR HARD FACING ALLOY METAL.
Claims use since Sept. 1, 1940.

Ser. No. 444,498. THE HANNA FURNACE CORPORATION, Buffalo, N. Y. Filed June 13, 1941.

HANNATITE

FOR PIG IRON.
Claims use since April, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 444,411. MID-WEST OIL COMPANY, Kansas City, Kans. Filed June 11, 1941.

PENNLAND

FOR LUBRICATING OILS.
Claims use since Feb. 18, 1928.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 441,334. THORMAC CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 7, 1941.

ULTRALUMINUM

FOR COATINGS IN THE NATURE OF PAINT AND ENAMEL COATINGS FOR METAL, WOOD, PAPER, AND THE LIKE.
Claims use since Dec. 4, 1940.

Ser. No. 441,335. THORMAC CHEMICAL COMPANY, INC., New York, N. Y. Filed March 7, 1941.

THORNITE

FOR COATINGS IN THE NATURE OF PAINT AND ENAMEL COATINGS FOR METAL, WOOD, PAPER, AND THE LIKE.
Claims use since Dec. 12, 1940.

Ser. No. 444,047. KEYSTONE VARNISH COMPANY, New York, N. Y. Filed May 29, 1941.

Keystone

FOR PASTE PAINTS AND READY-MIXED PAINTS, AND PAINT ENAMELS.
Claims use since Apr. 15, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 441,242. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Mar. 5, 1941.

Fleetline

FOR AUTOMOBILES AND STRUCTURAL PARTS THEREOF.
Claims use since Jan. 14, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 432,867. PHILCO CORPORATION, Philadelphia, Pa., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware. Filed June 10, 1940.

XXD

FOR RADIO AND TELEVISION TUBES.
Claims use since May 9, 1940.

Ser. No. 443,872. BENJAMIN ELECTRIC MFG. COMPANY, Des Plaines, Ill. Filed May 24, 1941.

Steelite

FOR ELECTRIC LIGHTING FIXTURES.
Claims use since Jan. 2, 1941.

Ser. No. 444,678. LEO POLLOCK CORPORATION, New York, N. Y. Filed June 19, 1941.

AED-MINT-STIK

FOR DECORATIVE LIGHTING DEVICES IN THE FORM OF UNITARY ARTICLES ADAPTED TO BE ELECTRICALLY LIGHTED—NAMELY, CHRISTMAS TREE LIGHTING OUTFITS, WREATHS, AND CANDLE LIGHTS.
Claims use since May 15, 1941.

Ser. No. 444,679. LEO POLLOCK CORPORATION, New York, N. Y. Filed June 19, 1941.

POLLY

FOR DECORATIVE LIGHTING DEVICES IN THE FORM OF UNITARY ARTICLES ADAPTED TO BE ELECTRICALLY LIGHTED—NAMELY, CHRISTMAS TREE LIGHTING OUTFITS, WREATHS, CHRISTMAS STARS AND CANDLE LIGHTS.
Claims use since May, 1936.

Ser. No. 444,738. OAK MFG. CO., Chicago, Ill. Filed June 21, 1941.

Oak

FOR ELECTRIC SWITCHES, VIBRATORS, ELECTRIC CONDENSERS, PUSH BUTTON TUNERS.
Claims use since 1934.

Ser. No. 444,920. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed June 27, 1941.

HYDROSEC

FOR ELECTRICAL CONDUCTOR WIRES AND CABLES.
Claims use since June 13, 1941.

Ser. No. 444,921. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed June 27, 1941.

PYROSEC

FOR ELECTRICAL CONDUCTOR WIRES AND CABLES.
Claims use since May 31, 1941.

Ser. No. 444,922. U. S. ELECTRICAL MOTORS, INC., Los Angeles, Calif. Filed June 27, 1941.

UNIBASE

FOR ELECTRIC MOTORS.
Claims use since May 1, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 435,926. THE TUCO WORK SHOPS, INCORPORATED, Lockport, N. Y. Filed Sept. 12, 1940.

TUCO

FOR PICTURE PUZZLE GAMES.
Claims use since September, 1932.

Ser. No. 443,704. ROTOBOWLING CORPORATION, Miami, Fla. Filed May 19, 1941.

ROTOBOWLER

FOR POWER BOWLING MACHINES OF THE TYPE WHEREIN A BOWLING BALL IS FIRST SPUN BY A POWER MOTOR AND THEN DISCHARGED ALONG A BOWLING ALLEY, BOWLING PINS, BOWLING BALLS, AND BOWLING ALLEYS.
Claims use since February 17, 1941.

Ser. No. 445,168. MILTON BRADLEY COMPANY, Springfield, Mass. Filed July 8, 1941.

TOBAC

FOR BOARD GAME.
Claims use since Mar. 1, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 439,223. COOPER & COOPER INC., Brooklyn, N. Y. Filed Dec. 27, 1940.

SALUTE

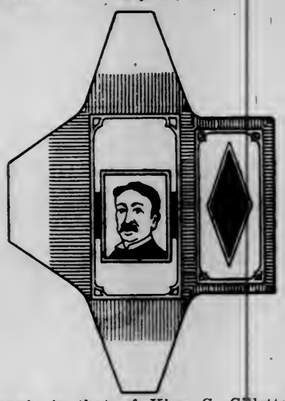
FOR RAZOR BLADES.
Claims use since Dec. 18, 1940.

Ser. No. 442,771. AMP CORPORATION, St. Louis, Mo. Filed April 21, 1941.

CRYSTAL-FLO

FOR UNITARY COMBINATION OF CONTAINER, COOLER, AND DISPENSER, FOR HANDLING SOFT DRINKS AND THEIR INGREDIENTS, AT SODA FOUNTAINS, BARS, AND THE LIKE.
Claims use since Mar. 31, 1941.

Ser. No. 443,930. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed May 26, 1941.



The portrait is that of King C. Gillette, deceased. The representation of the wrapper is disclaimed.
FOR SAFETY RAZOR BLADES.
Claims use since Dec. 6, 1929.

Ser. No. 444,051. PATENTED APPLIANCES, INCORPORATED, Simsbury and Saybrook, Conn. Filed May 29, 1941.

BERGERMASTER

The word "Berger" is disclaimed apart from the mark.
FOR FOOD PATTY FORMING MACHINES.
Claims use since Mar. 29, 1941.

Ser. No. 444,247. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed June 6, 1941.



FOR CORK ROLL COVERS FOR TEXTILE MILL USAGE.
Claims use since June 26, 1940.

Ser. No. 444,582. HOWARD L. ROSS CORPORATION, New York, N. Y. Filed June 16, 1941.

PICKETTE

FOR COMBINED SPEAR AND FORK MADE OF PLASTIC MATERIAL FOR USE IN HANDLING PICKLES, OLIVES, LEMON SLICES, AND THE LIKE.
Claims use since June 13, 1941.

Ser. No. 444,734. ERNEST A. FEUSTEL, INCORPORATED, Hasbrouck Heights, N. J. Filed June 21, 1941.

PRESTO

FOR YARN CARRIERS AND YARN CARRIER TUBES AND YARN CARRIER FINGERS FOR KNITTING MACHINES, PARTICULARLY HOSIERY KNITTING MACHINES.
Claims use since January, 1938.

Ser. No. 444,791. DASH, INCORPORATED, New York, N. Y. Filed June 24, 1941.

DASH

FOR PRINTING MACHINES.
Claims use since Feb. 24, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 443,557. COSBY BRUSH & IMPORT CO. INC., New York, N. Y. Filed May 14, 1941.

TITTERTON

FOR BRUSHES—NAMELY, NAIL, HAND, TOOTH, MILITARY, CLOTHES, MEN'S AND WOMEN'S HAIR, MASSAGE, AND BATH BRUSHES.
Claims use since April 1, 1941.

Ser. No. 444,401. E-Z PROFESSIONAL SQUEEGEE CO., Chicago, Ill. Filed June 11, 1941.

E-Z

FOR WINDOW SQUEEGEE.
Claims use since Nov. 1, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 444,358. A. SIMKINS & Co., New York, N. Y. Filed June 9, 1941.

SIMCRAFT

FOR CARVED WOOD AND PLASTIC ACCESSORIES, COMPRISED—NAMELY, OF WALL BRACKETS, PLANT STANDS, BOOK ENDS, LAMP BASES, AND TABLES.
Claims use since Jan. 24, 1940.

Ser. No. 444,717. SLEEPMASTER PRODUCTS COMPANY, Newark, N. J. Filed June 20, 1941.

Quiltmaster

FOR MATTRESSES, BOX SPRINGS, STUDIO COUCHES, AND PILLOWS.
Claims use since July 13, 1936.

CLASS 33

GLASSWARE

Ser. No. 440,307. AMERICAN WINDOW GLASS COMPANY, Pittsburgh, Pa. Filed Feb. 5, 1941.

SUPRA -TEST-

The word "Test" is disclaimed apart from the mark.
FOR LAMINATED GLASS.
Claims use since Jan. 28, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 442,427. THE PETERSEN OVEN COMPANY, Chicago, Ill. Filed Apr. 9, 1941.

COLOR-AIDER

FOR BAKING OVENS AND HOT AIR AGITATING APPARATUS THEREFOR.
Claims use since Dec. 5, 1940.

Ser. No. 442,789. JACKSON & CHURCH COMPANY, Saginaw, Mich. Filed Apr. 21, 1941.

BERTOSSA

FOR HEATING FURNACES USING SOLID, LIQUID, OR GASEOUS FUELS, SUCH AS COAL, COKE, PEAT, FUEL OIL, ARTIFICIAL GAS, NATURAL GAS.
Claims use since Aug. 16, 1937.

Ser. No. 443,364. KLAUER MANUFACTURING COMPANY, Dubuque, Iowa. Filed May 8, 1941.

Ridgolator

FOR GRAVITY ROOF VENTILATORS.
Claims use since May 25, 1940.

Ser. No. 443,862. THE SOLVAY PROCESS COMPANY, New York, N. Y. Filed May 23, 1941.

AIR-DRYETTE

The word "Air" is disclaimed per se.
FOR DEHUMIDIFIERS FOR DEHUMIDIFYING AIR BY ABSORPTION OF MOISTURE BY A DELIQUESCENT MATERIAL.
Claims use since Apr. 25, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 445,153. GERALD M. M. GRANT, Los Angeles, Calif. Filed July 7, 1941.



FOR PISTON RINGS.
Claims use since May 1, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 433,835. J. S. STAEDTLER, Nuremberg, Germany. Filed July 10, 1940. Under 10-year proviso.

J. S. Staedtler

FOR PENCILS, CRAYONS, PENCILS WITH INSERTED RUBBER, INKPENCILS, SLATE-PENCILS, CHALK PENCILS, MECHANICAL PENCILS, MARKING CHALK, RUBBER ERASERS, PENCIL LENGTHENERS, AND PENHOLDERS.
Claims use since 1835.

Ser. No. 443,283. CENTRAL PAPER COMPANY, INCORPORATED, Muskegon, Mich. Filed May 6, 1941.



FOR THE FOLLOWING PAPER AND PAPER PRODUCTS: OILED AND UNOILED BOARDS FOR STENCILS; ELASTIC PAPER BARREL LINING; TOGETHER WITH THE FOLLOWING PAPERS: ABSORBENT; ANTI-RUST; BAG; BOND PAPER; LEDGER AND WRITING; BUTCHERS' MANILA; CARBONIZING AND CARBON COATING PAPER; CREPE; ENVELOPE; FIBRE; FLAMEPROOF; GASKET; HOLLY AND DECORATED; KRAFT-COLORED, CREPE, WATER FINISH, WAXING AND WAXED; MANIFOLD; MANILA; MOTHPROOF; OILED; PARCHMENT; PATTERN; SATURATING; STENCIL-OILED AND UNOILED; SULPHATE AND SULPHITE; TWISTING; TRANSPARENT; TYMPAN; WAXED OR PARAFFINED; BAKERS', BUTCHERS', CHRISTMAS, DRUG, FflorIST, AND HARDWARE WRAPPING PAPER.
Claims use since 1936.

Ser. No. 443,349. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed May 7, 1941.

SYLPHGLOSS

FOR PAPER HAVING A SMOOTH GLOSSY THERMOPLASTIC COATING THEREON USEFUL FOR DECALCOMANIA, TRANSFERRING, LAMINATING, AND THE LIKE.
Claims use since Feb. 15, 1941.

Ser. No. 443,479. CROWN ZELLERBACH CORPORATION, doing business as Crown Willamette Paper Co., San Francisco, Calif. Filed May 12, 1941.

WAXFOLD

FOR WRAPPING PAPER AND PARTICULARLY AN INNER-WRAP FOR MEATS AND FOODS.
Claims use since Nov. 17, 1940.

Ser. No. 444,132. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J. Filed June 3, 1941.

PATRIOTIC

FOR LEAD PENCILS.
Claims use since Dec. 1, 1912.

Ser. No. 444,154. LINTON PENCIL COMPANY, Lewisburg, Tenn. Filed June 3, 1941.

Colo-Copy

FOR MECHANICAL PENCILS, LEADS, WOOD CASE PENCILS, FOUNTAIN PENCILS, AND PEN STAFFS.
Claims use since May 10, 1939.

Ser. No. 444,298. COHOES ENVELOPE CO. INC., Cohoes, and New York, N. Y. Filed June 7, 1941.

RECORDVELOPE

FOR ENVELOPES.
Claims use since Dec. 1, 1938.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 439,359. PARK EAST PUBLISHING CO., INC., New York, N. Y. Filed Jan. 2, 1941.

park-east

FOR PERIODICAL.
Claims use since Oct. 28, 1940.

Ser. No. 441,455. SYNDICATE STORE MERCHANDISER, INC., New York, N. Y. Filed Mar. 11, 1941.

THE SYNDICATE STORE MERCHANDISER

The words "Chain Store Merchandiser" are disclaimed apart from the mark.
FOR PERIODICAL.
Claims use since Jan. 1, 1941.

Ser. No. 441,551. EDWIN J. RYAN, doing business as Vegejuice Publishing Company, not incorporated, Chicago, Ill. Filed Mar. 14, 1941.

VEGEJUICE MAGAZINE

The word "Magazine" is disclaimed apart from the mark.
FOR MAGAZINE OF GENERAL CIRCULATION.
Claims use since Sept. 15, 1940.

CLASS 39

CLOTHING

Ser. No. 437,179. THE PERRY KNITTING COMPANY, Perry, N. Y. Filed Oct. 22, 1940.

SUPERFLEX

FOR MEN'S, BOYS', AND CHILDREN'S COTTON KNIT UNDERWEAR.
Claims use since July 1, 1935.

Ser. No. 440,367. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Feb. 6, 1941.

C.M.O. WING-TREAD

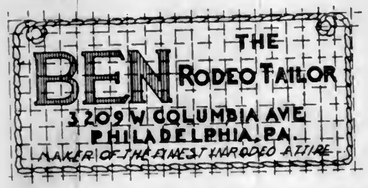
The word "Tread" is disclaimed apart from the mark.
FOR MEN'S, WOMEN'S, AND CHILDREN'S LEATHER SHOES EXCLUDING ANY TYPE OF ATHLETIC SHOES.
Claims use since July 20, 1940.

Ser. No. 440,865. LEWIS & LOCKE, INC., New York, N. Y. Filed Feb. 21, 1941.

Veltex

FOR FABRIC GLOVES.
Claims use since 1920.

Ser. No. 441,546. GERSON LICHTENSTEIN, Philadelphia, Pa. Filed Mar. 14, 1941.



All notations except the word "Ben" are disclaimed.
FOR RODEO ATTIRE—NAMELY, SHIRTS, JACKETS, AND SUITS FOR THE USE OF MEN, WOMEN, BOYS AND GIRLS.
Claims use since Aug. 1, 1935.

Ser. No. 442,044. SAMUEL LISH, New York, N. Y. Filed Mar. 28, 1941.

American Ace

Applicant disclaims the word "American" except as shown.
FOR WOMEN'S AND CHILDREN'S HATS, BERETS, AND TAM-O-SHANTERS.
Claims use since Dec. 16, 1940.

Ser. No. 442,093. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Mar. 31, 1941.

DIVIDEND

FOR MEN'S AND BOYS' SUITS, COATS, OUTER AND UNDER SHIRTS, PAJAMAS, UNDERWEAR, NECKTIES.
Claims use since Aug. 12, 1939.

Ser. No. 442,444. CLEARFIELD TAXIDERMY COMPANY, Clearfield, Pa. Filed Apr. 10, 1941.



No claim is made to the words "The Mark of American Quality", "House of Quality" and "Clearfield Furs" apart from the mark.
FOR WEARING APPAREL—NAMELY, FUR SCARFS, FUR MUFFS, FUR HATS, FUR CAPES, FUR COATS, FUR JACKETS, FUR COLLARS, CLOTH COATS, JACKETS, AND CAPES WITH FUR COLLARS OR FUR LININGS FOR WOMEN AND GIRLS, AND FUR COATS AND JACKETS, CLOTH COATS AND JACKETS WITH FUR LININGS OR COLLARS, CLOTH COATS WITH FUR COLLARS FOR MEN AND BOYS.
Claims use since Apr. 15, 1929.

Ser. No. 442,679. WILSON BROTHERS, Chicago, Ill. Filed Apr. 17, 1941.

CHALET RIB

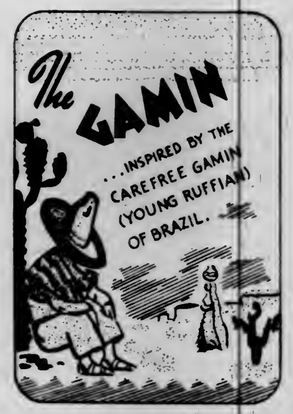
The word "Rib" is disclaimed apart from the mark.
FOR MEN'S AND BOYS' UNDERWEAR.
Claims use since 1929.

Ser. No. 442,868. PHILIP LISH, New York, N. Y. Filed Apr. 23, 1941.



Applicant disclaims all features on the drawing except the word Balangamgam, and also the outline of the hangtag per se.
FOR WOMEN'S AND CHILDREN'S HATS, BERETS, AND TAM-O-SHANTERS.
Claims use since Feb. 10, 1941.

Ser. No. 442,869. PHILIP LISH, New York, N. Y. Filed Apr. 23, 1941.



Applicant disclaims the legend "Inspired by the Carefree Gamin (Young Ruffian) of Brazil" except as shown; and also the outline of the hangtag per se.
FOR WOMEN'S AND CHILDREN'S HATS, BERETS, AND TAM-O-SHANTERS.
Claims use since Feb. 10, 1941.

Ser. No. 443,183. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed May 2, 1941.

Trim-eze C.M.O.C.

The word "Trim" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Feb. 3, 1941.

Ser. No. 443,191. LOUIS HERMAN & COMPANY, New York, N. Y. Filed May 2, 1941.

NUMBER One Hundred
THE "GOOD BEHAVIOR" SLIP

No claim is made to the word "Slip" apart from the mark.
FOR RAYON AND SILK UNDERWEAR FOR WOMEN.
Claims use since Jan. 3, 1940.

Ser. No. 443,307. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed May 6, 1941.



No claim is made to the phrase "American Manufacture" apart from the mark.
FOR HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN.
Claims use since December, 1939.

Ser. No. 443,613. MCLOUGHLIN MANUFACTURING COMPANY, New York, N. Y. Filed May 15, 1941.

Alice Marble

The mark is a facsimile of the signature of Alice Marble.
FOR SPORTS CAPS, TENNIS CAPS, AND SPORTS VISORS.
Claims use since Apr. 25, 1941.

Ser. No. 443,663. MERIT CLOTHING COMPANY, INC., Mayfield, Ky. Filed May 17, 1941.

Woolgora

FOR MEN'S OVERCOATS OF WOOL AND MOHAIR.
Claims use since 1933.

Ser. No. 443,780. PODHOUSER & HOLLINGER FUR CORP., New York, N. Y. Filed May 21, 1941.



Applicant disclaims the representation of the muskrat apart from the mark.
FOR DYED AND BLENDED MUSKRAT COATS FOR WOMEN.
Claims use since September, 1940.

Ser. No. 443,833. BLOOMINGDALE BROS. INC., New York, N. Y. Filed May 23, 1941.

Betterdine

FOR MEN'S AND BOYS' WEARING APPAREL—NAMELY, OVERCOATS, HATS, OUTER AND UNDER SHIRTS, NECKTIES, SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, UNDERWEAR, HOSIERY, SWEATERS, PAJAMAS, MUFFLERS, SCARFS, AND SUITS.
Claims use since May 6, 1941.

Ser. No. 444,026. WELLCO SHOE CORPORATION, Waynesville, N. C. Filed May 28, 1941.

FOAMTRED

FOR SLIPPERS, SHOES, AND BEACH SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF SAID MATERIALS.
Claims use since March, 1941.

Ser. No. 444,042. ETCHISON HAT COMPANY, INC., Richmond, Va. Filed May 29, 1941.

Stratford Hall

Applicant disclaims the word "Stratford" except as shown.
FOR MEN'S FELT AND STRAW HATS.
Claims use since June 1, 1940.

Ser. No. 444,122. JO-MOR HATS, INCORPORATED, Chicago, Ill. Filed June 2, 1941.



The picture is fanciful.
FOR LADIES' HATS.
Claims use since August, 1935.

Ser. No. 444,150. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed June 3, 1941.

Morgan

FOR MEN'S AND YOUTHS' SUITS CONSISTING OF COATS, VESTS AND TROUSERS.
Claims use since Feb. 6, 1941.

Ser. No. 444,337. GLASGO LIMITED, Philadelphia, Pa. Filed June 9, 1941.

Briar Down

The drawing is lined for red and blue.
FOR BATHING SUITS AND SWEATERS.
Claims use since June 1, 1941.

Ser. No. 444,392. H. SIEGFRIED & SONS, INC., St. Louis, Mo. Filed June 10, 1941.

The Kegler

FOR MEN'S AND BOYS' TROUSERS.
Claims use since May 20, 1941.

Ser. No. 444,413. PACKARD DRESSES INC., New York, N. Y. Filed June 11, 1941.

Sun-Cloud

FOR LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF A DRESS AND JACKET.
Claims use since Apr. 2, 1941.

Ser. No. 444,534. BENJAMIN GREENHOLTZ, New York, N. Y. Filed June 14, 1941.

ZIP ROUNDER

FOR WOMEN'S COATS.
Claims use since June 5, 1941.

Ser. No. 444,553. U. S. NECKWEAR CORPORATION, New York, N. Y. Filed June 14, 1941.

FLEETWORTH

FOR NECKTIES AND SCARFS.
Claims use since May 29, 1941.

Ser. No. 444,563. BONNIE MAID HATS, INC., Dallas, Tex. Filed June 16, 1941.

bonnie maid

FOR CHILDREN'S AND LADIES' HATS, AND CHILDREN'S COATS.
Claims use since Nov. 1, 1940.

Ser. No. 444,622. WEBER AND HEILBRONER, INC., New York, N. Y. Filed June 17, 1941.

TOWN

LINK

FOR MEN'S SUITS, SLACKS, OUTER AND UNDER SHIRTS; WEARING APPAREL OF WOOL, COTTON, SILK, RAYON, OR COMBINATIONS THEREOF, FOR MEN AND BOYS—NAMELY, UNDERWEAR, KNITTED JACKETS, SPORT COATS, VESTS, SWEATERS, PULLOVERS, STOCKINGS, SOCKS, HALF HOSE, SPORT HOSE, GOLF HOSE AND ANKLETS, SWIM SUITS, BATHING SHIRTS, SHORTS AND TRUNKS, WOMEN'S SOCKS AND HOSIERY.
Claims use since December, 1921, on suits; and since May 12, 1941, on remaining goods.

Ser. No. 444,661. SIDNEY WINSTON, Washington, D. C. Filed June 18, 1941.

Gloria Rhythm

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES.
Claims use since Nov. 15, 1937.

Ser. No. 444,663. BYER-ROLNICK COMPANY, Garland, Tex. Filed June 19, 1941.

INFORMATI

FOR MEN'S HATS.
Claims use since April, 1941.

Ser. No. 444,745. WAKS FUR COMPANY, New York, N. Y. Filed June 21, 1941.

Squirnaco

FOR FUR COATS AND JACKETS.
Claims use since Mar. 12, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 441,328. HENRY POLLAK, INC., New York, N. Y. Filed Mar. 7, 1941.

NARCELLO

FOR MILLINERY BRAIDS.
Claims use since December, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 444,248. BARTMANN & BIXER INC., New York, N. Y. Filed June 6, 1941.

MAID-O-THE MIST
CUSTOM TAILORED CURTAINS

The words "Custom Tailored Curtains" are disclaimed apart from the mark.
FOR WINDOW CURTAINS.
Claims use since Feb. 1, 1928.

Ser. No. 444,356. WILLIAM ROSE, New York, N. Y. Filed June 9, 1941.

"POSSESSION"

FOR TEXTILE FABRICS IN THE PIECE OF RAYON, COTTON, AND SYNTHETIC YARNS, OR MIXTURES THEREOF.
Claims use since February, 1941.

Ser. No. 444,368. WILSON SPORTING GOODS CO., Chicago, Ill. Filed June 9, 1941.

LUSTR-KORD

No claim is made to the word "Kord" apart from the mark.
FOR SATEEN DUCK PIECE GOODS.
Claims use since Apr. 8, 1941.

Ser. No. 444,857. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed June 26, 1941.

SERENACEL

FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since June 24, 1941.

Ser. No. 444,893. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed June 27, 1941.

HOSPITALITY

FOR SHEETS, SHEETING, PILLOW CASES, PILLOW TUBING, TICKING, TICKS, AND BEDSPREADS.
Claims use since Jan. 9, 1941.

Ser. No. 444,897. COHN-HALL-MARX CO., New York, N. Y. Filed June 27, 1941.

"REALIFE"

FOR COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS.
Claims use since June 10, 1941.

Ser. No. 445,077. ZIMRAY, INC., New York, N. Y. Filed July 3, 1941.

SWAN PACA

FOR TEXTILE FABRICS IN THE PIECE OF WOOL, MOHAIR, AND COMBINATIONS THEREOF.
Claims use since Nov. 1, 1940.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 444,911. NU-DENT PORCELAIN STUDIO, INC., New York, N. Y. Filed June 27, 1941.

NU-DENT
PHOTODENT SHELLS

No claim is made to the words "Dent" and "Shells" apart from the mark.
FOR TOOTH FACINGS AND DENTAL CROWNS FOR COVERING TEETH.
Claims use since June 9, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 443,902. R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed May 24, 1941.

JAY BEE

FOR FOUNTAIN SYRUPS FOR FLAVORING NONALCOHOLIC MALTLESS BEVERAGES.
Claims use since April, 1915.

Ser. No. 444,790. BRUNSWIG DRUG CO., Los Angeles, Calif. Filed June 24, 1941.

Royal Emblem

FOR FRUIT ACID, VANILLA AND FRUIT FLAVORED BASES FOR BEVERAGE PURPOSES AND FRUIT FLAVORED SYRUPS FOR BEVERAGE PURPOSES.
Claims use since June 17, 1941.

Ser. No. 444,904. GALVESTON-HOUSTON BREWERIES, INC., Galveston, Tex. Filed June 27, 1941.

TRIPLE XXX

FOR SOFT DRINKS AND FLAVORING SYRUPS USED IN THE PREPARATION OF SOFT DRINKS.
Claims use since Dec. 16, 1939.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 417,477. STANDARD MILLING COMPANY, New York, N. Y. Filed Mar. 24, 1939. Under 10-year proviso.

Heckers'

FOR WHEAT FLOUR, RYE FLOUR, CAKE FLOUR, WHOLE WHEAT FLOUR, GRAHAM FLOUR, SELF-RAISING WHEAT FLOUR, WHEAT BAKERY BRAN, AND STOCK AND POULTRY FEEDS.
Claims use since 1890.

Ser. No. 430,886. VY LACTOS LABORATORIES, INC., Des Moines, Iowa. Filed Apr. 17, 1940.

Vy Lactos

No claim is made to the word "Lactos" apart from the mark.
FOR LIVESTOCK AND POULTRY FEEDS.
Claims use since July 14, 1930.

Ser. No. 434,330. VILHO O. JARVINEN, New York, N. Y. Filed July 25, 1940.



The word "Brand" and the representation of the label are disclaimed.
FOR CHEESE.
Claims use since September, 1925.

Ser. No. 438,441. MARYLAND BAKING COMPANY, INC., Baltimore, Md. Filed Dec. 2, 1940.

Sani-grip

No claim is made to the word "Grip" apart from the mark.

FOR ICE CREAM CONES.

Claims use since Apr. 1, 1940.

Ser. No. 441,925. ROCKWOOD & Co., Brooklyn, N. Y. Filed Mar. 25, 1941.

CHOC-SO

FOR SWEETENED COCOA PREPARATION USED AS AN INGREDIENT IN FOOD DRINKS.

Claims use since June 12, 1940.

Ser. No. 442,054. TIOGA MILLS, INC., Waverly, N. Y. Filed Mar. 28, 1941.

TI-O-GA T MI

No claim is made to the word "Tioga" apart from the mark.

FOR POULTRY GRAIN, DRY-MASH CHICK FEED AND STOCK FEED.

Claims use since Feb. 25, 1941.

Ser. No. 442,094. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Mar. 31, 1941.

Fairbrook

FOR CANDY AND COOKIES.

Claims use since Mar. 2, 1938.

Ser. No. 443,270. STANDARD FOODS, INCORPORATED, Louisville, Ky. Filed May 5, 1941.

KENTUK

FOR FROZEN MEATS, TO WIT, SPICED BEEF.

Claims use since Apr. 26, 1941.

Ser. No. 443,290. GRAND BAHAMA PACKING COMPANY, LIMITED, Nassau, N. P., Bahama Islands. Filed May 6, 1941.

REEF

FOR CANNED LOBSTER.

Claims use since Nov. 22, 1940.

Ser. No. 443,965. NORMAN L. WAGGONER, INC., San Francisco, Calif. Filed May 26, 1941.

CAL JOY

FOR CANNED FRUITS AND CANNED VEGETABLES.

Claims use since May 21, 1941.

Ser. No. 444,057. SPICENE CO. OF AMERICA, Long Island City, N. Y. Filed May 29, 1941.

PAPRAKENE

FOR SAUSAGE SEASONING CONTAINING SALT, OLEORESIN PAPRIKA AND OTHER ESSENTIAL OILS AND EXTRACTIONS.

Claims use since Sept. 1, 1940.

Ser. No. 444,385. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed June 10, 1941.

Havacone

No claim is made to the word "Cone" apart from the mark.

FOR ICE CREAM CONES.

Claims use since Oct. 21, 1920.

Ser. No. 444,522. CAMPBELL SOUP COMPANY, Camden, N. J. Filed June 14, 1941.



FOR SPAGHETTI IN HERMETICALLY CLOSED CONTAINERS.

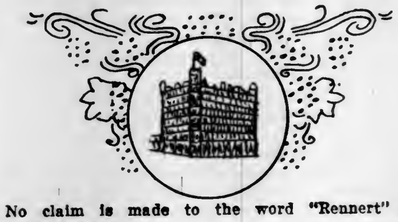
Claims use since May, 1911.

CLASS 47

WINES

Ser. No. 442,294. THE UNION DISTILLERS PRODUCTS CO., Baltimore, Md. Filed Apr. 4, 1941.

RENNERT



No claim is made to the word "Rennert" apart from the mark.

FOR WINES.

Claims use since Jan. 13, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 443,623. ATLAS POWDER COMPANY, Wilmington, Del. Filed May 16, 1941.

BOOKTEX

FOR COATED FABRICS.

Claims use since Sept. 20, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 19, 1941

389,669. GAMES OF SKILL AND GAMES OF CHANCE PLAYED WITH MOVABLE PIECES, PUZZLE GAMES, ETC. GÉRARD MADIEU, Monaco, Monaco.
Filed August 21, 1937. Serial No. 396,643. PUBLISHED JUNE 10, 1941. Class 22.

389,670. GARDEN INSECTICIDES. DOGGETT-PFEIL COMPANY, Springfield, N. J.
Filed December 3, 1938. Serial No. 413,437. PUBLISHED APRIL 30, 1940. Class 6.

389,671. LOCK NUTS USED FOR TIGHTENING DOWN BOLTED JOINTS. HENRY C. ABELL, Asbury Park, N. J.
Filed March 18, 1939. Serial No. 417,195. PUBLISHED JUNE 10, 1941. Class 13.

389,672. ASBESTOS CEMENT CONDUIT AND DUCT AND ASBESTOS CEMENT COUPLINGS AND FITTINGS USED IN CONNECTION WITH CONDUIT AND DUCT FOR USE IN ELECTRICAL WIRING AND CABLE INSTALLATIONS. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed June 23, 1939. Serial No. 420,865. PUBLISHED AUGUST 22, 1939. Class 21.

389,673. BREAD, CAKE, DOUGHNUTS. NASHUA BAKING CO., INC., Nashua, N. H.
Filed July 21, 1939. Serial No. 421,810. PUBLISHED JUNE 10, 1941. Class 46.

389,674. BRASSIÈRES, BANDEAUX, AND FOUNDATION GARMENTS. SNUG-FIT FOUNDATIONS INC., New York, N. Y.
Filed October 31, 1939. Serial No. 425,031. PUBLISHED JUNE 10, 1941. Class 39.

389,675. CUTTING ELEMENTS FOR MACHINE TOOLS AND DRAWING BLOCKS, THREAD GUIDES AND NOZZLES FOR USE IN MANUFACTURING WIRE FORMS SUCH AS METAL FILAMENTS AND THE LIKE AND FOR COLD DRAWING OF METALS. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany.
Filed December 26, 1939. Serial No. 426,881. PUBLISHED JUNE 10, 1941. Class 23.

389,676. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATES FROM WHICH SUCH SOFT DRINKS ARE MADE. CITRUS PRODUCTS COMPANY, Chicago, Ill.
Filed December 29, 1939. Serial No. 426,974. PUBLISHED FEBRUARY 27, 1940. Class 45.

389,677. MEDICINAL PREPARATION—VIZ., ACTIVE MALE HORMONE EXTRACTED FROM FRESH ANIMAL TISSUE IN OIL SOLUTION FOR INTRAMUSCULAR USE. KARL MALLARD, doing business as A. E. Mallard, Detroit, Mich.
Filed March 2, 1940. Serial No. 429,120. PUBLISHED MAY 21, 1940. Class 6.

389,678. MEDICINAL PREPARATION—VIZ., PURIFIED NATURALLY OCCURRING ESTROGENIC SUBSTANCES IN OIL SOLUTION FOR INTRAMUSCULAR USE. KARL MALLARD, doing business as A. E. Mallard, Detroit, Mich.
Filed March 2, 1940. Serial No. 429,121. PUBLISHED MAY 21, 1940. Class 6.

389,679. BEDROOM FURNITURE, DINING ROOM FURNITURE, LIVING ROOM FURNITURE, OCCASIONAL TABLES AND CHAIRS, DESKS, CHAIRS, SOFAS, AND UPHOLSTERED FURNITURE GENERALLY. KAPLAN FURNITURE COMPANY, Cambridge, Mass.
Filed April 6, 1940. Serial No. 430,428. PUBLISHED JUNE 10, 1941. Class 32.

389,680. WRITING INSTRUCTION DEVICES IN THE NATURE OF A METAL OR OTHER ATTACHMENT FOR USE ON PENCILS OR PENS, THROUGH WHICH THE FINGER MAY BE INSERTED DURING WRITING. CHARLES P. LAWRENCE, Wethersfield, Conn.
Filed April 27, 1940. Serial No. 431,311. PUBLISHED JUNE 10, 1941. Class 37.

389,681. SHEETS, SHEETING, AND PILLOW CASES. 3 BEALL BROTHERS 3, Jacksonville, Tex.
Filed June 14, 1940. Serial No. 433,037. PUBLISHED JUNE 10, 1941. Class 42.

389,682. CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND FLAVORING THEREFOR. SEMINOLE FLAVOR COMPANY, Chattanooga, Tenn.
Filed July 15, 1940. Serial No. 433,993. PUBLISHED JUNE 10, 1941. Class 45.

389,683. NURSES', BEAUTICIANS', WAITRESSES', MAIDS', INSTITUTIONAL, INDUSTRIAL, AND UTILITY WORKERS' UNIFORMS, AND FOR PRINCESS SLIPS, CHEMISES, BLOOMERS, AND STEP-INS. I. SCHNEIERSON & SONS, INC., New York, N. Y.
Filed September 13, 1940. Serial No. 435,954. PUBLISHED JUNE 10, 1941. Class 39.

389,684. CRIB SHEETS. BOSTON LEATHER SPECIALTIES INC., Everett, Mass.
Filed October 1, 1940. Serial No. 436,540. PUBLISHED JUNE 10, 1941. Class 42.

389,685. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CONDIMENTS—NAMELY, CHILI SAUCE, MAYONNAISE, MUSTARD, VINEGAR, CATSUP, PEPPER, SALAD OIL—DRIED EVAPORATED FRUITS, AND RAISINS. ANDREW SPIRA, doing business as Spira & Co., New York, N. Y.
Filed October 3, 1940. Serial No. 436,633. PUBLISHED APRIL 1, 1941. Class 46.

389,686. FILTERS FOR COMPRESSED AIR PIPE LINES. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky.
Filed October 11, 1940. Serial No. 436,830. PUBLISHED JUNE 10, 1941. Class 31.

389,687. APPARATUS EMPLOYED FOR THE PURPOSE OF MAKING RADIOGRAPHIC AND FLUOROSCOPIC DIAGNOSTIC EXAMINATIONS. WESTINGHOUSE X-RAY COMPANY, INC., Long Island City, N. Y., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania.
Filed October 29, 1940. Serial No. 437,393. PUBLISHED JUNE 10, 1941. Class 44.

389,688. PAPER BAGS SOLD IN TRADE EMPTY. BENJ C. BETNER CO., Devon, Pa.
Filed October 30, 1940. Serial No. 437,402. PUBLISHED JUNE 10, 1941. Class 2.

389,689. INSECTICIDE. LOWELL A. CHRISTMAN, doing business as The Associated Products Company, Columbus, Ohio.
Filed November 2, 1940. Serial No. 437,502. PUBLISHED MAY 27, 1941. Class 6.

389,690. [Withdrawn.]

389,691. MECHANICAL NON-ELECTRICAL HAIR CURLERS. THE HAYES-DONAHUE MANUFACTURING CO., INC., Milford, Conn.
Filed November 13, 1940. Serial No. 437,821. PUBLISHED JANUARY 21, 1941. Class 40.

389,692. ELECTRIC TABLE BROILERS AND GRILLS. FINDERS MANUFACTURING CO., Chicago, Ill.
Filed December 5, 1940. Serial No. 438,535. PUBLISHED JUNE 10, 1941. Class 21.

389,693. CANDY BARS MADE FROM SYRUPED PITTED DATES ROLLED IN COCOANUT. BORDO PRODUCTS CO., Chicago, Ill.
Filed December 9, 1940. Serial No. 438,645. PUBLISHED JUNE 10, 1941. Class 46.

389,694. POTATO CHIPS. FAMOUS FOODS, INC., Detroit, Mich.
Filed December 24, 1940. Serial No. 439,158. PUBLISHED JUNE 10, 1941. Class 46.

389,695. UNDER ARM AND BODY LIQUID SPRAY DEODORANT. MADELAINE, INC., Newark, N. J.
Filed December 27, 1940. Serial No. 439,234. PUBLISHED APRIL 1, 1941. Class 6.

389,696. ELECTRIC LIGHT FIXTURES. LOUMAC MFG. CO., INC., New York, N. Y.
Filed January 11, 1941. Serial No. 439,601. PUBLISHED JUNE 10, 1941. Class 21.

389,697. MEDICINAL COMPOUND USED IN THE TREATMENT OF POULTRY FOR FLOCK, COCCIDIOSIS, TAPEWORM, AND FOR A GENERAL POULTRY HEALTH BUILDER. WILLIAM O. ATKINS, doing business as Atkins Poultry Products, Pomeroy, Ohio.
Filed January 13, 1941. Serial No. 439,614. PUBLISHED FEBRUARY 25, 1941. Class 6.

389,698. PREPARATION FOR INTRAVENOUS INJECTION FOR USE IN THE TREATMENT OF LOCOMOTOR ATAXIA (TABES DORSALIS). PROTOZYME LABORATORIES, INC., Detroit, Mich.
Filed January 13, 1941. Serial No. 439,630. PUBLISHED JUNE 10, 1941. Class 6.

389,699. LADIES' AND MISSES' HOUSECOATS. ELIAS SAYOUR CO., INC., New York, N. Y.
Filed January 14, 1941. Serial No. 439,667. PUBLISHED JUNE 10, 1941. Class 39.

389,700. WINES. SOUTHLAND WINE CORPORATION, Richmond, Va.
Filed January 18, 1941. Serial No. 439,782. PUBLISHED JUNE 10, 1941. Class 47.

389,701. AUTOMATIC ELECTRIC REFRIGERATOR DEFROSTER. MODERN PRODUCTS, INC., New York, N. Y.
Filed January 21, 1941. Serial No. 439,824. PUBLISHED JUNE 10, 1941. Class 31.

389,702. HOSIERY FOR MEN, WOMEN, AND CHILDREN. CHAS. CHIPMAN'S SONS CO., INC., New York, N. Y.
Filed January 23, 1941. Serial No. 439,887. PUBLISHED JUNE 3, 1941. Class 39.

389,703. MUSICAL INSTRUMENTS, SUPPLIES, AND ACCESSORIES — SUCH AS, STRING INSTRUMENTS, AS ZITHERS, AUTO-HARPS, VIOLAS, ETC. UNITED MUSIC COMPANY, INC., New York, N. Y.
Filed January 28, 1941. Serial No. 440,076. PUBLISHED JUNE 10, 1941. Class 36.

389,704. WHEAT GERM AND WHEAT FLOUR. THE KANSAS MILLING COMPANY, Wichita, Kans.
Filed January 29, 1941. Serial No. 440,096. PUBLISHED MAY 27, 1941. Class 46.

389,705. SALICYLIC-ACID ESTER OF SALICYLIC ACID. RARE CHEMICALS, INC., Flemington, N. J.
Filed January 31, 1941. Serial No. 440,174. PUBLISHED JUNE 10, 1941. Class 6.

389,706. LADIES' POCKET HANDKERCHIEFS. HURDUS, ACKER AND HIRSCH, New York, N. Y.
Filed February 3, 1941. Serial No. 440,249. PUBLISHED JUNE 10, 1941. Class 39.

389,707. OIL PAINT. STEPHEN WOJNOWSKI, doing business as Rain-O-Shine Chemical Company, Highland Park, Mich.
Filed February 4, 1941. Serial No. 440,300. PUBLISHED JUNE 10, 1941. Class 16.

389,708. MATTRESSES, STUDIO COUCHES, AND UPHOLSTERED FURNITURE. DIXIE BEDDING COMPANY, INC., Greensboro, N. C.
Filed February 10, 1941. Serial No. 440,499. PUBLISHED JUNE 10, 1941. Class 32.

389,709. STEMMING WADS ADAPTED TO STEMMING AND SEALING IN THE POWDER CHARGE IN A BLAST HOLE. CALIFORNIA COTTON MILLS COMPANY, Oakland, Calif.
Filed February 12, 1941. Serial No. 440,576. PUBLISHED JUNE 10, 1941. Class 9.

389,710. LADIES', MISSES', AND CHILDREN'S HOODS, HATS, COLLARS, A DEVICE WHICH MAY BE WORN EITHER AS A HAT OR A COLLAR, DRESSES, COATS, PLAYSUITS, AND BLOUSES. CRYSLER PRODUCTS CORP., New York, N. Y.
Filed February 20, 1941. Serial No. 440,805. PUBLISHED JUNE 3, 1941. Class 39.

389,711. MEN'S, WOMEN'S, AND CHILDREN'S COATS, JACKETS, AND VESTS; MEN'S, WOMEN'S, AND CHILDREN'S SKI-SUITS; ETC. DRESSAVER COMPANY, INC., Brooklyn, N. Y.
Filed February 28, 1941. Serial No. 441,087. PUBLISHED JUNE 10, 1941. Class 39.

389,712. BOOTS MADE OF SYNTHETIC RUBBER AND FABRIC. GOODALL RUBBER COMPANY, INC., Philadelphia, Pa.
Filed February 28, 1941. Serial No. 441,090. PUBLISHED JUNE 3, 1941. Class 39.

389,713. ELECTRIC BROODERS. ANDERSON BOX COMPANY, Indianapolis, Ind.
Filed March 3, 1941. Serial No. 441,150. PUBLISHED JUNE 10, 1941. Class 50.

389,714. CHEMICALLY TREATED POLISHING CLOTHS. THE HAAG LABORATORIES, INC., Chicago, Ill.
Filed March 3, 1941. Serial No. 441,162. PUBLISHED JUNE 10, 1941. Class 4.

389,715. HACK SAW BLADES. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn.
Filed March 5, 1941. Serial No. 441,230. PUBLISHED JUNE 10, 1941. Class 23.

389,716. PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT OR OTHER INFECTIONS. ALAN W. ROSS, doing business as Ped-O-Sav Co., Montclair, N. J.
Filed March 8, 1941. Serial No. 441,375. PUBLISHED JUNE 10, 1941. Class 6.

389,717. WOMEN'S AND MISSES' DRESSES, GOWNS, DRESSING GOWNS, COATS, CAPES, SCARFS, HATS, BRASSIÈRES, KNICKERS, PANTIES, SLIPS, CHEMISES, GLOVES OF LEATHER OR FABRIC. ELSA SCHIAPARELLI, INC., New York, N. Y.
Filed March 8, 1941. Serial No. 441,376. PUBLISHED JUNE 10, 1941. Class 39.

389,718. OPHTHALMIC MACHINERY COMPRISING LENS GRINDING MACHINES, LENS SURFACING MACHINES, LENS EDGING MACHINES, AND PARTS THEREOF AND ACCESSORIES THEREFOR. SIMONDS MACHINE COMPANY, INC., Southbridge, Mass.
Filed March 10, 1941. Serial No. 441,417. PUBLISHED JUNE 10, 1941. Class 23.

389,719. LADIES' SPORTSWEAR—NAMELY, SLACK SUITS, PLAY SUITS, BLOUSES, OUTER SKIRTS, JACKETS, DRESSES, KNITTED SUITS AND DRESSES, BATHING SUITS, BATHING SHOES, AND BATHING HATS. B. LOWENSTEIN & BROS., INC., Memphis, Tenn.
Filed March 11, 1941. Serial No. 441,438. PUBLISHED JUNE 3, 1941. Class 39.

389,720. PIECE GOODS OF SILK, ARTIFICIAL SILK, SILK AND ARTIFICIAL SILK, SILK AND WOOL, SILK AND COTTON, AND COMBINATIONS THEREOF, FOR LININGS FOR CLOTHING. WILLIAM SKINNER & SONS, Holyoke, Mass., and New N. Y.
Filed March 12, 1941. Serial No. 441,489. PUBLISHED MAY 20, 1941. Class 42.

389,721. MEDICINAL SKIN OINTMENT USED FOR THE EPITHELIZATION OF TISSUE, AS IN CASES OF CHRONIC ABSCESSES, ETC. THE DRUG PRODUCTS CO., INC., Long Island City, N. Y.
Filed March 13, 1941. Serial No. 441,505. PUBLISHED JUNE 10, 1941. Class 6.

389,722. SPORTSWEAR—NAMELY, GOWNS, FROCKS, DRESSES, SUITS, SKIRTS, JACKETS, BLOUSES, SLACKS, TROUSERS, SKI SUITS, AND SWEATERS FOR WOMEN AND MISSES. THE JACK LISS CORPORATION, New York, N. Y.
Filed March 13, 1941. Serial No. 441,515. PUBLISHED JUNE 10, 1941. Class 39.

389,723. MEN'S AND BOYS' COLLARS. ROGERS PEET COMPANY, New York, N. Y.
Filed March 13, 1941. Serial No. 441,521. PUBLISHED JUNE 3, 1941. Class 39.

389,724. HATS FOR WOMEN. ASSOCIATED RETAIL MILLINERY, INC., Dallas, Tex.
Filed March 15, 1941. Serial No. 441,561. PUBLISHED JUNE 3, 1941. Class 39.

389,725. LINIMENT FOR RELIEF OF PAIN FROM RHEUMATISM. YEE BACK YIM, doing business as Yee Dai Chee, San Francisco, Calif.
Filed March 15, 1941. Serial No. 441,596. PUBLISHED JUNE 10, 1941. Class 6.

389,726. LIVER EXTRACT USED IN THE TREATMENT OF ARTHRITIS. NION CORPORATION, Los Angeles, Calif.
Filed March 17, 1941. Serial No. 441,623. PUBLISHED JUNE 3, 1941. Class 6.

389,727. LEMONS. VENTURA COASTAL LEMON COMPANY, Ventura, Calif.
Filed March 17, 1941. Serial No. 441,651. PUBLISHED JUNE 10, 1941. Class 46.

389,728. LEMONS. VENTURA COASTAL LEMON COMPANY, Ventura, Calif.
Filed March 17, 1941. Serial No. 441,652. PUBLISHED JUNE 10, 1941. Class 46.

389,729. INFANTS' WEAR—NAMELY, BLANKETS IN THE NATURE OF GARMENTS, BUNTINGS, AND BATHROBES. LORRAINE MFG. CO., New York, N. Y.
Filed March 18, 1941. Serial No. 441,676. PUBLISHED JUNE 10, 1941. Class 39.

389,730. HERB MEDICINE TO BE TAKEN AS A TONIC AND USEFUL AID IN SIMPLE DISEASES OF THE BLOOD. JOSEPH J. KELLEY, doing business as Kelley Sales Company, Minneapolis, Minn.
Filed March 19, 1941. Serial No. 441,704. PUBLISHED JUNE 10, 1941. Class 6.

389,731. PREPARATIONS FOR THE TREATMENT OF DYSENTERY, HEART AILMENTS, BRONCHIAL AFFECTIONS, ETC. ISAIAH CONWAY, doing business as Conway's Arrowhead Herb Company, Sacramento, Calif.
Filed March 20, 1941. Serial No. 441,727. PUBLISHED JUNE 10, 1941. Class 6.

389,732. MEN'S AND YOUNG MEN'S COATS, VESTS, TROUSERS, SHIRTS, TOPCOATS, AND OVERCOATS. P. FEINSTEIN & SONS, INC., New York, N. Y.
Filed March 20, 1941. Serial No. 441,729. PUBLISHED JUNE 3, 1941. Class 39.

389,733. SOLDERING AND TINNING FLUX. THE RUBY CHEMICAL COMPANY, Columbus, Ohio.
Filed March 20, 1941. Serial No. 441,747. PUBLISHED JUNE 3, 1941. Class 6.

389,734. CHEESE. RYSER BROS., Chicago, Ill.
Filed March 20, 1941. Serial No. 441,749. PUBLISHED JUNE 10, 1941. Class 46.

389,735. PREPARATIONS USED IN THE TREATMENT OF COUGHS DUE TO COMMON COLDS, DRY THROAT, CATARRH, BRONCHITIS, ASTHMA, AND OTHER RESPIRATORY AFFECTIONS SUCH AS HAY FEVER. GIACOMO BERNARDI, doing business as Benaris-Syropac, Cleveland, Ohio.
Filed March 20, 1941. Serial No. 441,757. PUBLISHED JUNE 3, 1941. Class 6.

389,736. COATS, CAPES, BOLEROS, JACKETS, AND SCARFS MADE OF FUR. C. J. GORDON COMPANY, Chicago, Ill.
Filed March 21, 1941. Serial No. 441,768. PUBLISHED JUNE 3, 1941. Class 39.

389,737. OUTER SHIRTS, AND MILITARY, NAVAL, AND YACHTING CAPS, FOR WEAR BY MEN, WOMEN, AND CHILDREN. PHELPS-TERKEL, INC., Los Angeles, Calif.
Filed March 21, 1941. Serial No. 441,782. PUBLISHED JUNE 3, 1941. Class 39.

389,738. ESTROGENIC PREPARATIONS AND PREPARATIONS CONTAINING AN ESTROGENIC SUBSTANCE. E. R. SQUIBB & SONS, New York, N. Y.
Filed March 21, 1941. Serial No. 441,791. PUBLISHED MAY 6, 1941. Class 6.

389,739. HACK SAW BLADES. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn.
Filed March 22, 1941. Serial No. 441,807. PUBLISHED JUNE 10, 1941. Class 23.

389,740. BRUSHLESS SHAVING CREAM. FRANKLIN E. EVERSON, doing business as F. E. Everson, New York, N. Y.
Filed March 24, 1941. Serial No. 441,862. PUBLISHED JUNE 10, 1941. Class 4.

389,741. SLIDE FASTENERS. SUN IMPORT CO., INC., New York, N. Y.
Filed March 24, 1941. Serial No. 441,884. PUBLISHED JUNE 10, 1941. Class 13.

389,742. LIQUID METAL POLISH. GOLDEN WAX CLEANSER COMPANY, Clarksville, Tenn.
Filed March 25, 1941. Serial No. 441,906. PUBLISHED JUNE 10, 1941. Class 4.

389,743. GENERAL HOUSEHOLD CLEANING COMPOUND FOR FURNITURE, PAINTED, ENAMELED, AND ALL VARNISHED SURFACES, LEATHER, SCREENS, LINOLEUM, BATH TUBS, VENETIAN BLINDS, AND HARDWOOD FLOORS. GOLDEN WAX CLEANSER COMPANY, Clarksville, Tenn.
Filed March 25, 1941. Serial No. 441,907. PUBLISHED JUNE 10, 1941. Class 4.

389,744. CLEANER FOR RUGS AND TEXTILE FABRICS. GOLDEN WAX CLEANSER COMPANY, Clarksville, Tenn.
Filed March 25, 1941. Serial No. 441,908. PUBLISHED JUNE 10, 1941. Class 4.

389,745. ALL TYPES OF PAJAMAS WITH OR WITHOUT FEET, FOR INFANTS, CHILDREN, AND ADULTS. BOSTON KNITTING MILLS, INC., Newton, Mass.
Filed March 26, 1941. Serial No. 441,942. PUBLISHED JUNE 10, 1941. Class 39.

389,746. CANNED VEGETABLES. GASTON CANNING CO., INC., Gaston, Ind.
Filed March 26, 1941. Serial No. 441,957. PUBLISHED JUNE 10, 1941. Class 46.

389,747. BOOTS AND SHOES OF LEATHER, FABRIC, OR RUBBER, OR OF COMBINATIONS OF SAID MATERIALS. S. GOLDBERG & CO. INC., Hackensack, N. J.
Filed March 26, 1941. Serial No. 441,958. PUBLISHED JUNE 10, 1941. Class 39.

389,748. POWDERED COMPOUND FOR USE IN EXTERMINATING LICE. NEVILLE & EVERETT, Scotland Neck, N. C.
Filed March 26, 1941. Serial No. 441,977. PUBLISHED JUNE 10, 1941. Class 6.

389,749. FRESH CITRUS FRUIT. SAN FERNANDO CITRUS ASSOCIATION, San Fernando, Calif.
Filed March 26, 1941. Serial No. 441,979. PUBLISHED JUNE 10, 1941. Class 46.

389,750. GENERAL TONIC. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed March 26, 1941. Serial No. 441,980. PUBLISHED JUNE 10, 1941. Class 6.

389,751. ROUGE, LIPSTICK, SACHET, PERFUMES, BATH SALTS, BATH OIL, ASTRINGENTS, TALCUM POWDER, ETC. BABS CREATIONS, INC., New York, N. Y.
Filed March 27, 1941. Serial No. 441,991. PUBLISHED JUNE 10, 1941. Class 6.

389,752. WOMEN'S AND MISSES' DRESSES. R. H. MACY & CO., INC., New York, N. Y.
Filed March 27, 1941. Serial No. 442,011. PUBLISHED JUNE 10, 1941. Class 39.

389,753. BELTS FOR MEN'S AND WOMEN'S WEAR. MCMULLEN-LEAVENS COMPANY, INC., New York, N. Y.
Filed March 27, 1941. Serial No. 442,012. PUBLISHED JUNE 3, 1941. Class 39.

389,754. BRAKES AND PARTS THEREOF FOR MOTOR VEHICLES. NEW HUDSON LIMITED, Birmingham, England.
Filed March 27, 1941. Serial No. 442,013. PUBLISHED JUNE 10, 1941. Class 19.

389,755. DAIRY PRODUCTS—NAMELY, PASTEURIZED MILK, HOMOGENIZED PASTEURIZED MILK, BUTTERMILK, COFFEE CREAM, AND WHIPPING CREAM. L. S. HEATH & SONS, Robinson, Ill.
Filed March 28, 1941. Serial No. 442,038. PUBLISHED JUNE 10, 1941. Class 46.

389,756. DRESSED FUR SKINS AND DYED FUR SKINS. SEALCO INC., New York, N. Y.
Filed March 28, 1941. Serial No. 442,052. PUBLISHED JUNE 10, 1941. Class 1.

389,757. MACHINE WOOLEN AND WORSTED KNITTING YARN. BOTANY WORSTED MILLS, Passaic, N. J.
Filed March 29, 1941. Serial No. 442,056. PUBLISHED JUNE 3, 1941. Class 43.

389,758. PAINT IN PASTE FORM. GUARDSWELL PAINT MFG. CO., Des Moines, Iowa.
Filed March 29, 1941. Serial No. 442,064. PUBLISHED JUNE 10, 1941. Class 16.

389,759. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed March 29, 1941. Serial No. 442,078. PUBLISHED JUNE 10, 1941. Class 39.

389,760. LIQUID PREPARATION FOR DANDRUFF SCALP SCALE AND ITCHY SCALP. ALBERT H. ZASTROW, Grants Pass, Oreg.
Filed March 29, 1941. Serial No. 442,082. PUBLISHED MAY 6, 1941. Class 6.

389,761. LADIES' AND MISSES' DRESSES. BELMAR FASHIONS, INC., New York, N. Y.
Filed March 31, 1941. Serial No. 442,097. PUBLISHED JUNE 10, 1941. Class 39.

389,762. WOMEN'S LEATHER AND FABRIC SHOES. CRADDOCK-TERRY SHOE CORPORATION, Lynchburg, Va.
Filed March 31, 1941. Serial No. 442,110. PUBLISHED JUNE 3, 1941. Class 39.

389,763. VITAMIN PRODUCT. THE PENSLAR COMPANY, Detroit, Mich.
Filed March 31, 1941. Serial No. 442,139. PUBLISHED JUNE 3, 1941. Class 6.

389,764. MERCHANDISE TAGS. GOLDSMITH BROS., New York, N. Y.
Filed April 1, 1941. Serial No. 442,166. PUBLISHED JUNE 10, 1941. Class 37.

389,765. SHIPPING TAGS. GOLDSMITH BROS., New York, N. Y.
Filed April 1, 1941. Serial No. 442,168. PUBLISHED JUNE 10, 1941. Class 37.

389,766. WATCHES, WATCH CASES, WATCH PARTS, WATCH MOVEMENTS, WATCH BRACELETS, SOLD AS A UNIT WITH THE WATCH. INVICTA-SEELAND, INCORPORATED, New York, N. Y.
Filed April 1, 1941. Serial No. 442,172. PUBLISHED JUNE 10, 1941. Class 27.

389,767. FIELD AND GARDEN SEEDS FOR PLANTING PURPOSES. ANDERSON, CLAYTON & CO., Houston, Tex.
Filed April 2, 1941. Under act of February 20, 1905, as amended June 10, 1938. Serial No. 442,183. PUBLISHED JUNE 10, 1941. Class 1.

389,768. FOOT BUBBLE BATH PREPARATION. BELLIN'S WONDERSTOEN CO., INC., New York, N. Y.
Filed April 2, 1941. Serial No. 442,185. PUBLISHED JUNE 3, 1941. Class 6.

389,769. LIVE FOXES AND FOX PELTS. THOMAS M. DIX, Everett, Mass.
Filed April 2, 1941. Serial No. 442,190. PUBLISHED JUNE 10, 1941. Class 1.

389,770. PREPARATION CONSISTING OF A SUSPENSION OF MAGNESIUM TRISILICATE AND ALUMINUM HYDROXIDE FOR TREATING PEPTIC ULCERS AND RELATED DISEASES. ENDO PRODUCTS INC., New York, N. Y.
Filed April 4, 1941. Serial No. 442,254. PUBLISHED JUNE 3, 1941. Class 6.

389,771. PREPARATION CONSISTING OF WATER SOLUBLE DEHYDROCHOLIC ACID COMPOUND FOR USE IN TREATING BILIARY DISTURBANCES. ENDO PRODUCTS INC., New York, N. Y.
Filed April 4, 1941. Serial No. 442,255. PUBLISHED JUNE 3, 1941. Class 6.

389,772. PREPARATION CONSISTING OF A COMBINATION OF OXIDIZED UNCONJUGATED BILE ACIDS FOR THE TREATMENT OF DISEASES OF THE BILE. ENDO PRODUCTS INC., New York, N. Y.
Filed April 4, 1941. Serial No. 442,256. PUBLISHED JUNE 3, 1941. Class 6.

389,773. MEN'S NECKTIES AND MUFFLERS. MCCURRACH ORGANIZATION INCORPORATED, New York, N. Y.
Filed April 4, 1941. Serial No. 442,269. PUBLISHED JUNE 10, 1941. Class 39.

389,774. NONFATTENING SALAD DRESSING. ELLA M. STRAUCH, Denver, Colo.
Filed April 4, 1941. Serial No. 442,290. PUBLISHED JUNE 10, 1941. Class 46.

389,775. LAUNDRY WASHING MACHINES, IRONING MACHINES, AND DRYERS. EDISON GENERAL ELECTRIC APPLIANCE COMPANY, INC., Chicago, Ill.
Filed April 5, 1941. Serial No. 442,313. PUBLISHED JUNE 10, 1941. Class 24.

389,776. ELECTRIC DISHWASHERS. EDISON GENERAL ELECTRIC APPLIANCE COMPANY, INC., Chicago, Ill.
Filed April 5, 1941. Serial No. 442,314. PUBLISHED JUNE 10, 1941. Class 21.

389,777. PHONOGRAPHS. THEODORE R. GILLENWATERS, Los Angeles, Calif.
Filed April 5, 1941. Serial No. 442,318. PUBLISHED JUNE 10, 1941. Class 36.

389,778. MEDICINAL PREPARATION COMPRISING A FINELY DISPERSED COLLOID OF ALUMINUM HYDROXIDE WITH MINERAL OIL EMULSION, ETC. THE RESERVE RESEARCH COMPANY, Cleveland, Ohio.
Filed April 5, 1941. Serial No. 442,334. PUBLISHED JUNE 10, 1941. Class 6.

389,779. MICE EXTERMINATOR. ROBERT H. HARKINS, doing business as Nott Manufacturing Company, New York, N. Y.
Filed April 7, 1941. Serial No. 442,358. PUBLISHED JUNE 10, 1941. Class 6.

389,780. CIGAR HOLDER. THOMAS R. SCHLITZ, Newark, N. J.
Filed April 7, 1941. Serial No. 442,370. PUBLISHED JUNE 10, 1941. Class 8.

389,781. CONTINUOUS WRITING SHEETS INTERLEAVED WITH CARBON SHEETS FOR USE IN MANIFOLDING REGISTERS, IN TYPEWRITERS, AND IN OTHER MACHINES. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J.
Filed April 8, 1941. Serial No. 442,385. PUBLISHED JUNE 10, 1941. Class 37.

389,782. ELECTRIC VACUUM CLEANERS. THE BLACK AND DECKER MANUFACTURING COMPANY, Towson, Md.
Filed April 8, 1941. Serial No. 442,386. PUBLISHED JUNE 10, 1941. Class 21.

389,783. DECOCTION OF WILLOW AND CHERRY, FOR THE TREATMENT OF DYSENTERY, FLUX, DIARRHEA, COLITIS, AND MINOR STOMACH DISORDERS. CAPITOL MEDICINE COMPANY, Montgomery, Ala.
Filed April 8, 1941. Serial No. 442,387. PUBLISHED JUNE 10, 1941. Class 6.

389,784. PHARMACEUTICAL PREPARATION AS A HYPNOTIC SEDATIVE. AMFRE DRUG CO. INC., New York, N. Y.
Filed April 9, 1941. Serial No. 442,405. PUBLISHED JUNE 10, 1941. Class 6.

389,785. BINDERS, CULTIVATORS, FERTILIZER DISTRIBUTORS, HARROWS, HAYLOADERS, KNIFE GRINDERS, ETC. B. F. AVERY & SONS COMPANY, Louisville, Ky.
Filed April 9, 1941. Serial No. 442,406. PUBLISHED JUNE 10, 1941. Class 23.

389,786. WRITING INK. THE PARKER PEN COMPANY, Janesville, Wis.
Filed April 9, 1941. Serial No. 442,420. PUBLISHED JUNE 17, 1941. Class 11.

389,787. STEEL WOOL. AMERICAN STEEL WOOL MFG. CO. INC., Long Island City, N. Y.
Filed April 10, 1941. Serial No. 442,439. PUBLISHED JUNE 10, 1941. Class 4.

389,788. STEEL WOOL. AMERICAN STEEL WOOL MFG. CO. INC., Long Island City, N. Y.
Filed April 10, 1941. Serial No. 442,440. PUBLISHED JUNE 10, 1941. Class 4.

389,789. WAFFLE LIFTER. SANTIAM MFG. COMPANY, Salem, Oreg.
Filed April 10, 1941. Serial No. 442,465. PUBLISHED JUNE 10, 1941. Class 23.

389,790. SOUND RECORD MAKING AND PLAYING TALKING MACHINES, AND SOUND RECORDS AND BLANKS THEREFOR MADE OF MATERIAL SUSCEPTIBLE TO SOUND TRACK CUTTING OR IMPRESSING. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed April 10, 1941. Serial No. 442,473. PUBLISHED JUNE 10, 1941. Class 36.

389,791. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed April 10, 1941. Serial No. 442,472. PUBLISHED JUNE 10, 1941. Class 21.

389,792. SOUND RECORD MAKING AND PLAYING TALKING MACHINES, AND SOUND RECORDS AND BLANKS THEREFOR MADE OF MATERIAL SUSCEPTIBLE TO SOUND TRACK CUTTING OR IMPRESSING. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed April 10, 1941. Serial No. 442,475. PUBLISHED JUNE 10, 1941. Class 36.

389,793. HOUSECOATS, PYJAMAS, AND NEGLIGEES FOR LADIES AND MISSES. DAVID FRIEDMAN, INC., New York, N. Y.
Filed April 12, 1941. Serial No. 442,525. PUBLISHED JUNE 10, 1941. Class 39.

389,794. FOOD PREPARATION, FOR READY-MIXED BREADING FOR PAN FRYING. MELETIO SEA FOOD CO., St. Louis, Mo.
Filed April 12, 1941. Serial No. 442,535. PUBLISHED JUNE 10, 1941. Class 46.

389,795. OPHTHALMIC MOUNTINGS. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed April 14, 1941. Serial No. 442,545. PUBLISHED JUNE 10, 1941. Class 26.

389,796. BOARD GAME PLAYED WITH MOVABLE PLAYING PIECES. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed April 14, 1941. Serial No. 442,547. PUBLISHED JUNE 10, 1941. Class 22.

389,797. BOARD GAME PLAYED WITH MOVABLE PLAYING PIECES. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed April 14, 1941. Serial No. 442,548. PUBLISHED JUNE 10, 1941. Class 22.

389,798. ICE CREAM. THE KERR ICE CREAM COMPANY, Cincinnati, Ohio, assignor to George P. Gundlach, doing business as Esmond, Gundlach and Company, Cincinnati, Ohio.
Filed April 14, 1941. Serial No. 442,558. PUBLISHED JUNE 10, 1941. Class 46.

389,799. FERRO-ALUMINUM MANGANESE ALLOYS. OHIO FERRO-ALLOYS CORPORATION, Philo, Ohio.
Filed April 15, 1941. Serial No. 442,600. PUBLISHED JUNE 10, 1941. Class 14.

389,800. JEWELERS' INSTRUMENTS — NAMELY, TWEEZERS. HERMAN SCHAFRAN, doing business as Cosmopolitan Watch Material Importing Co., New York, N. Y.
Filed April 15, 1941. Serial No. 442,605. PUBLISHED JUNE 10, 1941. Class 23.

389,801. FILTERING UNIT OR CARTRIDGE FOR AUTOMOBILES OR OTHER INTERNAL COMBUSTION ENGINES. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo.
Filed April 15, 1941. Serial No. 442,616. PUBLISHED JUNE 10, 1941. Class 23.

389,802. LADIES' AND GIRLS' APRONS, SMOCKS, HOUSECOATS, PLAYSUITS, AND DRESSES. LEVIN & Co., New York, N. Y.
Filed April 17, 1941. Serial No. 442,664. PUBLISHED JUNE 10, 1941. Class 39.

389,803. APPARATUS AND EQUIPMENT FOR ENERGIZING A FENCE WIRE ELECTRICALLY. BABSON BROS. CO., Chicago, Ill.
Filed April 18, 1941. Serial No. 442,684. PUBLISHED JUNE 10, 1941. Class 21.

389,804. REEDS AND MOUTHPIECES FOR MUSICAL INSTRUMENTS. MARIO MACCAFERRI, New York, N. Y.
Filed April 18, 1941. Serial No. 442,715. PUBLISHED JUNE 10, 1941. Class 36.

389,805. CARDBOARD, FIBERBOARD, PLYWOOD, AND/OR METAL RUG CONTAINERS. DANIEL ROSENBAUM, Wilmington, Del.
Filed April 18, 1941. Serial No. 442,725. PUBLISHED JUNE 10, 1941. Class 2.

389,806. KNITTED BAGS FOR STORING OR WRAPPING SHOES. TREINIS BROTHERS, INC., Brooklyn, N. Y.
Filed April 18, 1941. Serial No. 442,739. PUBLISHED JUNE 10, 1941. Class 2.

389,807. SAPONACEOUS ADMIXTURE OF HYDROCARBONS FOR THE TREATMENT OF SKIN AILMENTS. EDWARD J. O'REILLY, doing business as Edzone Chemical Co., Robbinsdale, Minn.
Filed April 21, 1941. Serial No. 442,797. PUBLISHED JUNE 3, 1941. Class 6.

389,808. LAXATIVE PREPARATION. PRICE FLAVORING EXTRACT CO., Chicago, Ill.
Filed April 21, 1941. Serial No. 442,800. PUBLISHED JUNE 3, 1941. Class 6.

389,809. PERFUMES. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed April 21, 1941. Serial No. 442,803. PUBLISHED JUNE 3, 1941. Class 6.

389,810. ASBESTOS PACKING FOR STUFFING BOXES. WILLIAM R. C. WINDSOR, doing business as Arcy Mfg. Co., New York, N. Y.
Filed April 21, 1941. Serial No. 442,815. PUBLISHED JUNE 10, 1941. Class 35.

389,811. RUGS. AMSTERDAM TEXTILES, Amsterdam, N. Y.
Filed April 22, 1941. Serial No. 442,819. PUBLISHED JUNE 10, 1941. Class 42.

389,812. RUGS. AMSTERDAM TEXTILES, Amsterdam, N. Y.
Filed April 22, 1941. Serial No. 442,820. PUBLISHED JUNE 10, 1941. Class 42.

389,813. FILING BOXES. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed April 22, 1941. Serial No. 442,830. PUBLISHED JUNE 10, 1941. Class 2.

389,814. CHEMICAL FOR PRESERVATION OF EGGS. ALOIS GRUENFELD, Philadelphia, Pa.
Filed April 22, 1941. Serial No. 442,845. PUBLISHED JUNE 3, 1941. Class 6.

389,815. SHAMPOO. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed April 22, 1941. Serial No. 442,852. PUBLISHED JUNE 10, 1941. Class 6.

389,816. COMPOSITIONS FOR PREVENTING INCRUSTATION AND FOR REMOVING SCALE IN BOILERS, RADIATORS, AND THE LIKE WATER CONTAINERS. FREERS CHEMICAL WORKS, LTD., London, England.
Filed April 23, 1941. Serial No. 442,866. PUBLISHED JUNE 3, 1941. Class 6.

389,817. CELLULOSE FILM, GLASSINE, OR PAPER BAGS, WHICH ARE SOLD IN TRADE EMPTY. ONEIDA PAPER PRODUCTS, INC., New York, N. Y.
Filed April 23, 1941. Serial No. 442,874. PUBLISHED JUNE 10, 1941. Class 2.

389,818. SUN LOTION. L. BAMBERGER & Co., Newark, N. J.
Filed April 24, 1941. Serial No. 442,889. PUBLISHED JUNE 3, 1941. Class 6.

389,819. HAIR TONIC. ANTHONY DI FRANCES, Milwaukee, Wis.
Filed April 25, 1941. Serial No. 442,933. PUBLISHED JUNE 3, 1941. Class 6.

389,820. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed April 25, 1941. Serial No. 442,953. PUBLISHED JUNE 10, 1941. Class 42.

389,821. TOWELS. CHARLES SCHWARTZ & Co., Chicago, Ill.
Filed April 25, 1941. Serial No. 442,980. PUBLISHED JUNE 10, 1941. Class 42.

389,822. COMPOUND USED IN THE FINISHING OF TEXTILE FABRICS OF ALL TYPES AND ALL CLASSES OF FIBRES, AND ALSO FOR USE AS A TYPE OF FINISH FOR AND PROCESSING OF SAID TEXTILE FABRICS BEFORE DYEING AND/OR FINISHING. JACOB BENDIX, New York, N. Y.
Filed April 26, 1941. Serial No. 442,984. PUBLISHED JUNE 3, 1941. Class 6.

389,823. CHEMICAL AGENT FOR INHIBITING, PREVENTING, AND REMOVING DEPOSITS OF ASPHALT, WAX, PARAFFIN, ORGANIC MATERIALS, AND THE LIKE IN OIL WELLS, OIL COLLECTING LINES, TANKS, AND SIMILAR PETROLEUM HANDLING EQUIPMENT. PETROLITE CORPORATION, LTD., St. Louis, Mo.
Filed April 26, 1941. Serial No. 443,013. PUBLISHED JUNE 3, 1941. Class 6.

389,824. LADIES' AND MISSES' HANDBAGS AND POCKETBOOKS. H. A. ADAMS & Co., INC., New York, N. Y.
Filed April 29, 1941. Serial No. 443,063. PUBLISHED JUNE 10, 1941. Class 3.

389,825. SPRING-FILLED UNITS FOR MATTRESSES AND UPHOLSTERY UNITS. NACHMAN SPRINGFILLED CORPORATION, Chicago, Ill.
Filed April 29, 1941. Serial No. 443,089. PUBLISHED JUNE 10, 1941. Class 32.

389,826. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED AND WOVEN UNDERWEAR, INCLUDING TWO PIECE AND UNION SUITS, ETC. THE ALLEN A COMPANY, Bennington, Vt.
Filed April 30, 1941. Serial No. 443,103. PUBLISHED JUNE 3, 1941. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

389,827. (CLASS 48. MALT BEVERAGES AND LIQUORS.) JOHN F. TROMMER, INC., Brooklyn, N. Y. Filed Sept. 16, 1939. Serial No. 423,682.

TROMMER'S *Malt* Beer

The words "Malt Beer" are disclaimed except as shown. The drawing is lined for the color red.
FOR BEER.
Claims use since Feb. 14, 1939.

389,828. (CLASS 17. TOBACCO PRODUCTS.) LARUS & BROTHER COMPANY, INC., Richmond, Va. Filed Nov. 4, 1939. Serial No. 425,246.

CHELSEA

FOR SMOKING AND CHEWING TOBACCO AND CIGARETTES.
Claims use since Oct. 3, 1939.

389,829. (CLASS 2. RECEPTACLES.) ASSOCIATED BOX CORPORATION, Newcastle, Pa. Filed Apr. 11, 1940. Serial No. 430,641.

SEALTITE

FOR CONTAINERS—NAMELY, WOODEN BOXES FOR SHEET METAL PLATE TRANSPORTATION.
Claims use since Apr. 1, 1940.

389,830. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) ROMEYN J. HEALEY, Milwaukee, Wis. Filed Apr. 22, 1940. Serial No. 431,047.

Trucleaner

FOR TOOTH CLEANER AND POLISHER COMPRISING AN ELONGATED PLASTIC HOLDER AND A WOODEN CHISEL-EDGED SCRAPER ELEMENT REMOVABLY HELD THEREIN.
Claims use since Nov. 20, 1938.

389,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE C. M. PITT & SONS CO., Baltimore, Md. Filed May 20, 1940. Serial No. 432,153.

FROZ-N-SUNDAE

FOR CHOCOLATE FLAVORED FUDGE POWDER FOR USE IN MAKING ICE CREAM.
Claims use since May 9, 1940.

389,832. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CALIFORNIA MACHINERY & SUPPLY CO., LTD., Anderson, Ind. Filed May 31, 1940. Serial No. 432,509.

DEFUMER

FOR AUTOMATIC DECELERATING CONTROL DEVICES FOR ATTACHMENT TO CARBURETERS OF INTERNAL COMBUSTION ENGINES.
Claims use since Feb. 1, 1940.

389,833. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE EDWARD KATZINGER COMPANY, Chicago, Ill. Filed June 7, 1940. Serial No. 432,767.

FULL VISION

FOR STIRRING, MIXING, AND BEATING APPARATUS FOR KITCHEN AND TABLE USE.
Claims use since May 10, 1940.

389,834. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TRIPLE "E" PRODUCTS CO., St. Louis, Mo. Filed June 7, 1940. Serial No. 432,794.

ELECTRO-POINTER

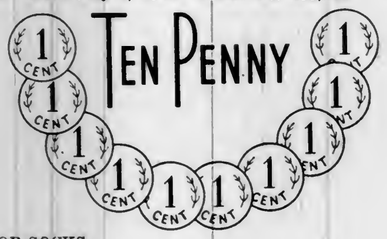
FOR PENCIL SHARPENER.
Claims use since May 21, 1940.

389,835. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REVLON PRODUCTS CORPORATION, New York, N. Y. Filed June 15, 1940. Serial No. 433,074.

NAIL FIX

FOR CHEMICAL ADHESIVE COMPOSITION ADAPTED FOR MENDING BROKEN NAILS.
Claims use since June 5, 1940.

389,836. (CLASS 39. CLOTHING.) HENRY HEFTER, doing business as Campbell Hosiery Shops, Chicago, Ill. Filed July 1, 1940. Serial No. 433,568.



FOR SOCKS.
Claims use since June 21, 1940.

389,837. (CLASS 45. BEVERAGES, NONALCOHOLIC.) NEW YORK EXTRACT CO., INC., Philadelphia, Pa. Filed July 2, 1940. Serial No. 433,621.



FOR NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK.
Claims use since June 21, 1940.

389,838. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EVER-DRY CORPORATION, doing business as Tipstik Cosmetics, Los Angeles, Calif. Filed July 12, 1940. Serial No. 433,892.

RENO RED

FOR LIPSTICKS AND LIP ROUGE.
Claims use since May 3, 1940.

389,839. (CLASS 38. PRINTS AND PUBLICATIONS.) ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill. Filed July 29, 1940. Serial No. 434,466.

FLYING AND POPULAR AVIATION

FOR PERIODICAL.
Claims use since June 12, 1940.

389,840. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL FIRE DOOR AND COPPER STORE FRONT COMPANY, Boston, Mass. Filed Aug. 14, 1940. Serial No. 434,992.

SPLAYLITE

FOR ELECTRIC LIGHTING FIXTURES AND COMPONENT PARTS THEREOF, INCLUDING LAMPS, LAMP SHADES, REFLECTORS, SOCKETS, SWITCHES, BALLASTS, STARTERS, STARTING COMPENSATORS, PLUGS, CORD, AND WIRE.
Claims use since July 21, 1939.

389,841. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) WILLIAMS RADIATOR CO., Los Angeles, Calif. Filed Nov. 16, 1940. Serial No. 437,983.

WAL-FURNACE

FOR GAS SPACE HEATERS.
Claims use since Dec. 1, 1938.

389,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEAT INDUSTRIES LABORATORY, INC., New York, N. Y. Filed Dec. 11, 1940. Serial No. 438,738.

Townsend's Farm Style

FOR PORK SAUSAGE SEASONING MADE OF SPICES AND OTHER INGREDIENTS.
Claims use since January, 1940.

389,843. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FINGER LAKES CHEMICAL COMPANY, INC., Ithaca, N. Y. Filed Dec. 13, 1940. Serial No. 438,796.



FOR DETERGENTS (CLEANING, WATER SOFTENING, ETC.).
Claims use since June 29, 1940.

389,844. (CLASS 31. FILTERS AND REFRIGERATORS.) WINSLOW ENGINEERING CO., Oakland, Calif. Filed June 14, 1941. Serial No. 444,554.

WINSLOW

FOR OIL PURIFIERS, AIR PURIFIERS, OIL CONDITIONERS, OIL FILTERS, AND PARTS THEREOF.
Claims use since 1923.

389,845. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed June 24, 1941. Serial No. 444,798.

LITE-GRANIT

FOR DRY AND READY MIXED PAINTS, PAINT ENAMELS AND LACQUERS.
Claims use since Dec. 21, 1939.

TRADE-MARK REGISTRATIONS RENEWED

143,069. **CELL-U-BASE.** A NON-ABRASIVE ABSORBENT CLEANSING AND POLISHING BASE. Registered May 24, 1921. CELL-U-BASE CORPORATION, as assignee by mesne assignments, of Leland Veranus Slaight. Renewed May 24, 1941, to Cell-u-base Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

144,043. **FURNITURE AGE.** A MONTHLY PERIODICAL. Registered June 21, 1921. THE H. O. RENO COMPANY. Renewed June 21, 1941, to The H. O. Reno Company, Chicago, Ill., a corporation of Illinois, successor.

144,400. **ROCKOTE.** HARDENING LIQUID FOR TREATING CONCRETE FLOORS. Registered July 5, 1921. THE GOHEEN CORPORATION, Wilmington, Del., and Warren, Ohio. Renewed July 5, 1941, to Vita-Var Corporation, Newark, N. J., a corporation of New Jersey, assignee.

144,401. **GOODRICH.** CERTAIN NAMED VALVES, BELTING, HOSE, PACKINGS, TIRES, WASHERS, RELINERS, AND REPAIR-PLUGS. Registered July 5, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed July 5, 1941.

144,402. **ANTHRACITE.** PUMP-VALVES MADE WHOLLY OR PARTLY OF RUBBER. Registered July 5, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed July 5, 1941.

144,479. **REPRESENTATION OF A HOG AND FENCE.** NOSE-RINGS FOR ANIMALS. Registered July 5, 1921. STEWART HOG RING COMPANY, Paris, Ill., a copartnership. Renewed July 5, 1941.

144,499. **WESTERN GLOW.** FRESH DECIDUOUS FRUITS. Registered July 5, 1921. CLAUDIUS C. WOODWORTH, Lodi, Calif. Renewed July 5, 1941.

144,575. **GOODRICH.** BATTERY-JARS MADE OF HARD OR SEMIHARD RUBBER OR HAVING RUBBER INCORPORATED THEREIN. Registered July 12, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed July 12, 1941.

144,742. **BLUE MOON.** CHOCOLATE CANDY. Registered July 19, 1921. DILLING & COMPANY, Indianapolis, Ind. Renewed July 19, 1941, to Blue Moon Foods, Inc., Thorp, Wis., a corporation of Wisconsin, assignee.

144,767. **MOUSSETYNE.** WOOLEN PIECE GOODS. Registered July 19, 1921. FORSTMANN & HUFFMANN COMPANY. Renewed July 19, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

144,777. **STANDARD PAINT OF AMERICA.** DRY. PASTE, AND READY-MIXED PAINTS FOR GENERAL USE. Registered July 19, 1921. THE GOHEEN CORPORATION, Wilmington, Del., and Warren, Ohio. Renewed July 19, 1941, to Vita-Var Corporation, Newark, N. J., a corporation of New Jersey, assignee.

144,781. **SENTRY.** HOSE MADE OF RUBBER REINFORCED WITH FABRIC. Registered July 19, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed July 19, 1941.

144,782. **DIAMOND.** CERTAIN NAMED TIRES, TUBES, PATCHES, SLEEVES, AND RELINERS. Registered July 19, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed July 19, 1941.

144,954. **TITAN CO. A/S.** PAINT-PIGMENTS AND PAINTS CONTAINING TITANIUM OR A COMPOUND THEREOF. Registered July 19, 1921. TITAN CO. A/S., Christiania, Norway. Renewed July 19, 1941, to Titan Co. A/S., Fredrikstad, Norway, an Aktieselskab of Norway.

145,090. **ATLAS.** WALL-BOARD AND BUILDING-PAPER. Registered July 26, 1921. THE EMERSON CAREY FIBRE PRODUCTS COMPANY. Renewed July 26, 1941, to Central Fibre Products Company, Inc., Hutchinson, Kans., a corporation of Delaware, assignee.

145,102. **GOODRICH.** STATIONERS' BANDS MADE PRINCIPALLY OF RUBBER. Registered July 26, 1921. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed July 26, 1941.

145,403. **LINCOLN.** COTTON GOODS IN THE PIECE. Registered August 2, 1921. LONSDALE COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed August 2, 1941.

145,810. **IRONITE.** READY-MIXED PAINTS. Registered August 16, 1921. SEATTLE PAINT COMPANY, Seattle, Wash. Renewed August 16, 1941, to General Paint Corporation, San Francisco, Calif., a corporation of Nevada, successor.

145,851. **ALLIGATOR.** SHINGLES, ROOFING-TILE, ROOFING-SLABS, COMPOSITION ROOFING, AND ROOFING-CEMENT. Registered August 16, 1921. THE VULCANITE ROOFING COMPANY, Wilmington, Del., and Buffalo, N. Y. Renewed August 16, 1941, to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland, assignee.

146,093. **MARLAINE.** WOOLEN PIECE GOODS. Registered August 30, 1921. FORSTMANN & HUFFMANN COMPANY. Renewed August 30, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

146,097. **PANVELAINE.** WOOLEN PIECE GOODS. Registered August 30, 1921. FORSTMANN & HUFFMANN COMPANY. Renewed August 30, 1941, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey, assignee by mesne assignments.

146,686. **BEAVER.** MIXED PAINTS IN OIL, ENAMELS, VARNISHES, WATERPROOF COATINGS, JAPANS, STAINS, LACQUERS, FILLERS. Registered September 20, 1921. THE BEAVER VARNISH CO., INC., Buffalo, N. Y. Renewed September 20, 1941, to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland, assignee by mesne assignments.

146,767. **GEORGE "BABE" RUTH.** BASEBALL-BATS. Registered September 20, 1921. HILLERICH & BRADSBY COMPANY, INC., Louisville, Ky., a corporation of Kentucky. Renewed September 20, 1941.

147,022. **SOCIETÉ.** FACE-POWDERS, FACE-CREAMS, FACE-POWDER COMPACTS, AND PERFUMES. Registered September 27, 1921. JUSTO J. RODRIGUEZ, Scranton, Pa. Renewed September 27, 1941, to Max Factor & Co., Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments.

147,103. **IXL.** TWINE AND CORDAGE. Registered October 4, 1921. THE M. J. GRADY COMPANY, INCORPORATED. Renewed October 4, 1941, to The Grady-Travers Company, Incorporated, New York, N. Y., a corporation of New York, assignee.

147,761. **CHAMPION.** DAIRY, STOCK, AND POULTRY MIXED FEEDS. Registered November 1, 1921. CHAMPION MILLING & GRAIN COMPANY, Clinton, Iowa, a corporation of Iowa. Renewed November 1, 1941.

148,027. **ALLWEATHER.** HAND-OPERATED, PORTABLE, OR STATIONARY FIRE-EXTINGUISHERS. Registered November 8, 1921. FOAMITE FIREFOAM COMPANY, New York, N. Y. Renewed November 8, 1941, to American-LaFrance-Foamite Corporation, Elmira, N. Y., a corporation of New York, assignee by mesne assignments.

148,030. **FIDELITY.** FRESH CITRUS FRUITS. Registered November 8, 1921. CHESTER C. FOSGATE CO., Orlando, Fla., a corporation of Florida. Renewed November 8, 1941.

148,053. **THERMOKOTE.** READY-MIXED PAINT FOR HOT SURFACES. Registered November 8, 1921. THE GOHEEN CORPORATION, Wilmington, Del., and New York, N. Y. Renewed November 8, 1941, to Vita-Var Corporation, Newark, N. J., a corporation of New Jersey, assignee.

148,144. **ZODIAC.** COTTON GOODS IN THE PIECE. Registered November 8, 1921. LONSDALE COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed November 8, 1941.

148,305. **LUSTRO.** PRINTING-PAPER. Registered November 8, 1921. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed November 8, 1941.

148,635. **ALEMITE.** CERTAIN LUBRICATING APPARATUS. Registered November 22, 1921. THE BASSICK MANUFACTURING CO. Renewed November 22, 1941, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia, assignee.

148,650. **ALLWEATHER.** FIRE-EXTINGUISHING COMPOUNDS. Registered November 22, 1921. FOAMITE FIREFOAM COMPANY, New York, N. Y. Renewed November 22, 1941, to American-LaFrance-Foamite Corporation, Elmira, N. Y., a corporation of New York, assignee by mesne assignments.

148,715. **TRIPLE XXX.** ROOT-BEER. Registered November 22, 1921. SOUTHERN BEVERAGE COMPANY. Renewed November 22, 1941, to Galveston-Houston Breweries, Inc., Galveston, Tex., a corporation of Texas, assignee by mesne assignments.

148,783. **REPRESENTATION OF A BULL DOG.** DENTAL RUBBER, DENTAL DAM, BULBS FOR DENTAL USE, AND PLASTER-BOWLS. Registered November 29, 1921. ATLANTIC RUBBER MANUFACTURING CORPORATION, New York, N. Y., a corporation of New York. Renewed November 29, 1941.

148,954. **UNIVERSAL.** TOBACCO-WORKING MACHINERY. Registered November 29, 1921. UNIVERSAL TOBACCO MACHINE CO., New York, N. Y. Renewed November 29, 1941, to International Cigar Machinery Company, Jersey City, N. J., a corporation of New Jersey, assignee by mesne assignments.

149,062. **REPRESENTATION OF A CROWN.** COLD-ROLLED HORSESHOE-NAILS. Registered December 6, 1921. THE FOWLER & UNION HORSE NAIL COMPANY, as assignee of The Fowler Nail Co., Seymour, Conn. Renewed December 6, 1941, to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut, assignee.

149,063. **CROWN.** COLD-ROLLED HORSESHOE-NAILS. Registered December 6, 1921. THE FOWLER & UNION HORSE NAIL COMPANY, as assignee of The Fowler Nail Co., Seymour, Conn. Renewed December 6, 1941, to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut, assignee.

149,067. **GYCO.** DYESTUFFS. Registered December 6, 1921. GEIGY COMPANY, INC., New York, N. Y., a corporation of New York. Renewed December 6, 1941.

149,119. **HEARST'S INTERNATIONAL.** A MONTHLY MAGAZINE. Registered December 6, 1921. INTERNATIONAL MAGAZINE COMPANY. Renewed December 6, 1941, to Hearst Magazines Inc., New York, N. Y., a corporation of Delaware, by merger.

149,210. **DOUGH BUILDER.** WHEAT-FLOUR. Registered December 6, 1921. THE RED STAR MILLING COMPANY, Wichita, Kans. Renewed December 6, 1941, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

149,293. **CATO.** COTTON PIECE GOODS—NAMELY, BLEACHED AND BROWN COTTONS. Registered December 6, 1921. WILLIAMS-RICHARDSON COMPANY, LTD., New Orleans, La., a corporation of Louisiana. Renewed December 6, 1941.

149,336. **A-F.** CERTAIN CONVEYORS AND CONVEYING MACHINERY AND PARTS THEREOF. Registered December 13, 1921. THE ALVEY-FERGUSON COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed December 13, 1941.

149,393. **WESTERN SCOUT.** WHEAT-FLOUR. Registered December 13, 1921. GREAT WEST MILL & ELEVATOR CO., Amarillo, Tex. Renewed December 13, 1941, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

149,409. **KENWOOD.** CERTAIN NAMED RUGS, BLANKETS, COUCH- AND BED COVERS, AND AUTO- AND PERAMBULATOR ROBES. Registered December 13, 1921. F. C. HUYCK & SONS, Albany, N. Y. Renewed December 13, 1941, to F. C. Huyck & Sons, Rensselaer and Albany, N. Y., a corporation of New York.

149,451. **HOLIDAY.** WHEAT-FLOUR AND SELF-RISING WHEAT-FLOUR. Registered December 13, 1921. MAYFLOWER MILLS, Fort Wayne, Ind., a corporation of Indiana. Renewed December 13, 1941.

149,532. **HUMICO.** FERTILIZERS. Registered December 13, 1921. U. S. INDUSTRIAL CHEMICAL CO., Baltimore, Md. Renewed December 13, 1941, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee.

149,645. **REPRESENTATION OF FOUR GREEN HOOPS ON A BARREL.** HORSESHOES AND HORSESHOE-CALKS. Registered December 20, 1921. BRYDEN HORSE SHOE CO., Catasauqua, Pa. Renewed December 20, 1941, to Phoenix Manufacturing Company, Joliet, Ill., a corporation of Illinois, assignee.

149,683. **CASEC.** A PREPARATION OF THE CASEIN OF MILK USED TO INCREASE THE PROTEIN OF DIETS. Registered December 20, 1921. MEAD JOHNSON & COMPANY, Evansville, Ind., a corporation of Indiana. Renewed December 20, 1941.

149,707. **ROYAL LUNCH.** BISCUIT, CRACKERS, AND CAKE. Registered December 20, 1921. NATIONAL BISCUIT COMPANY, New York, N. Y., a corporation of New Jersey. Renewed December 20, 1941.

149,846. **CHARM.** HAIR-NETS. Registered December 27, 1921. S. BLECHMAN & SONS, INC., New York, N. Y., a corporation of New York. Renewed December 27, 1941.

149,877. **IPECOPAN.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered December 27, 1921. CHEMISCHE FABRIK VORMALS SANDOZ, Basel, Switzerland. Renewed December 27, 1941, to Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York, assignee.

149,936. **"LINO".** DESKS. Registered December 27, 1921. THE GUNN FURNITURE COMPANY. Renewed December 27, 1941, to The Gunn Furniture Company, Grand Rapids, Mich., a corporation of Michigan, assignee.

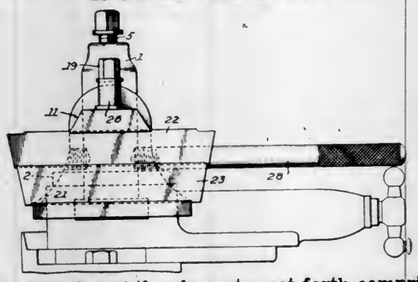
149,954. **KENWOOD.** WOOLEN PIECE GOODS, SUITINGS, AND OVERCOATING, OF TEXTILE RABRIC, Registered December 27, 1921. F. C. HUYCK & SONS, Albany, N. Y. Renewed December 27, 1941, to F. C. Huyck & Sons, Rensselaer and Albany, N. Y., a corporation of New York.

150,148. **U. S. I.** ETHYL ALCOHOL. Registered December 27, 1921. U. S. INDUSTRIAL ALCOHOL CO. Renewed December 27, 1941, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee.

150,173. **COLUMBIA.** INDEX AND BRISTOL BOARDS. Registered December 27, 1921. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed December 27, 1941.

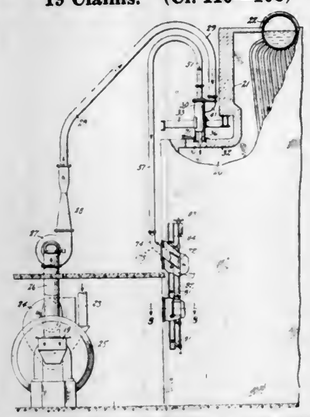
150,178. **TAROLEUM.** A SHAMPOO. Registered December 27, 1921. WILDROOT CO. INC., Buffalo, N. Y., a corporation of New York. Renewed December 27, 1941.

21,877
TOOL HOLDER
David S. Anthony, San Antonio, Tex.
Original No. 2,149,038, dated February 28, 1939, Serial No. 146,071, June 2, 1937. Application for reissue July 15, 1940, Serial No. 345,679
19 Claims. (Cl. 29—99)



1. A device of the character set forth comprising a tool holder, a cutting tool mounted on said holder, a support mounted on said holder and supporting the tool substantially the full length thereof, a trunnion formed on said holder and having a screw threaded opening, a pair of elements having wedge-engaging faces and engaging the trunnion, a mounting having a chamber receiving said trunnion and elements, a wedge contacting the wedge engaging faces for forcing said elements against the walls of the chamber, and a set bolt threaded in said opening and bearing against the wedge.

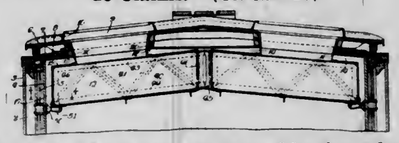
21,878
METHOD AND APPARATUS FOR COMBUSTION
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Original No. 2,118,600, dated May 24, 1938, Serial No. 2,622, January 21, 1935. Application for reissue February 10, 1940, Serial No. 318,378
19 Claims. (Cl. 110—106)



6. Apparatus for producing combustion of fuel in a furnace comprising a burner, means for supplying fuel suspended in a stream of air to the burner, means for withdrawing part of the air from said stream to thereby enrich the remaining fuel and air mixture, means for delivering the enriched mixture to the furnace for combustion through one wall of the furnace, and means for delivering the air withdrawn from the stream to the furnace outside of and below the ignition section of the furnace through another wall thereof to rejoin the burning enriched mixture.

10. The method of producing combustion of fuels which comprises entraining the fuel in a stream of air, separating part of the air from said stream thereby enriching the remaining fuel and air mixture, delivering the enriched mixture to the upper portion of a furnace for combustion in an ignition zone and delivering the separated air to a lower portion of the furnace outside said ignition zone to rejoin the burning enriched mixture.

21,879
REFRIGERATOR CAR
Garth G. Gilpin, Riverside, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware
Original No. 2,207,678, dated July 9, 1940, Serial No. 168,611, October 12, 1937. Application for reissue January 22, 1941, Serial No. 375,481
16 Claims. (Cl. 62—17)

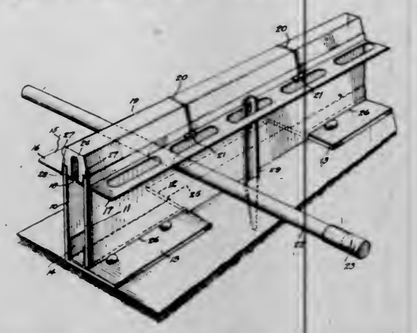


1. In a refrigerator car, a roof having a hatchway therein, a frame surrounding said hatchway with a space around the lower part of the frame, a hatch lid hinged at one side of the hatchway, a refrigerant container below said frame and spaced therefrom to provide a space therebetween, said container having an opening in the upper wall thereof surrounded on three sides by an upwardly projecting flange fitting in said space in overlapping relation with the hatch frame for the purpose specified and whereby the refrigerant container may be removed and replaced without disturbing the roof, and an apron hinged to the lid and arranged to close the space between the container and the hatch frame when the lid is in closed position and to open the space between the container and the hatch frame when the lid is in open position.

21,880
ROAD JOINT
James H. Jacobson, Evanston, Ill., assignor to Cal C. Chambers and Robert S. Bradshaw, Jr., St. Louis, Mo., as joint tenants
Original No. 2,138,817, dated December 6, 1938, Serial No. 706,081, January 10, 1934. Application for reissue May 17, 1940, Serial No. 335,834
21 Claims. (Cl. 94—18)

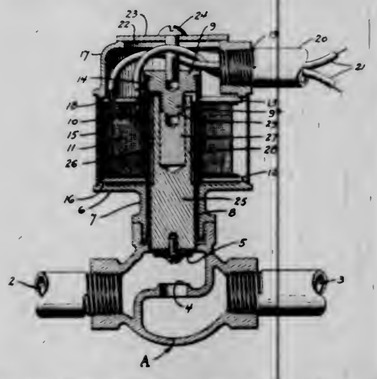
1. An expansion joint for concrete roads and the like adapted to close the space between adjacent slab sections and comprising the combination of a stool and a seal capping an edge thereof with means for transmitting the applied load

from one section to the next adjoining, the stool consisting of a pair of spaced members each having a wall abutting the ends of their respective slab sections, and each having a plurality of longitudinally spaced feet, the feet of one member being located in the space between the feet of the



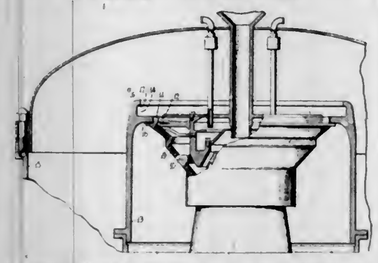
other member and said feet extending under and forming a bearing for the oppositely disposed member, and a member penetrating said slab sections and extending across the space between said sections and having bearing in each of said walls of the stool.

21,881
SOLENOID CONSTRUCTION
William A. Ray, Glendale, and Charles R. Ray, San Francisco, Calif., assignors to General Controls Co., a corporation of California
Original No. 2,096,763, dated October 26, 1937, Serial No. 635,886, October 3, 1932. Application for reissue October 28, 1938, Serial No. 237,489
8 Claims. (Cl. 175—341)



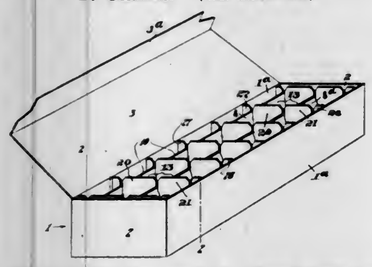
7. In an alternating current solenoid, an electro-magnetic coil, a sleeve extending substantially entirely through said coil, a magnetic member supported by the aid of the sleeve adjacent one end of the sleeve, and extending inwardly of the sleeve as well as inwardly of said coil, and terminating near the said end of the sleeve, a core member movable in said sleeve and extending inwardly of the other end of the sleeve for cooperation with said magnetic member, said magnetic member and the core member having cooperating curved surfaces for restraining relative movement between said members when the electromagnetic coil is energized, and a shading coil carried by one of the said members and within said sleeve, said shading coil being in the form of a closed single turn of uniform section transverse to its axis, and so arranged that at least a portion of the magnetic material of that member which carries the shading coil, encircles said turn substantially entirely, said shading coil turn being non-intersecting with any portion of the cooperating curved surfaces.

21,882
CENTRIFUGAL SEPARATOR
Laurence Price Sharples, Ardmore, Pa., assignor to The Sharples Corporation, a corporation of Delaware
Original No. 2,147,414, dated February 14, 1939, Serial No. 65,544, February 25, 1936. Application for reissue July 28, 1939, Serial No. 287,070
9 Claims. (Cl. 210—73)



1. A centrifugal separator comprising a centrifugal rotor adapted to effect dehydration of solids and radial discharge of such solids from the rotor in a substantially horizontal plane under the influence of centrifugal force during the rotation thereof, and a solids receiving member having a concentric wall surrounding the solids discharging surface of the rotor over which wall solids are adapted to be discharged, said wall extending upwardly from the plane of the rotor discharge and substantially at right angles thereto and having a radius of curvature at all solids receiving points thereof which is but slightly larger than the radius of curvature of the solids discharging surface of the rotor, and being of sufficiently small height to permit the discharge of solids upwardly thereover.

21,883
FILLER FOR CARTONS OR OTHER CONTAINERS
Francis H. Sherman, Palmer, Mass., assignor, by mesne assignments, to Leon Benoit, New York, N. Y.
Original No. 1,741,741, dated December 31, 1929, Serial No. 391,852, September 11, 1929. Application for reissue February 1, 1941, Serial No. 377,065
17 Claims. (Cl. 229—28)



1. Means for forming a plural-row cellular filler having closed-bottom cells, comprising a plurality of separately formed members which are laterally separable for collapsing the filler, each of said members including parallel hinged strips cooperating with the strips of the other member when the filler is set up to form the side and bottom walls of two rows of cells, and a plurality of cross-pieces to form transverse partitions for the cells substantially perpendicular to said members, said cross-pieces having slot formations extending down from their upper edges to receive the side wall strips of said members, the bottom wall strips of the latter being slotted in line with each cross-piece for the projection of the latter therethrough.

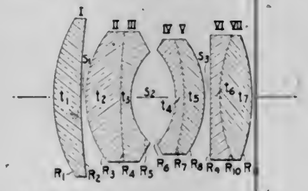
PATENTS

GRANTED AUGUST 19, 1941

2,252,681
HIGH APERTURE OBJECTIVE

George H. Aklin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 17, 1940, Serial No. 335,782
7 Claims. (Cl. 88—57)



F = 100 mm f/1.9

LENS	GLASS		RADII	SPACINGS
I	No 1.573	57.4	R_1 = +60.2 mm	t_1 = 11.3 mm
			R_2 = +379.2	S_1 = 1.9
II	1.611	57.2	R_3 = +42.0	t_2 = 13.9
III	1.605	38.2	R_4 = +2140	t_3 = 3.7
			R_5 = +24.9	S_2 = 17.8
IV	1.689	30.9	R_6 = −27.4	t_4 = 3.7
V	1.744	45.8	R_7 = −73.1	t_5 = 7.9
			R_8 = −37.8	S_3 = 1.9
VI	1.689	30.9	R_9 = ∞	t_6 = 3.8
VII	1.744	45.8	R_{10} = +60.8	t_7 = 12.8
			R_{11} = −68.3	

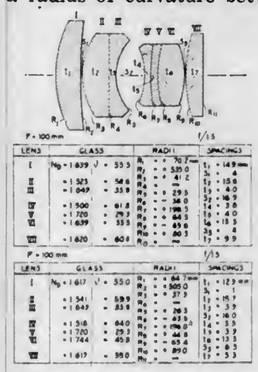
1. A photographic objective of the type having four components separated by air and axially spaced of which the two outer ones are positive and the two inner ones are menisci highly concave toward a diaphragm therebetween, characterized by the third component immediately behind the diaphragm being a doublet with its cemented surface concave to the diaphragm and having a radius of curvature between −.5F and −5F where F is the focal length of the objective, the front element of the doublet being negative and having an index of refraction greater than 1.60, the rear element of the doublet being positive and having an index of refraction at least .04 greater than that of said front element and the axial thickness of the doublet being less than .15F.

2,252,682
PHOTOGRAPHIC OBJECTIVE

George H. Aklin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 17, 1940, Serial No. 335,784
7 Claims. (Cl. 88—57)

1. A photographic objective of the type having four components separated by air and axially aligned of which the two outer components are positive and the two inner ones are highly meniscus concave toward a diaphragm therebetween characterized by the inner component immediately behind the diaphragm consisting of three cemented elements, the surface adjacent to the diaphragm being concave to the diaphragm and having a negative radius of curvature between .3F and .5F where F is the focal length of the objective, the next and cemented surface being convex toward the diaphragm and having a radius of curvature between .5F and infinity, the third and cemented surface being convex toward the diaphragm and having a radius of curvature between .3F and 3F and the rear surface of said component being concave toward the diaphragm and having a radius of curvature between .25F



F = 100 mm f/15

LENS	GLASS		RADII	SPACINGS
I	N_D = 1.639	ν = 55.5	R_1 = +70.2 mm	t_1 = 14.9 mm
			R_2 = +539.0	S_1 = 1.6
II	= 1.523	= 58.6	R_3 = +41.6	t_2 = 15.8
III	= 1.649	= 33.8	R_4 = ∞	S_2 = 4.0
			R_5 = +29.5	t_3 = 14.7
IV	= 1.500	= 81.8	R_6 = −84.0	S_3 = 3.8
V	= 1.720	= 29.3	R_7 = +186.3	t_4 = 4.0
VI	= 1.639	= 55.5	R_8 = −64.3	t_5 = 15.3
			R_9 = −45.6	S_4 = 1.6
VII	= 1.620	= 60.6	R_{10} = ∞	t_6 = 9.9

F = 100 mm f/15

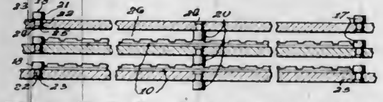
LENS	GLASS		RADII	SPACINGS
I	N_D = 1.617	ν = 55.0	R_1 = +64.7 mm	t_1 = 12.2 mm
			R_2 = +650.0	S_1 = 1
II	= 1.541	= 59.9	R_3 = +37.3	t_2 = 15.7
III	= 1.649	= 33.8	R_4 = ∞	S_2 = 3.9
			R_5 = +28.3	t_3 = 16.0
IV	= 1.516	= 64.0	R_6 = −84.0	S_3 = 3.9
V	= 1.720	= 29.3	R_7 = +186.3	t_4 = 3.9
VI	= 1.744	= 45.8	R_8 = −64.3	t_5 = 13.3
			R_9 = −45.6	S_4 = 1.6
VII	= 1.617	= 55.0	R_{10} = ∞	t_6 = 8.3
			R_{11} = −68.0	t_7 = 5.3

and .75F, the index of refraction of the middle element of the three said elements being at least .15 greater than that of the element adjacent the diaphragm.

2,252,683
METHOD OF FORM SETTING ABRASIVE DISKS

Frank Osbern Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa

Application April 29, 1939, Serial No. 270,755
5 Claims. (Cl. 51—293)



1. The method of making abrasive disks which comprises impregnating and coating a fiber board disk with a phenolic resin compound, said coating being in a tacky condition, applying abrasive particles to said coating, and thereafter form-setting the abrasive disk by holding it in substantially flat condition while the phenolic condensation compound is set by the application of heat, the heat being applied at a moderate rate for a predetermined period of time for the preliminary removal of the solvent, and thereafter heat being applied at a higher temperature to effect a setting of the resin.

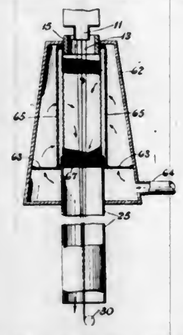
2,252,684
APPARATUS FOR THE PRODUCTION OF ARTIFICIAL STRUCTURES

Dale Friend Babcock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application November 1, 1938, Serial No. 238,211
1 Claim. (Cl. 18—8)

In an apparatus for the spinning of molten organic filament-forming compositions, means for forming a spun structure from said molten compositions, a chamber adjacent said means through which said spun structure is passed, a plurality of concentric cylindrical screens in said

chamber adjacent said means for forming the spun structure, and means for forcing a gaseous cooling medium through said cylindrical

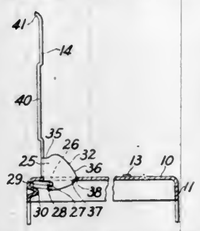


screens and through said cooling and solidification chamber in a direction co-current with the passage of said structure.

2,252,685
FILM SPLICING APPARATUS

David L. Babcock, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 2, 1938, Serial No. 243,605
5 Claims. (Cl. 154—42)



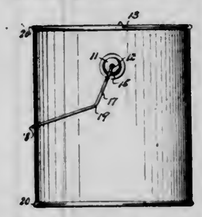
2. A film splicing block comprising a base plate plate having a turned down edge, and provided with a pair of spaced elongated slots adjacent said turned down edge and extending away therefrom, means on said base plate for engaging and positioning a film strip for operations necessary to splicing, a clamp member, a pair of spaced ears depending downwardly from one end of said clamp member, and each one thereof extending through one of said spaced elongated slots, each of said ears provided with a pintle recess located below said base plate, and a double ended spring member having its intermediate portion engaging that portion of said turned down edge between said slots, and its ends turned outwardly to engage said pintle recesses in said ears to provide pintle bearings for said clamp, whereby said spring member tends to force said ears into abutment with one end of said slots.

2,252,686
PAIL BAIL

Alvin B. Baisden and William A. Lentz, Belleville, N. J.

Application June 28, 1938, Serial No. 216,245
2 Claims. (Cl. 220—95)

1. In combination with a cylindrical pail or like body having bail pivoting means affixed to opposite sides thereof in downwardly spaced relation to its top end, a bail consisting in an integral formation comprising an arcuate main portion the curvature of which is of a radius substantially corresponding to the radius of the curvature of said cylindrical pail body, the extremities of said main portion terminating in straight leg portions extending in a plane obtusely angular to the plane of said main portion,

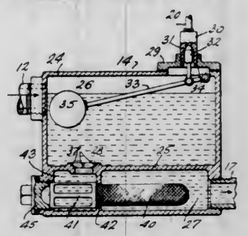


said straight leg portions being of lengths substantially corresponding to the distance by which said bail pivoting means are spaced from the top end of said pail body, and means at the free ends of said leg portions to operatively engage said pivoting means.

2,252,687
GAS AND LIQUID SEPARATING DEVICE

Robert S. Bassett, Buffalo, N. Y., assignor to Sylvia Bassett, Buffalo, N. Y.

Application August 26, 1939, Serial No. 292,084
1 Claim. (Cl. 183—2.5)



A gas and liquid separating device including a housing having a substantially horizontal partition therein dividing said housing into an upper separating chamber and a lower chamber, a gas vent valve in the upper portion of said separating chamber, and a liquid discharge port in said partition, a float in said separating chamber which controls said gas vent valve to open the same when the level of liquid in said chamber is low and which blocks the flow of liquid through said discharge port when the level of said liquid in said chamber is low, a strainer arranged in said lower chamber and through which liquid passing out of said discharge port must flow, said lower chamber having an aperture therein, a plug closing said aperture, said strainer being formed to be removable through said aperture when said plug is removed.

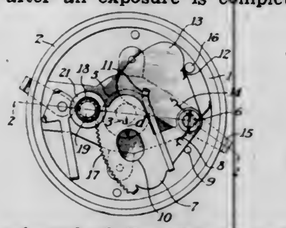
2,252,688
CAMERA SHUTTER

Maurice G. Blank, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 25, 1940, Serial No. 331,634
4 Claims. (Cl. 95—60)

1. A camera shutter of the type including a casing, movable mechanism inside of the casing for making an exposure, and means for controlling the speed of an exposure including a pinion and flywheel, having in combination, a spring frictional connection between the said flywheel

and pinion, whereby said flywheel, by continuing to rotate after an exposure is completed, may



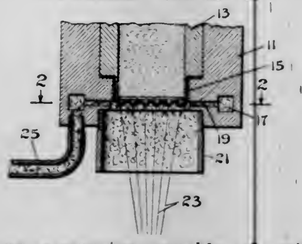
eliminate rebound of the exposure mechanism suddenly coming to rest.

2,252,689

PRODUCTION OF FILAMENTS, RIBBONS, AND THE LIKE

William Henry Bradshaw, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application March 10, 1938, Serial No. 195,042
12 Claims. (Cl. 18—8)



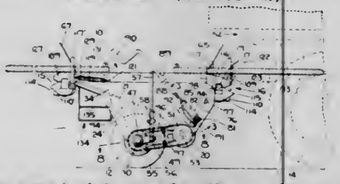
1. In an apparatus capable of spinning a molten organic filament-forming composition substantially without flicking, a spinneret, a lubricating composition on the external face of said spinneret, an annular shield surrounding the external face of said spinneret, and a plurality of conduit means substantially in the plane of the external face of the spinneret for introducing an inert substantially molecular oxygen-free gas adjacent to the external face of said spinneret.

2,252,690

MATERIAL SPREADER

Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio

Application March 19, 1937, Serial No. 131,837
6 Claims. (Cl. 275—2)



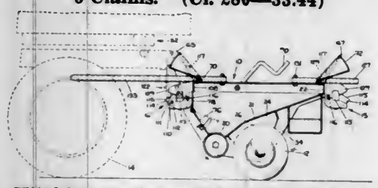
1. In a material spreader, the combination with a hopper, of spaced-apart wheels for supporting said hopper, a feed roll for a discharge opening in the bottom of said hopper, separate driving mechanisms connected between said wheels and said feed roll and comprising reversely arranged clutches, and lever operated devices one associated with each clutch for applying and releasing the same, only one of said clutches being effective when the hopper travels either forwardly or rearwardly.

2,252,691

MATERIAL SPREADER

Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio

Original application March 19, 1937, Serial No. 131,837. Divided and this application September 22, 1937, Serial No. 165,064
6 Claims. (Cl. 280—33.44)



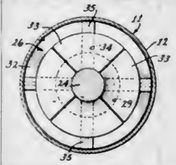
1. Hitching mechanism for connecting a material spreader to a hauling vehicle, the combination with a horizontal drawbar, of mechanism for securing such drawbar to the rear end of the hauling vehicle, coupling devices adapted to be secured to the front side of the spreader in spaced-apart relation in position to receive said drawbar, said coupling devices each comprising a hooked jaw and a straight jaw fixed to the spreader in vertically spaced-apart relation and closely associated with a hooked latch member mounted on a rock shaft positioned to enable the latch members to engage said drawbar and co-operate with the said jaws to hitch the spreader to the hauling vehicle, an extension from said rock shaft journaled to one of the lateral ends of the spreader, resilient means connected to such extension for applying the latch members to the drawbar and a handle at such lateral end of the spreader and connected to said shaft to rock the same to effect release of said hooked latch members from said drawbar.

2,252,692

MEANS FOR APPLYING EXPANSIBLE COLLARS

Byron H. Barnes, San Marino, and Burt S. Minor, Whittier, Calif., assignors to Bettis Rubber Co. Ltd., Los Angeles, Calif., a corporation of California

Application February 1, 1939, Serial No. 254,026
13 Claims. (Cl. 29—88.2)



2. A piston comprising: an annular member; a tubular member mounted on said annular member and having a closed end; and a plurality of radially slidable collar engaging members mounted on said annular member at the side opposite said tubular member.

2,252,693

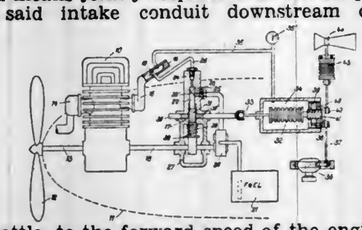
CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINES

Ewald Becker, Berlin-Steglitz, Germany

Application August 17, 1937, Serial No. 159,598
In Germany August 17, 1936
12 Claims. (Cl. 123—140)

12. A fuel supply system for an internal combustion engine for use on aircraft, said engine having an air intake conduit and a throttle

therein, comprising a variable delivery pump connected to supply fuel into said intake conduit; and means jointly responsive to the air pressure in said intake conduit downstream of said



throttle, to the forward speed of the engine and to the inclination of the engine with respect to the horizontal for adjusting said variable delivery pump.

2,252,694

ELECTRIC DISCHARGE ELECTRODE

Willard H. Bennett, Newark, Ohio, assignor to Electronic Research Corporation, Newark, Ohio, a corporation of Ohio

Application June 17, 1939, Serial No. 279,769
16 Claims. (Cl. 230—69)



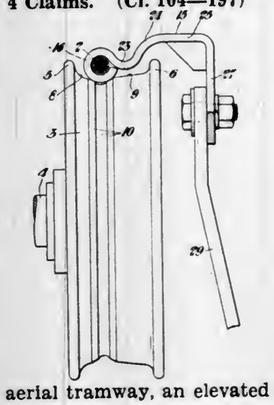
1. An electric discharge high potential electrode including a high potential bus, a sheath of insulation material partially surrounding said bus and open at one side thereof, a mass of semi-conducting material surrounding said sheath, emitters carried by said mass of semi-conducting material, and a conductive leak path extending from said mass of semi-conducting material through the said open side of said sheath to said bus.

2,252,695

SUPPORTING MEANS FOR AERIAL TRAMWAYS

Anton Bergwall, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application February 15, 1940, Serial No. 319,117
4 Claims. (Cl. 104—197)



1. In an aerial tramway, an elevated traveling cable and a pulley therefor comprising spaced side flanges, a cable-receiving groove offset from the mid-portion of said pulley, and a concavely flared portion connecting the adjacent edge of said recess with the most adjacent side flange, the other edge of said cable-receiving groove being connected with the other side flange of the pulley by an outwardly tapering frusto-conical portion of materially greater length than that of the flared portion aforesaid.

2,252,696

METHOD OF PREPARING DIETHYLSTILBESTROL AND OTHER STILBENE DERIVATIVES, AND INTERMEDIATES THEREFOR

William Braker, Brooklyn, Morris A. Dolliver, Jackson Heights, Edward Pribyl, Long Island City, and Franklin A. Smith, Brooklyn, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application May 26, 1939, Serial No. 275,794
10 Claims. (Cl. 260—613)

1. The method of preparing a compound of the general formula HO—C_6H_4—C(lower-alkyl)=C(lower-alkyl)—C_6H_4—OH which comprises reacting a compound of the general formula (lower-alkyl)—O—C_6H_4—CH_2—CO—C_6H_4—O—(lower-alkyl) with an alkali-metal hydroxide and a lower-alkyl halide, reacting the resulting monoalkylated compound with a lower-alkyl magnesium halide and hydrolyzing the reaction product, reacting the resulting di-alkylated carbinol with a phosphorus trihalide, reacting the resulting dehydration product with a Grignard reagent of the group consisting of CH_3MgI, C_6H_5MgBr, and C_2H_5MgI, and hydrolyzing the reaction product.

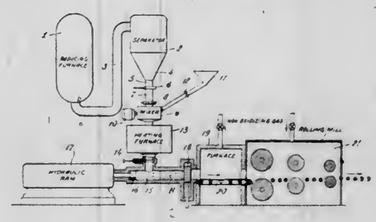
10. A compound having the structural formula CH_3O-p-phenylene-C(X)(OH)—C(X)(C_2H_5)-p-phenylene-OCH_3 wherein one X is H and the other C_2H_5, melting at about 85° C.

2,252,697

MANUFACTURE OF METAL PRODUCTS

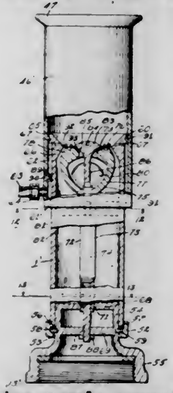
Herman A. Brassert, New York, N. Y., assignor to Minerals and Metals Corporation, New York, N. Y., a corporation of Delaware

Application February 1, 1940, Serial No. 316,717
7 Claims. (Cl. 75—22)



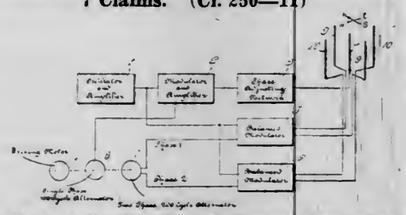
1. The method of forming metal products, which comprises the steps of reducing ore in a reducing zone without melting, compressing the reduced ore in finely-divided form into a self-contained mass while it retains at least part of the heat of the reducing step, further heating the mass to the welding point to weld the reduced ore particles together, maintaining said reduced ore under non-oxidizing conditions during and between said steps and then deforming the mass while so heated, the said several steps being immediately successive in a continuous process.

2,252,698
UNIVERSAL NOZZLE
Leslie M. Button and Horace W. Dawson, Fort Lewis, Wash.
Application October 20, 1939, Serial No. 300,374
13 Claims. (Cl. 299—140)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



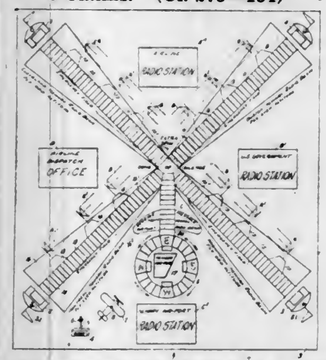
4. A vaporizing nozzle comprising a tubular coupling member, a divider member secured by one end to the coupling member, a body member rotatably mounted on said coupling member and having an inwardly extending beveled surface therein adjacent to the discharge end thereof, a valve member adjustably mounted on said coupling member and adapted to be rotated by and to move on said body member to adjust said valve member on said coupling member relative to said body member, an inwardly curved hollow bulbular portion provided on said valve member, said bulbular portion including passages formed therein and having an inwardly extending beveled portion on its outer surface and an outwardly extending beveled portion on its inner surface, said inwardly extending beveled portion arranged to coact with the inwardly extending beveled surface of said body member to direct fluid flowing therethrough in an inwardly directed annular stream, said divider member including a head having a surface portion arranged to coact with said outwardly extending beveled portion on the bulbular portion of said valve so as to direct a stream issuing from the bulbular portion across the inwardly directed stream.

2,252,699
AZIMUTH RADIO BEACON SYSTEM
John F. Byrne, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application July 30, 1938, Serial No. 222,267
7 Claims. (Cl. 250—11)



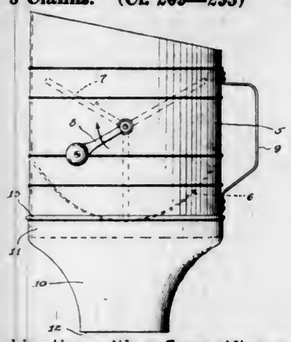
5. In a radio direction finding system wherein the space phase relation of component modulations of the same radio frequency carrier current is indicative of direction, separate sources of modulation energy of different frequencies, means for maintaining a fixed phase relation between said modulations at said sources, selective means at the receiver for separating said modulations by virtue of said different frequencies, and means for equalizing said frequencies at the receiver for phase comparison purposes.

2,252,700
AIRLINE RADIO BEAM GAME
Frederick D. Clarke, Manhasset, N. Y.
Application November 22, 1937, Serial No. 175,750
3 Claims. (Cl. 273—134)



1. In an amusement device, a plurality of major straight playing courses extending radially inwardly to a common central space and each of said courses being divided into playing spaces, and a separate terminal course having a straight portion and a final portion defining a closed continuous path and enclosing a winning space, both of said portions being divided into playing spaces, said straight portion extending outwardly from said central space and having its outermost playing space in common with a playing space of said closed continuous path portion.

2,252,701
FLOUR SIFTER COMBINATION
Lloyd G. Copeman, Flint, Mich.
Application July 17, 1939, Serial No. 284,843
3 Claims. (Cl. 209—255)

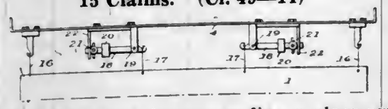


1. In combination with a flour sifter comprising an open ended casing, a sifting screen spaced from the bottom thereof, a directing device to be used therewith comprising a tubular section of flexible material having one end adapted to telescope over and resiliently engage the discharge end of the flour sifter casing, and the other end formed smaller and adapted to serve as a discharge opening, said flexible material being sufficiently resilient that it will fold into the lower end of said sifter when the sifter is resting on a surface, and it will spring into funnel shape below said sifter when said sifter is lifted from said surface.

2,252,702
INK AND METHOD OF MANUFACTURING THE SAME
Joseph G. Curado, Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 21, 1938, Serial No. 246,993
14 Claims. (Cl. 134—35)

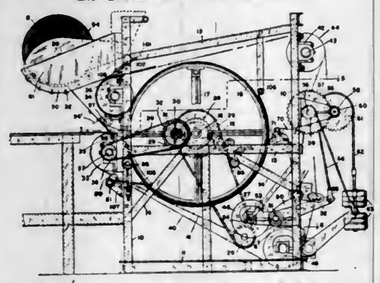
5. A printing ink, of the character described, comprising as an essential ingredient a flushed pigment material produced according to the method described and exhibiting prolonged drier stability, said pigment material comprising a pigment suspended in an oily vehicle, and containing between 5–20% water on the dry weight of the pigment, a small percentage of lecithin of approximately not more than 5% on the dry weight of the pigment and up to about 10% of a metallic drier.

2,252,703
APPARATUS FOR THE SUSPENSION OF GLASS ARTICLES OR SHEETS
Jacques Marie Darodes de Tailly, Thourotte, France, assignor to The American Securit Company, Washington, D. C., a corporation of Delaware
Application April 28, 1936, Serial No. 76,865
In France April 30, 1935
15 Claims. (Cl. 49—14)



2. An apparatus for suspending a glass article subjected to thermic treatments comprising a support, an arm carried by said support and rotatable about a horizontal axis, tongs attached to one end of said arm to grip the article and a balance weight carried by the other end of said arm.

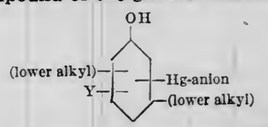
2,252,704
DECORATION
Clarence J. Davies, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application December 12, 1938, Serial No. 245,330
12 Claims. (Cl. 154—1)



1. A machine for decorating fabric comprising a roll, means for heating said roll, a continuous forming band adapted to engage said roll throughout less than the complete circumference thereof, said band being of substantial thickness, and having transverse slots providing longitudinally spaced areas of reduced thickness formed in its outer surface.

2,252,705
MERCURI ALKYL PHENOL DERIVATIVES
Walter G. Christiansen, Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application November 22, 1938, Serial No. 241,727
5 Claims. (Cl. 260—434)

1. A compound of the general formula



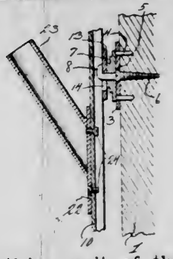
wherein Y represents a member of the group consisting of halogen and nitro, and at least one of the lower alkyl radicals has at least three carbon atoms.

2,252,706
HALOALKYL POLYACYL GLYCOSIDES
Harold W. Coles and Mary L. Dodds, Pittsburgh, Pa., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application October 20, 1938, Serial No. 236,045
8 Claims. (Cl. 260—210)

1. Glycosides of the general formula

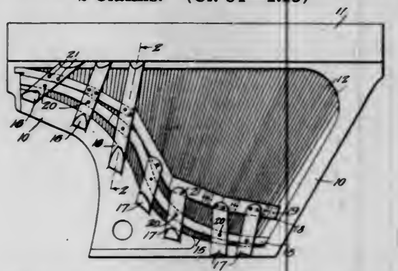
wherein R—O— is the glycoside radicle of a polyacyl saccharide, R′ is a member of the group consisting of hydrogen, lower alkyl and halo-lower-alkyl, and *n* is a whole number from 1 to 9 inclusive.

2,252,707
ADVERTISING DISPLAY FIXTURE
Edwin R. Dean, Minneapolis, Minn.
Application January 27, 1940, Serial No. 316,041
6 Claims. (Cl. 40—125)



1. An advertising unit of the character described, comprising in combination a pair of hook carrying units adapted to be fixed in spaced relation to a support, and a display carrying unit including a channel portion having a length sufficient to bridge the space between said pair of units and eyed members secured across and opening into the channel and spaced to receive the hooks of the pair of units whereby the display carrying unit may be supported by the pair of fixed units.

2,252,708
ELECTRIC PIANO CONSTRUCTION
William L. Douden, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 30, 1938, Serial No. 248,563
2 Claims. (Cl. 84—1.15)



1. In a piano, a cast frame, bracket members cast integral with said frame and extending inwardly therefrom at spaced intervals, a bridge fixed to said bracket members for supporting piano strings, and electrical pickup devices rigidly supported on said bracket members adjacent to and spaced from said bridge and adjacent to the plane of strings supported by said bridge.

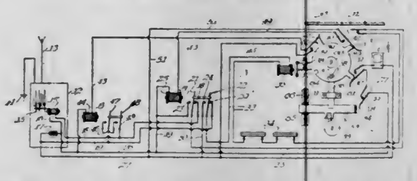
2,252,709
ERYTHRAMINE AND PROCESS FOR ITS PRODUCTION
Karl Folkers, Plainfield, and Frank Koniuszy, Rahway, N. J., assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application September 28, 1938, Serial No. 232,234
12 Claims. (Cl. 260—236)

6. A substance selected from the group consisting of erythramine, an alkaloid obtainable from certain botanically related species of Erythrina, said alkaloid having a melting point of about 103–104° C.; and

$$[\alpha]_D^{29} + 227.6°$$

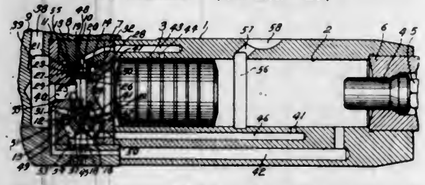
in absolute ethanol; and hydrohalides of said alkaloid.

2,252,710
RADIO ALARM SYSTEM
William L. Foss, Washington, D. C., assignor to Howton Radio Alarm Company, Seattle, Wash.
Application June 7, 1938, Serial No. 212,335
8 Claims. (Cl. 177—314)



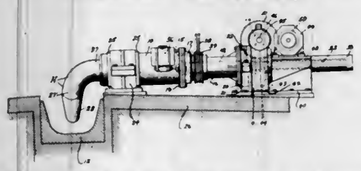
1. In an alarm system, a source of electric current, a circuit in connection with said source, a protective circuit, alarm signal producing means, a coil, means controlled by said coil for initiating operation of said signal producing means, another circuit in parallel with said first circuit and connected to said source and in which said coil is connected in series, and switch means operable to connect said alarm circuit with said supply circuit or with said leads.

2,252,711
PRESSURE FLUID MOTOR
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 30, 1940, Serial No. 348,428
20 Claims. (Cl. 121—19)



17. In a pressure fluid motor, the combination comprising a cylinder, a piston reciprocable in said cylinder, and fluid distribution means for the motor including means providing a pair of alined valve receiving bores, fluid distribution passages leading respectively from said bores to the opposite ends of said cylinder, a pressure fluid supply, a pair of cooperating fluid distributing valves arranged in said bores, said valves being relatively movable and adapted to abut one another in certain positions thereof, said valves controlling the flow of pressure fluid from said supply to said passages respectively, means for throwing said valves into their different operating positions including throwing passages communicating with said bores and controlled by said piston for subjecting pressure areas on said valves to valve throwing pressures, and means associated with said pressure areas for venting a portion of the throwing pressure fluid delivered thereto.

2,252,712
CLAY GUN
August F. Giese, Jr., Gary, Ind.
Application May 24, 1940, Serial No. 336,893
3 Claims. (Cl. 266—42)



1. A clay discharging structure for a blast furnace having a tapping hole and a runner trough extending therefrom, said structure comprising a single cylinder in front of the furnace with its discharge end adjacent to the side of the runner trough and with its axis at right-angles to the runner trough, a bent nozzle having its horizontal part rigidly secured to the discharge end of said cylinder in axial alignment therewith and having its discharge end within the vertical plane of the axis of the furnace tapping hole, an intermediate member providing at its outer end a head for the inner end of said cylinder, an outer bearing mounted on the floor in front of the furnace and directly adjacent to the runner trough for journaling the cylinder at its outer end, an annular bearing mounted on the floor in front of the furnace journaling the inner end in said intermediate member whereby said cylinder together with said intermediate member form a rotatable unit, a piston within said cylinder and a piston shaft extending therefrom through said intermediate member and said inner bearing, an electric motor stationarily mounted adjacent to the inner end of said inner bearing, a driving train between said motor and the inner end of said piston shaft connected to longitudinally reciprocate said shaft and piston for the discharge of clay from said cylinder and through said nozzle and into the furnace tap hole, and driving means connecting with said intermediate member for effecting rotation thereof for placing the nozzle end in clay discharge position or to a position away from the tapping hole and above the runner trough.

2,252,713
LOCAL ANESTHETIC INTERMEDIATE, AND PROCESS FOR MANUFACTURING THE SAME
Samuel D. Goldberg, Jamaica Estates, and William F. Ringk, Hollis, N. Y., assignors to Novocol Chemical Mfg. Co. Inc., Brooklyn, N. Y., a corporation of New York
No Drawing. Application November 5, 1938, Serial No. 238,990
14 Claims. (Cl. 260—472)

1. As a new compound a mono lower alkyl amino substituted ethyl amino benzolate, having a formula $NH_2C_6H_4COOC_2R_4NH$ Alkyl, where Alkyl refers to a lower alkyl radical and where R is selected from the group consisting of hydrogen and a lower alkyl radical, said NH Alkyl radical containing not more than five carbon atoms.

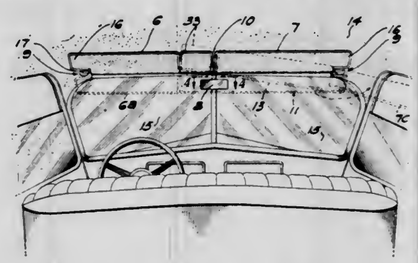
2,252,714
PROCESS AND APPARATUS FOR MAKING METAL POWDER
Everett J. Hall, deceased, late of Elizabeth, N. J., by Harriet L. Hall, executrix, Elizabeth, N. J., assignor to Metals Disintegrating Company, Inc., Union Township, Union County, N. J., a corporation of New Jersey
Application June 29, 1937, Serial No. 150,934
16 Claims. (Cl. 75—72)



9. The method which comprises passing a continuous ribbon-like stream of comminuted copper oxides horizontally and slowly through a horizontally disposed furnace in an atmosphere of reducing gas, applying to the furnace at selected intermediate points along the length of the furnace, means for establishing within the furnace in connection with the reaction heat inside the furnace, different selected temperatures at such selected intermediate points, and controlling the temperature-establishing means by means responsive to fluctuations in the temperatures, to compensate for such fluctuations, whereby those temperatures are substantially maintained despite variations in reaction heat.

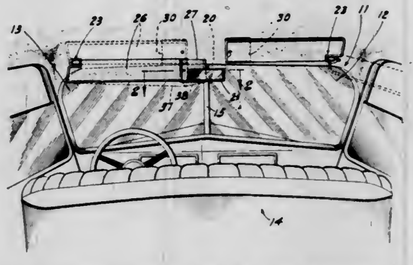
2,252,715
GLARE SHIELD STRUCTURE FOR AUTOMOBILES
Solomon M. Levy, Los Angeles, Calif., assignor to Inventions & Specialties, Inc., Los Angeles, Calif.
Application April 26, 1940, Serial No. 331,841
13 Claims. (Cl. 296—97)

13. In combination, a glare shield member consisting of an elongated plate, and means for pivotally mounting one end portion of said member upon the frame of an automobile adjacent to an upper corner of a windshield, said member being of sufficient length to extend from its pivotal mounting to a point beyond the mid width of the automobile, said member having a slotted edge



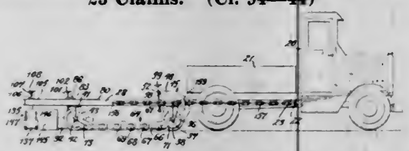
portion to straddle the shank of a rear vision mirror mounted in the center of the automobile when said member is rotated to a glare obstructing position and to in the latter position be supported by such shank.

2,252,716
AUTOMOBILE VISOR AND REAR VISION MIRROR SUPPORT CONSTRUCTION
Solomon M. Levy, Los Angeles, Calif., assignor to Inventions and Specialties, Inc., Los Angeles County, Calif., a corporation of California
Application July 1, 1940, Serial No. 343,377
14 Claims. (Cl. 296—97)



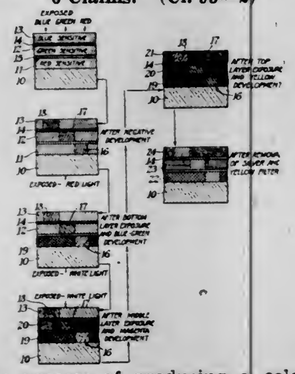
11. In a structure of the kind described, the combination with an automobile having a windshield mounted thereon, of a pair of main elongated glare shield members, means for pivotally mounting one end portion of each of said members upon the frame of said automobile adjacent to an upper corner of said windshield, and an extension comprising an elongated glare shield member shorter than said main shield member pivotally mounted to each said main shield member to occupy an overlapping relation therewith when said extensions are in the inoperative position, in which position spaces intervene between adjacent opposite edges of both said shields and said extensions whereby they may swing freely of a rear vision mirror mounted centrally of said automobile which said combination of shields must travel by when the main shield member is rotated from an inoperative position to a sun glare obstructing position, said extensions when swung with said main shield members to the latter position being each rotative inwardly about their pivotal supports toward the mid-length of the automobile from said overlapping position to a non-overlapping position bringing certain edges thereof into a contiguous relation to fill the gap between adjacent edges of said main shield members rearwardly of said mirror.

2,252,717
ROAD SPREADER
Axel E. Lundbye, Nunda, N. Y., assignor to Adnun Engineering Corporation, Wilmington, Del., a corporation of Delaware
Application November 20, 1937, Serial No. 175,693
23 Claims. (Cl. 94—44)



1. In a road spreader of the character described, a carriage adapted to traverse the surface to be paved, a pair of runners connected with said carriage and drawn along the surface to be paved, a leveling device carried by said runners, means for adjusting the elevation of said leveling device relative to said runners and a multiplicity of anti-friction rollers mounted on each of said runners in closely spaced relation along the bottoms thereof.

2,252,718
REVERSAL PROCESS OF COLOR PHOTOGRAPHY
Leopold D. Mannes, Leopold Godowsky, Jr., and Lot S. Wilder, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 19, 1938, Serial No. 185,700
In Great Britain November 19, 1937
6 Claims. (Cl. 95—2)



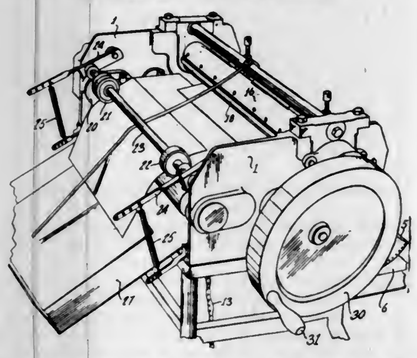
1. The process of producing a colored photographic record by color-forming development in a sensitive element having three superposed silver halide layers each sensitive to a spectral region different from those to which the other layers are sensitive, which comprises forming latent images in the layers, the images being different color sensation records of a subject, simultaneously developing the latent images to negative metallic silver images, exposing only one of the outer layers from its side of the element to light of a color to which it is sensitive and developing a colored image in it by a color-forming development step, exposing the inner layer through the thus exposed and color-developed outer layer to light of a color to which it is sensitive and developing a colored image in it by a second color-forming development step, exposing the third layer to light of a color to which it is sensitive and developing a colored image in it by a third color-forming development step, the silver images formed in all development steps remaining in the film at this stage, and removing from the layers the metallic silver images formed in the various development steps.

2,252,719
CATALYTIC REACTOR
John Woods McCausland, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 24, 1940, Serial No. 347,142
8 Claims. (Cl. 23—288)



1. A reactor of the class described comprising a pair of concentric elongated tubular elements, the said tubes being spaced apart substantially throughout their length to provide an annular space therebetween adapted to contain a mass of solid granular contact material, and longitudinal partitioning means in the innermost tube forming a plurality of separate compartments therein, the tubular walls of said innermost tube being provided with openings in communication with said annular space to provide a path whereby fluid may be passed between the separate compartments through said bed of contact material.

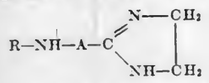
2,252,720
STRIP TRIMMING AND SEVERING APPARATUS
Albert W. Metzner, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application January 16, 1939, Serial No. 251,185
19 Claims. (Cl. 164—84.5)



1. An apparatus wherein a continuous strip of material having longitudinally spaced legend receiving areas is marginally trimmed to remove therefrom marginal traction areas by which the strip was previously advanced through a recording apparatus and the trimmed remainder thereof divided into successive sheets on longitudinally spaced transverse weakened division lines intermediate succeeding legends, including a positive strip feeding device having interengagement with configurations in the marginal traction area thereof for advancing the strip in synchronism with the operation of succeeding strip dividing means, trimmers relative to which the strip is advanced by the strip feeding device and by which the marginal traction areas are removed, a pair of gripper rolls between which the trimmed strip advances freely during a portion of its travel and by which the strip is intermittently gripped intermediate succeeding transverse weakened lines, said gripper rolls being rotated at a speed to transmit to the engaged portion of the strip a limited advance movement at a lesser speed than its advancement by the strip feeding means, thereby obviating any tension between the strip feeding device and the gripper rolls, and a second pair of rolls operatively engageable with successive terminal portions of the strip simultaneously with the intermittent engagement of the gripper rolls therewith after each division of a sheet therefrom at an accelerated rate of speed simultaneously with the intermittent engagement of the gripper rolls therewith, after each sheet division therefrom, the construction and arrangement being such that the terminal portion of the strip is unevenly longitudinally tensioned beyond the tensile strength of the transverse division lines upon which tearing action is thereby initiated at one margin and continued to the opposite margin of the strip.

2,252,721
CYCLIC AMIDINE
Karl Miescher, Riehen, Ernst Urech, Basel, and Willi Klarer, Riehen, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application April 29, 1939, Serial No. 270,932. In Switzerland May 11, 1938
8 Claims. (Cl. 260—309)

1. The compounds of the formula



wherein A stands for a short-chain, saturated and unsubstituted alkyl group, and R for an aromatic radical.

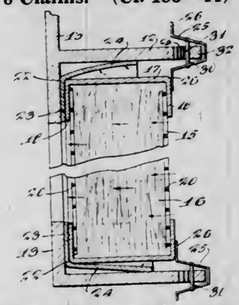
2,252,722
AMINO ACID AMIDINES AND PROCESS OF PREPARING SAME
Karl Miescher and Willi Klarer, Riehen, and Ernst Urech, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application April 29, 1939, Serial No. 270,933. In Switzerland May 11, 1938
10 Claims. (Cl. 260—309)

1. A process for the manufacture of amino acid amidines, which comprises reacting a reactive ester of an oxyalkylimidazoline obtained by reacting the latter with a member of the group consisting of strong organic and inorganic acidic substances, with an amine.

2,252,723
HALOGEN-ALKYL AMIDINES AND PROCESS OF PREPARING SAME
Karl Miescher and Willi Klarer, Riehen, and Ernst Urech, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application April 29, 1939, Serial No. 270,934. In Switzerland May 11, 1938
9 Claims. (Cl. 260—309)

1. 2-(chloromethyl)-imidazoline forming a hydrochloride of melting point 185–190° C.

2,252,724
AIR FILTER
Frank L. Myers, Toledo, Ohio, assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application March 31, 1937, Serial No. 134,101
8 Claims. (Cl. 183—44)

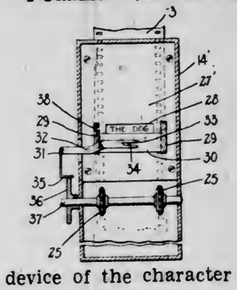


1. An air filter unit comprising an air filtering medium, a circumferential holding means for said medium, and gasket material adhesively secured to said means and extending outwardly beyond the entire face circumference of said means.

2,252,725
PHENOLIC SUGAR ALCOHOL
Joseph B. Niederl, Brooklyn, N. Y.
No Drawing. Application August 28, 1937, Serial No. 161,414
4 Claims. (Cl. 260—474)

1. As a new water-soluble compound sorbitol salicylic acid.

2,252,726
APPARATUS FOR EXERCISING AND TRAINING EYES
William F. Peck, Kenmore, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 12, 1938, Serial No. 207,527
4 Claims. (Cl. 35—35)



1. In a device of the character described the

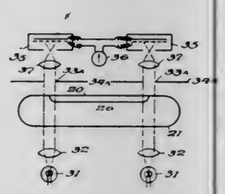
combination of a viewing screen and a projector for projecting indicia to be viewed on said viewing screen, said projector comprising means for producing a projected beam of light, a shutter member, means for intermittently moving said shutter member into and out of shunting relation with said projected beam of light, means for supporting and intermittently moving a film having indicia thereon which, when in cooperative relation with said projected beam of light, will produce fixation means to be viewed on said viewing screen and mechanical means interconnected with the means for moving said shutter and the means for intermittently moving said film for successively shunting the beam of light and intermittently moving said film and for permitting said beam of light to be projected through said film when the indicia to be projected is positioned in said beam of light.

2,252,727

TELEMETRIC LEVEL

Theodore B. Pepper, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application August 24, 1938, Serial No. 226,603
15 Claims. (Cl. 177—351)



1. In combination, a level vial containing an electrically conducting liquid and a non-conducting bubble, a pair of electrical terminals located out of the normal path of travel of said bubble but in such position that the characteristics of field between said terminals are varied by changes in position of said bubble, and an indicating device so connected with said terminals as to exhibit changes in said field caused by such changes in position of said bubble.

2,252,728

CHLORINATED RUBBER AND A METHOD FOR ITS PRODUCTION

John Merriam Peterson, Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 22, 1938, Serial No. 215,215
7 Claims. (Cl. 260—772)

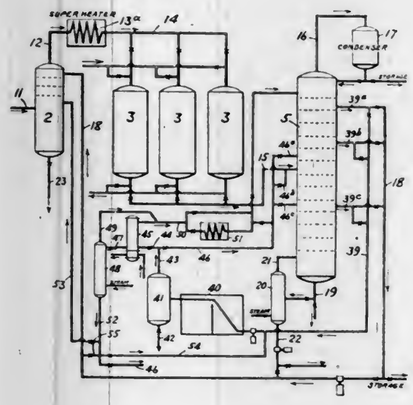
2. The method of producing chlorinated rubber containing about 62 to about 70 per cent chlorine and characterized by high permanent flexibility when in the form of an unplasticized film which includes the steps of digesting rubber with an aqueous solution of an alkaline alkali metal compound, interrupting the digestion process so as to give a digested rubber which after subsequent washing will have a Cochius viscosity in a 5% carbon tetrachloride solution at 20° C. of about 20 to about 200 seconds, washing the digested rubber with water to remove soluble digestion products, drying the digested rubber, dissolving the digested rubber in a suitable solvent and chlorinating the digested rubber to a chlorine content of about 62 to about 70 per cent.

2,252,729

TREATMENT OF COMPOSITE HYDROCARBONS

Thomas B. Prickett, Woodbury, N. J., and George S. Dunham, Ardmore, Pa., assignors, by direct and mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application January 25, 1938, Serial No. 186,804
3 Claims. (Cl. 196—48)



1. In the production of desired low boiling hydrocarbons from a composite hydrocarbon starting material of wide boiling range containing a substantial proportion of heavy or unvaporizable components, the steps of process which comprise heating said starting material under conditions so as to retard active cracking while effecting vaporization of a large proportion of said starting material, passing the heated and partially vaporized material into a separating zone maintained at a pressure below that under which said heating is effected and therein separating liquids from vapors, withdrawing unvaporized material from said separating zone, withdrawing vapors from said zone and effecting a superheating of the same and controlling the temperature thereof, continuously passing the resulting superheated vapors to a conversion zone containing a solid adsorptive incombustible catalytic material and maintained under conditions so as to effect a cracking of higher boiling to lower boiling hydrocarbons, passing hydrocarbon products from said conversion zone to a fractionating zone wherein desired low boiling products are withdrawn as vapors, withdrawing a higher boiling liquid fraction from said fractionating zone, subjecting it to a pyrolytic conversion, passing those portions of the products of the pyrolytic conversion which boil below approximately 500° F. into the aforesaid fractionating zone, and withdrawing therefrom a small portion of liquid having an initial boiling point higher than the end point of said desired low boiling products and sending it to the top of the separator in order to control the boiling range of vapors passing to the catalytic conversion zone.

2,252,730

METHOD OF TREATING AND FINISHING CELLULOSE AND CELLULOSIC FIBERS AND PRODUCTS

Eric Owen Ridgway, Montclair, and Frederick Curtis Tucker, Nutley, N. J., assignors to Ridbo Laboratories, Inc., a corporation of New Jersey

No Drawing. Application September 12, 1938, Serial No. 229,522
4 Claims. (Cl. 8—139)

1. The method of treating natural cellulosic textile material to improve the quality thereof, which comprises saturating the material with a barium hydroxide solution comprising approximately a 50 gram per litre solution of barium hydroxide ($Ba(OH)_2{:}8H_2O$), removing the excess hydroxide solution, and then subjecting the impregnated material to a series of washes in substantially pure water at a temperature of approximately 100° C. or over to substantially completely remove the alkali and barium compounds.

2,252,731

METHOD OF PREPARING A SOLUTION OF CELLULOSE

Eric Owen Ridgway, Montclair, and William A. Bodenschatz, Brooklawn, N. J., assignors to Ridbo Laboratories Incorporated, Nutley, N. J., a corporation of New Jersey

No Drawing. Original application November 1, 1937, Serial No. 172,152. Divided and this application August 17, 1939, Serial No. 290,626
4 Claims. (Cl. 106—40)

2. The method of preparing a solution of cellulose having a low ammonia content, which comprises wetting said cellulose in a solution of water-soluble copper salt selected from the class consisting of copper sulphate, copper nitrate, copper bromide and copper chloride, and adding a solution of ammonium of hydroxide of at least 25 grams ammonia per litre and an inorganic alkaline hydroxide, the reaction being carried out at a low temperature.

2,252,732

METHOD OF TREATING CELLULOSE TEXTILE MATERIAL

Eric Owen Ridgway, Montclair, and William A. Bodenschatz, Brooklawn, N. J., assignors to Ridbo Laboratories Incorporated, Nutley, N. J., a corporation of New Jersey

No Drawing. Application August 17, 1939, Serial No. 290,627
8 Claims. (Cl. 8—123)

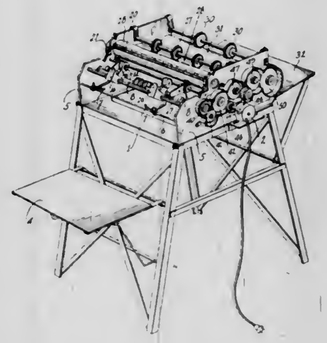
1. The method of treating cellulosic textile material to selectively dissolve and remove therefrom the lesser celluloses, sugars, glucosides and other impurities without dissolving the alpha cellulose content thereof, which comprises the steps of first thoroughly impregnating the material with a solution of a water-soluble copper salt, removing excess copper salt solution from the material so that the quantity of the copper salt remaining on the material does not exceed, in terms of $CuSO_4.5H_2O$, 1 part of copper salt to 4 parts of cellulosic material for average lightweight materials such as those weighing 1 pound per 10 square yards, with proportionately smaller ratios of copper salt for heavier materials the ratio of copper sulphate to cellulose being reduced .01 in heavier fabrics for each lessened square yard per pound of material being treated, then treating the material in a solution of ammonium hydroxide and an alkali metal hydroxide having a basicity greater than ammonium hydroxide, and finally washing the material to remove the reagents and the aforesaid selectively dissolved impurities.

2,252,733

FORM BURSTING AND STACKING APPARATUS

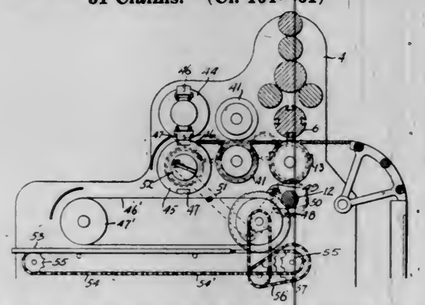
John Q. Sherman and Raymond G. Ratchford, Dayton, Ohio; said Ratchford assignor to said Sherman. Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner, executors of the estate of said John Q. Sherman, deceased

Application August 25, 1938, Serial No. 226,760
43 Claims. (Cl. 164—61)



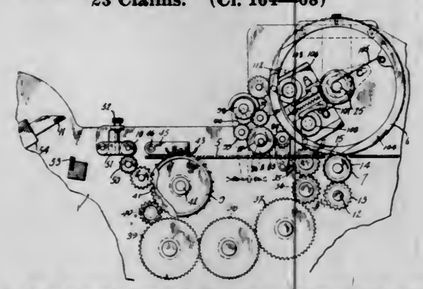
1. In a strip severing apparatus wherein successive portions of a continuous strip of material having therein a succession of transverse weakened division lines are advanced into strip severing position, a pin type feeding device engageable in marginally punched holes in the strip for positively advancing the strip, a slitter for trimming the marginally punched area from the strip before it reaches the strip severing position, a pair of pressure rollers between which the strip is advanced, a relatively dull pressure blade carried by one of the rollers, a resilient abutment area upon the companion roll with which the blade cooperates to squeeze the strip therebetween with bursting pressure, a supplemental set of feed rolls intermittently engageable with the terminal portion of the supply strip substantially coincident with the engagement of the blade therewith, means for rotating the respective pairs of rollers at different peripheral speeds whereby the terminal portion of the strip is subjected to longitudinal pulling strain while the supply portion thereof is gripped between the blade and resilient abutment area, by which the terminal portion of the strip is detached as a separate sheet, and a succeeding pair of feeding rolls to which the detached sheet is delivered by the intermediate supplemental rolls, said last mentioned rolls being disposed with their axes in a common plane inclined to the common plane of the axes of the supplemental intermediate rolls, and means for driving the latter pair of rolls at a lesser peripheral speed, the construction and arrangement being such that the plane of travel of the detached sheet through the latter rolls is divergent to its plane of travel through the preceding rolls by elevating one edge and depressing the opposite edge thereby enabling the succeeding sheet being advanced at greater speed by the intermediate rolls to be projected into lapping relation with the trailing portion of the tilted sheet passing between the final rolls of the series.

2,252,734
STRIP FEEDING AND IMPRINTING APPARATUS
John Q. Sherman, Dayton, Ohio; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner executors of said John Q. Sherman, deceased
Original application December 18, 1936, Serial No. 116,552. Divided and this application June 15, 1939, Serial No. 279,341
31 Claims. (Cl. 164—61)



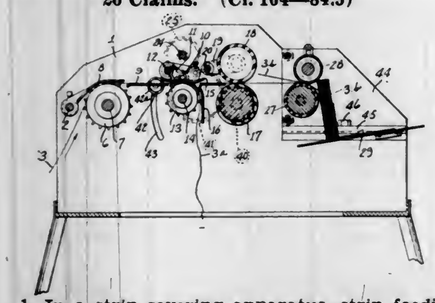
7. An apparatus wherein a continuous record strip having therein a succession of longitudinally spaced transverse weakened lines and marginal traction areas containing relatively spaced configurations for cooperative engagement of positive strip feeding devices is marginally trimmed and divided into successive sheets on said transverse weakened lines, including strip feeding means, trimming means disposed in proximate relation with opposite sides of the path of travel of the strip past which the strip is advanced by the strip feeding means and by which the marginal traction areas thereof are progressively trimmed therefrom, and a pair of coacting rollers between which the trimmed remainder of the strip is passed, said rollers being operative to rupture the strip on succeeding transverse spaced weakened division lines into a plurality of individual sheets.

2,252,735
STRIP FEEDING AND SEVERING APPARATUS
John Quirk Sherman, deceased, late of Dayton, Ohio, by Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner, executors, Dayton, Ohio
Original application December 14, 1936, Serial No. 115,804. Divided and this application September 9, 1939, Serial No. 294,199
23 Claims. (Cl. 164—68)



1. An apparatus of the type wherein a continuous strip of record material having thereon a longitudinally spaced succession of imprinted areas, and having therein a longitudinal succession of marginal feed holes disposed in predetermined identical relation with the succession of imprinted areas and lines of severance intermediate succeeding imprinted areas, is intermittently advanced past strip trimming and severing devices by which the marginal feed holes are progressively removed and the remainder of the strip transversely divided in predetermined definite relation with the imprinted areas into a succession of individual imprinted sheets, characterized by a traveling pin type feeding device having progressive engagement in the marginal holes in the strip to advance the strip a predetermined distance at each operation, trimming means for longitudinally separating from the strip at least one marginally punched area thereof, and strip severing means operative in synchronism with the feeding means for detaching succeeding terminal portions of predetermined length from the strip, and actuating means for operating the strip feeding means, and the strip severing means in alternating sequence.

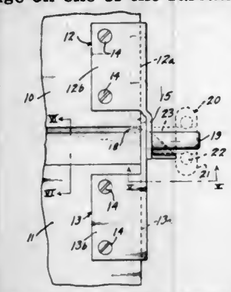
2,252,736
STRIP FEEDING TRIMMER AND BURSTING MACHINE
John Quirk Sherman, deceased, late of Dayton, Ohio, by Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner, executors, Dayton, Ohio, and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to the estate of John Quirk Sherman, deceased
Application September 20, 1939, Serial No. 295,814
26 Claims. (Cl. 164—84.5)



1. In a strip severing apparatus, strip feeding means for progressively advancing into strip severing position a continuous strip of material having at longitudinally spaced intervals transverse weakened division lines, a pair of rollers intermittently engageable with the terminal portion of the strip in advance of the initial transverse weakened line thereof, means for driving said rollers at an accelerated speed, and a second pair of rollers having intermittent engagement with the strip beyond the initial transverse weakened line thereof simultaneously with the engagement therewith of the first pair of rollers, driving means actuating the second pair of rollers at a lesser rate of speed than the first mentioned rollers, and adjusting means for automatically raising and lowering one of the rollers of the second pair in timed sequence with the advancement of the strip.

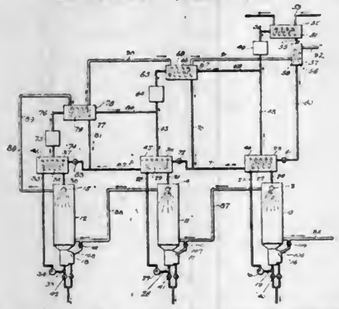
2,252,737
HINGE CONSTRUCTION FOR UPWARD ACTING DOORS
Henry J. Siess, Detroit, Mich., assignor to Crawford Door Company, Detroit, Mich., a corporation of Michigan
Application September 9, 1940, Serial No. 355,892
7 Claims. (Cl. 16—171)

4. A hinge construction comprising a metal plate, a pin projecting normally from said metal plate, a second metal plate having a bifurcated portion adapted to straddle said pin, an outturned flange on one of the furcations in spaced



relation from said pin, and a sleeve disposed over said pin and having an outer face adapted to abut said flange for uniting the plates in articulate relation.

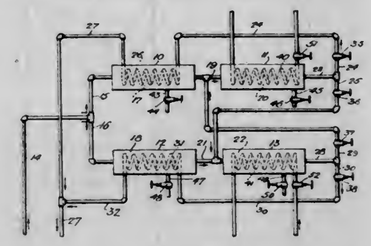
2,252,738
PROCESS AND APPARATUS FOR REMOVING CONDENSATES FROM GAS
Herman J. Stoever, Ames, Iowa, assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application October 18, 1938, Serial No. 235,692
10 Claims. (Cl. 62—121)



1. A process for removing condensible materials from a gas comprising passing said gas serially through a plurality of unobstructed phase contacting paths countercurrently to absorbing liquid in spray form, the absorbing liquid entering each subsequent phase contacting path in the series being of a temperature lower than that of the absorbing liquid entering the preceding phase contacting path and sufficiently low to solidify a part of the condensate produced, the absorbing liquid introduced into each phase contacting path being a part of the condensate formed in said path after the separation of solid matter therefrom, and utilizing the cold stored up in the finally treated gas in the reduction of the temperature of the absorbing liquid entering said phase contacting paths.

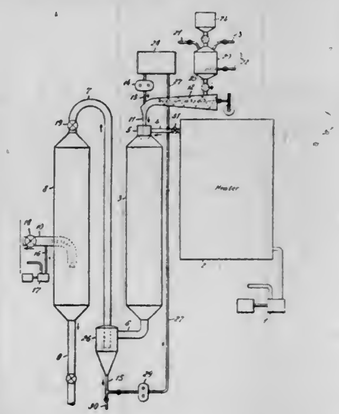
2,252,739
PROCESS FOR REMOVING CONDENSATES FROM GAS
Herman J. Stoever, Ames, Iowa, assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application October 18, 1938, Serial No. 235,693
8 Claims. (Cl. 62—175.5)

1. A process for removing condensible materials from a gas by the reduction in temperature of said gas, said gas containing a component which solidifies at the temperature employed, comprising dividing said gas into two streams, passing each stream through separate heat exchange means having gas-cooling means while alternately combining each of said streams after



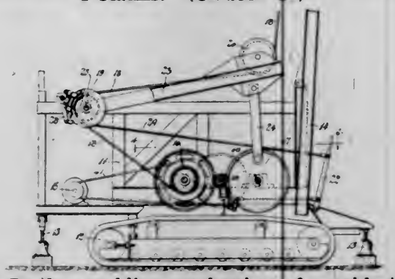
leaving its respective heat exchange means with the other of said streams before the passage of said other stream through its respective heat exchange means, and operating the cooling means of each heat exchange means at a temperature sufficiently low to cause solidification of a gas component only when the combined streams pass therethrough.

2,252,740
CATALYTIC CRACKING
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 8, 1940, Serial No. 339,460
10 Claims. (Cl. 196—52)



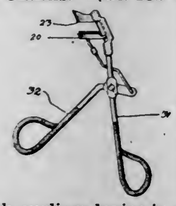
2. In catalytic cracking of hydrocarbon oils at elevated temperatures, the improvement which comprises heating the oil to a cracking temperature and injecting a catalyst into the oil at cracking temperature in a molten carrier, said carrier being thermally stable at the cracking temperature, having a melting point below and a boiling point above the cracking temperature and having a specific gravity substantially higher than that of the oil at corresponding temperatures, maintaining the oil and injected catalyst in contact at the cracking temperature for a period sufficient to effect substantial cracking, and separating the molten carrier from the oil and the bulk of the catalyst after the injection.

2,252,741
SPUDDING MECHANISM FOR CABLE TOOL DRILLS
Herbert W. Thornburg, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application February 10, 1938, Serial No. 189,809
4 Claims. (Cl. 255—11)



1. In the spudding mechanism of a cable tool drill, the combination of: a cable; a winch, on which one end of the cable is wound; a spudding sheave, over which the cable passes; arms, supporting this sheave; a horizontal pivot for the arms; spudding means for oscillating the arms, including control means therefor; a heel sheave, over which the cable passes; means, adjacent the pivot of the arms, for supporting the heel sheave for lateral sliding; means for clamping the cable to the heel sheave, during spudding; control means for the clamping means; and means, including an interlock, between the second control means and the spudding means, whereby the second control means is automatically brought into play whenever the first control means is brought into play, and is automatically released whenever the first control means is released.

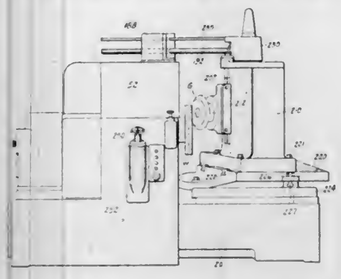
2,252,742
EYELASH CURLER
William R. Tuttle and Charles W. Stickel, Rochester, N. Y.
Application July 13, 1939, Serial No. 284,156
10 Claims. (Cl. 132—32)



1. An eyelash curling device including a vertical arm; a movable jaw having a vertical arm engaging portion, said portion being slidable along said vertical arm; and means associated with the vertical arm to shield said movable arm engaging portion from contact with the face of the user when said jaw is moved during the normal operation of the device.

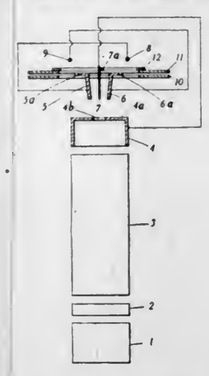
2,252,743
METHOD OF AND MACHINE FOR PRODUCING GEARS
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application January 3, 1940, Serial No. 312,312
23 Claims. (Cl. 51—52)

5. In a machine for producing gears, a tool support, a tool mounted thereon, a work support, a work spindle journaled in the work support, a cradle on which one of said supports is mounted, means for actuating the tool, means for rotating the work spindle continuously at a uniform velocity, means driven in time with said last named means for oscillating the cradle to impart alter-



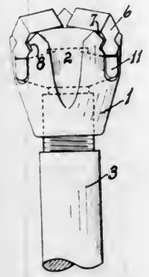
nate generating and return movements to the cradle, and means for producing alternate feed and withdrawal movements between the tool and work supports so that the tool is in engagement with the work during the generating movements of the cradle and the tool is out of engagement with the work during the return movements of the cradle.

2,252,744
CATHODE RAY TUBE
Brian Clifford Fleming-Williams, Cranford, England
Application October 28, 1938, Serial No. 237,545
In Great Britain November 3, 1937
10 Claims. (Cl. 250—158)



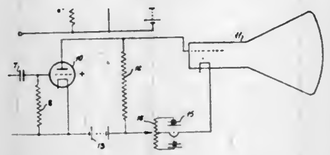
6. In a cathode ray tube comprising an electron gun, a pair of deflector plates and a plate electrode positioned between said deflector plates, supporting structure for said plates for positioning them adjacent the axis of the electron gun, comprising in combination a plurality of superimposed annular discs of insulating material containing aligned slots on opposite sides of the central opening for receiving said plates, flanges on said deflector plates positioned between said superimposed discs for maintaining said deflector plates in position, a plurality of lugs on said plate electrode, and means comprising an apertured member secured on said superimposed annular discs co-operating with said lugs for maintaining said plate electrode in place between said deflector plates.

2,252,745
DRILL BIT HEAD
Howard E. Williams, Huntington Park, Calif.
Application January 10, 1939, Serial No. 250,137
1 Claim. (Cl. 255—63)



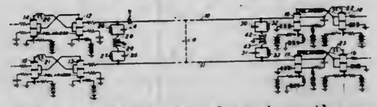
A drill head comprising a chuck, said chuck having a central bore and a plurality of radial grooves extending from the bore, a drill stem threaded into the bore, each of said grooves being adapted to receive a blade, shoulders on the chuck engaging each of the blades, a blade holder including a plurality of arms, each of the arms extending into a groove, each of said arms bearing against the bottom of a blade, said drill stem bearing against the blade holder and pressing said holder against the blades, means on each of the arms engageable by a blade whereby radial movement of the blade in the chuck is prevented, said means comprising a projection on each of the arms, said projection engaging a blade.

2,252,746
TELEVISION DEVICE
Peter William Willans, Hampstead, England, assignor to Electric and Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application April 12, 1934, Serial No. 720,205. Renewed June 6, 1940. In Great Britain April 13, 1933
6 Claims. (Cl. 178—7.5)



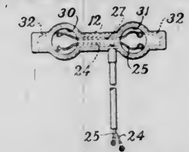
1. In a television receiving system, a cathode ray tube having a cathode and a ray intensity control element analogous to a grid, a grid-leak biased thermionic tube having an output circuit including a resistor, a conductive connection between the resistor and the ray intensity control element, means for impressing composite signals including synchronizing impulses and picture signals upon the input circuit of the thermionic tube, and a conductive connection between the cathode of the thermionic tube and the cathode of the cathode ray device, the constants of the grid-leak biasing elements being such that the said thermionic tube functions to apply a biasing potential to the ray control element proportionally to the amplitude of the synchronizing impulses and also to apply picture signals to the ray control element.

2,252,747
NEUTRALIZING ARRANGEMENT FOR TELEGRAPH CIRCUITS
Jefferson R. Wilkerson, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 19, 1939, Serial No. 274,476
4 Claims. (Cl. 178—69)



1. In a grounded telegraph system, the combination of two grounded telegraph circuits operating over adjacent telegraph lines, leak circuits individual to and connected between each of said telegraph lines and ground, means for mutually coupling said leak circuits together, and a network connected in said leak circuit having substantially the same impedance characteristics as the line to which it is connected and providing a direct current path through said leak circuit.

2,252,748
TRANSMITTER HEADSET
Albert E. Woodruff, Oak Park, and Albert F. Horlacher, Chicago, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application September 3, 1937, Serial No. 162,252, now Patent No. 2,184,262, dated December 19, 1939. Divided and this application April 17, 1939, Serial No. 268,244
2 Claims. (Cl. 179—157)

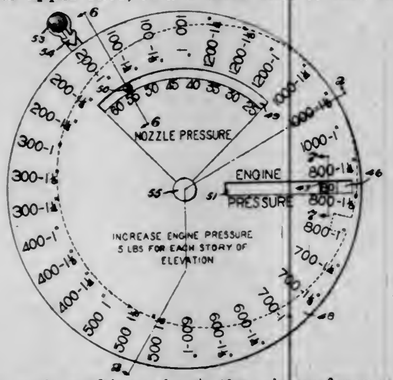


1. A microphone supporting assembly comprising, in combination, a pair of microphone cells, a member constructed of flexible resilient material, said member being provided with two cup-shaped cavities at spaced intervals along its length, each of said cavities being adapted to accommodate and removably to support one of said cells, each of said cells being shaped to fit within and distend the side wall of one of said cavities, a resilient stiffening element embedded in said member and encircling the side wall of each of said cavities, thereby to cause the side walls of said cavities to grip the side walls of the cells respectively inserted into said cavities, said element being provided with portions extending exteriorly of said member at each end thereof and shaped to form fastening elements, a strap having a fastening element mounted at each end thereof for attachment to the fastening elements formed at each end of said element, and means including said member and said strap and said fastening elements for supporting said cells against the body of a wearer.

2,252,749
CALCULATING DEVICE
Henry W. Backman and Luther A. Powers, Jr., Waltham, Mass.
Application March 21, 1939, Serial No. 263,170
3 Claims. (Cl. 235—88)

1. A device for solving the hydraulic formula E. P. $=$N. P.$\times[1.1+(K\times L)]$ for different values

of N. P., K., and L., which comprises three superposed disks of which the top disk is fixed, provided with two slots and bears on its face a range of combined K L values disposed along the margin and a range of N P values disposed radially and spaced from the margin, the second disk being blank except for a series of spirally arranged apertures, a pointer fast to said second disk and working in one slot in the top disk adjacent the range of N—P values, movement of said pointer causing said second disk to rotate relatively to said top disk, the third disk bearing E—P values on its upper face, and a knob fast to said third



disk and working about the circumference of the top disk adjacent the combined K and L values, whereby said knob may be set opposite a given K L value, movement of the knob causing the third disk to rotate and set up a range of E—P values beneath the second slot in the top disk and whereby the pointer may be set to a given N—P value, whereupon the second plate is moved to mask all the values set up beneath the second slot in the top disk except the one which represents the E—P value when N. P., K, and L are at the values indicated by the pointer and the knob.

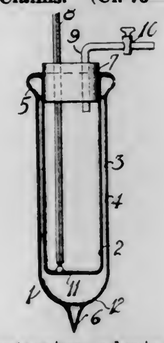
2,252,750

TRANSPARENT DOUBLE WALLED JAR FOR TESTING LIQUIDS

Walter M. Basch, Westfield, N. J.

Application August 8, 1938, Serial No. 223,643

3 Claims. (Cl. 73—51)



1. Testing apparatus, adapted to make pour, cloud, melting point and freezing point tests on oils, comprising a transparent double walled cylindrical jar made of colorless, transparent material, closed at the bottom and open at the top, the cylindrical sides of the inner wall being in equidistant spaced relation to the cylindrical sides of the outer wall at all points, and the inner wall being sealed over to the outer wall at the top, whereby the space between the inner and outer walls provides insulation against heat transfer between said walls, the outer wall being bulged outwardly at the top so as to provide a flange adapted to support the jar in a vertical hanging position, the space between the walls of said jar being substantially entirely free from moisture or any other fluid material which might, on cooling down to a temperature as low as —60° F., tend to condense on the walls and impair their transparency the space between said walls also being evacuated to an absolute pressure of about 0.1 mm. mercury so as to give a cooling rate substantially corresponding to that of the A. S. T. M. for such testing apparatus.

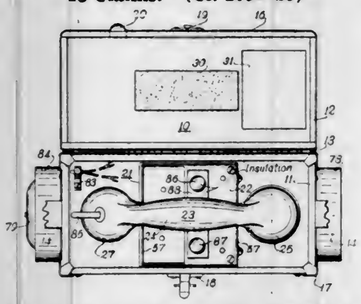
2,252,751

TELEPHONE UNIT

Edward Benisek, Geneva, and Hans Sengebusch, Villa Park, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application February 26, 1940, Serial No. 320,790

13 Claims. (Cl. 179—29)



1. A portable telephone unit comprising a casing including a body provided with an open top and a removable cover for the open top of said body, a chassis disposed in said body and provided with a rigid superstructure including a base plate and a top plate, means for detachably securing said base plate to said body, and station equipment supported by the superstructure of said chassis, said top plate being disposed adjacent the open top of said body and including spaced-apart and upwardly directed walls having aligned notches therein constituting cradle seats adapted to receive and support the handle of a handset housed in said casing when said cover occupies a closed position with respect to said body.

2,252,752

MODULATING AND AMPLIFYING SYSTEM

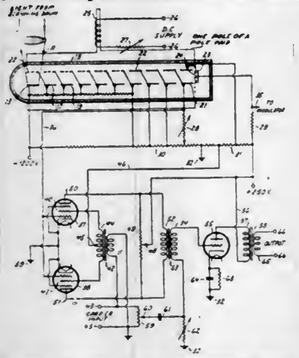
Warren H. Bliss, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application August 31, 1938, Serial No. 227,644

4 Claims. (Cl. 179—171.5)

1. A transmission system comprising a plurality of modulator tubes each having a plurality of cold electrode elements, means for applying in parallel modulation signals to one cold electrode of each of the modulator tubes, a source of carrier frequency energy, means for applying said carrier frequency energy to a second cold electrode of said modulator tubes in push-pull whereby said modulation energy is adapted to modulate the produced carrier frequency energy,

an output circuit for said modulator tubes, an amplifier connected to receive upon its input circuit carrier frequency signal modulated energy from the modulator stage, means for simultaneously applying to the input circuit of the amplifier a



counter-electromotive force derived from the carrier frequency source serially with the signal modulated energy, for improving linearity of the system, and a load circuit connected to the output of the amplifier.

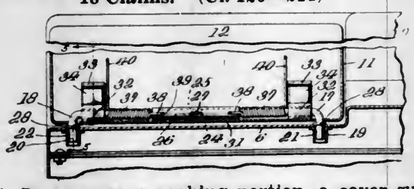
2,252,753

COVER FOR RANGE TOPS

Almer H. Brodbeck, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Application October 23, 1939, Serial No. 300,853

18 Claims. (Cl. 126—214)



1. In a range, a cooking portion, a cover support on said range, a multi-piece cover for said cooking portion including a rear cover section movably mounted on said support so that the cover can be moved from an open to a closed position and vice versa in respect to said cooking portion, means counterbalancing a portion of the weight of said cover during the opening and closing movements thereof positioned at the under side and within the rear cover section, and quick detachable connection means between said cover support and the range, whereby the cover can be readily removed from or attached to the range.

2,252,754

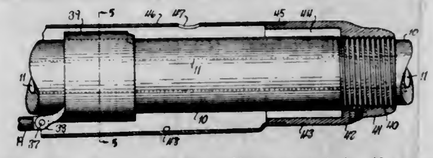
GAS-OPERATED AUTOMATIC FIREARM

Jonathan E. Browning, Ogden, Utah, assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware

Application August 31, 1938, Serial No. 227,713

9 Claims. (Cl. 42—3)

1. A gas-operated automatic firearm, including in combination: a firearm-action; a tubular-piston; operating-connections between the tubular-piston and the said firearm-action; a barrel extending through the hollow interior of the said tubular-piston and having a gas-port leading laterally from its interior to its exterior; and a cylinder mounted upon the said barrel and having a cylindrical portion surrounding the said barrel in radially-spaced relationship thereto and providing a tubular gas-chamber therebetween in communication with the said gas-port in the said barrel; the said operating-connections being operable to move the tubular-piston into the said tubular gas-chamber to position the same therein; the said tubular-piston positioned in the gas-chamber being subject to the pressure of the



gas to move outwardly with respect to the gas-chamber, and the said tubular gas-chamber formed between the said cylinder and barrel being materially shorter in a direction along the axis of the said barrel than is the stroke of the said tubular-piston, whereby the said tubular-piston in its travel moves out of the said gas-chamber and thereby permits the gas to freely escape from the said gas-chamber.

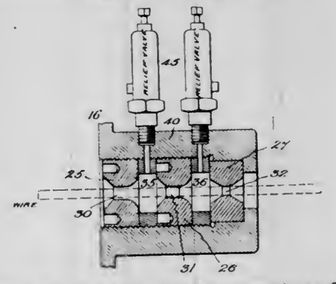
2,252,755

METHOD OF SATURATING FIBROUS COVERINGS ON WIRES, CABLES, AND THE LIKE

Carl O. Bruestle, Rahway, N. J., assignor to Elevator Supplies Company, Incorporated, Rahway, N. J., a corporation of New Jersey

Application May 13, 1939, Serial No. 273,388

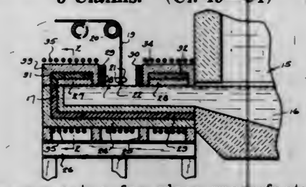
1 Claim. (Cl. 91—70)



A method of saturating the covering of fibrous material wrapped on a wire with a plastic substance, comprising heating a plastic impregnating substance to liquify it, applying the heated impregnating substance to the surface of the covered wire, pulling the covered wire with the liquified impregnating substance adhering thereto through a confined chamber having constricted wire entrance and exit openings, then pulling the covered wire with the liquified impregnating substance adhering thereto, through a second confined chamber having a constricted wire exit opening, the second chamber being in communication with the first chamber through the exit opening of the first chamber, the liquified impregnating substance which adheres to the covered wire being carried by the pulled wire into said chambers in excess of the amount carried out by the covered wire, regulating the speed at which the covered wire is pulled through the confined chambers to obtain an increase of pressure to a desired maximum operating pressure, to produce a substantially higher pressure in the second chamber than can be obtained in a single chamber, and to force the impregnation at successively increased pressures, and limiting the applica-

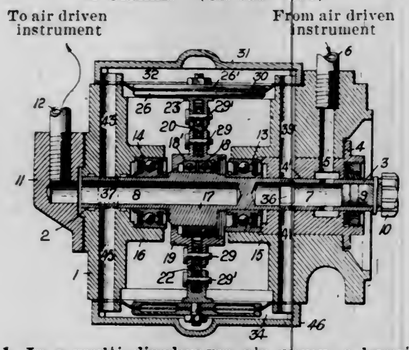
tion of the hot liquified impregnating substance to a time interval so as to increase the temperature of the wire only to a small degree.

2,252,756
APPARATUS FOR GLASS MANUFACTURE
John F. Byers, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 16, 1937, Serial No. 153,987
5 Claims. (Cl. 49—54)



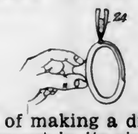
1. In apparatus for glass manufacture, a refractory clay receptacle containing a body of molten glass, means for drawing a sheet upwardly therefrom, refractory clay cover tiles arranged above the body of molten glass at opposite sides of the sheet being drawn, refractory and electrically conducting material arranged outwardly of and covering said receptacle and cover tiles, electric-insulating material arranged outwardly of and covering said refractory and electrically conducting material, and electrical high frequency induction means comprising an inductor coil arranged outwardly of the electric-insulating material and encircling said receptacle and cover tiles for causing the generation of heat in said refractory and electrically conducting material which is transferred by thermal conduction through the walls of said receptacle and cover tiles to the body of molten glass.

2,252,757
AIR PUMP
Bert G. Carlson, Freeport, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 10, 1938, Serial No. 229,265
5 Claims. (Cl. 230—170)



1. In a multi-diaphragm air pump, a housing, a hollow shaft journaled in said housing, a plurality of chambers concentrically arranged around said shaft, a diaphragm forming one wall of each chamber, means driven by said shaft and adapted to impart reciprocating substantially harmonic motion to said diaphragms, and a plurality of rotary valves forming integral parts of said shaft and adapted to alternately release and restrain the flow of air compressed by said diaphragms, said valves having openings automatically varying substantially in accordance with said harmonic motion as the shaft is turned.

2,252,758
METHOD OF MAKING DIAPHRAGMS
Percy L. Clark, Jr., Glencoe, and Carl Waterbury, Chicago, Ill.
Application April 28, 1939, Serial No. 270,530
2 Claims. (Cl. 18—59)



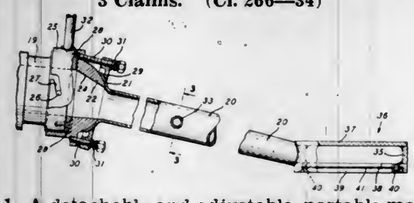
1. The method of making a diaphragm having a metal reinforcement in its rim, which consists in pressing raw rubber between dies to mold the article in one operation and exposing said reinforcement through an open groove around said rim, said groove being located at a side of a vertical line through the center of said reinforcement and occupying substantially 90 degrees of the circumference of said rim, then curing said molded article, and then, by a manual operation, running liquid rubber in said groove to fill the same.

2,252,759
TIRE CHAIN OR SIMILAR DEVICE
Frederick W. Dodson, Madison, N. J.
Application May 16, 1939, Serial No. 273,833
12 Claims. (Cl. 152—213)



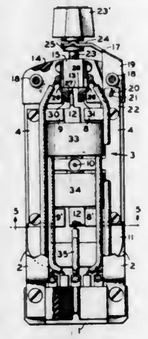
1. In a tire chain the combination of a road engaging element and a strap element adapted to hold the first element on the tire and shape retaining means applied to the strap element and adapted to hold the strap element in a given shape.

2,252,760
MATERIAL HANDLING APPARATUS
Aeneas J. N. Duclos, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1940, Serial No. 333,123
3 Claims. (Cl. 266—34)



1. A detachable and adjustable, portable material handling device to transfer liquid material from a container having a delivery aperture, the device comprising a tubular body, means at one end of the body to removably secure the same to the edge of the aperture to receive liquid material therethrough, means to vary the orientation of the body with respect to the container when secured thereto, an enlarged chamber at the other end of the body formed with a discharge aperture in the floor of the chamber, and means positioned in the discharge aperture to purify liquid material passing therethrough.

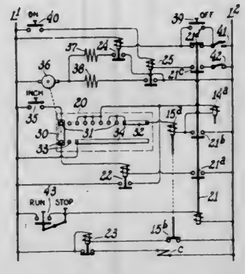
2,252,761
RELAY
Phillip H. Estes, Rutherford, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 6, 1938, Serial No. 206,383
13 Claims. (Cl. 200—93)



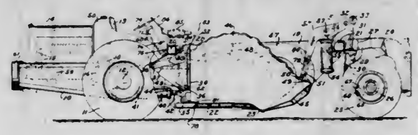
1. In a relay, a base member, non-magnetic frames attached to said base, an insulating bridge member supported at one end of said frames, a pair of U-shaped pole pieces rotatably supported on said frames, a U-shaped permanent magnet mounted in self-supporting relation with said pole pieces and within said frames, an armature operatively supported in relation to said pole pieces, operating coils supported adjacent said pole pieces, a lever fulcrumed between said frames and at one end of said bridge member, one end of said lever being pivotally connected to said pole pieces and adapted to rotate them, the other end of said lever being notched, an adjusting screw positively engaging the notched end of said lever for actuating it and thereby rotating said pole pieces, armature and permanent magnet as a unitary structure, a pair of U-shaped springs on said bridge member, contacts on said springs, a contact on said armature arranged to coact with said contacts and adjusting screws in said bridge for positioning said springs and contacts.

2,252,762
DRIVE FOR PRINTING PRESSES AND OTHER MACHINES
Cyril P. Feldhausen, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 31, 1939, Serial No. 265,155
15 Claims. (Cl. 172—239)

1. For printing presses and other machines, in combination, a driving motor for operation of the driven machine through a given speed range, a smaller driving motor for starting the driven machine and for slow speed operation thereof, control means for said motors providing for starting always by said smaller motor and including reversing means for said smaller motor and driving connections from said motors to the driven machine in part common to both motors and including a releasable connection through which said smaller motor drives, said releasable connection serving to transmit power from said smaller motor upon operation of the latter in either direction and having control means effecting its release as an incident to starting of the other of said motors.



2,252,763
SCRAPER
Henry C. French, Milwaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application April 18, 1940, Serial No. 330,255
19 Claims. (Cl. 37—126)



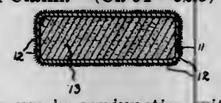
16. In combination, a pair of coaxial drive wheels, a propelling motor for said wheels having transmission mechanism extending across the common wheel axis, a bowl rigidly associated with said motor and being tiltable therewith about said axis and having spaced side walls and an integral bottom, a front steering frame articulably connected to said side walls, and means for relatively adjustably articulating said frames and for holding the same in various positions of adjustment.

2,252,764
SIGN STRUCTURE
William B. Farrell, Wayne, Mich.
Application June 22, 1940, Serial No. 341,788
7 Claims. (Cl. 40—128)



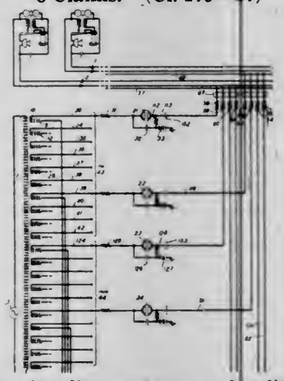
1. A sign comprising a flexible sheet, a pair of tensioning elements extending parallel to one another along two opposite sides of the sheet, a flat band of bendable metal material extending transversely to said tensioning elements and enclosed wholly within a fold in the sheet, marginal portions of said sheet together with the ends of said band being folded over said tension elements, and means securing the folded portions of the sheet and the band to the main body portions thereof to secure the sign to the tensioning elements.

2,252,765
POLISHING DEVICE
George T. Gaebel, Omaha, Nebr.
Application September 7, 1939, Serial No. 293,748
1 Claim. (Cl. 91—62.5)



A device for use in conjunction with paste wax for polishing a surface comprising a flexible fabric sack having an outwardly disposed pile, and a quantity of pulverized corn starch in said sack, the weave of said fabric being sufficiently porous to permit a usable quantity of said corn starch to pass through said weave when said sack is tapped against a waxed surface, said pile having a sufficient density and length to prevent a direct contact of said weave with said surface for preventing said weave from becoming clogged with said wax during polishing operation and sufficient permeability to permit a passage of said starch through said pile.

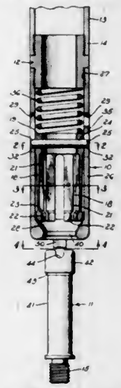
2,252,766
SIGNALING SYSTEM
William H. T. Holden, Woodside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 17, 1940, Serial No. 361,538
8 Claims. (Cl. 179—27)



1. In a signaling system, a plurality of lines each of which has an identifying designation, means for generating a multiplicity of signal impulses of different phases, connecting means between said generating means and said lines for applying to each line a plurality of said signal impulses in a combination of phases representing the line designation, a circuit for transmitting the impulses pertaining to a particular one of said lines, and means for receiving and utilizing the transmitted impulses to identify said particular line.

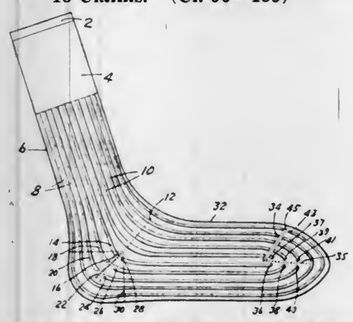
2,252,767
STANDING VALVE PULLER
Frank M. Hudson, Walnut Park, Calif., assignor to Pacific Pump Works, Huntington Park, Calif., a corporation of California
Continuation of application Serial No. 77,749, May 4, 1936. This application December 31, 1938, Serial No. 248,850
8 Claims. (Cl. 294—102)

1. In a pulling tool of the character described, the combination of: an elongated shell adapted for connection to a member insertable in a well to be operated thereby; an engager arranged in said shell for limited rotational and slidable movement relative thereto and having grasping fingers adapted to encompass an object to be pulled from a well; means carried by said engager and adapted to engage said object to be pulled for preventing relative rotational movement of said object to be pulled and said engager when said shell is rotated; means operable by a longitudinal movement of said shell relative to said engager when said engager is in an operative



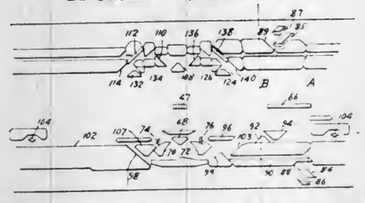
position to force said grasping fingers into engagement with said object to be pulled; and a pin and slot means between said shell and said engager normally holding said engager in an inoperative position, said slot having a wall forming a cam surface engaged by said pin and operable by rotation and longitudinal movement of said shell to move said engager longitudinally relative thereto into operative position, and said cam surface being operable upon subsequent longitudinal movement of said shell to rotate said engager into inoperative position to release said object engaged thereby.

2,252,768
KNITTED STOCKING AND METHOD FOR MAKING THE SAME
Harold E. Houseman, Laconia, N. H., assignor to Scott and Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application February 15, 1940, Serial No. 318,977
15 Claims. (Cl. 66—185)



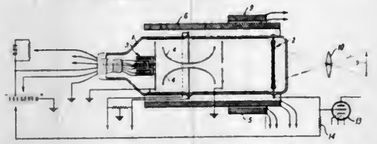
12. The method of knitting a stocking comprising knitting by reciprocatory knitting a fashioned pouch having narrowed and widened portions joined along a suture, while reversely concatenating loops providing loops of different types to form design structure in the formation of courses containing loops which are knit into said suture, all of the loops knit into said suture being concatenated in the same direction with preceding loops.

2,252,769
KNITTING METHOD AND MACHINE
Harold E. Houseman, Laconia, N. H., assignor to Scott and Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Original application February 15, 1940, Serial No. 318,977. Divided and this application August 2, 1940, Serial No. 349,533
14 Claims. (Cl. 66—14)



1. The method of knitting a stocking having reversely concatenated loops forming design structure in both the leg and pouch portions on a machine of the superposed cylinder type which comprises knitting the leg portion on needles in both cylinders by rotary knitting, and knitting said pouch portion on needles in both cylinders by reciprocatory knitting while fashioning of the pouch portion is taking place.

2,252,770
LIGHT SENSITIVE ELECTRODE AND METHOD OF MANUFACTURE
Robert B. Janes, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1940, Serial No. 332,427
15 Claims. (Cl. 250—167)



1. An electrode for an electron discharge device comprising a semi-transparent metal film, a light sensitive coating adjacent and co-extensive with one side of said metal film and a transparent coating of material on the opposite side of said metal film having an optical thickness equal to an odd multiple of 1500 angstroms to increase the normal light transmitting properties of said metal film.

2,252,771
HYDRAULIC STEERING STABILIZER
Morris Katcher, New York, N. Y.
Application November 5, 1938, Serial No. 238,946
7 Claims. (Cl. 280—90)

1. A stabilizer for the steering mechanism of a vehicle comprising a hydraulic cylinder and piston, said stabilizer adapted for connection between a part of the vehicle stationary with respect to the steering mechanism and the steering mechanism, said piston having a portion of substantially less diameter than the inside diameter of the cylinder, a valve sleeve slidably mounted on said portion and extending from the piston to within a short distance from the inside face of the cylinder, providing a clearance thereby between the sleeve and said face, said piston having a least one longitudinally extending groove on said portion, the length of said groove being greater than the length of said sleeve, said groove providing a passage for



fluid from one side of said sleeve to the other when said sleeve is in an intermediate position over said groove, and spring means for normally holding said sleeve in said position, a sudden relative motion between the piston and the cylinder causing the fluid to exert force to remove said sleeve from said position, thereby closing off said passage.

2,252,772
HYDRAULIC STEERING STABILIZER
Morris Katcher, New York, N. Y.
Application August 10, 1939, Serial No. 289,356
12 Claims. (Cl. 280—90)

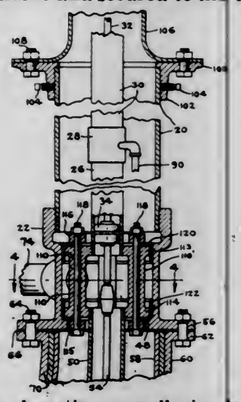


3. A stabilizer for the steering mechanism of a vehicle comprising a liquid containing chamber and a plunger movable therein, said stabilizer adapted for connection between a part of the vehicle stationary with respect to the steering mechanism and the steering mechanism, said plunger having an intermediate portion with its periphery slidably engaging the inside face of the chamber substantially preventing liquid from passing between said periphery and said face, the end parts of the plunger being of less cross-section than said intermediate portion, a valve member slidably mounted on each of said parts and extending substantially to the inside face of the chamber, said plunger having a plurality of ports and passages extending through its intermediate portion and end parts for leading the flow of liquid from one side of the plunger to the other, said valve members in accordance with their positions opening and substantially closing said ports for respectively permitting or substantially cutting off said flow, and spring means for holding the valve members in normal position, said members when in normal position permitting said flow, said flow being substantially cut off when a sudden relative motion of the plunger and chamber displaces a member from its normal position.

2,252,773
PUMP FOR PITLESS WELLS
Arnold J. Lageson, Minneapolis, Minn., assignor to R. R. Howell Company, Minneapolis, Minn., a corporation
Application August 25, 1938, Serial No. 226,726
3 Claims. (Cl. 103—179)

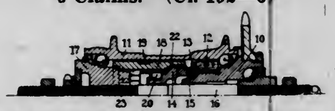
1. In combination a pump head, a casing connected therewith, a cylindrical casting connected with the casing and having an underground dis-

charge pipe leading from the space therein, a second casting formed with spaced top and bottom closure members held together by posts forming part of the castings and bolts running through openings in said posts, said second casting forming in conjunction with the first named casting a substantially open transfer chamber, a well pipe above and secured to the upper closure



of said second casting, a well pipe below and secured to the lower closure of said second casting, a differential sealing plunger working in said upper well pipe above said transfer chamber, and pumping means connected therewith for causing delivery of liquid up the lower well pipe to said transfer chamber and thence to the discharge pipe.

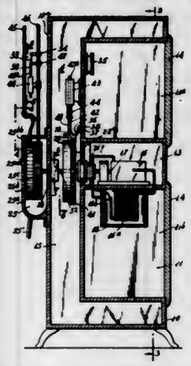
2,252,774
HUB BRAKE MECHANISM
Alfred Lesage, Schweinfurt, Germany
Application July 29, 1939, Serial No. 287,340
In Germany August 13, 1938
6 Claims. (Cl. 192—6)



1. In a hub brake for a bicycle, the combination comprising a wheel hub, a substantially cylindrical brake body non-rotatably mounted within said hub, cones extending into the ends of said brake body and relatively shiftable axially, said brake body having radially inwardly extending projections on its inner periphery riding on said cones, whereby relative axial movement of said cones will expand said brake body towards said hub, the circumferential sections of said brake body between said projections being sufficiently resilient to flex said brake body into conforming contact with the inner periphery of said hub during expansion of said brake body.

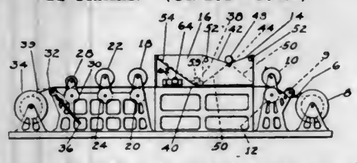
2,252,775
TURBINE DRIVEN REFRIGERATOR
Moe Lichtenstein, New York, N. Y.
Application October 12, 1939, Serial No. 299,093
8 Claims. (Cl. 62—4)

1. In a turbine driven refrigerator unit including a compressor, an operator shaft for driving said compressor, a rotatively supported member connected with said operator shaft, a spring coaxial of said member and having its outer end attached to said member, a water turbine having a high water pressure stage and a low water pressure stage, a transmission system connecting said turbine with the inner end of said spring for winding same, means for releasably holding said member against rotating and controlled by a thermostatic switch for releasing said member when the temperature of the medium surrounding said switch rises above a predetermined level,



a low pressure water supply to the low pressure stage of said turbine, a high pressure water supply to the high pressure stage of said turbine, a valve for normally shutting off the high pressure water supply, and means for temporarily opening said valve when said spring is unwound to a certain degree.

2,252,776
METAL SHEET AND PROCESS OF MAKING AND USING THE SAME
Daniel W. Losee, Patchogue, N. Y.
Application October 10, 1938, Serial No. 234,214
14 Claims. (Cl. 101—401.1)

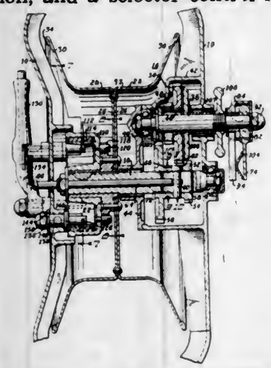


9. A metallic film for photogravure printing comprising finely comminuted copper powder particles oriented and bonded in position by a cellulosic film to form a continuous freely flexible copper surface.

12. The method of producing a film for photogravure printing on a flexible film which comprises applying a coating of powdered metal to a surface of the film and orienting the coating to produce a smooth and chemically continuous surface for etching.

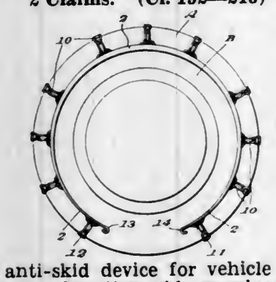
2,252,777
DEEP SEA FISHING REEL
Walter D. Marr, Flint, Mich.
Application January 30, 1939, Serial No. 253,568
6 Claims. (Cl. 242—84.5)

1. A fishing reel comprising, in combination, a frame, a winding drum shaft rotatably supported on said frame, a handle having a shaft rotatably supported in the frame, mechanism operatively coupling the handle shaft with the drum shaft including a hub member on each shaft, each hub member having at least two gear wheels of different sizes arranged for separate engagement with gear wheels on the other hub member, one of said hub members mounted for axial movement relative to its shaft, the other hub member normally held against axial movement on its shaft but connected thereto for joint rotation, and a selector control means op-



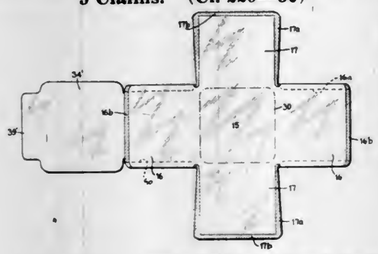
erable axially through the shaft carrying the axially movable hub and connected to the hub for shifting the hub member and changing the engagement of the gear wheels on this member with those on the other hub member.

2,252,778
ANTISKID CHAIN FOR AUTOMOBILE TIRES
Charles A. Morss, West Hartford, Conn.
Application June 3, 1940, Serial No. 338,475
2 Claims. (Cl. 152—213)



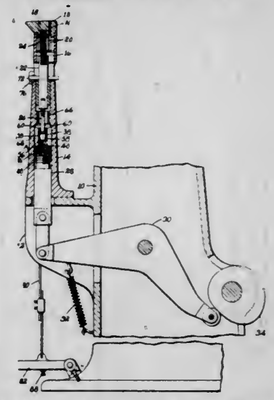
2. An anti-skid device for vehicle tires comprising, in combination, side members joined by a series of spaced cross members, one of said side members comprising a crescent-shaped spring adapted to exert substantially constant force to hold said cross members under tension.

2,252,779
CONTAINER AND METHOD OF MAKING THE SAME
George Arlington Moore, Louisville, Ky., assignor to Humoco Corporation, Louisville, Ky., a corporation of Delaware
Application September 18, 1936, Serial No. 101,406
5 Claims. (Cl. 229—30)



5. A container constituted by a blank including a substantially rectangular central portion, a side flap extending at right angles from each side of said central portion, the margin of said central portion and said side flaps being drawn into flanged relation with the center of said central portion, the side margins of adjacent flaps being adhesively secured together, and a cover flap integral with one of said side flaps and hinged into engagement with the upper margins of said side flaps, said cover flap being adhesively secured to said side flaps entirely around the mouth of the container.

2,252,780
FASTENING-INSERTING MACHINE
Richard Müller, Rodelheim, Frankfort-on-the-Main, Germany, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Appliciation March 4, 1940, Serial No. 322,153
In Germany October 4, 1939
14 Claims. (Cl. 1—32)

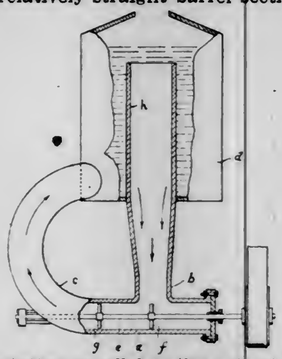


1. In a fastening-inserting machine, a work-support, a fastening-driver reciprocating therein, an actuating member reciprocating with the driver, and means connecting the actuating member and driver, said connecting means being so arranged as to release said driver from the actuating member at a predetermined point only in its travel.

2,252,781
APPARATUS FOR DEFIBERING AND DEINKING PAPERS
Edward Henry Partington, Wembley, and William Henry Porritt, Chilcompton, near Bath, England
Application February 10, 1938, Serial No. 189,850
In Great Britain February 10, 1937
1 Claim. (Cl. 92—20)

In an apparatus for defibering and de-inking aqueous suspensions of steeped and partially disintegrated fibrous materials of the character of paper, the combination of a reservoir adapted to hold a substantial body of said suspension, a cyclic channel originating in said reservoir at a point below the normal liquid level in said reservoir and at its other end returning to said reservoir, said channel comprising a relatively straight barrel section disposed at a level lower than said reservoir and an inlet section arranged to intersect with said barrel section at a relatively sharp angle, a propeller mounted in said channel in the zone formed by the intersection of said barrel section and said inlet section with its axis of rotation parallel to the axis of said

barrel section whereby the centrifugal action of said propeller upon liquid surrounding it when it is rapidly rotated is directed at least in part through said inlet section in a direction away from the barrel section, means for rapidly rotating said propeller, a second propeller mounted in said relatively straight barrel section with its



axis of rotation parallel to the axis of said barrel said second mentioned propellor being positioned at a substantial distance axially from the first mentioned propeller, and means for rapidly rotating said second mentioned propeller in a direction tending to force liquid through said barrel section away from the zone of intersection with said inlet section.

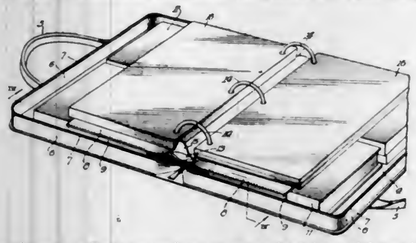
2,252,782
SLIDE LOOP
Carl E. Peterson, Bloomfield, N. J., assignor to Eastern Tool and Manufacturing Company, Bloomfield, N. J., a corporation
Application December 11, 1940. Serial No. 369,524
2 Claims. (Cl. 24—73)



1. A slide loop comprising a wire structure of which a portion lies in one plane; a strap-receiving loop integral with said structure but rearwardly inclined with respect to said plane; parallel outer bar and aligned bar portions with which the strap loop is provided; depending formations with which the outer bar is provided; said formations being disposed spacedly parallel to said plane; and a sheet-metal member hinged upon said aligned bars and having a part carried by said member adapted to be urged into engagement with said formations to thereby clamp a strap inserted within the strap loop therebetween so that the strap thus clamped may retain its parallel relation to said plane throughout its inserted length.

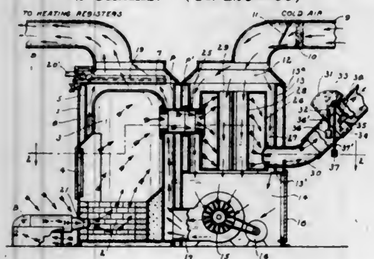
2,252,783
LOOSE LEAF BINDER
John Potts, Chicago, Ill., and George Lynwood Logan, Cleveland, Ohio, assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application August 16, 1939, Serial No. 290,380
7 Claims. (Cl. 129—1)

1. In a loose leaf binder, a pair of cover members connected to an intermediate back member, a pocket member secured to each of said cover



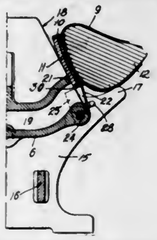
members, a flap member connected to said pocket members, and sheet retaining means secured to said flap member.

2,252,784
HEATING AND AIR CONDITIONING UNIT
Donald H. Powers, Tacoma, Wash.
Application December 14, 1938, Serial No. 245,730
2 Claims. (Cl. 126—99)



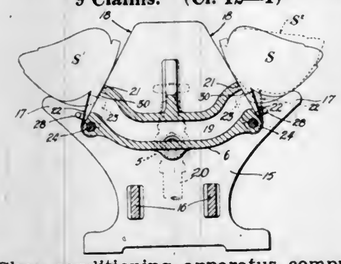
1. In a hot air heating unit, the combination with a furnace having a closed combustion chamber, a fuel burner and means including an intake port for feeding fuel-air to said chamber, a second closed heat-radiating chamber and a flue uniting said chambers for transfer of gases of combustion, and an outlet pipe connected to said second chamber, of means whereby said intake port is closed when the fuel burner becomes inactive, a damper in the outlet pipe, and differential fluid pressure operated means exterior of the pipe whereby said damper is automatically closed when the fuel-burner becomes inactive.

2,252,785
MANUFACTURE OF SHOES
Arthur L. Russell, Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 8, 1939, Serial No. 278,119
5 Claims. (Cl. 12—142)



1. That improvement in methods of treating welt shoes on their lasts to obtain close fitting shanks which consists in subjecting the edge face of the welt together with the edge face and the adjacent tread surface portion of the outsole at the inside shank portion only of a welt shoe to the action of hot moist vapor for a sufficient period to relax the fibers of said portions and, while said fibers are so relaxed, stretching said welt and said outsole margin throughout the length of said shank portion, and simultaneously bending said parts lengthwise and widthwise toward the last and into contact with the shoe upper to cause them to lie permanently in close relation to the upper.

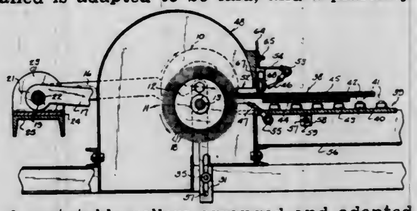
2,252,786
SHOE CONDITIONING APPARATUS
Arthur L. Russell, Boston, and William M. Watson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 8, 1939, Serial No. 278,120
9 Claims. (Cl. 12—1)



1. Shoe conditioning apparatus comprising a shoe supporting nozzle having an inclined surface for engaging the tread face of the shank portion of the outsole of a shoe and a supply duct terminating in an emission port in said surface, supplemental shoe supporting surfaces arranged to engage the upper of the shoe in the forepart and heel portions thereof and to cooperate with said inclined surface to provide a trough-like cradle in which the force of gravity will maintain the tread of the outsole against said inclined surface when one side of the upper of the shoe lies on said supplemental means, means for supplying a conditioning fluid through said duct, and a shield for protecting the upper from the action of the conditioning fluid, said shield comprising a rigid plate overextending substantially the entire area of said port but spaced therefrom so as to enter the crease between the upper and the outsole and being pivotally mounted for adjustment toward and from said port to accommodate shoes having outsoles of different thicknesses.

2,252,787
GLASS CLEANING APPARATUS
Roger G. Sarver, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 25, 1938, Serial No. 209,860
4 Claims. (Cl. 15—21)

2. Apparatus of the character described for cleaning the edges of laminated sheets of glass, comprising a pair of rotatable cleaning brushes arranged side by side, horizontal shafts for supporting said brushes, means for driving said shafts, the said shafts being arranged in substantially the same vertical plane but in different horizontal planes, and means for supporting the laminated sheet to be cleaned horizontally including a table comprising a top, a plurality of roller supports carried by said top, a supporting plate freely supported upon said roller supports and upon which the laminated sheet to be cleaned is adapted to be laid, and a plurality of



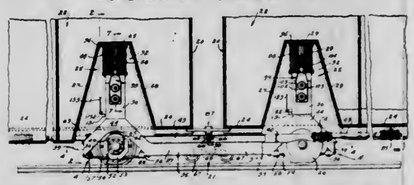
freely rotatable rollers arranged and adapted to engage the top surface of said glass for holding down and guiding the sheet of laminated glass during the cleaning thereof.

2,252,788
VANE ROTOR
Nils Axel Sparr, Stockholm, Sweden
Application July 14, 1938, Serial No. 219,137
In Sweden July 15, 1937
4 Claims. (Cl. 170—10)



1. A rotor of the reactive type and actuatable by a driving fluid comprising an axis, a vane assembly rotatable about said axis, each vane having a cup-like shape, said vanes overlapping each other with their inner ends and each of said inner ends extending past said axis and to a point adjacent to and within the circle of the opening of the adajcent cuplike vane in such a manner as to form a connecting passage for leading the driving fluid from the flowing-on face of one vane to the flowing-off face of the adjacent vane whereby a driving effect is obtained at all inflowing directions of the driving fluid irrespective of the position of the axis and at any time during the entire revolution of the rotor.

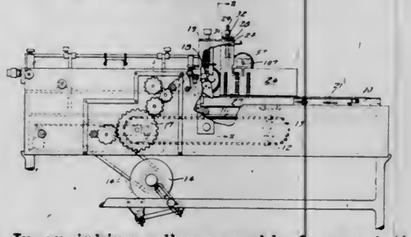
2,252,789
SUSPENSION SYSTEM FOR ARTICULATED VEHICLES
William E. Van Dorn, Pasadena, and Paul K. Beemer, Inglewood, Calif., assignors to Pacific Railway Equipment Company, Los Angeles, Calif., a corporation of California
Original application March 7, 1938, Serial No. 194,260, now Patent No. 2,225,242, dated December 17, 1940. Divided and this application January 29, 1940, Serial No. 316,070
10 Claims. (Cl. 105—4)



9. In an articulated vehicle construction, in combination with two vehicle bodies and a draft transmitting truck common to and positioned under adjacent ends of the two bodies; two body supporting units associated with the truck and each independently supporting a respective body

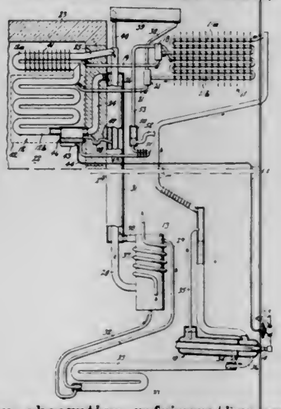
on the truck, each supporting unit being universally elastically flexible, supported at its lower end on the truck and supportingly engaging the body at its upper end, so as to allow the body universal movement relative to the truck by reason solely of elastic flexures of the supporting unit; and mutually independent connections forming the exclusive longitudinal draft connections between the truck and the respective bodies, each comprising a connector independent of the respective supporting unit and located exclusively at substantially the level of the truck and below the level of support engagement of the body, having flexibility vertically, laterally and torsionally about a longitudinal axis.

2,252,790
INKING APPARATUS
John Duke Tyler, Birmingham, Ala.
Application September 20, 1937, Serial No. 164,725
24 Claims. (Cl. 101—344)



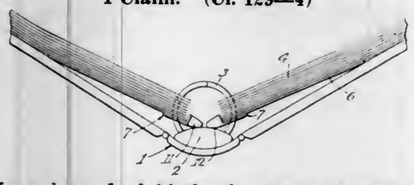
1. In an inking roller assembly for a printing press, form rollers, a plurality of distributing rollers disposed above the form rollers, roller shafts, bearings for the shafts, an outer relatively fixed position frame for the rollers having elongated vertical slots therein for the superposed bearing housings, an inner frame having separate relatively short vertical slots for the several superposed bearing housings, said slots registering with the slots of the outer frame, the bottoms of the upper of said slots being nearer their respective housings than the bottoms of the lower slots, and means to raise the inner frame whereby to separate the rollers.

2,252,791
REFRIGERATION
Hugo M. Ullstrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 26, 1938, Serial No. 198,161
12 Claims. (Cl. 62—119.5)



2. In an absorption refrigeration system containing auxiliary fluid, refrigerant fluid and an absorbent, a plurality of places of condensation, connections for flowing refrigerant fluid through said places of condensation including means for flowing refrigerant fluid selectively in series or in parallel through said places of condensation.

2,252,792
LEAF FLIPPER
Paul O. Unger, Elmhurst, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application May 19, 1939, Serial No. 274,533
1 Claim. (Cl. 129—4)

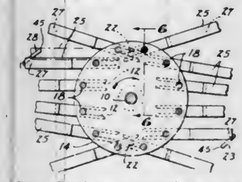


In a loose leaf binder having a plurality of sheet retaining prongs and an arcuate cover plate, a leaf flipper comprising an end sheet fitting over the sheet retaining prongs and a plurality of sheet lifters secured to said end sheet, said sheet lifters each having a ledge adapted to engage the inner edges of a plurality of sheets mounted in said binder to lift said sheets relative to said sheet retaining prongs when the binder is closed and an elongated cam shaped surface to provide a rocking engagement with said cover plate, said cam shaped surface extending outwardly from said ledge and lying between the planes formed by the upper and lower edges of the ledge.

2,252,793
LUBRICATING OIL COMPOSITION
Franklin M. Watkins, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 27, 1940, Serial No. 326,191
5 Claims. (Cl. 252—39)

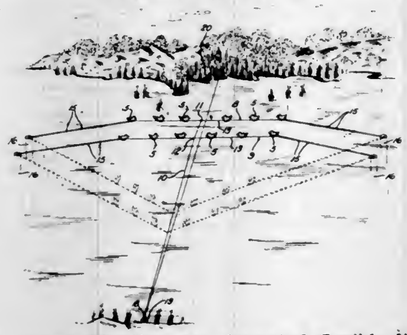
1. A liquid lubricating oil composition comprising a petroleum lubricating oil, about 0.5–2.5% of basic calcium phenyl stearate, about 0.5–3.0% of a solubilizer and about 0.5–1.0% of a thioamid.

2,252,794
DISPLAY DEVICE
Charles H. Welch, Cleveland Heights, Ohio
Application August 15, 1940, Serial No. 352,818
8 Claims. (Cl. 40—35)



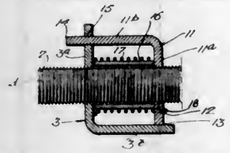
1. A display device comprising a casing having a window therein, a rotary carrier within the casing, a plurality of frames pivotally mounted on the carrier in radial relation, a pin parallel to the rotational axis of the carrier and spaced therefrom, and an arm secured to each frame and having a bifurcated portion arranged to straddle the pin to be actuated thereby, as the carrier is rotated, to swing the frames successively across the window, the bifurcated portions of the arms on adjacent frames being offset from one another longitudinally of the pin to permit simultaneous engagement of the pin by a number of the arms.

2,252,795
DECOY GANG ACTUATING MECHANISM
Charles L. Weems and Paul D. Mays, Quincy, Ill.
Application May 22, 1940, Serial No. 336,544
6 Claims. (Cl. 43—3)



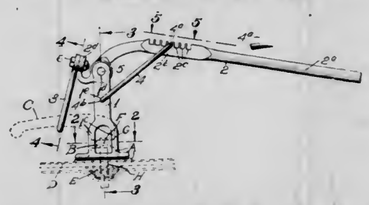
1. In combination, an elongated flexible line, there being a yieldable section in said line, means for anchoring the opposite ends of said line in a body of water with said line in an outstretched condition, a buoyant object, means securing said buoyant object to an intermediate portion of said line, an elongated operating line attached at one end to an intermediate portion of the first-mentioned line, and means slidably anchoring an intermediate portion of the operating line remote from the first-mentioned line in one direction relative thereto, the free end portion of the operating line being extended to another remote point in the opposite direction relative to the first-mentioned line, a pull on said operating line serving to deflect and move the first-mentioned line between its points of end anchorage to cause the object carried thereby to move over the surface of the water.

2,252,796
CONTROL MECHANISM
Percy Whittell, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 1, 1940, Serial No. 332,856
7 Claims. (Cl. 74—441)



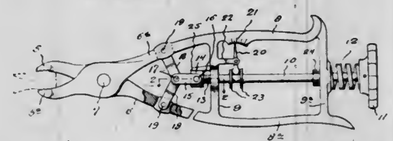
1. A precision control mechanism of the character described including a rotatable drive screw, a driven member threaded on said screw, a stabilizing member threaded on the screw, said members having a portion of each thereof extending at right angles to each other in abutting relation for preventing relative rotation of the members with respect to each other, and an axially expansible spring interposed between said driven and stabilizing members tending to effect the axial separation thereof thereby to maintain the driven member firmly in engagement with one face of the threads on said drive screw so that lost motion and play between said driven member and said drive screw is eliminated and adjustment of the driven member axially of the drive screw takes place immediately upon rotation of said drive screw in either direction.

2,252,797
AUTOMOBILE DOOR HANDLE REMOVER
John L. Allen, San Diego, Calif.
Application May 7, 1940, Serial No. 333,787
11 Claims. (Cl. 254—131)



1. In an automobile door handle remover of the class described, a shield depressing member, an operating lever pivotally mounted thereon and a door handle engaging member mounted on said operating lever at one side of the pivotal connection of said shield depressing member and said operating lever.

2,252,798
DENTAL FORCEPS
Olin B. Arnold, San Antonio, Tex.
Application August 19, 1940, Serial No. 353,311
5 Claims. (Cl. 32—62)

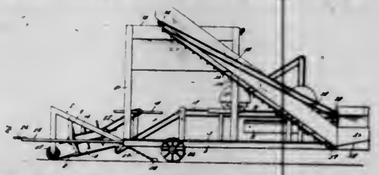


1. Dental forceps comprising a pair of jaws provided with handles, said handles being crossed and pivotally connected together at the point of crossing, a frame rigid with the inner end of the handle of one jaw and entirely unconnected with the handle of the other jaw, said frame including side grip bars and forward and rear transverse bars rigidly connecting said side grip bars, a rod slidable and rotatable through said transverse bars, links connecting the handles of the jaws, a nut connected to the links, said rod having threaded engagement in the nut whereby turning of the rod will cause actuation of the handles for adjusting the jaws toward each other, and a handle on the inner end of said rod for manually rotating the same.

2,252,799
COMBINED BEET HARVESTING MACHINE
Dallas L. Cooper, Stanley A. Boitz, and Robert W. Sumey, Pueblo, Colo.
Application January 10, 1939, Serial No. 250,218
4 Claims. (Cl. 146—85)

1. In a beet harvester, a beet carrying conveyor, a cutting knife mounted for operation adjacent one edge of the conveyor, a second conveyor underlying the first-mentioned conveyor, said second-mentioned conveyor being provided with a trough-like structure, the side walls of which

flare outwardly beyond the edges of the first-mentioned conveyor to deflect beets dropped from



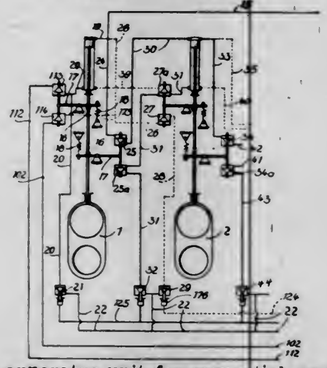
the first-mentioned conveyor on to the second mentioned conveyor.

2,252,800

OPERATING DEVICE FOR WATER-GAS PLANTS, BLAST-FURNACE STOVES, OR THE LIKE

Joseph Daniels, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application February 7, 1938, Serial No. 189,241
In Germany February 8, 1937
7 Claims. (Cl. 303—6)



1. An apparatus unit for sequential control of a series thereof comprising: an hydraulic cylinder and piston therein having a connection for operating an operating element; hydraulic fluid pressure conduits for supply to and exhaust from each of the opposite ends of the cylinder; interlocking control means for control of the fluid pressure for the hydraulic cylinder of another of the apparatus units; and means operable by the connection for the piston of the unit, in predetermined position thereof, for actuating the interlocking control means of the unit for controlling the fluid pressure of the other apparatus unit for which the interlocking means is provided; and in which the interlocking control means of the apparatus unit comprises a pair of valves operable to close and open in unison, with one valve of a pair controlling the supply to one end and the other valve controlling the exhaust from the opposite end of the hydraulic cylinder of the other apparatus unit.

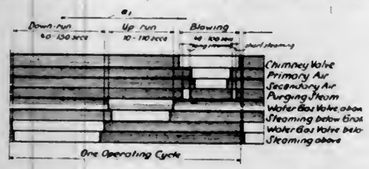
2,252,801

AUTOMATIC CONTROL FOR WATER-GAS PLANTS OR THE LIKE

Joseph Daniels, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application April 2, 1938, Serial No. 199,688
In Germany April 2, 1937
14 Claims. (Cl. 48—83)

1. In apparatus for automatic sequential control of fluid pressure operated valves, a main drive shaft; a control disc thereon; a pilot valve for controlling the operation of an operating valve; actuating means operable by the control disc for actuating the pilot valve, two oppositely disposed arresting cams on the control disc, a check bolt reciprocable into and out of engagement with the arresting cams whereby further movement of the control shaft is checked by one arresting cam during opening movement by the pilot valve and by the other arresting cam during closing movement by the pilot valve, a



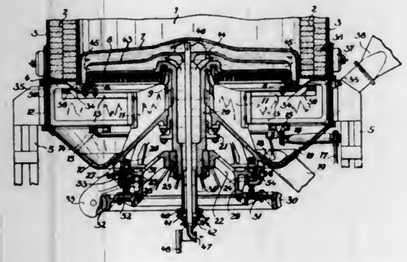
fluid pressure operated cylinder for reciprocating the check bolt; fluid pressure lines therefor each having a valve controlled by the open and closed positions of the operating valve; and timing device operable by fluid pressure in one of the lines controlled by a valve operated by the operating valve in its end position, for timing the open position period of the operating valve, and cut-off valve means operable by said timing means for controlling the flow of fluid pressure in one of the lines to the check bolt operating cylinder, to release the main drive shaft for further movement.

2,252,802

GAS PRODUCER

Joseph Daniels, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application December 8, 1939, Serial No. 308,299
In Germany December 8, 1938
7 Claims. (Cl. 110—165)



1. A gas producer comprising an annular shaft with an outer casing, a stationary grate provide with openings for the passage of ash and gaseous media therethrough, an agitating member mounted for rotation over the upper surface of the grate, an ash receptacle casing underneath the grate firmly connected with the casing of the gas producer shaft, a centrally disposed driving shaft for said agitating member extending through the grate and the ash receptacle casing, said ash receptacle casing supporting the middle of the grate and having a central conical wall around the driving shaft, an adjustable annular bearing for the supporting shaft disposed outside of but beneath the ash receptacle casing, a supporting frame firmly connected with the driving shaft and lying outside the ash receptacle but substantially in the area

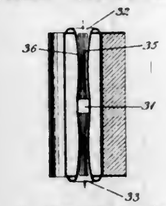
of the central conical wall of the ash receptacle casing and arranged rotatably in said annular bearing.

2,252,803

JET DIGGER SUCTION HEAD

Pierre Durepaire, Nantes, France

Application June 29, 1938, Serial No. 216,628
In France August 2, 1937
1 Claim. (Cl. 37—63)



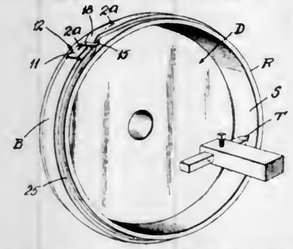
In a device of the character described, a dredger suction pipe, a beak at the end of said pipe, a plurality of slot-like parallel nozzles extending transversely of the beak disposed with their discharge openings inside the beak and directed towards the plane of the mouth of the beak, said nozzles being inclined at an acute angle to the axis of the beak, a horizontal feed conduit for said nozzles coextensive therewith and having intake openings at each end communicating with water outside the beak and a duct extending upwardly from the central portion of said conduit and opening through the upper part of the beak for feeding water to the center of said conduit intermediate its ends.

2,252,804

ANTICHATTER DEVICE

Harold Gass, New York, N. Y.

Application August 16, 1940, Serial No. 352,869
3 Claims. (Cl. 24—198)



2. A buckle for use with a flexible strap comprising a hollow socket for firmly securing one end of said belt, and a U-shaped yoke integrally merged with and downwardly and outwardly overhanging said socket and disposed in an inclined relation to the longitudinal axial plane of said socket and including spaced arms having spaced rectilinear walls defining a gap for removably receiving a portion of said belt and disposed transversely of said buckle, said walls being disposed in an inclined relation to said plane and defining opposite and alternate corner edges, the latter being adapted to removably pinch opposite outside faces of said portion to retain the latter against slippage in a direction lengthwise of said buckle.

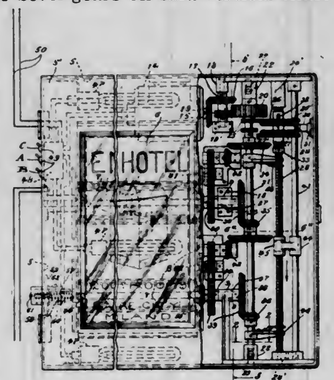
2,252,805

CARRIER CONTROLLED EXHIBITOR

Jack Edward Gruden, Baltimore, Md.

Application February 24, 1939, Serial No. 258,206
3 Claims. (Cl. 40—93)

1. In a display device, a casing, a pair of vertically spaced web carrying rollers having horizontal axes, upper and lower roller driving shafts axially alined with said rollers, a vertically shiftable and rotatable vertical shaft journalled in said casing, a motor, gearing drivingly connecting said motor and vertical shaft for continuously driving said shaft in one direction upon operation of said motor, jack shafts for each of the upper and lower roller driving shafts and respectively geared to the latter, bevel gears on each jack shaft and each roller driving shaft, two pairs of bevel gears on said vertical shaft spaced



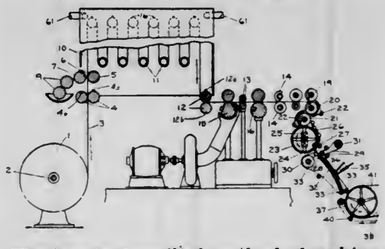
to provide simultaneous engagement of one of each pair with a bevel gear on one jack shaft and one of the other pair with the bevel gear on the driving shaft geared to the other jack shaft, a worm shaft parallel to the vertical shaft, shifting means actuated by the worm shaft for vertically shifting the vertical shaft, and reversing gearing connecting the worm and vertical shafts and arranged to reverse the movement of the worm shaft upon completion of the movement of the shifting means in one direction.

2,252,806

MANUFACTURE OF ONE-PIECE, DRY-SEALING WINDOW ENVELOPES

Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine

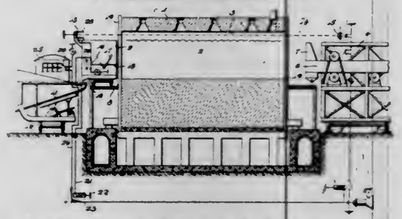
Application October 10, 1938, Serial No. 234,184
2 Claims. (Cl. 93—61)



1. The herein described method of making one-piece, dry-sealing window envelopes in a continuous manner, which consists in first applying, at a given station, a liquid transparentizing medium to different window areas of unperforated envelope material, then drying said areas while subjecting said material to a high degree of heat, then applying, at a station separated from said first station, a liquid dry-sealing adhesive medium to areas of said material different from said window areas, followed by the further drying of both said window and adhesive areas with an application of heat materially less than the heat

accompanying the first drying, with said stations being close enough together to insure the delivery of the material to the adhesive applying station in a preheated and dry condition.

2,252,807
COKE OVEN CHARGING MECHANISM
Albert Häberle and Fritz Koppitz, Essen, Germany, assignors, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application May 19, 1939, Serial No. 274,574
In Germany May 21, 1938
4 Claims. (Cl. 214—23)



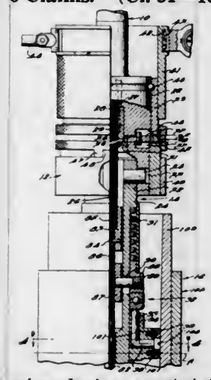
1. Apparatus for aligning a coke-guide car and coke pushing machine at opened doorways at opposite ends of a horizontal coke oven comprising: electrical means on the coke-guide car for emitting a light-ray; means on the coke pushing machine for receiving the light-ray from the coke-guide car; and in which the light-ray emitting element is disposed on the coke-guide car so that the ray is led, when the coke-guide is in place at one end of a chamber to guide the coke therefrom, into the open doorway of the chamber from the coke-guide car through the gas collecting space below the top of the chamber above the charge therein, and emerges through the open doorway at the pusher side; and in which the means for receiving the light-ray comprises a photo-electric cell on the coke pushing machine disposed thereon in position to receive the ray only when the coke-guide and the pusher machine are both in proper cooperative position at opposite ends of the same oven chamber.

2,252,808
SLIP-OFF INGOT AND FEEDER THEREFOR
Albert H. Jung, Flushing, N. Y., assignor to United American Metals Corporation, Brooklyn, N. Y., a corporation of New York
Application August 9, 1939, Serial No. 289,298
12 Claims. (Cl. 22—80)



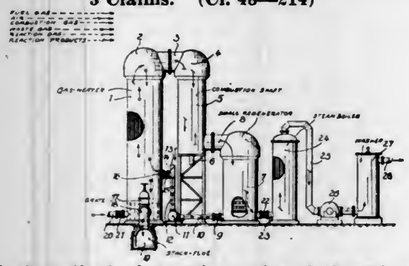
8. The combination of a feeder and a slip-off ingot comprising an ingot having a bifurcated ingot end to form a pair of arms, the said arms being formed with feeder engaging indentations, an ingot engaging element associated with said feeder for supporting said ingot end while it is attached to the remainder of the ingot, said ingot engaging element comprising a portion secured to the feeder and independent of the ingot end, said ingot engaging element also comprising a pair of extending arms for engaging the arms of said ingot end.

2,252,809
TAPERED HONING TOOL
John E. Kline, Grosse Pointe Farms, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application February 18, 1939, Serial No. 257,087
6 Claims. (Cl. 51—184.3)



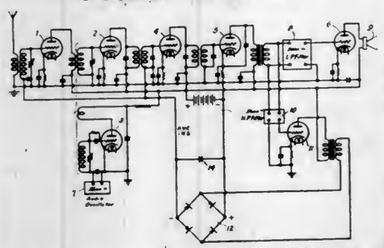
2. In a honing device, a rotatable and reciprocable driving member, a tool connected to said member and having a plurality of radially expanding abrading elements, resilient means for urging said elements outwardly into contact with the work, a stop for limiting outward movement of said elements under the influence of said resilient means, means for adjusting said elements radially independently of said stop, and means for automatically varying the position of said stop as the tool reciprocates with said member.

2,252,810
METHOD FOR CARRYING OUT ENDOTHERMIC GAS REACTIONS IN REGENERATIVE GAS HEATERS
Heinrich Koppers, Friedrich Totzek, and Willy Linder, Essen, Germany, assignors, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application February 6, 1939, Serial No. 254,916
In Germany February 7, 1938
3 Claims. (Cl. 48—214)



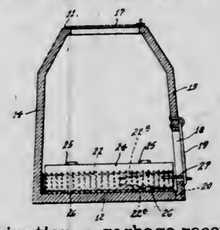
1. A method of carrying out endothermic gas reactions at high temperature in a tower-like regenerator having a checkerwork filler which comprises: heating the gas to be reacted to the reaction temperature by passing the gas upwardly through the checkerwork filler from the bottom to the top of the regenerator tower; preheating the gas in the lower part of the filler and subjecting the gas to enthothermic reaction in the upper part of the filler; drawing the gaseous reaction products off from the top of the regenerator and flowing them through an external combustion zone; then reheating the regenerator checkerwork filler by passing hot combustion gases from the external combustion zone into contact with the filler in the regenerator downwardly therethrough; reheating the endothermic reaction zone of the filler in the upper part of the regenerator to a higher temperature than the preheating zone of the filler in the lower part of the regenerator by passing the full quantity of combustion gases from said combustion zone in a stream through the endothermic reaction zone of the filler in the upper part of the regenerator; reheating the preheating zone of the filler in the lower part of the regenerator to a lower temperature than the endothermic reaction zone in the upper part by withdrawing at an intermediate part of the filler a substantial portion of the stream of combustion gases from the regenerator and passing the remaining portion of the stream of combustion gases on through the lower preheating zone in amount controlled to reheat the same to the lower temperature without overheating the lower preheating zone; mixing the combustion gases withdrawn at the intermediate part with relatively cold combustion media for the external combustion zone; passing the mixture into the combustion zone during combustion therein and mixing the same with extraneous fuel therein.

2,252,811
INTERCARRIER NOISE SUPPRESSOR SYSTEM
Percival D. Lowell, Chevy Chase, Md.
Application July 29, 1940, Serial No. 348,308
6 Claims. (Cl. 250—20)



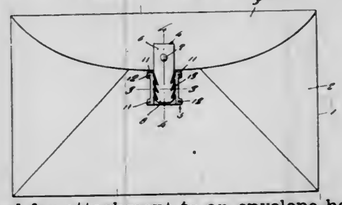
1. In combination, a superheterodyne radio receiving system including amplifier means, a local oscillator, first and second detectors and a sound reproducing circuit, means for modulating said local oscillator at a selected frequency above the range of signal frequencies, a low pass filter interposed between the second detector and said sound reproducing circuit and adapted to pass currents of signal frequencies, a high pass filter connected with said second detector and adapted to pass current of said modulation frequency and a substantial proportion of noise components, current of said modulation frequency being detected in said second detector only with the reception of a carrier in said radio receiving system, rectifier means connected with said high pass filter for producing direct potentials proportional to the intercarrier noise level in said system and to the magnitude of said carrier, and means for applying said potentials to control the gain in said amplifier means, for providing automatic signal threshold control dependent upon the noise level in the absence of a carrier and automatic volume control dependent upon the carrier level in the presence of a carrier.

2,252,812
COMBINED GARBAGE RECEPTACLE AND RAT TRAP
Wallace C. McAnlis, Detroit, Mich.
Application February 17, 1940, Serial No. 319,389
4 Claims. (Cl. 43—65)



1. In combination, a garbage receptacle having an opening in a wall thereof leading into the receptacle, a rat trap within the receptacle and having an inlet communicating with the opening in the wall of the receptacle and a shield member overlying said trap.

2,252,813
SEAL
Cassianus Paoly, Belle Vernon, Pa.
Application October 5, 1939, Serial No. 298,130
1 Claim. (Cl. 229—78)

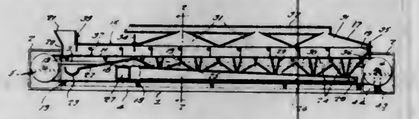


A seal for attachment to an envelope having a body part and a closure flap comprising a strip-like male member, having an apertured end for riveting to said flap and a locking end for projection from said flap provided with saw toothed side edges, and a sleeve-like female member for attachment to said body part and insertion of the locking end of the male member thereinto, said female member having internal saw toothed sides for interlocking with the toothed side edges of said locking end, said toothed side edges and the teeth of said sides being semi-flexible for snap action interlocking under insertion of said locking part into the female part, the teeth of said edges and sides inclining oppositely to prevent retraction of the locking part.

2,252,814
COAL DRYING APPARATUS
George N. Perkins, Widen, W. Va.
Application October 25, 1939, Serial No. 301,274
1 Claim. (Cl. 34—232)

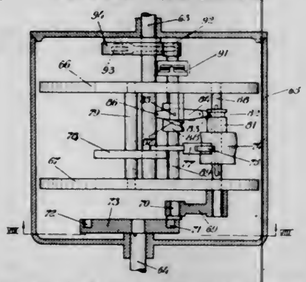
In a coal drying apparatus, an elongated tunnel having an outlet end, an endless foraminous conveyor having a top stretch extending length-

wise through said tunnel and out of said end, a feed hopper at the opposite end of the tunnel for feeding coal onto said stretch to be conveyed through the tunnel, and an elongated manifold beneath the bottom of the tunnel extending lengthwise thereof and for hot air under pressure, the bottom of the tunnel having therein a longitudinally spaced series of hopper-like pockets opening onto said top stretch and provided with a bottom aperture, respectively, establishing



communication between said manifold and pockets whereby hot air from said manifold is discharged into said pockets to expand therein under said top stretch, said manifold tapering rearwardly, and said pockets increasing in size successively in said series from front to rear of the tunnel and said bottom apertures similarly decreasing in size whereby the volume of hot air passing out of said pockets is diminished progressively toward the rear end of the tunnel, and an air outlet manifold for said tunnel.

2,252,815
TRANSMISSION OF MECHANICAL ENERGY
François Marie Michel Bernard Salomon, Paris, France
Application August 6, 1937, Serial No. 157,789
In France February 28, 1936
5 Claims. (Cl. 74—64)



1. A transmission mechanism comprising, in combination, a primary shaft, a secondary shaft, carrier means fixed to one of the shafts, a cam supporting shaft mounted on the carrier means, an arm fixed to the cam supporting shaft, a circular guide carried by the other shaft of the mechanism and eccentrically mounted relative to the said one shaft, a sliding element carried by the end of said arm and engaging in the guide, a cam carried by said cam supporting shaft and capable of sliding thereon, an inertia member carried by the carrier means, movable elements applied against the cam and carried by said inertia member, and means for assuring a periodic sliding of the slidable cam on its supporting shaft.

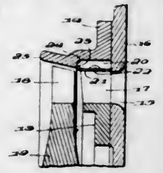
2,252,816
TOOL FOR APPLYING WINDOW SASH SPRINGS
Hemy Santrey, New York, N. Y., assignor to Adell Santrey, New York, N. Y.
Application October 12, 1940, Serial No. 360,976
1 Claim. (Cl. 29—84)

An applying tool for a window sash spring comprising an elongated body having side flanges, the lower end of the body being provided with a finger hold, an elongated strip slidably carried by said body and engaged under the side flanges thereof, and a handle carried by the lower end



portion of the strip and projecting outwardly therefrom between the flanges of the body in position to be grasped and employed as means for shifting the strip from a retracted position within the body to extended position in which it projects from the upper end of the body.

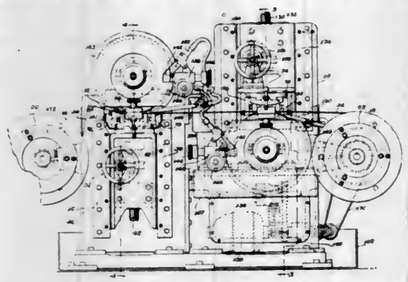
2,252,817
NOZZLE CONSTRUCTION FOR HIGH TEMPERATURE TURBINES
Willem van Rijswijk, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application October 12, 1938, Serial No. 234,687
In Germany November 1, 1937
8 Claims. (Cl. 253—78)



1. Turbine nozzle construction comprising two concentric annular ring members in radially spaced relation, a plurality of guide vanes rigidly mounted peripherally of the inner ring member, the outer ring member having an annular recess in its inner surface providing clearance space between the ring and the outer ends of said guide vanes, and a thin metal cover plate member disposed in and extending across said recess, said cover plate being secured to and bridging the outer ends of said guide vanes.

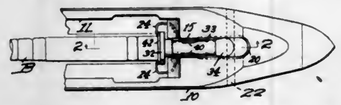
2,252,818
GRINDING MACHINE
Howard E. Somes and Friedrich J. Mueller, Detroit, Mich.
Application July 31, 1940, Serial No. 348,750
13 Claims. (Cl. 51—75)

9. In an apparatus of the class described, a support, a rotatable shaft having a peripheral concentric cutting means thereon, a work table carried on said support, a work guide comprising hinged members, one being slidable on said table and the other having a work rest adapted to hold the work against said cutting means, and means for adjusting the hinged relation of said



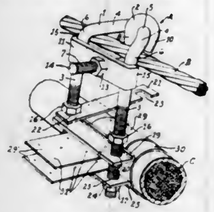
members to vary the angle of said work rest with respect to the cutting means.

2,252,819
LOOM SHUTTLE
Philip L. Spencer, Millbury, Mass., assignor to Watson-Williams Manufacturing Company, Millbury, Mass., a corporation of Massachusetts
Application November 13, 1939, Serial No. 304,033
7 Claims. (Cl. 139—211)



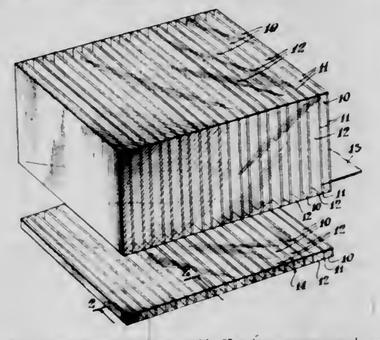
1. In a loom shuttle, in combination, a spindle pivoted in said shuttle, and a spindle-holding spring having spaced bobbin-holding arms which are provided with cam portions engaged by said spindle and separating said arms to receive a bobbin as said spindle is moved downward, said arms being released by said spindle to move inward and clamp the bobbin as the spindle reaches its lowered running position and said cam portions being inwardly positioned and yieldingly supporting said spindle when the spindle is in raised position.

2,252,820
CLAMP
Oscar F. Tallman, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application June 8, 1940, Serial No. 339,577
6 Claims. (Cl. 248—61)



1. A clamp adapted for use in suspending an electrical conductor from an elongated supporting element, comprising a pair of assembled clamping members adapted to clampingly engage said elongated supporting element, one of said clamping members including a pair of spaced legs, a strip of material arranged in partial embracing relation with respect to said electrical conductor and having end portions which extend entirely between said spaced legs of said one clamping member, pairs of plates for clampingly receiving therebetween parts of said end portions of said strip of material, said pairs of plates being supported by said spaced legs of said one clamping member for movement longitudinally thereof while said pair of assembled clamping members are in clamping engagement with said elongated supporting element, and means mounted on said spaced legs of said one clamping member for forcing the plates of each pair of plates into clamping engagement with the part of the strip of material located therebetween and for moving the pairs of assembled plates toward each other to draw the strip of material tightly about the electrical conductor.

2,252,821
MULTICOLORED LAMINATED RESIN PRODUCT
Wesley R. Thompson, Metuchen, N. J., assignor to Catalin Corporation of America, a corporation of Delaware
Application August 17, 1938, Serial No. 225,280
2 Claims. (Cl. 154—43)

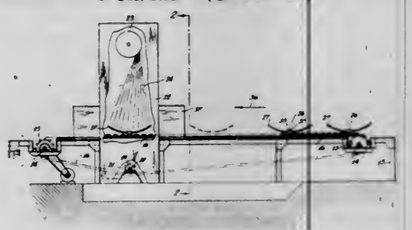


1. A laminated substantially transparent, rigid, flat body having unique decorative effects comprising a plurality of superimposed, transparent, hardened, surface dyed resin sheets combined together to form a substantially unitary body in which the dyed surfaces appear as narrow colored translucent bands of negligible thickness between contiguous sheets, said color bands having the property of transmitting light through said transparent body and partially reflecting the light to provide a variety of colors when the light is incident upon the bands at different angles, said variety of colors being greater in number than the basic colors of the dyed surfaces.

2,252,822
SULPHANILAMIDE SOLUTION
Clarence A. Vogenthaler, Ferguson, Mo., assignor to Donley-Evans & Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application April 13, 1939, Serial No. 267,619
4 Claims. (Cl. 167—65)

4. A non-toxic therapeutic substance in the form of a liquid which is stable at all ordinary temperatures, comprising a mixture that includes approximately 5% sulphanilamide, approximately 48% glucose, approximately 13% glycerine, said percentages being by weight, and water, said therapeutic substance being produced by subjecting said mixture to a temperature of at least 75° C. for a period of time of at least thirty minutes.

2,252,823
APPARATUS FOR SHOT BLASTING LEAF SPRINGS
William H. Wallace, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 28, 1940, Serial No. 358,760
9 Claims. (Cl. 29—90)



1. An apparatus for the cold working of spring leaves, the combination with a shot blasting means and a housing therefor; of an endless conveyor for conducting spring leaves endwise through a continuous fanned out stream of shot from said blasting means disposed in a plane parallel to the longitudinal axes of the spring leaves, a plurality of carrier means mounted on said conveyor and supporting said spring leaves for rocking movement along their longitudinal axes under said shot stream but preventing fore and aft movement thereof relative to said carriers, and said carrier means each having a locating pin for fixing said spring leaves relatively to said carriers but permitting said rocking movement.

2,252,824
PRODUCTION OF TRISAZO DYESTUFFS
Hermann Winkeler, Schkopau, Albert Petz, Mannheim Werner Keller, Dessau, and Ludwig Neumann, Mannheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application July 11, 1939, Serial No. 283,827. In Germany July 23, 1938
8 Claims. (Cl. 260—173)

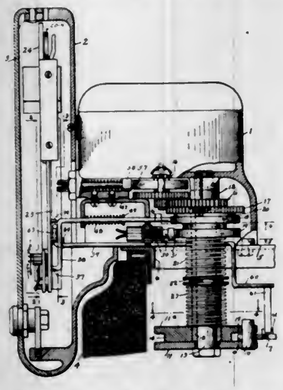
1. Azo dyestuffs corresponding to the general formula

$$A—N{=}N—B_1—N{=}N—B_2—N{=}N—D$$

in which A stands for the radical of an aromatic ortho-hydroxy carboxylic acid selected from the group consisting of the benzene and naphthalene series, B_1 and B_2 stand for members of the group consisting of radicals of the benzene and naphthalene series and phenyl pyrazolone radicals and D stands for the radical of an aminohydroxynaphthalene sulfonic acid coupled alkaline the amino group of which is united with a radical of the benzene series containing a carboxylic acid group and a hydroxy group in ortho-position to each other.

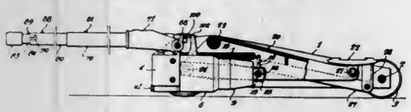
2,252,825
AUTOMATIC COIN-CONTROLLED ELECTRICALLY OPERATED STEP-BY-STEP MECHANISM
Robert R. Witherell, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois
Application May 5, 1938, Serial No. 206,115
8 Claims. (Cl. 194—10)

1. A coin actuated electrically operated step-by-step mechanism for a dispensing cabinet having a rotatable turn table for dispensing articles therefrom, an electric motor having a drive shaft for rotating said turn table to present said articles in position for dispensing upon completion of a cycle of operation thereof, a pair of normally open switches connected in parallel in the motor circuit, a tiltable arm actuated by the weight of a coin thereon for closing one of said normally open switches to initiate operation of said electric motor, means for directing said coin to said tiltable arm, means for releasably retaining said coin on said arm, a cam mounted on said driving shaft, means actuated by said



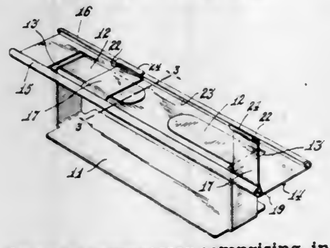
cam for closing the other of said normally open switches, a second cam mounted on said driving shaft, and means including said second cam for releasing said coin from said tiltable arm and thereby permitting automatic operation of said first mentioned switch into a normally open condition after said second mentioned switch has been operated into a closed condition to maintain operation of said motor, said first mentioned cam operating said last mentioned switch into a normally open condition upon completion of a cycle of operation.

2,252,826
HYDRAULIC JACK
Adam Ziska, Wauwatosa, Wis., assignor, by mesne assignments, to American Hydraulics, Inc., Fond du Lac, Wis., a corporation of Wisconsin
Original application July 14, 1939, Serial No. 284,437. Divided and this application July 25, 1940, Serial No. 347,347
6 Claims. (Cl. 103—41)



1. A pump for supplying liquid under pressure comprising a body portion, a handle pivoted to said body portion for operating said pump, said handle including an outer revoluble end portion, a relief valve for relieving pressure, and means including gearing means operatively connecting the outer revoluble end portion of said handle to said relief valve, said gearing means including three gear elements one of which is an intermediate gear element and maintains operative connection between the outer revoluble end portion of said handle and said relief valve independently of the angular position occupied by said handle, said handle being oscillatable independently of any oscillation of said intermediate gear element.

2,252,827
FASTENER
Elmer L. Zwickel, Chicago, Ill., assignor to Acco Products, Inc., Long Island City, N. Y., a corporation of New York
Application August 23, 1937, Serial No. 160,431
9 Claims. (Cl. 24—153)



3. A fastener compressor comprising, in combination, a substantially flat member, latches hingedly slidably mounted on said member confined one to each end, and yieldable co-acting means on said latches and on said member to frictionally lock the latches in a predetermined position of longitudinal adjustment on said member.

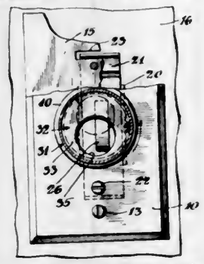
2,252,828
SECONDARY XENOXY-ALKYL-AMINES
Francis N. Alquist and Harold R. Slagh, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application April 19, 1939, Serial No. 268,824
9 Claims. (Cl. 260—571)

1. A compound selected from the group consisting of (1) secondary amines having the formula

$$R—O—R'—\underset{\displaystyle H}{\overset{|}{N}}—R''$$

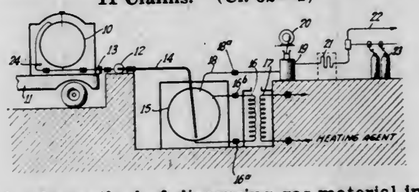
wherein R represents a xenyl radical, R′ represents a lower alkylene group, and R″ represents an oxygen-containing organic residue selected from the group consisting of hydroxy-aryl, hydroxy-alkyl, alkoxy-aryl, alkoxy-alkyl, aryloxy-aryl, aryloxy-alkyl, and furfuryl radicals and wherein all substituted aryl groups, as designated by R″, are members of the benzene series, and (2) the hydrochlorides thereof.

2,252,829
SWITCH PLATE
William B. Bell, Millburn, N. J.
Application May 2, 1940, Serial No. 332,881
3 Claims. (Cl. 200—172)



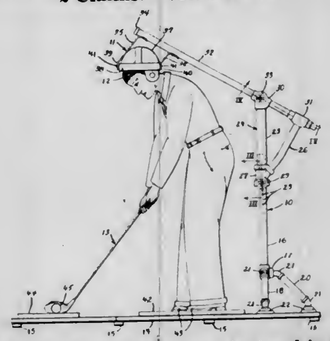
1. An outdoor waterproof switch plate comprising a cover plate having an opening to receive the oscillating control lever of a tumbler switch, a cap rotatably mounted on said plate and forming a closure for said opening, said cap having an inner wall provided with an eccentric opening adapted to receive said lever, said cap being mounted off-center with respect to said control lever whereby said lever is actuated in response to movement of said eccentric opening.

2,252,830
METHOD AND APPARATUS FOR DISPENSING GAS MATERIAL
Lyman A. Bliss, New York, and John J. Murphy, Mount Vernon, N. Y., assignors to The Linde Air Products Company, New York, N. Y., a corporation of Ohio
Application May 24, 1939, Serial No. 275,374
11 Claims. (Cl. 62—1)



1. The method of dispensing gas material in a liquid phase having a boiling point below 233° K. at atmospheric pressure, which comprises delivering during a service period a series of charges of the gas material to a consuming installation through a common receiving device, vaporizing without superheating the charges received to provide continuously during said period a cold gas phase at a pressure not substantially different from atmospheric, and thereupon elevating to the desired service value the pressure of said cold gas phase by the use of mechanical energy.

2,252,831
GOLFER'S TRAINING RACK
Edward W. Botts, Chicago, Ill.
Application June 19, 1940, Serial No. 341,247
2 Claims. (Cl. 273—35)



1. A mobile device for use in teaching the art of golf comprising a tubular standard having a row of apertures intermediate its ends, angularly extending foot braces on said standard for holding it in an upright position, a V-shaped member having tubular legs, one of said legs being arranged to embrace said standard for sliding movement therealong, screw means on said V-shaped member having an end arranged to seat in one of said row of apertures for holding said member in an adjusted position to which it is moved, spaced tubular members carried at the divergent ends of said legs and being arranged in axial alignment, a longitudinally movable tubular

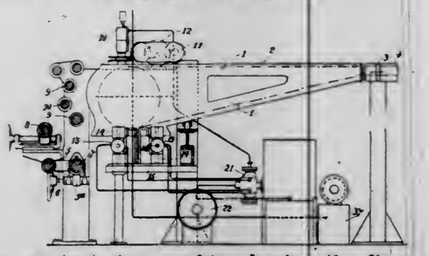
arm extending through said spaced tubular members, means for holding said arm in an adjusted position to which it is moved, and means on said arm for holding a golfer's head in its adjusted position when the golfer assumes a proper stance.

2,252,832

MACHINE FOR HANDLING MATERIALS IN WEB FORM, ESPECIALLY STENTERING MACHINES

Arthur Stirling Brown, Pollokshaws, Glasgow, and John Dalglish and Kenneth Somerville Laurie, Glasgow, Scotland; said Brown and said Laurie assignors to said Dalglish

Application October 14, 1939, Serial No. 299,432
21 Claims. (Cl. 26—57)



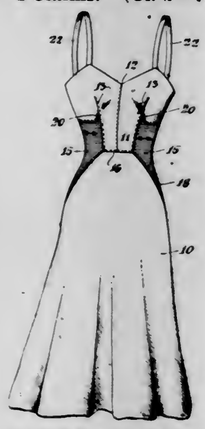
1. A stentering machine having the lines of travelling retaining elements each displaceable laterally independently of the other for alignment with the corresponding fabric edge, hydraulic means by the power of which said lines of elements are displaced, and a pneumatic control system to which air is supplied continuously under pressure above atmospheric and variations in the pressure in which control said hydraulic means for the displacement of each line of elements, said system having therein a variable air-release operated to vary the release of air, and thus the controlling pressure, automatically in accordance with the position of that fabric edge to which the system corresponds, as the said edge moves into the machine.

2,252,833

SLIP

Esther Cadous, Brooklyn, N. Y.

Application November 19, 1940, Serial No. 366,219
4 Claims. (Cl. 2—73)



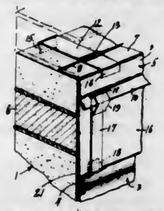
1. A slip comprising a skirt section, a front midriff panel, a bust section having bust pockets formed therein, and a back panel co-extensive with said front midriff panel and said bust section, a pair of side panels of one-way stretch elastic fabric joined at the sides of the slip to said back panel and joined to said front midriff panel at about the line of the center of said bust pockets, said elastic panels having substantially uniform width from about the waistline of the slip to a point beneath the bust section and being tapered in width from about the waistline to a point at the hipline where the slip is of greatest width, whereby the width of said elastic panels is approximately in proportion to the amount of stretch required at the various portions of the slip to enable the slip to pass over the hips and to be contracted to a form fitting shape when in place on the wearer, said panels having points extending upwardly to about the center of said bust pockets for contracting the same to form-fitting position.

2,252,834

ROOF FLASHING

Hal Callaway, Los Angeles, Calif.

Application September 19, 1939, Serial No. 295,610
5 Claims. (Cl. 108—26)



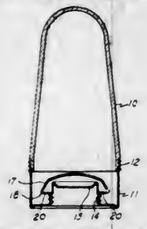
3. In a wall and roofing material connection for a masonic roof, the combination of a flashing having a section adapted to be embedded in said masonic structure, the flashing having a vertically extending skirt, a counterflashing adapted to be interposed between the skirt and the masonic structure, and spaced locking strips adapted to be releasably engaged under the lower edge of the counterflashing and with the flashing for holding the same releasably in position.

2,252,835

SHAKER FOR GRANULAR MATERIAL

Joseph C. Chenette, Flat Rock, Mich.

Application January 24, 1940, Serial No. 315,315
3 Claims. (Cl. 65—45)



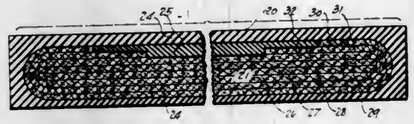
1. A shaker for granular material including a container open at the lower end, a removable base on the open end provided with a discharge opening surrounded by an upstanding wall having a threaded section thereon adjacent its lower end, a hollow metering part threaded to and held in position by the upstanding wall of said base and having a substantially dome shaped upper end overlying in spaced relation the plane of said discharge opening, a plurality of longitudinally extending chambers concentrically surrounding the discharge opening defined by the base and said metering part in communication at the upper end with said discharge opening, openings in said metering part below said discharge opening in communication with the material in the container and said chamber so that material may flow from the container into the chamber between said parts to be deflected out of said discharge opening by the under-surface of said dome portion, when an up and down shaking motion is imparted to the shaker.

2,252,836

BELTING AND LINING MATERIAL

Walter H. Curry and John T. Potts, Salt Lake City, Utah

Application February 11, 1939, Serial No. 255,844
9 Claims. (Cl. 74—232)



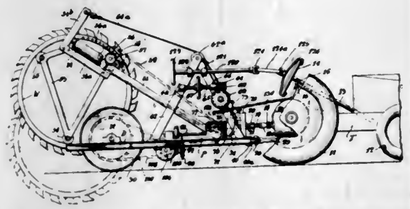
1. A laminated sheet belting and lining material comprising a sheet layer of relatively strong and tough flexible material forming a carcass, an intermediate sheet layer of a substantial thickness of soft, dense, resilient rubber bonded to said carcass layer, and a cover sheet of flexible rubber bonded to said intermediate layer, the rubber of said cover sheet being appreciably harder than the rubber of said intermediate layer.

2,252,837

DITCHING MACHINE

Allen A. Dicke, Montclair, N. J.

Application April 27, 1940, Serial No. 332,039
12 Claims. (Cl. 37—97)



1. In a ditching machine adapted for connection with a standard farm tractor provided with a power take-off, the combination of a frame, ground engaging means secured to said frame, excavating mechanism, and means for driving said ground engaging means and excavating mechanism, said means being connected with for operation by the power take-off of said tractor.

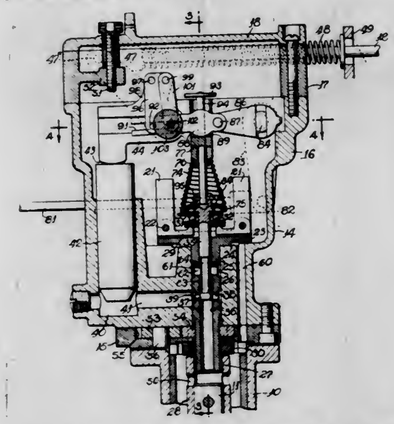
2,252,838

GOVERNOR

George Forrest Drake and George Sorensen, Rockford, Ill., assignors to Woodward Governor Company, Rockford, Ill., a corporation of Illinois

Application March 17, 1939, Serial No. 262,572
8 Claims. (Cl. 264—3)

1. In a fluid actuated governor, the combination of a hollow casing, a fluid control valve within said casing having an endwise shiftable member, a head rotatable in said casing around the axis of said member and carrying flyballs connected to the member, a coiled speeder spring connected at one end to said member and acting to oppose said flyballs, parallel slideways formed in opposite walls of said casing and extending parallel to said member, a cross head slidable in said ways and connected to the other end of said spring to form a guide therefor, and means for adjusting the position of said cross head to vary the stress of said spring.



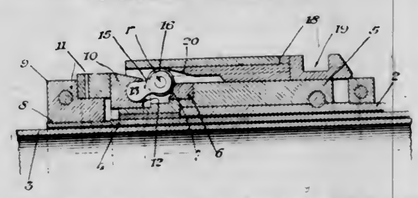
5. In a governor, the combination of a valve having a rod shiftable axially in response to changes in the speed of a rotary member, a speeder spring urging said rod in one direction, a floating lever swingable about first and second fulcrums to adjust said spring, means for shifting one of said fulcrums to change the speed setting of said spring, and a servo motor controlled by said valve and moving said other fulcrum to actuate said lever automatically.

2,252,839

FINGER HOLDER

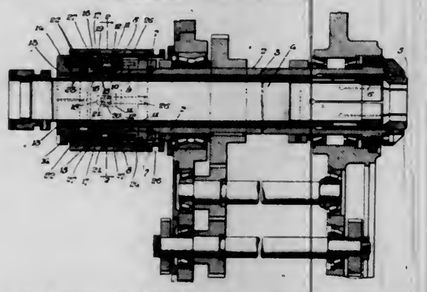
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio

Application February 21, 1939, Serial No. 257,604
5 Claims. (Cl. 279—1)



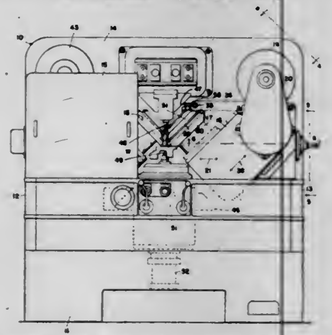
1. A finger holder for a chuck or collet-carrying spindle and comprising a pair of opposed spaced members shiftable relative to each other and having the faces thereof opposed to each other formed one as a tapered cam face and the other with a substantially circular recess forming a socket, a toggle link having an enlarged end complemental to said circular recess and rotatably carried therein, thereby forming a toggle joint and having at its opposite end a roller engaging said tapered cam face, and shiftable means having a cam for engaging said roller at an angle to said opposed faces and effective to depress the roller along the tapered cam, thereby straightening the toggle and operating the chuck or collet.

2,252,840
DOUBLE TOGGLE FINGER HOLDER
Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application December 27, 1939, Serial No. 311,107
7 Claims. (Cl. 279—1)



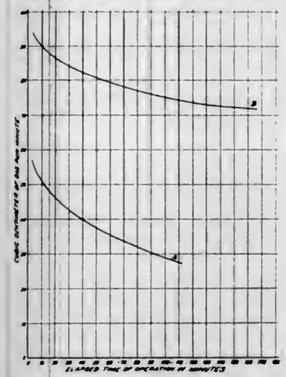
1. A finger holder for a chuck or collet of a rotary spindle automatic screw machine and comprising a double toggle consisting of a pair of toggle levers having overlapping inner ends, a roller at the juncture thereof, each lever having an enlarged cylindrical end, a pair of relatively shiftable members having enlarged cylindrical sockets for the reception of the cylindrical ends of the levers, and sliding cam means cooperating with the roller for depressing the roller to spread the toggle, the diameter of the roller, length of the levers and diameters of the cooperating lever ends and sockets so proportioned and constructed relative one to the other that when the roller is released and the socketed members are relatively shifted toward each other, the distance between the opposing faces of said socketed members will substantially coincide with the diameter of the roller thereby permitting the use of this toggle in a small compact space without affecting the efficiency thereof.

2,252,841
MACHINE TOOL
Robert S. Drummond, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application October 16, 1939, Serial No. 299,718
23 Claims. (Cl. 90—20)



1. A machine tool comprising a frame providing a housing open at the front; a pair of tool spindles in said housing; means for adjusting each of said spindles along intersecting paths; means for rotating said spindles; a work support mounted for travel in a direction perpendicular to said paths, from a working position intermediate said tool spindles to a loading position toward the open side of said housing; and means for rotating said tool spindles.

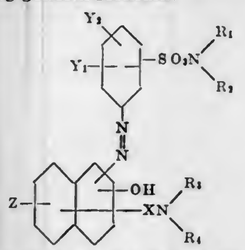
2,252,842
TREATMENT OF HYDROCARBONS
Harold Fehrer, Nutley, N. J., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
Application November 3, 1938, Serial No. 238,518
3 Claims. (Cl. 260—668)



2. The method of making aromatic hydrocarbons which comprises contacting an aliphatic hydrocarbon having the same number of carbon atoms per molecule as a desired aromatic hydrocarbon with a catalyst comprising as an active ingredient an intimate mixture of oxides of chromium and tin at elevated temperature for a time longer than that necessary to effect simple dehydrogenation to effect cyclization of said aliphatic hydrocarbon and conversion thereof to an aromatic hydrocarbon having the same number of carbon atoms per molecule as said aliphatic hydrocarbon.

2,252,843
MONO-AZO DYESTUFFS INSOLUBLE IN WATER
Ernst Fischer, Offenbach-on-the-Main, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 6, 1939, Serial No. 277,623. In Germany June 7, 1938
5 Claims. (Cl. 260—204)

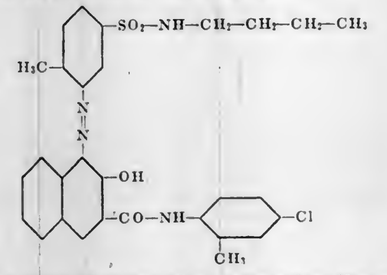
1. The water-insoluble mono-azo-dyestuffs of the following general formula:



wherein X stands for one of the groups —CO— and —SO_2—, Y stands for a member of the group consisting of hydrogen, alkyl, alkoxy, benzyloxy, phenoxy and halogen, Y_2 for a member of the group consisting of hydrogen, alkyl and alkoxy, Z for a member of the group consisting of hydrogen, alkoxy and halogen; R_1, R_2, R_3 and R_4 stand for members of the group consisting of alkyl, benzyl, radicals of the benzene and naphthalene series and hydroaromatic radicals, which maybe connected to form a heterocyclic ring system, being insoluble in water, but very easily soluble in organic solvents and yielding orange, red and brown shades of good properties of fastness.

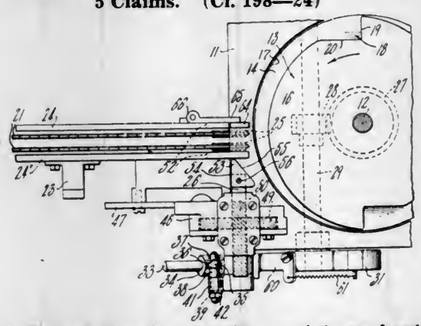
2,252,844
AZO DYESTUFFS INSOLUBLE IN WATER
Ernst Fischer, Offenbach-on-the-Main, and Ernst Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application July 29, 1939, Serial No. 287,254. In Germany August 6, 1938
1 Claim. (Cl. 260—204)

The azodyestuff of the formula:



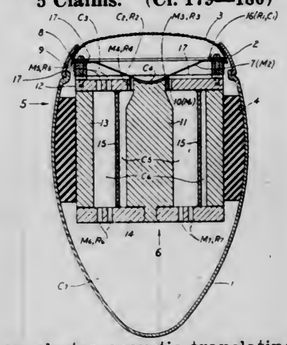
which dyestuff yields when prepared on the vegetable fiber clear bluish red shades of good fastness to washing and boiling and very good fastness to light.

2,252,845
CONTAINER HANDLING APPARATUS
Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application December 13, 1938, Serial No. 245,374
5 Claims. (Cl. 198—24)



1. In a device for capping containers having relatively long and narrow horizontal cross sections, the combination of a rotary star wheel, a conveyor adapted to continuously urge a solid line of said containers toward said star wheel, guide means associated with said conveyor for maintaining said containers in a path approximately radial to said star wheel, said star wheel having notches therein adapted to receive said containers in positions wherein the longer cross-sectional dimensions thereof extend substantially circumferential of said star wheel, a wedge shaped member reciprocable across the path of said conveyor, and means for reciprocating said member, said member and said guide means together being effective to separate a container from said solid line and to coact with said star wheel and turn said container about its vertical axis into engaging position relative thereto.

2,252,846
ACOUSTIC DEVICE
Gabriel M. Giannini, Great Neck, and Richard W. Carlisle, Greenburg, N. Y., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 30, 1938, Serial No. 232,658
5 Claims. (Cl. 179—180)

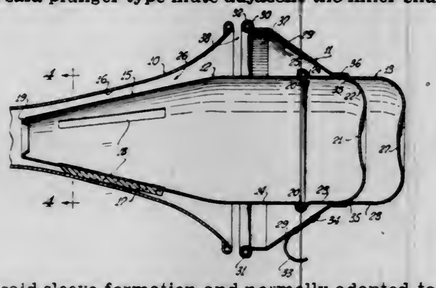


1. In an electro-acoustic translating device, in combination, a voice coil and diaphragm assembly, resilient mounting means therefor, a magnetic structure having a longitudinally disposed core so arranged as to cause a constant magnetic flux to emanate from said core and permeate said voice coil, means for enclosing the side of said diaphragm disposed toward said magnetic structure, means for dividing the air volume within said magnetic structure into a plurality of chambers one of which surrounds and extends the full length of said core and the other of which surrounds the full length of said first chamber, an additional acoustic enclosure abutting on said magnetic structure, and a plurality of acoustic vents in one end of said magnetic structure connecting each of said plurality of chambers with said additional inclosure, whereby a plurality of acoustic inertances and compliances are constituted and made to reenforce the action of said diaphragm over a wide frequency band.

2,252,847
COMBINATION MUTE
Sidney A. Greenspan, Chicago, Ill.
Application November 15, 1940, Serial No. 365,805
3 Claims. (Cl. 84—400)

1. In a mute structure for a wind instrument having a flared bell, said structure comprising a straight mute having a frusto conical body conforming to the shape of the inner wall of said bell and means on said body adapted to frictionally engage the inner wall of the bell to maintain said straight mute in spaced relation with respect to the bell, and a plunger type mute removably attachable to said straight mute, the combination of means for frictionally arranging said plunger type mute on said straight mute, said means comprising a cylindrical end on the straight mute and a sleeve portion formed in the plunger type mute complementary to said cylin-

drical end on the straight mute and adapted to fit slideably upon the latter, a shoulder formation on said plunger type mute adjacent the inner end



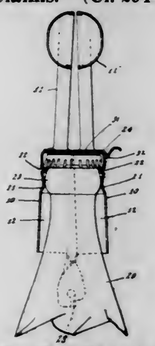
of said sleeve formation and normally adapted to engage the end of said straight mute to limit the extent to which said sleeve portion is to extend over said cylindrical end.

2,252,848

BOTTLE CARRIER

Bertis F. Hamilton, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana

Application April 5, 1940, Serial No. 328,014
5 Claims. (Cl. 294—87)



1. A device for handling bottles, comprising a pair of members hingedly interconnected on a horizontal axis, the opposed faces of said members above such axis being provided with a plurality of pairs of downwardly opening recesses, the two recesses of each pair being arranged respectively in said two members to receive the neck of a bottle having a bead near its upper end and a crown cap above said bead, said recesses having closed upper ends adapted to engage the cap on a bottle and thereby locating the device vertically relative to the bottle, the walls of said recesses being provided with inwardly projecting ribs adapted to extend beneath the rim of the bottle cap and being formed to engage such bead below its plane of greatest diameter when said two members are brought together by movement about their axis of interconnection, spring means tending to force said members apart, and a handle on each of said members, said handles having opposed grip portions parallel to the axis of interconnection of said members and disposed above the recessed portions of the members.

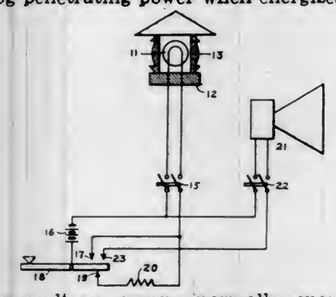
2,252,849

LIGHT AND SOUND SIGNALING SYSTEM

John Hays Hammond, Jr., Gloucester, Mass.

Application May 14, 1938, Serial No. 207,871
1 Claim. (Cl. 177—329)

A combined fog signal system and running light for a vessel, comprising an incandescent lamp of the photoflood type normally operating on a given normal voltage and having the characteristic of producing an intense light having great fog penetrating power when energized at a



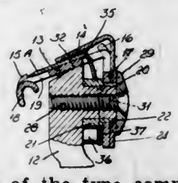
given overvoltage, means normally energizing said lamp at said normal voltage to constitute a usual running light of the vessel, and means selectively energizing said lamp at said overvoltage for signaling purposes.

2,252,850

RAZOR

Hermann Hill, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey

Application March 24, 1939, Serial No. 263,834
5 Claims. (Cl. 30—40)



1. In a razor of the type comprising a support and a shaving head thereon provided with a guard and adapted to be rotated from a position in line to receive a blade from a blade-ejecting mechanism to a position for shaving, blade-edge abutments located on the head and positioned to locate the edge of a blade with respect to the guard, means in the head providing a blade-retaining channel, a lever with one end projecting into the channel at a point remote from the abutments, and cam means on the support adapted to actuate the other end of said lever as said head is rotated to shaving position to force the edge of a blade in said channel against the abutments, and to operate on the arm of said lever that projects into the channel to release said blade from said abutments as the head is rotated to blade-receiving position, the said lever being fulcrumed between its ends.

2,252,851

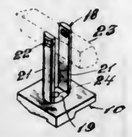
METHOD OF MAKING A JEWELRY ARTICLE

Irving Hopfenberg, Providence, R. I., assignor to Freeman-Daughaday Company, a corporation of Massachusetts

Application March 15, 1939, Serial No. 261,889
3 Claims. (Cl. 29—160.6)

1. The method of attaching two parts of a jewelry article together which consists in striking a recess in the surface of a head member of out-of-round shape and simultaneously forming a single integral projection in the recess at the center thereof and extending outwardly from its bottom, forming a U-shaped member having a base portion of corresponding out-of-round shape

to fit snugly the recess and perforated to receive the projection, placing said base portion of the U-shaped member into said recess so as to be seated therein with the projection extending



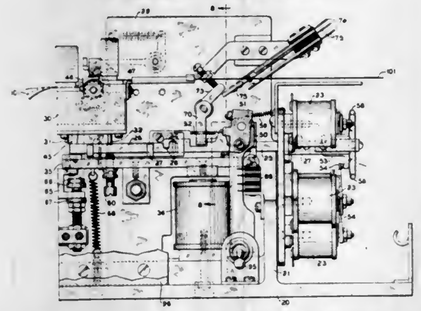
through the hole in said base, and then heading the end of said projection over and upon the inside face of the base portion of said U-member adjacent said projection to firmly hold the parts together.

2,252,852

TELEGRAPH PERFORATOR

Ray Hoover, Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application May 19, 1937, Serial No. 143,616
Renewed July 29, 1939
16 Claims. (Cl. 178—92)



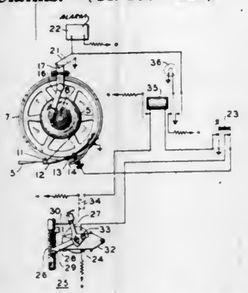
1. A tape perforator comprising a punch hammer, movable selector bars, latching means for said bars, a resetting member for said bars to restore the same to latched position and means including a pawl carried by said punch hammer for actuating the resetting member and an unlatched selector bar.

2,252,853

WEB CONTROLLED SIGNAL

Ray Hoover, Plainfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Original application May 19, 1937, Serial No. 143,616. Divided and this application July 1, 1938, Serial No. 216,866
6 Claims. (Cl. 177—311)



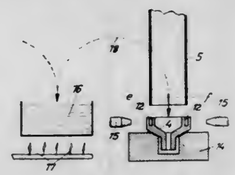
4. In combination, a tape perforator, a strip of tape, means in said perforator for normally feeding tape therethrough, an electrical circuit, a member engaging said tape, and means including said member responsive to the feeding of the tape through the perforator for controlling said circuit upon the failure of the tape-feeding function.

2,252,854

TUBULAR CONTAINER

Gustav Hübner and Werner Friedrichs, Berlin, Germany, assignors to Hafta Handelsgesellschaft für Technische Neuheiten mit beschränkter Haftung, Berlin, Germany, a company

Application October 4, 1938, Serial No. 233,150
In Germany October 4, 1937
5 Claims. (Cl. 93—55.1)



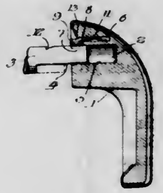
1. In the art of manufacturing collapsible tubular containers of cellulosic material having at least one end thereof cemented in an annular recess of a rigid closure member, wherein said recess has a width substantially of the order of the thickness of the containers the steps of introducing a measured quantity of fusible cement in powdered state into the recess of a closure member, melting the cement in said recess, and inserting a tube into said recess and allowing the molten cement to solidify to effect a tight joint between said tube and closure member.

2,252,855

FASTENING MEANS FOR DETACHABLY SECURING HANDLES TO OPERATING SHAFTS

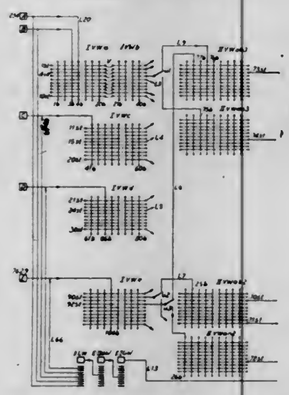
Harry E. Lasch, Chicago, Ill.

Application February 3, 1940, Serial No. 317,209
8 Claims. (Cl. 292—353)



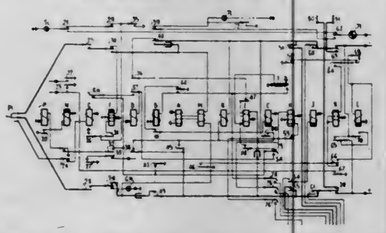
1. Motion transmitting means of multi-part construction comprising a non-circular shaft and a handle for receiving said shaft, one of said parts having a recess therein and a second recess adjacent its first-named recess, and a spring element formed with a laterally offset securing shank mounted in said second-named recess, the marginal portions of said shank being spaced apart a substantially greater distance than the width of said second-named recess whereby the same is frictionally mounted therein, said spring element extending into the first-named recess of said one of said parts and extending laterally from said recess for frictionally engaging the other of said parts for holding the same in assembled relation.

2,252,856
TELEPHONE SYSTEM
Fritz Lubberger, Berlin-Grunewald, Germany, assignor to Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany
Application February 17, 1939, Serial No. 256,979
In Germany February 18, 1938
18 Claims. (Cl. 179—18)



1. In an automatic telephone system having separate setting and speaking routes for extending connections between calling and called lines, a control point, automatic switches controlled over a calling line for extending connections to said control point, another series of automatic switches controlled one after another over the calling line to extend a setting connection progressively to the line of a called subscriber, each of said last switches operated in turn over the preceding switch in said series as said setting connection is extended, a third series of switches each having several incoming lines and several outgoing lines accessible thereto, and means controlled from said control point for operating said third series of switches to extend a speaking connection from the called line to the control point and release the setting connection.

2,252,857
TELEPHONE SYSTEM
Smart Sampson McAndrew and Clemente Migliasso, Milan, Italy, assignors to Associated Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application March 27, 1939, Serial No. 264,288
In Great Britain March 29, 1938
15 Claims. (Cl. 179—27)

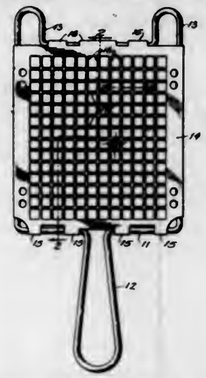


1. In a telephone system, a plurality of subscribers' lines, a link circuit common to said lines, means for connecting said link circuit to a calling one of said lines to permit the extension over said link of the desired call, and means responsive to said connection of the link to the calling line for automatically applying ringing current to said calling line to signal the calling subscriber.

2,252,858
ELECTRIC INSULATING MATERIAL
Martin Mugdan, Munich, and Josef Wimmer, Burghausen, Germany, assignors to Consortium für Elektrochemische Industrie, G. m. b. H., Munich, Germany, a corporation of Germany
No Drawing. Application December 20, 1938, Serial No. 246,802. In Germany December 29, 1937
1 Claim. (Cl. 252—66)

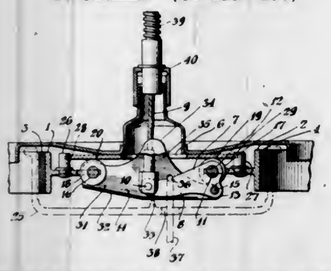
An electric insulating material comprising an effective insulating quantity of a liquid carbon-chloride compound of the formula C_4Cl_6 having a melting point of about —20° C. and a boiling point of about 215° C. (760 mm.).

2,252,859
GRATER
James A. Murdock, Chicago, Ill.
Application July 17, 1939, Serial No. 284,874
3 Claims. (Cl. 146—180)



1. A grater comprising a frame, said frame having a handle member and legs, a plate having solid margins secured to said frame, perforations in said plate, within said margins and walls about said perforations, said walls being substantially vertical to the plane of said plate and having portions thereof projecting beyond the plane of said plate.

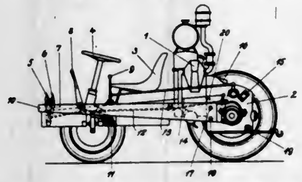
2,252,860
BRAKE MECHANISM FOR VEHICLE ROAD WHEELS
Ferdinand Porsche, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart Zuffenhausen, Germany, a company of Germany
Application January 19, 1940, Serial No. 314,586
In Germany July 13, 1939
13 Claims. (Cl. 188—196)



4. In brake mechanism, a pair of brake shoes,

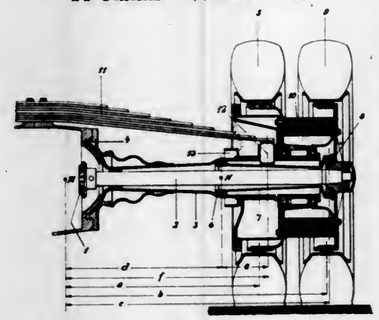
spreading means therefor, connecting means for actuating said spreading means and means for temporarily locking said spreading means in ineffective position, whereby said connecting means may be readily adjusted.

2,252,861
TRACTOR
Ferdinand Porsche, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application May 4, 1940, Serial No. 333,278
In Germany May 8, 1939
3 Claims. (Cl. 180—77)



1. In a tractor having ground wheels, a motor with means for connecting said motor with at least one of said ground wheels for driving the latter including a clutch and speed-change mechanism, and means for steering at least one of said ground wheels, the combination therewith of an operator's seat located in advance of said motor, and steering, speed-change and clutch controlling mechanism located adjacent to said operator's seat and means whereby said operator's seat may at will be transferred to the rear of said motor together with means adjacent to said operator's seat when in said rearward position for controlling said steering, speed-change and clutch controlling mechanism.

2,252,862
SPRING SUSPENSION FOR VEHICLES
Karl Rabe, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application July 20, 1938, Serial No. 220,167
In Germany July 28, 1937
14 Claims. (Cl. 180—22)



1. In a vehicle having a frame, in combination, co-axial twin wheels for supporting said vehicle, separate means for mounting each of said wheels for pivotal movement relative to the frame, means for resiliently interconnecting said wheels, an intermediate member pivotally interconnecting said separate means, and a spring device for supporting said intermediate member relatively to the vehicle frame.

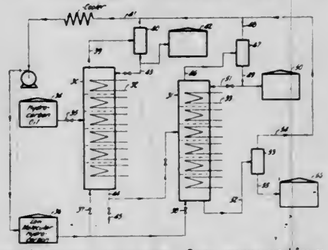
2,252,863
QUATERNARY AMMONIUM SALTS
Albert L. Raymond and Robert T. Dillon, Chicago, Ill., assignors to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application February 3, 1941, Serial No. 377,214
5 Claims. (Cl. 260—397)

1. Quaternary ammonium salts whose composition is expressed by the formula

$$(Chol)N(R^1R^2R^3)Y$$

wherein "Chol" stands for the radical obtained by the elimination of the carboxyl group from an unconjugated bile acid; R^1 and R^2 are unsubstituted alkyl groups containing not more than three carbon atoms; R^3 is chosen from the group consisting of the benzyl group and unsubstituted alkyl groups containing not more than eighteen carbon atoms; and Y is the anion of an inorganic acid.

2,252,864
PROCESS FOR SEPARATING HIGH MOLECULAR MIXTURES
Albert Schaafsma, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 24, 1936, Serial No. 70,598
In the Netherlands March 30, 1935
1 Claim. (Cl. 196—13)

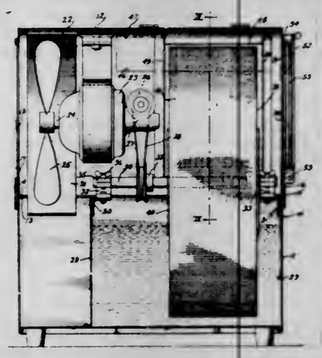


A continuous process for separating a high molecular hydrocarbon oil into portions having different properties, comprising the steps of introducing said oil into a countercurrent contact zone at an intermediate point thereof, flowing a stream of a liquid low boiling hydrocarbon treating agent countercurrently to said oil through the contact zone at an increasing temperature, the temperature of the treating agent at at least one point in said zone at which the counterflowing streams of oil and treating agent are separated being higher than its critical temperature, and the pressure at said point being sufficient to prevent the formation of a substantial amount of a gas phase, thereby forming a light liquid phase and a heavier phase, withdrawing said phases near opposite ends of the contact zone, removing at least a portion of the treating agent from the withdrawn light liquid phase, and returning a portion of the oil thus obtained from the withdrawn light liquid phase to the contact zone near the point of withdrawal of the light liquid phase.

2,252,865
FLUID CONDITIONING APPARATUS
Harold William Schaefer, Chicago, Ill., assignor to The Harry Alter Co., Chicago, Ill., a corporation of Illinois
Application November 18, 1939, Serial No. 305,067
1 Claim. (Cl. 261—92)

Fluid conditioning apparatus comprising a

casing defining upper and lower portions separably connected together, the lower portion providing a reservoir for a liquid and the upper portion having an inlet and outlet opening for said fluid, fluid circulating means in the casing sup-



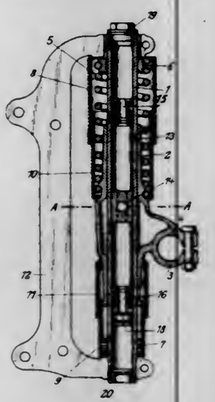
ported for removal with the upper portion of the casing, liquid pick-up and evaporator means rotatably supported on the lower portion of the casing, and a detachable motion transmitting member within the casing interconnecting the first means and second means.

2,252,866

REAR WHEEL SPRINGING FOR MOTORCYCLES

Rudolf Schleicher, Munich, Germany, assignor to the firm Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany

Application November 1, 1938, Serial No. 238,152
In Germany May 7, 1937
5 Claims. (Cl. 280—285)



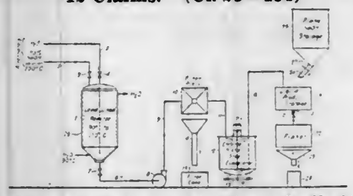
1. Spring suspension for motorcycle wheels comprising, in combination, a motorcycle frame including a pair of rearwardly extending yokes, a tube releasably, rigidly, substantially vertically mounted between each yoke, a sleeve slidably mounted on each tube, a wheel spindle interconnecting said sleeves, and a pair of helical springs, each spring interconnecting the upper end of one sleeve with the upper end of its corresponding yoke, whereby said springs act in compression and tension upon relative up and down movement of the spindle.

2,252,867

PROCESS FOR PRODUCTION OF ALKALI METAL SULPHIDE AND HYDROSULPHIDE OF HIGH PURITY AND CONCENTRATION

James S. Sconce and Charles F. Berlinghoff, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, New York, N. Y., a corporation of New York

Application April 21, 1939, Serial No. 269,186
12 Claims. (Cl. 23—134)



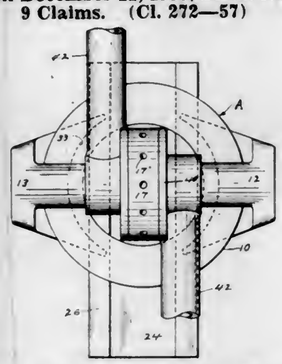
1. The process for production of alkali metal sulphide of relatively high concentration and low iron content which comprises treating a substantially 70 to 78 per cent solution of the hydroxide of said alkali metal, of ordinary commercial grade and relatively high contamination by metals, with hydrogen sulphide, until the hydroxide has been completely converted to the corresponding alkali metal hydrosulphide and the color of the solution has changed from reddish brown to dark green and hydrogen sulphide begun to bubble through the solution; continuing said treatment for a prolonged further period until the contaminating metals in the hydrosulphide have been substantially completely converted to their sulphides and the latter changed from a colloidal form to a readily filterable precipitate; removing said precipitate; and converting the resulting purified hydrosulphide to sulphide by reaction with more hydroxide of said alkali metal, but of relatively high concentration and low contamination by metals.

2,252,868

EXERCISING DEVICE

Charles W. Senn, Wildwood, N. J., assignor of three-eighths to John Gruninger, 2nd., Wildwood, N. J.

Application December 11, 1939, Serial No. 308,526
9 Claims. (Cl. 272—57)



1. An exercising device of the character described, comprising, in combination, a support, an assembly connected to the support and capable of angular and translational movement relatively thereto, friction-applying instrumentalities connected to the assembly and to the support, and a pair of manually and independently operable means connected to the instrumentalities.

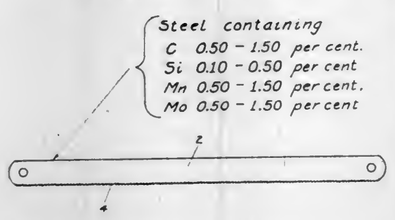
said manually operable means being angularly and simultaneously movable in opposite directions about a plurality of different axes.

2,252,869

HACKSAW BLADE

William H. Shortell, Greenfield, and Leslie D. Hawkridge, Newton, Mass., assignors of one-half to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts, and one-half to Hawkridge Brothers Company, Boston, Mass., a corporation of Massachusetts

Application April 28, 1937, Serial No. 139,434
3 Claims. (Cl. 29—95)



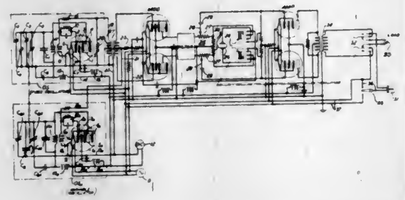
1. As a new article of manufacture, a hack saw blade composed of steel containing approximately .50–1.50% carbon, .50–1.50% manganese, .50–1.50% molybdenum, and .10–.50% silicon, the remainder being essentially iron and the proportions of manganese and molybdenum being approximately equal.

2,252,870

CARRIER FREQUENCY HETERODYNE OSCILLATOR

Thaddeus Slonczewski, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 17, 1939, Serial No. 251,321
7 Claims. (Cl. 250—36)



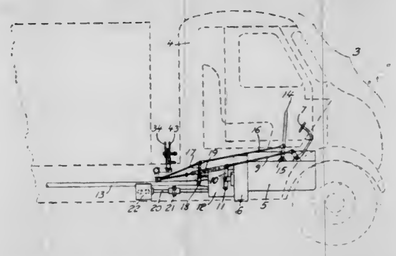
1. A method of calibrating the heterodyne frequency scale of a variable frequency heterodyne oscillator having a frequency variation between relatively great extremes of frequency, comprising adjusting the frequency to accord with the corresponding scale reading at a point near the lower extreme of the scale by adjustment of a frequency significant element in one component oscillator only, thereby affecting the heterodyne frequencies throughout the variable range, and adjusting the frequency to accord with a scale reading at a point near the upper extreme of the scale by variations of frequency significant elements in both component oscillators, whereby the last-mentioned scale adjustment tends to be substantially independent of the first-mentioned scale adjustment, which first-mentioned scale adjustment corresponds to a condition when there is a near-equality of component oscillator frequencies.

2,252,871

AUTOMOTIVE VEHICLE

Lester Henry Sohl, Monmouth Junction, N. J.

Application November 9, 1940, Serial No. 365,036
6 Claims. (Cl. 180—53)



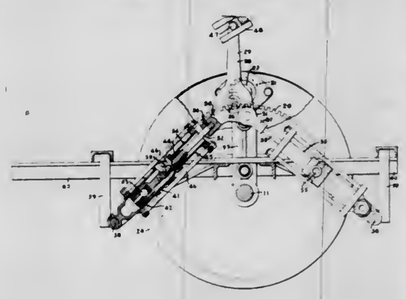
1. In a load carrying motor vehicle of the cab type having a power plant, means for discharging said load, a power plant take off means for operating said discharge means and normal control means for positive operation of said power take off means inside said cab, an attachment secured to the chassis comprising manually operable auxiliary control means for positively operating said power take off means from outside said cab.

2,252,872

TRACTION SPRAYER

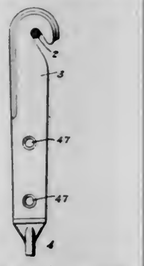
Warren M. Spreng, Ashland, Ohio, assignor to The F. E. Myers & Bro. Company, Ashland, Ohio, a corporation of Ohio

Application June 19, 1939, Serial No. 279,907
1 Claim. (Cl. 299—42)



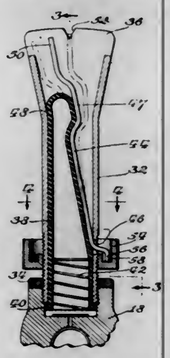
A traction sprayer comprising in combination a chassis frame including an axle and traction wheels thereon, a reservoir for spray fluid mounted on said frame, an agitator for the spray fluid, a shaft pivotally positioned within the reservoir and carrying said agitator, pivotally mounted pumps in communication with said reservoir and arranged angularly in pyramidal form with respect to each other, plunger rods for said pumps, a common connecting rod interconnecting said plunger rods, one of the plunger rods of said pumps being pivotally connected to said connecting rod the other plunger rod being fixedly secured thereto, said connecting rod having an upward extension with a crank pin in the terminus thereof, a yoke drivingly connected with said agitator shaft and receiving said crank pin, and means including a crank arm driven by said tractor wheels for oscillating said connecting rod whereby said agitator is actuated concomitantly with the actuation of the pumps.

2,252,873
ARTICLE OF MANUFACTURE
John Vassos, New Canaan, and Joseph J. Callahan, Bridgeport, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
Application July 8, 1938, Serial No. 218,096
1 Claim. (Cl. 294—7)



A household utensil comprising a functional portion of metal having an integral shank extending therefrom, a formed handle of a dissimilar material partially housing and rigidly secured to said shank, said formed handle being of such width and thickness as to constitute an adequate hand grip and having substantially the same width and thickness throughout its length, an open-ended slot formed within the width and thickness and extending through the thickness of said handle, the margins of said slot being inclined toward the free end of said handle and being substantially flat in the direction of the thickness of said handle whereby said slot is adapted to receive a support in a manner which minimizes transverse sway of the utensil upon the support.

2,252,874
PRESSURE INDICATOR
Alfred Vischer, Jr., Park Ridge, Ill., assignor to Vischer Products Company, Chicago, Ill., a corporation of Illinois
Application November 4, 1938, Serial No. 238,758
6 Claims. (Cl. 73—110)



3. In a pressure indicator, the combination of a tubular flexible rubber-like sac, a generally tubular casing surrounding said sac in close proximity to the outer surface thereof, said casing having a flattened flaring end portion providing an indicating surface, and a resilient pointer having one end secured to said casing and having its other end extending freely through the flattened end portion of said casing and cooperating with said indicating surface, said pointer having a part intermediate its ends pressing against the side of said sac to be moved by the latter an extent determined by the differential pressure on the opposite sides thereof.

2,252,875
CALL TRANSMITTER DEVICE
Clyde H. Wheeler, Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 10, 1939, Serial No. 303,759
8 Claims. (Cl. 179—90)

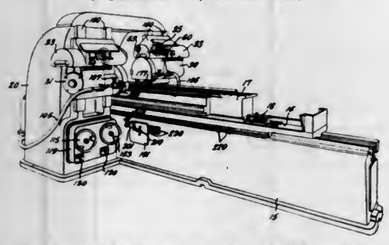


1. In a call transmitter, a rotatable shaft, a gear and a finger wheel secured to said shaft, a second gear, a cam operatively connected to said second gear, a delay motion mechanism between said shaft and said second gear, a motor spring tensioned by the manual operation of said finger wheel for rotating said cam, and a pulsing contact actuated by the operation of said cam.

2,252,876
LEAD MANUFACTURE
Watson H. Woodford, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Original application June 8, 1932, Serial No. 616,024. Divided and this application September 15, 1938, Serial No. 230,025
8 Claims. (Cl. 148—6)

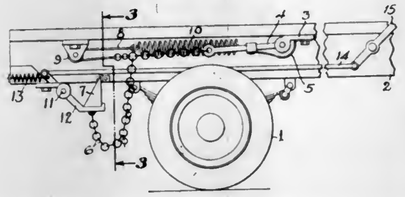
8. The method of producing granulated or fibrous lead which comprises dropping a continuous stream of molten lead into a quiescent fluid medium having the capacity to disperse the continuous stream of lead into relatively fine particles.

2,252,877
WAY GRINDING MACHINE
Christian Baldenhofer, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application October 13, 1939, Serial No. 299,352
6 Claims. (Cl. 51—92)



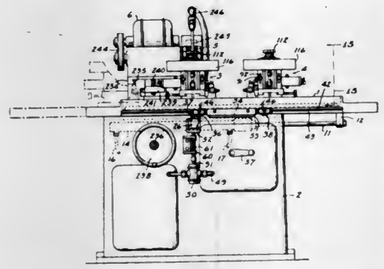
1. In a multiway grinding machine, the combination of a bed for positioning work to be ground, means for moving said work on said bed, a frame structure associated with said bed comprising supporting uprights and rigid bracing means rigidly connecting the top of said uprights above said bed and the work being ground, means comprising a grinding wheel, driving and adjusting mechanism adjustable and independently mounted on each one of said vertical supports, whereby the load of said grinding wheel mechanism is carried independently on each of said supports while the means connecting the top of said support and the bottom thereof insures a predetermined position between said grinding wheel mechanism.

2,252,878
SAFETY DEVICE FOR TRUCKS AND OTHER VEHICLES
Charles J. Bella, Davenport, and Edward W. Souter, Moss Beach, Calif.
Application May 17, 1941, Serial No. 393,964
6 Claims. (Cl. 188—4)



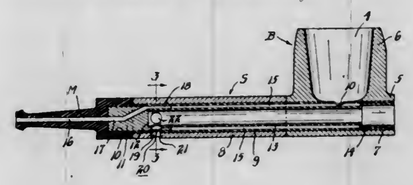
1. A safety device for vehicles comprising a tire engaging chain anchored at its forward end to a vehicle and normally supported at its rear so it is in a non-engaging position above the wheel of the vehicle, and means for releasing the rear end of the chain whereby the latter may drop onto the tire of the vehicle wheel and firmly engage therewith when the said wheel rolls backwardly.

2,252,879
PRODUCTION BLADE GRINDER
Gordon J. Calame, Bettendorf, Iowa
Application February 15, 1939, Serial No. 256,523
37 Claims. (Cl. 51—92)



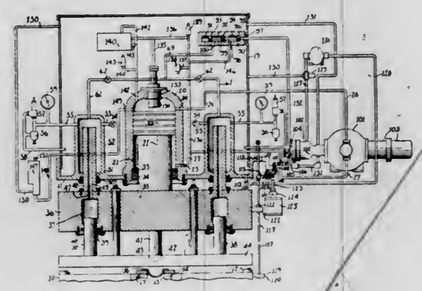
1. In a machine for grinding serrations in the cutting edges of elongated thin flexible blades, a grinding wheel having a peripheral abrading surface, means for rotating the wheel, a movable table in proximity to the wheel, a plurality of blade carrying fixtures mounted on the table for movement therewith, each fixture including a member for holding a blade during the grinding thereof, and means for moving the table to bring the several fixtures successively to a grinding station adjacent the abrading surface of the wheel, said moving means including means for reciprocating each blade holding member to repeatedly draw the blade held thereby across the abrading surface of the wheel while such member is at the grinding station.

2,252,880
SMOKING PIPE
Carl S. Carlberg, Mound, Minn.
Application May 22, 1940, Serial No. 336,609
5 Claims. (Cl. 131—195)



5. A smoking pipe comprising, a bowl member equipped with a longitudinally apertured mouthpiece associated with the free end of said stem, said bowl member and stem having a continuous passage extending below the tobacco-receiving cavity of said bowl member and extending longitudinally of said stem from the front end of said bowl to the outer end of said stem, a longitudinally disposed member in said passage dividing the same into a smoke duct having communication with the bottom of the tobacco-holding cavity and an air duct having communication with the atmosphere at the forward end of said bowl, a closure member between the forward end of said longitudinally disposed member and said passage for preventing entrance of air into said smoke duct, a closure member associated with said stem for closing the rear end of said smoke duct, means associated with said stem providing a port communicating with the interior of said stem and with the outer end of said smoke duct, and means forming a passage connected with the outer end of said air duct and communicating with the atmosphere adjacent the rear of said stem.

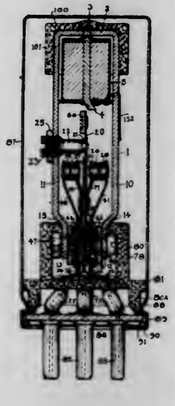
2,252,881
BLANK HOLDER CIRCUIT WITH AUTOMATIC RELEASE OF BLANK HOLDER PRESSURE ON IDLE STROKE
Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application March 27, 1939, Serial No. 264,311
5 Claims. (Cl. 113—45)



1. In combination with a hydraulic motor having a reciprocable ram, means forming with said motor a ram-advancing circuit and a ram-retracting circuit for selectively operating said ram upon advance and retraction strokes respectively, a platen connected to said ram, a clamping motor mounted on said platen and movable therewith, a stationary auxiliary cylinder, a tubu-

lar plunger reciprocable in said auxiliary cylinder and connected to said clamping motor, a two-way valve operative in one position to entrap fluid within said clamping motor and auxiliary cylinder and in another position to release fluid therefrom, pilot motor means for shifting said valve, means responsive to the admission of pressure fluid to said ram-retracting circuit for admitting pressure fluid to said pilot motor means to shift said valve into its fluid-releasing position, and means adapted concomitantly into the initiation of advancing stroke of said ram to admit pressure fluid oppositely to said pilot motor means for shifting said valve to its fluid-entrapping position.

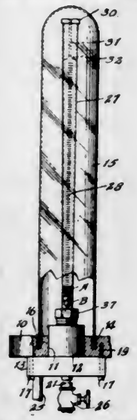
2,252,882
VIBRATOR
Henry M. Dressel, Chicago, Kenneth C. Allison, Arlington Heights, and Edward J. Mastney, Berwyn, Ill., assignors to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 24, 1934, Serial No. 758,924
32 Claims. (Cl. 200—90)



1. A vibrator comprising a U-shaped member of magnetizable material, a pole piece disposed in the bight of said U, a magnetizing coil for said pole piece, a spring reed supported at the open end of said U and having an armature in co-operative relationship to said pole piece, a stationary contact carried by said U-shaped member in proximity to said reed, said reed having an elongated portion thereof cut out to leave a small spring arm integral with said reed extending upwardly toward the armature end and having the free end of said small spring adjacent said stationary contact, and a movable contact carried by said small spring and connected with said magnetizing coil for driving the vibrator.

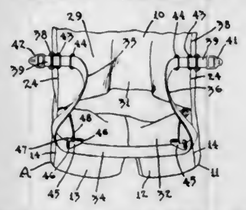
2,252,883
FLOW METERING APPARATUS
Roy B. Everson, Chicago, Ill.
Application November 3, 1939, Serial No. 302,738
2 Claims. (Cl. 73—209)

1. A flow-metering apparatus embodying a gauge-tube adapted to be traversed by a fluid in variable quantities; and floats of different specific gravities disposed constantly in superposed relation to each other within said tube and adapted to be successively moved by the fluid to indicate the flow-rate thereof; whereby the heavier float will remain at rest during the major



portion of the movement of the lighter float and thereafter travel towards said lighter float.

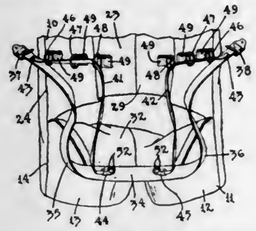
2,252,884
DROP SEAT GARMENT
Erick O. Fellroth, Minneapolis, Minn., assignor to Martin Brothers Company, Minneapolis, Minn., a corporation of Minnesota
Application June 14, 1939, Serial No. 279,046
7 Claims. (Cl. 2—79)



4. A garment including trousers having a rear opening therein, a drop seat connected to the trousers and covering said opening, said drop seat being free at the upper end and terminating substantially at the waistline of the garment, a pair of belt straps connected to the drop seat at the waistline thereof and adapted to extend about the forward portion of the garment, means for securing the forward portions of the belt straps together, loops attached to the garment on opposite sides of the garment, said belt straps passing through said loops, and hooks attached jointly to the belt straps and drop seat for engaging the loops to support the drop seat from the loops.

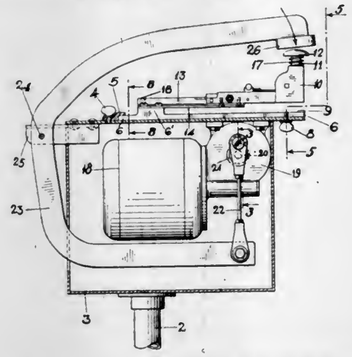
2,252,885
DROP SEAT GARMENT
Erick O. Fellroth, Minneapolis, Minn., assignor to Martin Brothers Company, Minneapolis, Minn., a corporation of Minnesota
Application June 14, 1939, Serial No. 279,047
7 Claims. (Cl. 2—79)

1. A garment including trousers having a rear opening therein, a drop seat connected to the trousers and covering said opening, said drop seat being free at the upper end and terminating substantially at the waistline of the garment, a pair of belt straps, each attached at one end to the drop seat at the waistline thereof, complemental buckle members attached to the belt straps at the other ends thereof and adapted to secure the belt straps together, loops attached to the garment along the waistline at opposite sides of the garment, auxiliary straps passing through



said loops and secured to said belt straps and hooks forming a connection between said auxiliary straps said drop seat and adapted to engage said loops for holding the drop seat suspended from the loops.

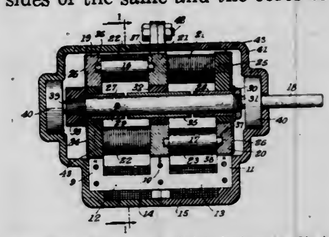
2,252,886
STAPLING MACHINE
Carlo J. Fusco, San Francisco, Calif.
Application August 1, 1939, Serial No. 287,777
5 Claims. (Cl. 1—3)



1. In mounting means for staple machines, a substantially horizontal supporting member, an elongated slot in the supporting member, a detachable elongated keeper secured to the supporting member and positioned in substantially parallel relation to the slot, the said keeper being adapted to engage and hold a rearwardly disposed part of one or more stapling machines which are supported on the supporting member, and means extending through the slot for adjustably securing the forward ends of the stapling machines to the said supporting member.

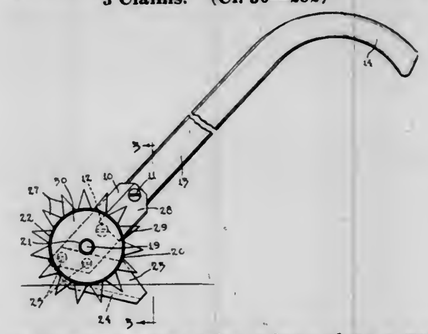
2,252,887
ELECTRICAL MACHINE
George A. Gillen, Bronx, N. Y.
Application October 2, 1937, Serial No. 166,923
3 Claims. (Cl. 172—36)

1. An electric machine, comprising an armature having two sets of electro-magnets provided with magnet cores disposed in end-to-end relation longitudinally of the armature axis, pole segments at the periphery of the armature located at the ends and pole segments intermediate the ends of the armature common to the magnets at opposite sides of the same and a field structure having poles opposite the end and intermediate pole segments of said armature, said intermediate pole segments having sockets in the opposite sides of the same and the cores of mag-



nets at opposite sides of said intermediate segments having extensions to enter said sockets.

2,252,888
LAWN EDGER
Chester O. Goserud, St. Paul, Minn.
Application August 28, 1939, Serial No. 292,223
3 Claims. (Cl. 30—292)

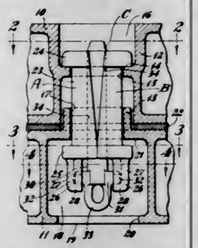


1. In a device for edging a lawn along a walk, a disc adapted to be rolled edgewise over the turf of the lawn with its inner face adjacent said walk, a handle for manipulating the device, a plate-like frame member secured to said handle and having a stud attached thereto, said disc being revolubly mounted on said stud and having V-shaped teeth about the perimeter thereof with similarly shaped notches between said teeth, the lowermost teeth of the disc being adapted to penetrate the turf and segregate, gather and hold a number of successive tufts of grass in the V-shaped notches therebetween, a blade secured to said frame member in flatwise disposition between the same and said disc, said blade having a cutting edge inclined rearwardly and downwardly across the several V-shaped notches between said lowermost teeth, said cutting edge being adapted at its different portions across said notches concurrently to cut the several held tufts of grass, initiating the cut of the foremost tuft and completing the severance of the rearmost tuft simultaneously, and an annular member concentric with and extending inwardly from said inner face of said disc, said annular member being engageable with the upper surface of the walk to limit the penetration into the turf of said disc and blade.

2,252,889
CAR CONSTRUCTION
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 27, 1939, Serial No. 301,569
6 Claims. (Cl. 105—200)

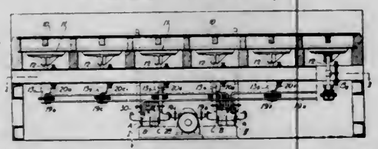
6. In a locking pin of the character described,

the combination with a pair of outer members headed at the top and bottom ends; of a rotatable cylindrical filler element between said outer members for holding the same separated; opposed, horizontally disposed, supporting ledges on said outer members at the bottom ends there-



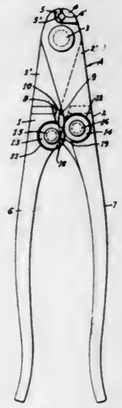
of, said ledges having upwardly opening seats at opposite sides of the center pin; and oppositely projecting, horizontal fixed arms on the bottom end of said filler element supported on said ledges and engaged within the seats thereof to hold said central element against rotation.

2,252,890
PULP SCREEN
Elon Wilhelm Hedberg, Wallvik, Sweden
Application March 25, 1939, Serial No. 264,135
In Sweden April 2, 1938
3 Claims. (Cl. 60—97)



1. A pulp screen of the type having a plurality of vibratory gaskets for producing a pulsating movement of the pulp being screened, comprising a plurality of motors for vibrating the gaskets, one motor for each gasket, each motor comprising a casing presenting two pressure chambers separated by a vibratory diaphragm which is connected to the corresponding gasket, a valve device for controlling the motors, said valve device having two cylindrical valve casings, each provided at one end with an outlet opening and at the other end with a supply opening leading to a pressure pipe, the cylindrical wall of both valve casings having a plurality of similar ports, one for each motor, the ports of each valve casing being equally spaced apart circumferentially and each having a relatively small dimension in a circumferential direction, and the ports of the two valve casings having an identical arrangement, a pipe connecting one chamber of each motor to the corresponding port of one valve casing, another pipe connecting the other chamber of each motor to the corresponding port of the other valve casing, a rotary controlling member in each valve casing having a multiplicity of longitudinal channels equally spaced around its circumference, each channel being open at the circumference of the controlling member and the dimension of each channel opening circumferentially of the controlling member being no greater than the circumferential dimension of the ports, and the adjacent channels being spaced apart a distance which is an increment greater than the circumferential dimensions of the ports, the alternate channels of each controlling member having constant communication with the exhaust opening for the corresponding valve casing and the remaining channels of each controlling member having constant communication with the supply opening, and means to rotate the controlling members synchronously, said ports and channels being so arranged that when during the rotation of the controlling members a channel of one controlling member which is in communication with the supply opening is in register with a port leading to one pressure chamber of any motor, the other pressure chamber of said motor is in communication with the outlet opening through a channel of the other controlling member.

2,252,891
KNURLING TOOL
Walter A. Heinrich, Richmond Heights, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application March 23, 1939, Serial No. 263,653
2 Claims. (Cl. 80—5.1)

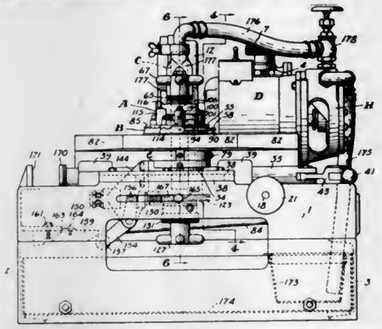


1. A tool of the class described comprising a pair of elements having handle portions, means for connecting said elements together for pivotal movement, knurling rollers supported by said elements for rotary movement, said rollers being completely exposed at a side of the tool and being movable toward and from each other with said pair of elements upon relative movement thereof, and inclined faces formed at outer surfaces of said elements which provide a channelway leading between said rollers which serves to guide an article being knurled by the tool, said channelway being extended at an angle relative to the longitudinal axis of the tool and said channelway being open at the side of the tool at which the rollers are exposed throughout its entire length so that the entire operation of knurling an article with the aid of the tool may be viewed by a user of the tool.

2,252,892
APPARATUS FOR HOLDING AND GRINDING FLEXIBLE BLADES
Arthur A. Kottmann, Davenport, Iowa
Application February 28, 1939, Serial No. 258,919
47 Claims. (Cl. 51—92)

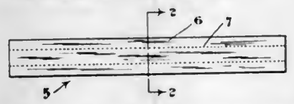
1. A holder for mounting a thin flexible blade comprising a head, a support member secured to the head in spaced relation with respect thereto, a drum disposed between the head and support

member and movable toward and away from the head, and means carried by the support member



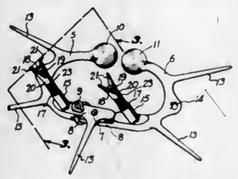
for securing the ends of a blade curved about the periphery of the drum.

2,252,893
CUTTING TOOL
Kenneth R. Macklin, Toronto, Ontario, Canada
Application January 5, 1940, Serial No. 312,565
4 Claims. (Cl. 29—95)



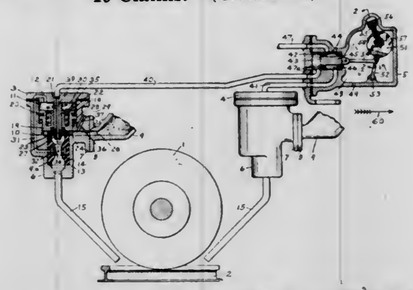
1. A cast cutting tool or tool bar comprising an outer portion composed of a hard cutting alloy cast around a central core portion composed of a softer and tougher metal of relatively high thermal conductivity compared with the thermal conductivity of the surrounding alloy, said tool or tool bar being characterized in that the grain structure of the outer portion or alloy is exceptionally fine and uniform from the outer surface of the tool to the central core as compared with solid cast tools made entirely of such alloy.

2,252,894
CALF WEANER
John T. Martin, near Hanover, Kans.
Application January 15, 1940, Serial No. 313,964
8 Claims. (Cl. 119—132)



1. In a calf weaner, a body portion comprising a pair of curved members connected together to provide a pair of movable jaws, spikes extending outwardly from said curved members, said spikes and said curved members having substantially a common medial plane, a pair of post-like members projecting from said body portion at an angle to said plan, a retractable pronged member mounted on each of said post-like members, a guard for said pronged member projecting endwise beyond said retractable member in its retracted position, and yielding means for projecting said pronged member endwise beyond said guard.

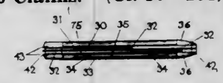
2,252,895
DIRECTIONAL CONTROL OF SANDING
Raymond E. Miller, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 25, 1940, Serial No. 342,245
19 Claims. (Cl. 291—5)



1. A sanding arrangement for sanding a rail under a railway vehicle, comprising, a plurality of sand delivery pipes through which sand is adapted to be delivered to said rail, means operable to supply sand to one or another of said pipes, and inertia means conditionable upon a chosen rate of change in speed of the vehicle for selecting the pipe to which sand is supplied by said means in accordance with the direction of movement of the vehicle.

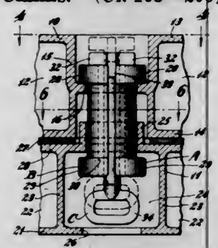
19. A sanding arrangement for sanding a rail under a railway vehicle, comprising, a source of sand, a sand device having a sand passage open to said source and supplied with sand therefrom, said sand device having an outlet open to a sand delivery pipe through which sand is adapted to flow to effect sanding of said rail, a valve for closing communication between said sand passage and outlet, a piston connected to said valve for unseating same and having its face on the valve side normally subject to asmospheric pressure and having at its opposite face a chamber, a spring in said chamber acting on said piston for seating said valve, means for directing a jet of air through said outlet into said pipe, said chamber having a connection with said outlet so arranged as to reduce the pressure in said chamber upon the flow of fluid under pressure through said outlet to effect operation of said piston to open said valve to thereby render said jet of air effective to draw sand from said sand passage into said pipe, and means for supplying fluid from the atmosphere to said outlet at a restricted rate upon unseating of said valve.

2,252,896
CUTLERY
Wilfred V. Mounts, Stratford, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application May 10, 1939, Serial No. 272,778
16 Claims. (Cl. 30—164)



1. In a handle for a pocket knife, the combination comprising: a substantially planar element of the knife having a portion thereof displaced from the plane of the element, said portion having an aperture therein; and a plastic handle having an integral projection fitting into and passing through said aperture, whereby the handle and element are fastened together.

2,252,897
CAR CONSTRUCTION
Roland J. Olander, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 19, 1939, Serial No. 300,223
8 Claims. (Cl. 105—200)



1. In car construction, the combination with body and truck bolsters having aligned center pin receiving openings; of a center pin insertable from beneath said truck bolster, said pin including outer members headed at opposite ends and a central filler element between said outer members, said filler element holding the pin expanded with the heads in shouldered engagement with the bolsters; retaining lugs at the upper end of said filler element adapted to pass between said members when the filler element is rotated to a position to align said lugs with the opening between said members; and cooperating locking means on said element and outer members of the pin for locking said filler element and outer members against relative rotation when the lugs are brought into overhanging supported relation with respect to the upper ends of said outer members.

2,252,898
MULTILAYER POLARIZING BODY AND METHOD OF MANUFACTURE
Leon Pollack, Brooklyn, N. Y.
Application February 9, 1938, Serial No. 189,524
5 Claims. (Cl. 88—65)



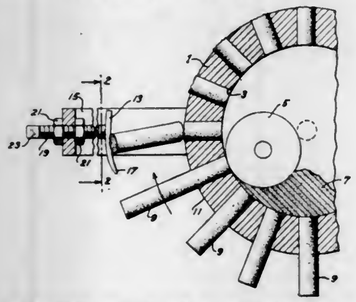
1. A multi-layer light polarizing body comprising a unitary structure composed of superimposed layers of optically transparent resinous material, which are fused together at all points over their adjacent surfaces and have a smooth transition plane between said surfaces, adjacent layers having different indexes of refraction, alternate layers having the same index of refraction, said body having a sufficient number of layers to substantially completely polarize light passing therethrough at the polarizing angle.

2,252,899
METHOD OF MANUFACTURING CONTACT SPRINGS
John N. Reynolds, Princeton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 14, 1939, Serial No. 304,304
2 Claims. (Cl. 29—155.55)



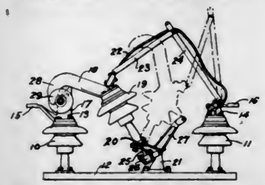
1. The method of making a bifurcated contact spring having a contact on each bifurcated portion thereof which consists in forming a ribbon with one substantially flat face and with its opposite face provided with two parallel ridges extending longitudinally of the ribbon, welding strips of contact metal to the crests of said ridges, cutting a short section from said ribbon to form a contact bar, welding said bar to a supporting spring with its axis positioned in substantial alignment with the axis of said spring and its flat face in engagement with one face of said spring and slitting the end of said spring in alignment with the depression between the ridges of said contact bar whereby the end of said spring is bifurcated and the contact bar is divided into two sections, each of which is supported on a bifurcated portion of said spring.

2,252,900
PELLET FORMING APPARATUS
Eugene W. Shafer, North Hollywood, Calif., assignor to Edgar N. Meakin, San Francisco, Calif.
Application September 21, 1940, Serial No. 357,730
15 Claims. (Cl. 107—8)



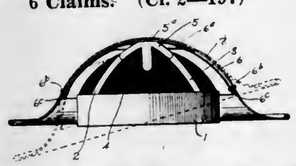
1. Extrusion mill apparatus comprising a die having at least one row of aligned openings therein for the extrusion of rods of pellet material, and means supported in spaced relationship to the discharge side of said die for sequentially bearing against successive rods, in a direction out of line with the axis of said row.

2,252,901
DISCONNECTING SWITCH
Edward F. Sixtus, San Francisco, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application March 1, 1941, Serial No. 381,267
9 Claims. (Cl. 200—48)



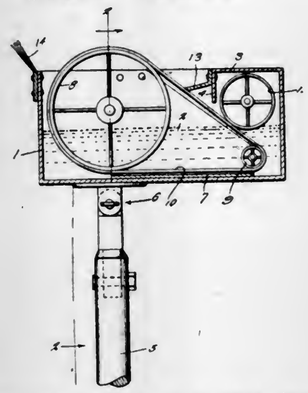
1. A full wiping contact for an electric switch, comprising a stationary terminal having an extending blade-like portion with contact surfaces on opposite sides thereof, said blade-like portion also having an elongated slot disposed adjacent and at one side of its contact making surfaces, a switch blade adapted to move relative to said blade-like portion having contact making surfaces on its opposite sides adapted to be disposed at the other side of said slot when said switch blade is in its closed circuit position with respect to said stationary terminal, two spaced circuit forming members disposed one on each side of said blade-like portion adapted to bridge the contact surfaces on the corresponding sides of said blade-like portion and said switch blade, and a supporting means for said circuit forming members extending through said elongated slot and adapted to move therealong as said switch blade is moved into and out of engagement with said circuit forming members, whereby said circuit forming members will be brought into good contact making engagement with the contact surfaces upon the opposite sides of said stationary blade-like portion and said switch blade with a wiping action.

2,252,902
ADJUSTABLE HAT
Anthony J. Subira and Wesley D. Spencer, Los Angeles, Calif.
Application May 15, 1939, Serial No. 273,662
6 Claims. (Cl. 2—197)



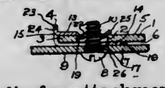
3. In an adjustable hat of the class described the combination of, a headband, supports connected therewith and extending upwardly and inwardly therefrom, a spider member secured to said supports in spaced relation therefrom provided with outwardly extending curved fingers, a cover member made of two spaced conforming portions between which the extended ends of said fingers are mounted, a hair retainer supported by said headband and extending upwardly and inwardly therefrom and engaging said supports and confined thereby and yieldable means in connection with said headband.

2,252,903
PAINTING MACHINE
Harry Taylor, Babylon, N. Y., assignor of one-half to Joseph E. Minor, Lindenhurst, N. Y.
Application June 19, 1940, Serial No. 341,356
2 Claims. (Cl. 91—28)



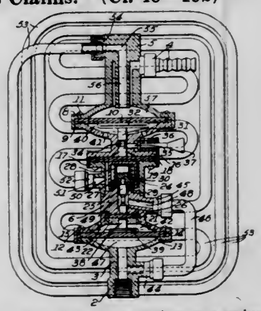
1. A painting machine comprising, in combination, a container for the reception of paint, an endless belt operatively mounted in the container and protruding therefrom for transferring paint from said container to a surface, said belt having openings therein for producing a mottled effect on the surface, and a brush mounted on the container and adapted to trail the belt over the surface.

2,252,904
CLIP DEVICE
John Todd, Lincoln, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 3, 1939, Serial No. 297,687
2 Claims. (Cl. 85—32)



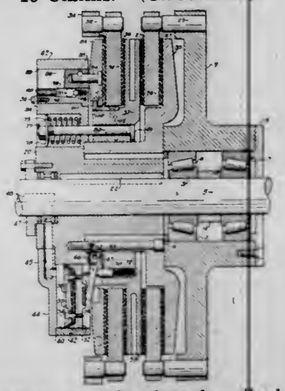
1. A fastener clip for attachment to a supporting panel having an aperture for receiving a threaded member, said clip comprising a pair of arms having portions extending in the same general direction for engaging opposed surfaces of said supporting panel, a depressed portion deformed from the material of one of said panel-engaging portions to engage in the aperture of the panel for maintaining the clip in proper relative position to the panel, and said last-mentioned panel-engaging portion having a thread-engaging means formed as an integral part thereof, and at least a portion of said thread-engaging means being formed from material within the margin of said depressed portion.

2,252,905
SAFETY DEVICE FOR GAS SYSTEMS
Heinrich Wendland, Halstenbek, near Pinneberg, Germany
Application March 30, 1939, Serial No. 264,960
In Germany September 5, 1938
8 Claims. (Cl. 48—192)



1. Safety device for gas systems against return flow of explosive gas mixtures in gas pipes and against subsequent explosions comprising a closing member, two movable control members arranged on opposite sides of said closing member and operatively connected thereto, one of said control members being disposed between the inflow side of the valve device and the closing member, said control member being subjected to the forward flow pressure of the gas before said closing member and adapted to hold the closing member in the open position during the normal condition of the gas system, the other control member being disposed between the outflow side of the valve device and the closing member, adapted to close said closing member at the return flow of explosive gas mixtures or the subsequent explosion.

2,252,906
CLUTCH AND BRAKE MECHANISM
Larkin R. Williamson, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application April 21, 1939, Serial No. 269,184
19 Claims. (Cl. 192—18)



1. In apparatus of the class described, a frame, a shaft rotatable with respect thereto, a pair of friction members carried by and locked against rotation with respect to said shaft, a friction member locked to said frame, all of said members being adapted to be engaged with and disengaged from each other, means to engage and disengage all of said members and means to maintain a predetermined spacing between said pair of members when they are in a disengaged position to automatically compensate for wear in said pair of members.

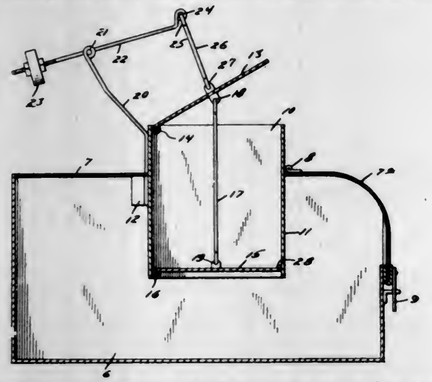
2,252,907
FOUNTAIN PEN
Arthur Winter, Weehawken, N. J.
Application April 25, 1941, Serial No. 390,252
10 Claims. (Cl. 120—52)



1. A fountain pen comprising a barrel, a short pen section carried thereby, a feed-plug carried by said section having a portion extending therefrom of less diameter and conical in form, said conical portion having slots therein which extend from side to side thereof, one of which is adapted to receive the shank of a pen and another adapted to lead ink thru the plug to the pen, a ring fitting over the conical end of the feed-plug adapted to clamp the shank of a pen in said slot, and a cover carried by the pen section in detached relation to the feed-plug and extending therefrom to the nibs of a pen held in said feed-plug.

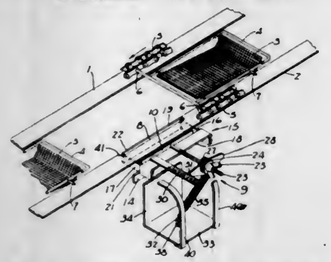
2,252,908
MOUSETRAP
George Wittlief, Douglas, Minn.
Application April 7, 1941, Serial No. 387,325
2 Claims. (Cl. 43—69)

1. In a trap, a pen compartment, a door hinged to the trap for gaining access to the pen compartment, a top wall of said trap and said door respectively being formed of wire netting, a vertical entrance tunnel for the pen compartment embodying a substantially tubular member extending vertically through the top wall of the trap, trap doors hinged to one side of the tunnel adjacent the respective opposite ends of the tunnel, the trap door at the outer end of the tunnel opening outwardly with respect to the tunnel and the trap door at the inner end of the tunnel opening inwardly of the pen compartment, a link



pivotally connecting said trap doors, a bracket extending outwardly from the entrance tunnel adjacent the outer end of the latter, a counterbalancing weight assembly pivotally mounted on said bracket, and a link pivotally connecting said assembly with the first-named trap door.

2,252,909
GRADING MACHINE
Paul Van Wyk, Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application May 13, 1939, Serial No. 273,465
3 Claims. (Cl. 209—121)



1. A fruit grading machine comprising a trackway provided with a depressible section, a series of fruit holders supported by and movable along said trackway over said depressible section, a pivoted scale beam supporting said depressible section, and a coil spring having one end thereof secured to said scale beam for axial adjustment therealong, and having its other end so located with respect to the scale beam that adjustment of the spring to increase its leverage on the scale beam increases the tension of said spring.

2,252,910
HAIR CURLER
Doriane Archer, Los Angeles, Calif.
Application March 8, 1941, Serial No. 382,402
7 Claims. (Cl. 132—41)

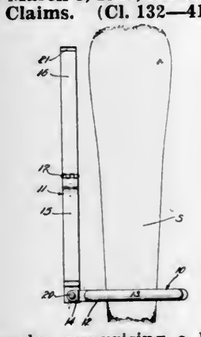
1. A hair curler of the character described comprising an elongate spindle element having a pair of fingers in face to face relation and flaring apart from their inner ends to receive the end portion of a hair strand whereby the strand may be wound on the element, a keeper pivotally connected with the inner end of the spindle element to be swung from an extended position to

a position where it extends along the side of the element in face to face relation to one of its fingers to engage and retain the strand, and



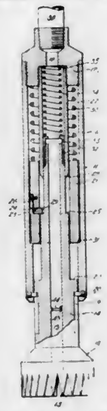
means for releasably latching the outer ends of the element and keeper together to retain the keeper in the last named position.

2,252,911
HAIR CURLING APPLIANCE
Doriane Archer, Los Angeles, Calif.
Application March 8, 1941, Serial No. 382,403
9 Claims. (Cl. 132—41)



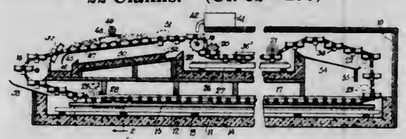
1. A hair curler comprising a keeper including two parts connected at their inner ends to be movable toward and away from one another, a spindle secured to the inner side of one keeper part adjacent the outer end of the same on which a strand of hair may be wound, and releasable means for connecting the outer ends of the keeper parts when the same are moved toward one another so that the parts hold the strand in the wound condition.

2,252,912
WELL TOOL
Arthur L. Armentrout, Los Angeles, Calif., assignor of one-third to Elwin B. Hall and one-third to Virgil P. Baker
Application March 6, 1939, Serial No. 260,025
11 Claims. (Cl. 255—61)



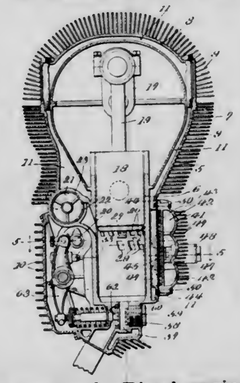
1. A well tool for use on a well string comprising a cutting head, spring actuated means operable by reciprocation of the string for imparting actuating blows to the head, pump means operated by said reciprocation of the string for pumping away the material freed by the head, and a container for receiving and retaining the material pumped by the pump means.

2,252,913
CONGELATION MACHINE AND METHOD
Alvin H. Baer, South Orange, N. J.
Application June 10, 1937, Serial No. 147,586
22 Claims. (Cl. 62—106)



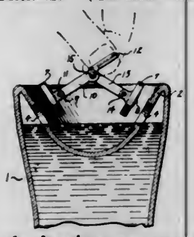
1. An ice-making machine comprising an endless travelling conveyor, a series of open, stiff-walled liquid containers forming permanent parts of said conveyor, said conveyor having an upper run and at least one lower run, freezing means acting on containers in such lower run, and harvesting, filling and pre-cooling means acting on the containers in said upper run of the conveyor.

2,252,914
DIESEL ENGINE
Charles A. Balton, Buffalo, N. Y., assignor to Trans-America Aircraft and Motor Corporation, Tonawanda, N. Y., a corporation of New York
Application September 11, 1939, Serial No. 294,381
22 Claims. (Cl. 123—65)



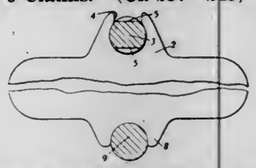
11. In a two cycle Diesel engine, a plurality of cylinders, a piston reciprocable in each cylinder, a crank shaft, pitmen connecting the pistons with the crank shaft, means for injecting fuel into air compressed in said cylinders, an exhaust valve in each cylinder, means for delivering scavenging and charging air into said cylinders, means for delivering supercharging air into said cylinders, an intercooler through which the supercharging air passes to the cylinder and in which it is expanded and cooled, said intercooler comprising a hollow relatively flat body lying substantially parallel the axes of the cylinders and spaced therefrom so as to present inner and outer, top and bottom and front and rear end surfaces for air cooling purposes, and valves for controlling admission of the supercharging air mounted directly in the intercooler.

2,252,915
CONTAINER FOR LIQUIDS
Fernan O. Conill, New York, N. Y.
Application May 11, 1937, Serial No. 142,033
5 Claims. (Cl. 220—24)



1. A receptacle having a concave outer wall provided with two oppositely positioned openings facing each other, a closure for each opening, and a toggle linkage connection said closures and adapted to press said closures onto the openings.

2,252,916
PLATE-TYPE APPARATUS
William Edward Crosby, Point Pleasant, Wandsworth, London, England, assignor to The Aluminum Plant & Vessel Company Limited, Point Pleasant, Wandsworth, London, England, a British company
Application March 20, 1939, Serial No. 262,972
In Great Britain May 30, 1938
9 Claims. (Cl. 257—245)

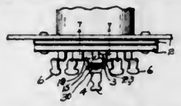


1. An apparatus of the built-up plate type for the treatment of fluids, comprising a supporting bar, a plurality of plate-like elements, and a lug on each element adapted to receive the supporting bar, said lug being slotted to provide a mouth for the opening, said mouth being of a width less than the major cross-sectional dimension of the bar to prevent the removal of the bar through the mouth, and said bar having a portion of a cross-section less than the width of the mouth adapted to freely pass through the mouth.

2,252,917
QUICK DRYING PRINTING INK AND METHOD OF PREPARATION
Joseph G. Curado, Rutherford, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 21, 1938, Serial No. 197,308
14 Claims. (Cl. 260—19)

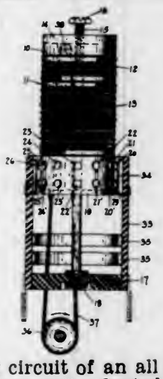
1. The method of preparing a printing ink which comprises heating a resin selected from the group consisting of a phenyl substituted phenol-formaldehyde-drying-oil-modified resin, an alkyl substituted phenol-formaldehyde-drying-oil-modified resin, a phenol-formaldehyde natural resin condensation product; with drying oil to the point of incipient gelation, adding a solvent; then continuing the polymerization but preventing gelation which would otherwise occur, by further heating in the presence of said solvent for about two and one-half to three hours, at a temperature of about 190° to 210° C., and thereafter cooling and grinding with a pigment, whereby the resulting ink, when printed on metal, will dry at a temperature of 200° to 220° F. in from three to five minutes.

2,252,918
ELECTRICAL SOCKET
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application February 18, 1939, Serial No. 257,220
5 Claims. (Cl. 123—328)



1. An electrical connection comprising plug and socket members, said socket member providing a base of insulating material having an aperture, a plurality of socket contacts assembled with said insulating base, and a hollow member disposed within the aperture of said base, said hollow member having a cut extending axially thereof forming a pair of separated edges, and said plug member providing a metal depending prong having an integral laterally projecting key, and a series of depending contact prongs, said contact prongs being received in electrical engagement by said socket contacts, said prong having said key extending into said hollow member and said projecting key being received between and engaged in edge contact by said separated edges thereof.

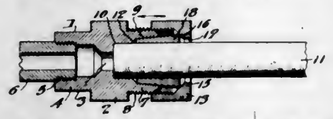
2,252,919
MULTIWAVE VARIABLE RESONATOR
Lewis D. Eckard, Washington, D. C.
Application January 10, 1939, Serial No. 250,238
6 Claims. (Cl. 171—119)



1. In a tuning circuit of an all wave receiving set; an inductance coil adapted to expand or contract comprising; an expandible portion extending substantially throughout the length of said coil, primary and secondary windings disposed on said expandible portion in spaced relation, said primary windings comprising a plurality of insulated wires in coil form of equal length and diameter, said secondary windings comprising a plurality of insulated wires in coil form of equal length and diameter, a relatively non-expandible movable portion having a plurality of spaced contact members on the surface thereof and disposed at one end of said coil, two series each comprising a plurality of spaced apart

contact members and each cooperating with said first mentioned contact members, each of said first mentioned contact members being connected to a free end of one of the insulated wires in said primary and secondary windings, means responsive to contraction of said windings to interconnect the wires therein in series, means responsive to expansion of said windings to interconnect the wires therein in parallel and manually operated means to expand or contract the said inductance coil.

2,252,920
HOSE COUPLING
Leo Edelmann, Chicago, Ill.
Application September 13, 1939, Serial No. 294,747
2 Claims. (Cl. 285—87)

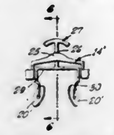


1. A hose coupling for use on the end of a flexible metal lined hose comprising, a coupling body having an opening in one end to receive the end of the hose and provided beyond said opening with a passage communicating with the passage of the hose when in place, said body member having the opening around the hose toward its outer end enlarged substantially concentrically and on a long taper and being provided with a sharply inclined shoulder at the inner end of the enlarged tapered formation, said body portion being externally screw threaded around the portion receiving the hose end, a tightening nut to be turned onto the threaded portion of the body member provided with a flange at its outer end having an opening therethrough to freely pass the hose, and a ductile packing sleeve fitted on the hose end and on its outer side formed on a taper corresponding substantially to the taper of the enlargement of the opening in the body member and of slightly greater diameter.

2,252,921
PROCESS FOR PREPARATION OF VITAMIN B_1
Zoltán Földi and Árpád Gerecs, Budapest, Hungary
No Drawing. Application January 7, 1941, Serial No. 373,518. In Hungary January 25, 1940
6 Claims. (Cl. 260—251)

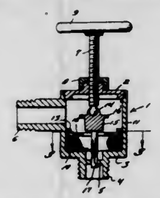
1. A process for preparing vitamin B_1, which comprises the subjecting of 2-methyl-4-amino-5-thioformamidomethyl-pyrimidine, in the presence of salts of weak organic bases formed with strong acids, to the action of 2-methyl-2-hydroxy-3-halogeno-tetrahydrofurane.

2,252,922
OPHTHALMIC MOUNTING
Joseph Goldstein, Los Angeles, Calif.
Application January 31, 1939, Serial No. 253,834
1 Claim. (Cl. 88—49)



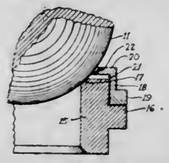
In an ophthalmic mounting for bifocal lenses, spaced lens holding elements, a bridge fixedly extending between said elements having an enlarged central portion, a guiding aperture extending vertically through said central portion of said bridge, means for supporting said mounting comprising a pair of nose pads below said bridge, and a vertically extending bar connected with the nose pads extending through said guiding aperture and terminating in a transverse bar above said bridge, whereby said bar may be moved conveniently with respect to the bridge to adjust the level of the nose pads with respect to said lens holding elements, and spring means arranged on said enlarged central portion of said bridge and adapted to engage indentations in said vertically extending bar for resiliently maintaining the parts in adjusted position.

2,252,923
VALVE
Frank A. Granetz, Huntington, N. Y.
Application March 14, 1941, Serial No. 383,435
1 Claim. (Cl. 251—27)



A valve of the class described comprising a substantially cup-shaped casing including a bottom, an outlet nipple depending from said bottom, an apertured guide traversing said nipple, the casing further having an inlet in its upper portion, a removable closure threadedly mounted in the upper portion of the casing, a stem threaded through said closure into the casing, an actuating wheel on the upper end of said stem, a distortable ring mounted in the casing and resting on the bottom thereof, a substantially flat annulus mounted in the casing and resting on said resilient ring, a substantially frustoconical valve head rotatably mounted on the lower end of the stem and movable thereby through the annulus into the resilient ring, a flange on said head engageable with the annulus for actuating same in one direction for distorting the resilient ring and engaging same with said head and the casing for closing and sealing the space therebetween, and a shank depending from the head and slidably engaged in the guide.

2,252,924
VALVE
Byford C. Hale, Tulsa, Okla.
Application April 24, 1939, Serial No. 269,600
2 Claims. (Cl. 251—121)



1. A valve comprising a spherical valve element, an annular valve member having an annular seating surface on the inner edge thereof to receive said spherical valve element, a remov-

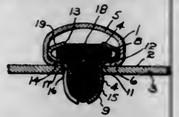
able tubular guide member surrounding said valve member and extending above the upper end of said valve member, an annular lip extending inwardly from the upper end of said guide member to overhang the upper end of said valve member and spaced vertically from said upper end of said valve member to provide a radially disposed annular cushioning chamber, said lip terminating in an upwardly and outwardly tapering guiding surface, which is off-set relative to said annular seating surface whereby said spherical valve element will be out of contact with said guiding surface when seated in said annular seating surface, and a casing for housing said valve element, said valve member and said guide member.

2,252,925

DOUBLE SNAP FASTENER AND INSTALLATION OF THE SAME

Charles L. Hall, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application August 19, 1939, Serial No. 291,077
6 Claims. (Cl. 24—73)



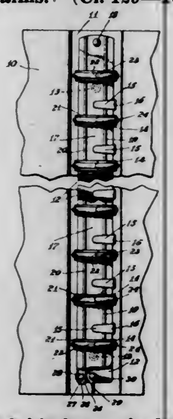
1. A fastener member comprising a cup-shaped base at one end, said cup-shaped base being open at one end thereof, a hollow boss extending from said base providing a split stud head and neck for fastener engagement with a support through an aperture thereof and a plug of flexible material normally disposed within said hollow boss to seal the openings thereof.

2,252,926

LOOSE-LEAF BINDER

Atto N. Hanna, Newark, N. J.

Application August 3, 1938, Serial No. 222,762
8 Claims. (Cl. 129—10)



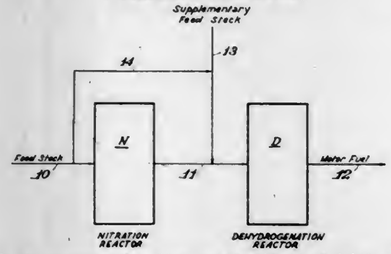
7. A loose leaf binder embodying therein a sheet metal base strip, a plurality of arcuate posts formed integrally with, and projecting upwardly from, one edge of, and part way across, said base strip, a plurality of tongues formed integrally with, and projecting from the same edge of said base strip as said posts, said tongues overlaying, being parallel with and being spaced from said base strip, a movable sheet metal strip having a plurality of arcuate posts complementary to the posts upon said base strip and formed integrally with, and projecting upwardly from one edge of, said movable strip, said movable strip having a longitudinally extended, upwardly formed rib engageable with the tongues upon said other strip and being of a thickness to be superimposed upon said base strip and to closely fit the space between same and said tongues, whereby said movable strip will be firmly held in close abutting relation to said base strip, turning movement of said movable strip in one direction is limited, lifting of the arcuate posts upon said movable strip in relation to the arcuate posts upon said base strip is prevented, said tongues are interposed between said movable strip and the leaves of a book, and both strips contribute towards the rigidity of the binder, and a pivot connecting one end of said strips.

2,252,927

GASOLINE MANUFACTURE

Llewellyn Heard, Hammond, Ind., and Alex G. Oblad, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application March 31, 1939, Serial No. 265,356
7 Claims. (Cl. 44—9)



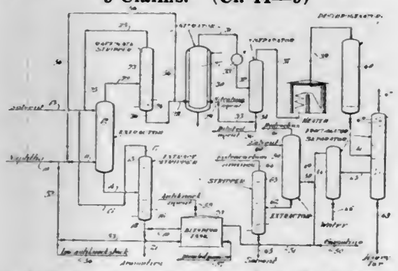
1. A process for the production of high antiknock motor fuels from a low antiknock gasoline which comprises incorporating at least one nitroaromatic hydrocarbon in said low antiknock gasoline in an amount sufficient to yield a quantity of aromatic amine which will substantially increase the knock rating of said gasoline and then simultaneously catalytically dehydrogenating said low antiknock gasoline and converting said nitroaromatic hydrocarbon to an aromatic amine.

2,252,928

HYDROCARBON CONVERSION

Robert F. Marschner, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application August 10, 1939, Serial No. 289,364
9 Claims. (Cl. 44—9)



1. A process for the production of a high antiknock fuel from a low antiknock fuel containing

a substantial amount of naphthenic hydrocarbons which comprises nitrating at least a portion of the naphthenic hydrocarbons in said low antiknock fuel and subjecting the product from said nitration to catalytic dehydrogenation to reduce the naphthenic hydrocarbons to aromatic amines in an amount sufficient to increase substantially the antiknock value of said low antiknock fuel.

2,252,929

VIOLIN BOW

John Heddon, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a corporation of Michigan

Application March 6, 1940, Serial No. 322,581
6 Claims. (Cl. 84—282)



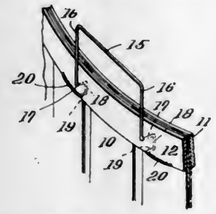
1. In a violin bow a staff in the form of a tube, a plug adapted to be fitted within the staff at one end thereof, means extended outwardly from the plug affording a stop by which to limit the distance of the plug entry within the staff, the plug being formed intermediately of its length with an elongated slot open on one side thereof, and the walls of the staff being formed with a complementary slot adapted to register with the slot of the plug when the latter is fitted within the staff, the plug being provided with an axial passageway extended for substantially the length thereof and interrupted by the slot therein, a stem extended through the axial passageway of the plug and rotatably supported therein at opposite ends thereof, the portion of the stem transversing the slot being formed with screw threads, a collar having screw threads adapted to cooperate with those on the stem and disposed within the slot of the plug adapted to be shifted lengthwise thereof in response to rotation of the stem, a stud extended laterally from the collar through the slots of the plug and of the staff to a point exteriorly of the latter, and a frog slidably mounted upon the exterior of the staff adapted to occupy shifting positions in all of which the staff slot is covered by the frog, and means adjustably connecting the threaded stud to the frog whereby the latter is supported slidably upon the staff, the frog being shiftable lengthwise of the staff in response to rotation of the stem.

2,252,930

HANDLE FOR BASKETS AND LIKE RECEPTACLES

Paul Hintz, Marshall, Tex.

Application March 18, 1939, Serial No. 262,703
2 Claims. (Cl. 217—125)



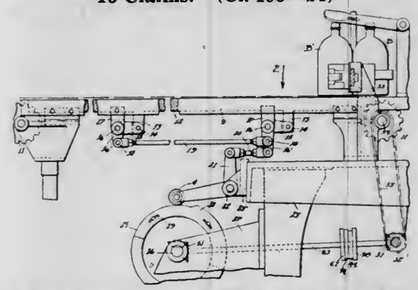
1. A handle for a basket of side wall and top hoop construction, comprising an integral structure of wire including a bight for receiving the hand or cover slat and having downwardly extending legs located outside the basket, inwardly turned parts which pass through the top hoop and into the interior of the basket, downwardly turned parts inside the basket, outwardly turned parts which pass through the side wall and emerge at the outside immediately below the outer top hoop, and peripherally directed end parts located below and substantially in contact with the lower edge of the outer top hoop and having the extreme ends located inside of the outer diameter of the outer top hoop whereby said extreme ends are substantially protected against accidental engagement, said inwardly, downwardly and outwardly turned parts being held substantially immovable relative to the side wall by said peripherally directed parts while said legs are moved during the operations of engaging and disengaging said bight with the cover slat.

2,252,931

BOTTLE FEED AND HOLDBACK MOTION

Carl Holm, Worcester, and Henry A. E. Sjoberg, North Grafton, Mass., assignors to Economic Machinery Company, Worcester, Mass., a corporation of Massachusetts

Application January 8, 1940, Serial No. 312,818
13 Claims. (Cl. 198—24)



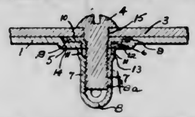
1. The combination with a conveyor for advancing articles thereon and a slide reciprocable laterally of the conveyor for the removal of a pair of articles simultaneously from the conveyor, of a pair of latches normally holding the slide in inoperative position, means engageable by one of the articles and associated with one of the latches for rendering said latch inoperative when said article is in a position to be removed from the conveyor, and other separate means engageable by the second article of the pair and associated with the other latch whereby said other latch is inoperative when the second article of the pair is in the proper position.

2,252,932

SHEET METAL NUT AND NUT INSTALLATION

Frank E. Johnson, Malden, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

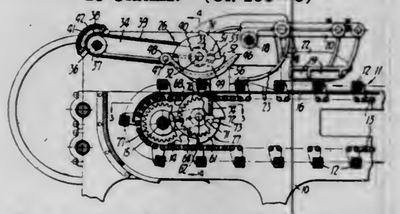
Application March 21, 1938, Serial No. 197,144
2 Claims. (Cl. 85—32)



1. A fastening device for securing an apertured metallic member to an apertured support comprising a nut member adapted to be inserted through the aperture in said support formed of a single piece of relatively stiff sheet metal and providing a pair of spaced laterally yieldable leg portions connected at the entering end by a bend forming a U-shaped shank which is rigid against

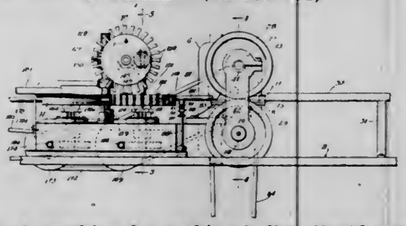
axial deformation when in use, a flange portion extending laterally from the opposite end of each leg portion and adapted to overlie a part of the support surrounding the aperture through which said shank may be inserted, a laterally projecting shoulder on the outer face of each leg portion spaced from said flange portion for engagement with the opposite face of said support for preventing displacement of said nut member axially from said support after said member has been snapped in place therein, the inner faces of said leg portions being threaded throughout a substantial portion of their length and presenting a substantially uniform diameter threaded bore, and a threaded fastening member insertable through the apertured metallic member and into the shank from the flanged end, engaging the threaded legs throughout a substantial length thereof, for axially clamping the support and metallic member between the fastening member and the laterally projecting shoulders of said nut member.

2,252,933
CORNHUSKER
Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 25, 1938, Serial No. 215,887
13 Claims. (Cl. 130—5)



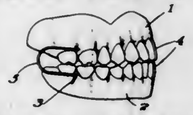
1. In a corn husker, an apertured plate, a conveyor for moving ears of corn over said plate, ripping means including teeth projecting through an aperture in said plate, and means for moving said teeth in a direction opposite to the movement of the ears of corn for ripping engagement with the husks thereof, the walls of said plate defining said aperture being spaced closely adjacent said teeth to effect cleaning of said teeth after engagement thereof with each ear of corn.

2,252,934
COUGH DROP
Alfred J. Lautmann, Detroit, Mich., assignor to Iodent Chemical Company, Detroit, Mich., a corporation of Michigan
Original application June 8, 1939, Serial No. 278,040. Divided and this application October 30, 1939, Serial No. 301,914
20 Claims. (Cl. 107—54)



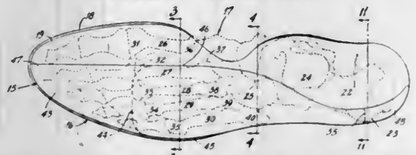
1. A machine for making hollow liquid center edible articles comprising, in combination, means for forming and feeding along a predetermined path a ribbon of plastic hard candy material in an upwardly facing U-shaped cross-sectional form, means along said path operable as said ribbon advances to press the sides of said U-shaped ribbon together along horizontally spaced vertical lines to form an upwardly facing series of pockets in said ribbon, means operable as the series of pockets advances to fill each of said pockets with a predetermined quantity of a center material, and means operable upon the advancing ribbon to press the upper edges of said pockets together to enclose the center material therein.

2,252,935
DENTISTRY JAW
Carl Emil Liedberg, Chicago, Ill.
Application October 3, 1940, Serial No. 359,587
1 Claim. (Cl. 32—4)



The combination with upper and lower plates or sets of artificial teeth, one of said plates having a pair of sloping grooves in the region of the rear molars and on the buccal faces thereof, of connectors for said plates comprising a pair of substantially U shaped spring elements located on the buccal side of said plates and having lateral extensions at the ends thereof, one of said extensions of each of the pair of spring elements being adapted to be embedded in the one plate without the sloping grooves and adjacent to the rear molars and the other extension of each of the pair of spring elements being adapted to operate in the sloping groove in the opposite plate to hold the plates in the proper relation in the mouth of the user during all normal use thereof.

2,252,936
METHOD OF BALANCING A FOOT WITHIN A SHOE
Charles P. Leydecker, St. Louis, Mo.
Application March 5, 1938, Serial No. 194,021
5 Claims. (Cl. 12—142)

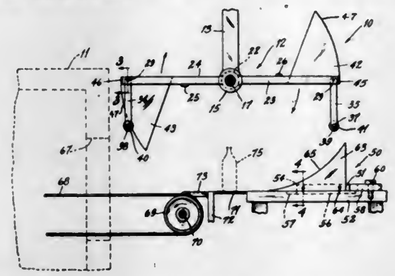


1. A method of properly locating a foot within a conventional shoe comprising wedging the tuberosity of the os calcis to prevent wobbling at the heel, elevating the base of the fifth metatarsal relative to the surface of the inner sole of the shoe, and elevating the forward portions of the fifth, fourth, third, and second metatarsals predetermined amounts relative to the surface of the inner sole of the shoe.

2,252,937
LEHR LOADER
Fred C. Link, East St. Louis, Ill., and William E. Link, St. Louis, Mo.
Application August 25, 1937, Serial No. 160,748
16 Claims. (Cl. 198—25)

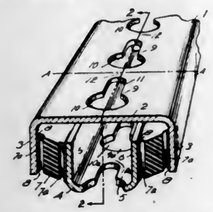
10. A lehr loader comprising a member mounted for rotary movement about a horizontal axis in one direction, means rotatably supporting said member, and means pivotally connected to said

member for bodily movement about the horizontal axis adapted to slide in the same position



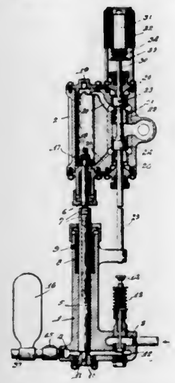
glassware from one carrier onto another carrier.

2,252,938
JOINT
Hugh C. Lord, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 17, 1939, Serial No. 257,020
10 Claims. (Cl. 248—358)



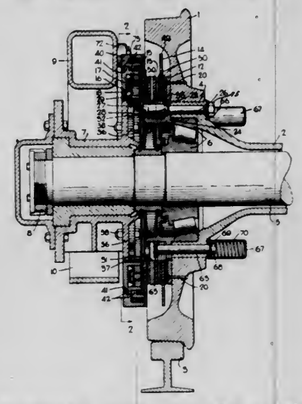
1. A joint assembly having strips providing opposing walls with opposing inturned portions, and resilient material such as rubber secured to and bridging the space between said walls; said inturned portions having offset and overlapping elongated slots related to place a securing area of a slot in one inturned portion under an access area in an opposing slot in the opposing inturned portion.

2,252,939
FEEDING DEVICE
Verl E. McCoy, La Grange, Ill.
Application November 4, 1937, Serial No. 172,687
1 Claim. (Cl. 103—50)



A proportional pump comprising a cylinder, having an inlet and an outlet adjacent one end, a reciprocable piston in said cylinder, a check valve in said inlet, a check valve in said outlet, means for intermittently operating said piston, control means for said operating means, and means operated by said control means to open said inlet check valve substantially instantly and simultaneously with the start of the suction stroke of said piston irrespective of the length of stroke, and adjustable means to vary the length of stroke of said piston.

2,252,940
BRAKE APPARATUS FOR VEHICLES
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 31, 1940, Serial No. 337,990
14 Claims. (Cl. 188—153)

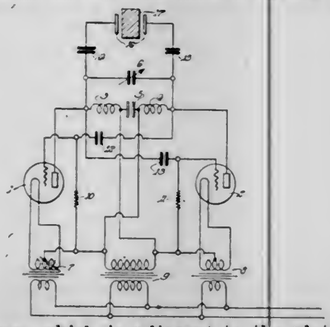


1. A disk brake mechanism for a wheel and axle assembly of a railway vehicle truck, comprising, an annular rotatable friction brake element secured to rotate with said assembly in coaxial relation therewith, an annular non-rotatable friction brake element adapted to frictionally engage said rotatable element to effect braking of said assembly, an annular brake cylinder device arranged in coaxial relation to said brake elements and operative to effect frictional interengagement between said brake elements, means secured against radial movement relative to said assembly for carrying said brake cylinder device, support means carried by said brake cylinder device and adapted to turn relative to said brake cylinder device about its axis and carrying said non-rotatable element, and a member connecting said support means to a portion of the truck for holding same and thereby said non-rotatable element against rotation with said rotatable element.

2,252,941
OSCILLATING CIRCUITS FOR ELECTRO-THERAPEUTICS
Eugene Mittelmann, Chicago, Ill., assignor of one-third to Henri C. Marcy and one-third to Le Roy W. F. Roedell, both of Chicago, Ill.
Application May 24, 1940, Serial No. 336,988
3 Claims. (Cl. 250—36)

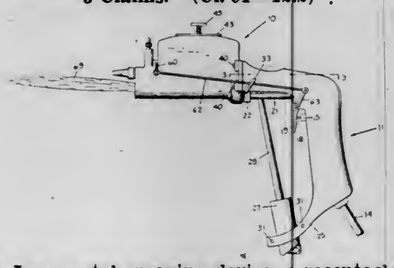
1. In an oscillating circuit, a split inductance, a pair of oscillating tubes, said inductance being connected at its ends to the plates of said tubes, separate source of energy for the filaments of said tubes, and a single winding plate transformer connected between the filaments of said tubes,

the filaments of each tube being connected to the inner end of that portion of the split in-



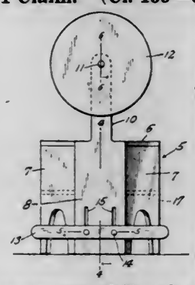
ductance which is adjacent to the plate of the other tube.

2,252,942
METAL SPRAY GUN
Clyde M. Mourer, Lincoln, Nebr.
Application July 1, 1938, Serial No. 216,982
3 Claims. (Cl. 91—12.2)



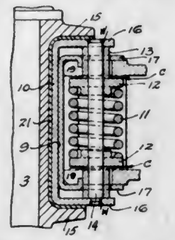
1. In a metal spraying device, a receptacle for the metal, a nozzle through which the metal is projected, a passage between said receptacle and said nozzle for said metal, a conduit for conveying compressed air to said nozzle, a burner, and an open ended passage for the burner flame between the metal receptacle and the air conduit and through which the burner flame projects onto the surface to be coated so as to heat simultaneously the metal in the receptacle, the air passing to the nozzle, and the surface to be coated.

2,252,943
NURSERY ACCESSORY
Dave Eugene Newman, Elliston, Mont., assignor of one-half to Leo T. Newman
Application March 22, 1940, Serial No. 325,467
1 Claim. (Cl. 155—31)



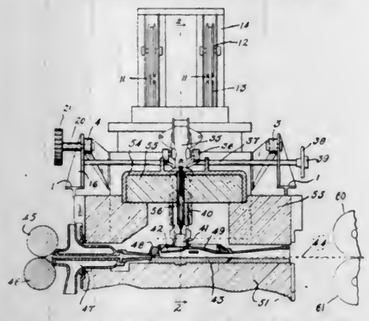
A nursery accessory of the character described comprising a stool having a seat and supporting legs, said stool tapering longitudinally and gradually diminishing in width progressively from the rear to the front end thereof, a standard rising from said stool at the front end thereof, an amusement device mounted on said standard, and said stool being provided with a pot accommodating compartment opening at the rear end of the stool, and the seat of said stool constituting the top of said compartment and equipped with an opening and a foot bar extending transversely across the front of the stool and supported for vertical adjustment on said front of the stool.

2,252,944
RAILWAY AXLE BOX PEDESTAL STRUCTURE
Arthur H. Pagenkemper, Glenolden, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application June 12, 1939, Serial No. 278,612
14 Claims. (Cl. 105—222)



1. A railway vehicle axle box and pedestal lateral motion device comprising a liner arranged for fixed application to the pedestal receiving the box, and a coil spring and follower structure mounted on said liner and forming therewith a self-contained unit constructed and arranged to yieldingly oppose relative movement of said box and pedestal in opposite directions transversely of the vehicle.

2,252,945
METHOD OF AND APPARATUS FOR MAKING COMPOSITE BEARING STRIP
John V. O. Palm, Cleveland Heights, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1936, Serial No. 105,776
6 Claims. (Cl. 22—57.2)

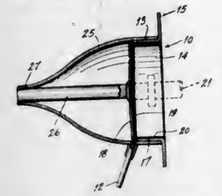


1. In a composite metal strip machine, the combination of means for moving a backing metal strip, a molten metal reservoir, tiltable supporting means for said reservoir, variable speed power means connected to said supporting means and adapted to tilt said reservoir and thereby pour molten metal therefrom at a uniform, predetermined rate of flow, and conduit

means leading from said reservoir to a point adjacent said backing strip.

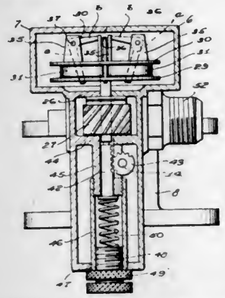
6. In a continuous method of making a composite strip, the steps which consist in pouring molten metal having a melting point of the order of the melting point of plastic bronze onto a moving backing strip at a uniform predetermined rate, moving said backing strip at a predetermined uniform rate as the molten metal is being poured thereon, the rapidity of pouring and of strip movement being so controlled as to obtain a composite strip wherein the thickness of the sound usable portion of the applied layer is substantially uniform and closely approaches the required thickness of said applied metal in the products made from said strip.

2,252,946
THERMOSTAT
Lawrence M. Persons, St. Louis County, Mo., assignor to Automatic Control Corporation, St. Louis, Mo., a corporation of Delaware
Application December 1, 1937, Serial No. 177,406
2 Claims. (Cl. 297—3)



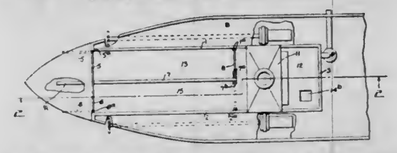
1. In combination, a thermostat including a cup, a diaphragm within the cup, a pear-shaped member of expansible material fixed to the cup, and a shaft of material of a low coefficient of expansion fixed to the member and normally maintaining said cup under compression, said member and shaft comprising means to compensate for temperature changes in the medium surrounding the cup and diaphragm.

2,252,947
SPEED CONTROL FOR MOTOR VEHICLES OPERATED BY INTERNAL COMBUSTION ENGINES
James Howard Reed, Brownsville, Tex.
Application December 23, 1938, Serial No. 247,535
3 Claims. (Cl. 264—17)



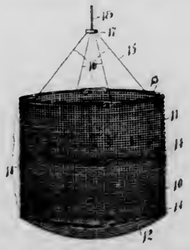
1. A governor apparatus comprising a controlled shaft, a controlling shaft, a rack, a gear carried by the controlled shaft and meshing with the rack, spring means urging the rack in one direction, a rotatable assembly including a plurality of centrifugally movable weight members, bell-cranks mounted on the rotary assembly and each having one leg engaged with a corresponding weight member, a slidable stem adapted to be reciprocated by the remaining legs of the bell-cranks, said stem being operative against the rack to slide said rack and rotate the controlled shaft when the weight members respond to centrifugal force, and drive means between the controlling shaft and rotary assembly, said rotary assembly comprising a pair of plates, angle members interposed between the plates to space the plates apart and define guideways, said weights having portions of themselves slidably disposed in said guideways.

2,252,948
GARBAGE AND TRASH DISPOSAL BOAT
Joseph Schadek, San Diego, Calif.
Application January 20, 1939, Serial No. 251,968
8 Claims. (Cl. 114—0.5)



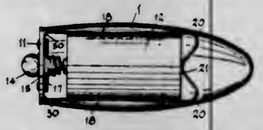
1. A garbage and trash disposal boat having propelling means adjacent the rear end thereof, a pit extending longitudinally of the hull and opening outwardly through the rear end thereof, a gate for closing said opening, a second gate of substantially the same size as a cross section of said pit spaced rearwardly from the forward end of the pit and forwardly from the first mentioned gate, pump means within the hull for filling the space between the second-mentioned gate and the forward end of the hull, means for opening the gates thereby permitting water in the space above mentioned to flood out garbage located between the gates.

2,252,949
MINNOW NET
Robert Thomas Schell, Barlochan, Ontario, Canada
Application April 26, 1941, Serial No. 390,518
In Canada May 15, 1940
5 Claims. (Cl. 43—7)



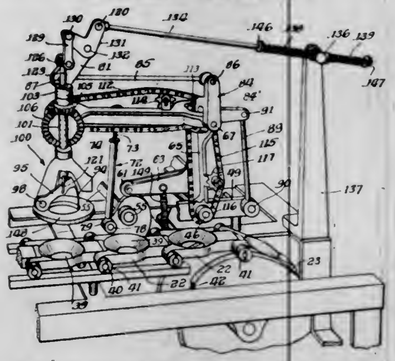
1. In a net of the class described, a cylindrical body comprising a pliant netting forming the side and bottom walls thereof, and annular ribs about the side wall in spaced relation and attached to the netting, the said ribs being characterized in that they are each composed of resilient sections circumflexed from a relaxed linear condition to conjointly form an annulus, the meeting ends of the sections having eye portions by which they are hingedly connected, and latch means being provided whereby the component sections are maintained in a circumflexed condition.

2,252,950
DRY BATTERY LAMP
Ernest E. Seiss, Toledo, Ohio
Application September 8, 1939, Serial No. 293,992
3 Claims. (Cl. 240—7.55)



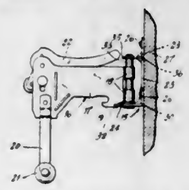
1. In a dry battery lamp, a lamp shell; a battery; a movable frame for supporting the battery and insertable in the shell and having side parts located on opposite sides of the battery; one end of the shell having a plurality of inwardly-extending lugs for engaging the opposite edges of the side parts and slidably supporting the frame and the other end having an inclined part, the frame having elastically-projecting parts for elastically engaging the inclined part of the shell for elastically supporting the frame and means for securing the frame in the shell.

2,252,951
TOMATO CORER
William E. Urschel and Gerald W. Urschel, Valparaiso, Ind.
Application January 18, 1939, Serial No. 251,595
20 Claims. (Cl. 146—52)



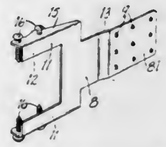
1. In a device of the class described, the combination of a horizontally movable conveyor providing a plurality of spaced apart holding means each adapted to support a tomato with its stem axis vertically disposed, a coring head adapted to overlie the path of movement of said conveyor, said head including a tomato holding surface provided with an aperture concentrically registering with the core of the tomato when said holding surface is brought into registration with the tomato, a coring knife swingably mounted upon said head about a horizontal axis and adapted to shift arcuately about said axis into contact with a tomato, a drive shaft for said head adapted to rotate about a vertical axis, said drive shaft being hollow, means for rotating said hollow drive shaft, means passing through said drive shaft and connecting with said knife for shifting said knife about its horizontal pivotal axis, lever mechanism including a compression spring adapted under tension to actuate said knife operating mechanism to shift said knife into contact with said tomato, and power actuated levers arranged in parallelogram formation for raising and lowering said head and compressing said knife operating spring, and for causing said head and coring knife to move vertically downwardly into contact with the tomato and thence to move parallel with said tomato while in contact therewith and at the same speed as the speed of said conveying means, for coring the tomato.

2,252,952
BRACKET
Otto Vieth and Walter E. Aeschbach, St. Louis, Mo.; said Vieth assignor to Steel Products Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application May 20, 1939, Serial No. 274,733
3 Claims. (Cl. 248—296)



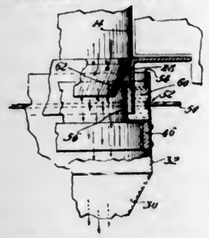
3. A supporting mechanism for pivotally supporting a can opening device from a supporting surface comprising a member including a vertical section and a horizontal section, said vertical section being adapted to be secured to a wall or the like, a vertical post secured to said horizontal section and extending therefrom, a notch in said horizontal section, an elongated member terminating in looped portions at one end, said looped portions pivotally engaging said post, said elongated member including a portion adapted to engage said notch in one position of said elongated member, said notch being disposed to position said elongated member at right angles to said vertical section, said elongated member being adapted to be moved from said notch and pivotally into a position substantially parallel to said vertical section, and a member pivotally connected to said vertical section having an aperture therein, said member being adapted to engage the free end of the post to strengthen the same and to prevent accidental removal of the elongated member.

2,252,953
MOUNTING BRACKET FOR SWITCH BOXES
Carl E. Walters, Kalamazoo, Mich.
Application April 24, 1939, Serial No. 269,552
10 Claims. (Cl. 220—3.9)



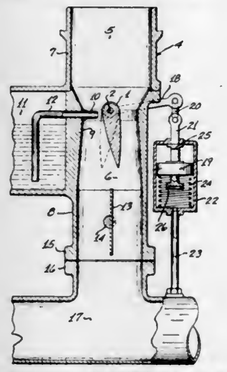
6. In combination, a switch box having flanges adjustably mounted on opposed walls thereof, and a supporting bracket for said box comprising an attaching portion adapted to be secured to a wall support, and a clamping portion provided with a recess adapted to receive said box therein, said clamping portion being engageable with said flanges to position the bracket relative to the box as desired by adjustment of said flanges and having a plurality of set screws therein engaging the box for clamping the box when the desired location of the bracket relative to the box is determined, said set screws permitting removal of the box from the bracket when desired.

2,252,954
HEATING DEVICE
Harry Stewart Wheller, New York, N. Y., assignor to L. J. Wing Mfg. Co., New York, N. Y., a corporation of New York
Application April 13, 1938, Serial No. 201,653
3 Claims. (Cl. 98—40)



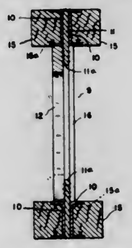
1. In a device of the character described, in combination, a casing having an air outlet, air heating means arranged in the casing, means for circulating a stream of air through the casing secured thereto, an annular flange arranged on the casing adjacent the air outlet and defining said outlet, said flange extending downwardly from the casing and an air discharge member mounted on the casing for rotation relatively thereto, said air discharge member including an annular wall and a metal strip suitably bent and secured to said wall to form therewith a fluid holding annular trough, an air seal forming fluid provided in the trough, said flange arranged in the trough and extending into the fluid.

2,252,955
DEVICE FOR PROMOTING AND CONTROLLING ASPIRATION
Herbert A. Woods, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application January 9, 1940, Serial No. 313,079
3 Claims. (Cl. 261—62)



3. In a carburetor, a mixture conduit, an airfoil pivoted in said conduit comprising a plate of comparatively thick section at its upstream edge and tapering to a thinner section downstream therefrom and being pivoted at its thickest most constricting point, a fuel nozzle discharging into said conduit on one side of said airfoil and in the zone of lowest static pressure adjacent the most constricted point, resilient means for urging said airfoil in a direction away from said nozzle so as to increase the angle of divergence downstream therefrom between the wall of the conduit and the airfoil, and means communicating with said conduit and responsive to decreasing pressure therein for moving said airfoil in an opposite direction.

2,252,956
BUILDING CONSTRUCTION ELEMENT
Victor C. Adler, Detroit, Mich.
Application January 3, 1939, Serial No. 248,926
5 Claims. (Cl. 189—40)

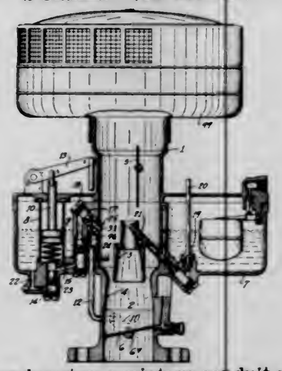


1. A composite wood and steel I-beam having compression and tension elements consisting of steel channels arranged back to back with an interposed steel strip of sufficient width to project beyond said channels at one side, the channels and strip being welded together, a skeleton web-element welded to said projecting strip portions, and wood strips fixed in said channels.

2,252,957
PROCESS FOR PRODUCING PETROLEUM SULPHONATES
John R. Averill, Webster Groves, Mo., and Edwin E. Claytor, Long Beach, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application September 6, 1940, Serial No. 355,610
7 Claims. (Cl. 260—504)

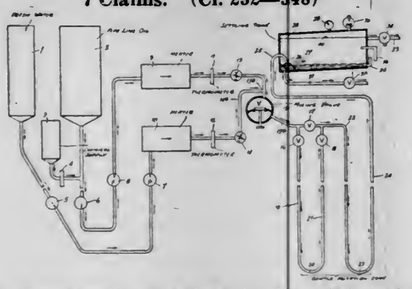
1. A process for producing petroleum sulphonates, characterized by subjecting a member of the class consisting of non-pretreated crude petroleum, non-pretreated mineral oil, non-pretreated petroleum distillate, and non-pretreated mineral oil extract containing a significant amount of polymerizable constituents to the following procedure; (*a*) a sulphonation-polymerization step; (*b*) a washing step involving an aqueous vehicle and subsequent separation of dilute acid; (*c*) a neutralization-alcoholic solvent addition-extraction step involving neutralization by means of a soluble salt-forming base and the addition of a predetermined amount of an ethyl alcohol-isopropyl alcohol-water mixture in which the percentage composition of the components has been predetermined, said percentage composition in regard to each component being within the range of not less than 20% and not more than 55% by volume and said addition being made so that the added aqueous alcohol solution is not less than one-half the weight and not more than twice the weight of the neutralized sulphonate; (*d*) permitting said previously agitated diluted mass to separate into a three-layer system consisting of: (A) unreacted oil substantially free from mahogany acid sulphonates and peppery sludge; (B) an aqueous alcohol solution of petroleum sulphonates substantially free from unreacted oil, inorganic acid salts, and peppery sludge; and (C) a substantially concentrated salt brine containing loosely commingled peppery sludge; and (*e*) withdrawing said aforementioned (A) layer and (C) layer.

2,252,958
CARBURETOR STRUCTURE
George M. Bicknell, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Substituted for abandoned application Serial No. 94,764, August 7, 1936. This application July 19, 1939, Serial No. 285,410
2 Claims. (Cl. 261—34)



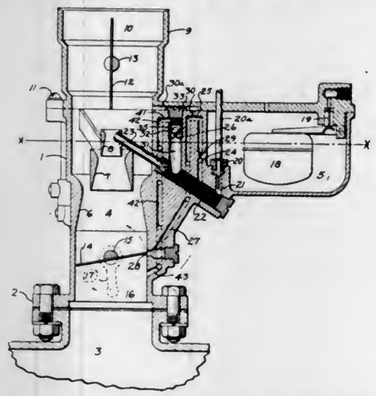
2. In a carburetor, a mixture conduit surrounding a high suction zone including a Venturi tube and a lesser suction zone adjacent the same, a main fuel supply system including a nozzle under the influence of said high suction zone, an accelerating fuel supply system including a pump, an accelerating nozzle having a passage connected with said pump at one end and its other end comprising a bore opening into said lesser suction zone adjacent the conduit wall, a suction breaking bleed passage intersecting the inner end of said bore and communicating with a zone of atmospheric pressure outside the mixture conduit, and said nozzle providing a restricted fuel orifice in said fuel passage adapted to form a liquid fuel jet immediately anterior to and coaxial with said bore, said bore being sufficiently wide and short so that said jet will be projected through said bore and beyond the conduit wall during normal operation of said pump substantially without striking the walls of said bore, said bleed passage being larger than said orifice so as to substantially satisfy suction applied to said orifice from said mixture conduit.

2,252,959
PROCESS FOR TREATING PIPE-LINE OIL
Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application May 31, 1940, Serial No. 338,107
7 Claims. (Cl. 252—348)



1. A process for treating pipe line oil to reduce the inorganic salt content of the oil, which comprises mixing fresh water with the pipe line oil in such a manner as to produce an admixture in which a major portion of the original water droplets co-exist with but are not combined with the droplets of the added water, heating at least the oil of the admixture to bring the admixture to a suitable elevated breaking temperature, subjecting the heated admixture to a period of gentle agitation characterized by a Reynolds number of between 2100 and 300,000, for a period of from 2 to 5 minutes, to effect coalescence to a large extent of the original water droplets with the co-existing water droplets, accompanied by coalescence of the added water droplets so that the coalesced water masses will remove the greater part of the salt content of the original pipe line oil, incorporating a chemical demulsifying agent in the admixture prior to the period of gentle agitation, settling the admixture and separating the oil and water phases.

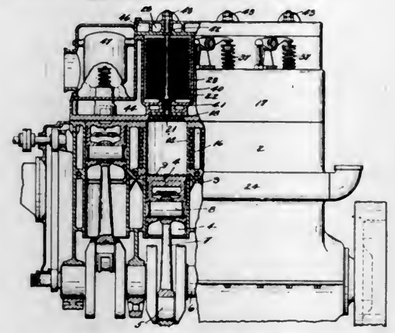
2,252,960
CARBURETOR STRUCTURE
Morris C. Brown, Normandy, Mo., assignor to Carter Carburetor Company, St. Louis, Mo., a corporation of Delaware
Application March 29, 1940, Serial No. 326,645
6 Claims. (Cl. 261—41)



1. In an internal combustion engine, a downdraft carburetor having a mixing conduit, a throttle valve for controlling the outlet of said mixing conduit, a constant level fuel chamber, a fuel conduit system for conducting fuel from said fuel chamber to said mixing conduit comprising a passageway extending diagonally upward from a point near the bottom of said fuel chamber, a nozzle extending from the upper end of said passageway to a point in said mixing conduit slightly above the level of fuel, said nozzle forming a constricted continuation of said passageway, a branched passageway diverging from said diagonal passageway and rising substantially vertically to a point above the level of fuel and then downwardly and discharging near the upward opening edge of said throttle valve, a constant size atmospheric vent to said branched passageway at a point above the level of fuel, a second branched passageway substantially less restricting than said nozzle diverging from said diagonal passageway and rising more directly to a point above the level of fuel, a passageway connecting the upper end of said second branched passageway with said mixing conduit at a point posterior to said throttle valve, and a gravity opened check valve positioned near the upper end

and constructed and arranged to close said second branched passageway in response to suction consequent to normal engine operation.

2,252,961
ENGINE
Donald J. Campbell, Spring Lake Township, Ottawa County, Mich.
Application December 29, 1938, Serial No. 248,225
10 Claims. (Cl. 60—14)

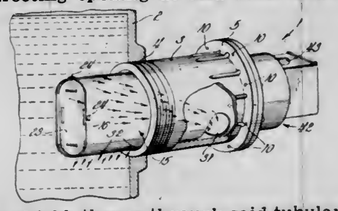


7. In an internal combustion engine as herein described, a cylinder block having a cylinder therein and a tubular pressure generating coil encircling the said cylinder and a cylinder head including a second coil in heat exchange relation with the combustion space of the engine and a third coil supported by the cylinder head in superposed relation to said second coil, and means for directing the products of combustion from said cylinder into heat exchange relation with said third coil, all of said coils being interconnected for circulation of a fluid therethrough.

10. In an internal combustion engine as herein described, a cylinder block having a cylinder therein, a cover closing an end of the said cylinder, a tubular pressure generating coil associated with the said cylinder and adapted to absorb heat therefrom, a tubular elastic fluid pressure generating coil associated with the said cylinder cover and having connection with the first named pressure generating coil and adapted to absorb heat of combustion in the said cylinder, an elastic fluid admission valve and a tubular elastic fluid pressure superheating coil and having connection with the said elastic fluid pressure generating coil and with the admission passage of the elastic fluid admission valve, the said superheating coil heated by the exhaust gases from the said cylinder, and a casing enclosing the said superheating coil.

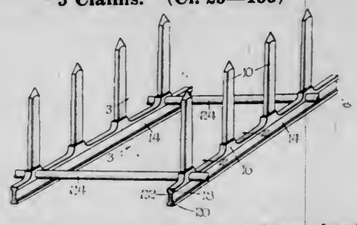
2,252,962
SELF-CLEANING BOILER CONTROL
Oscar F. Carlson, Kenilworth, Ill., assignor of one-half to Oscar F. Carlson Company, Chicago, Ill., a corporation of Illinois and one-half to Everett N. McDonnell, Chicago, Ill.
Application November 30, 1940, Serial No. 367,871
5 Claims. (Cl. 137—104)

1. A self-cleaning boiler control or the like comprising in combination, a tubular shield for housing a control member and adapted to be mounted in the wall of a boiler with one end disposed within said boiler and with the other end disposed outwardly of said boiler, said tubular shield having a circulation directing opening at said one end in the lower portion thereof and a circulation directing opening at said other end, there being a passageway extending from said boiler to the circulation directing opening at said other end whereby water from the boiler is caused to flow through said passageway into the circulation directing opening at said other end of said



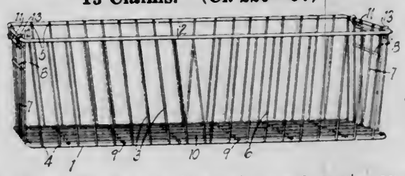
tubular shield, thence through said tubular shield substantially along the bottom inside surface thereof, and thence out of the circulation directing opening at said one end of said tubular shield back into said boiler.

2,252,963
SUPPORT
Frank A. Fahrenwald, Chicago, Ill.
Application October 27, 1938, Serial No. 237,297
5 Claims. (Cl. 25—153)



1. In a furnace support, an I beam having a vertical web and horizontal top and bottom flanges not greater in horizontal dimension than twice the thickness of the web; a plurality of pre-cast uprights embedded in and projecting upwardly from the beam; said beam having transverse holes drilled therethrough to receive cross bars.

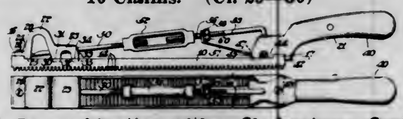
2,252,964
CRATE OR RECEPTACLE
Arnold T. Faulkner, Battle Creek, Mich., assignor to United Steel and Wire Company, Battle Creek, Mich., a corporation of Michigan
Application August 25, 1939, Serial No. 291,967
13 Claims. (Cl. 220—97)



1. In a rectangular non-tapered crate or receptacle, the combination of top and bottom border frames of wire, side and end wall slats of wire welded at their upper ends to the inner side of the top border frame and at their lower ends to the outer side of the bottom border frame, the top and bottom frames being of such relative dimensions that the bottom frame of one crate may be passed through the top frame of another crate with the slats of corresponding walls in substantially the same vertical plane, the side and end wall slats being disposed in oppositely inclined group relation from the centers of the

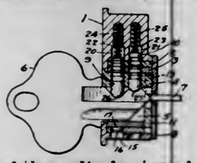
sides and ends, said slats being spaced apart along the frames and the degree of inclination of the slats being such that the slats of one crate will telescope side by side with corresponding slats of another crate to permit substantial nesting, the degree of inclination being such, however, that the slats engage predetermined nesting points for limiting the nesting position of the crates, and a bottom grid comprising longitudinal and transverse members welded at their ends to the upper side of the bottom frame and to each other at their crossing points.

2,252,965
HANDLE FOR FILES
Layton Register Fetterolf, Langhorne, Pa.
Application January 23, 1940, Serial No. 315,154
10 Claims. (Cl. 29—80)



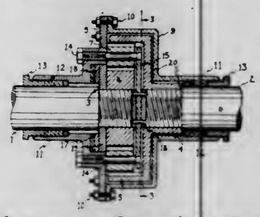
1. In combination with a file having a flexible body with a cutting face portion, spaced handle members for said file, and means extending between said handle portions for varying the end to end curvature of said file body, said means including rods connected to said handle members, a turnbuckle in engagement with said rods and a tension member connected to one of said rods and to one of said handles for imparting a concave curvature to the cutting face portion.

2,252,966
LOCK
Emile Fogelson, New York, N. Y.
Application June 15, 1938, Serial No. 213,760
5 Claims. (Cl. 70—364)



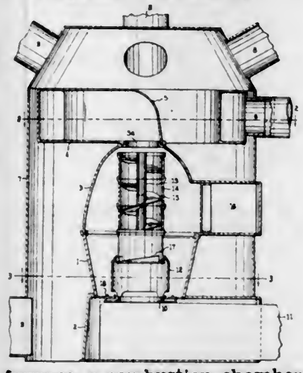
1. In a lock of the cylinder type having tumbler pins, a plug and a bolt operating bar and, a cylinder; an intermediate sleeve through which said pins pass and means other than said tumbler pins whereby said plug causes said intermediate sleeve to rotate during an opening and closing movement of the plug through a fractional part of the movement of said plug.

2,252,967
GEARING
George Forton, Detroit, Mich.
Application September 26, 1940, Serial No. 358,470
4 Claims. (Cl. 74—413)



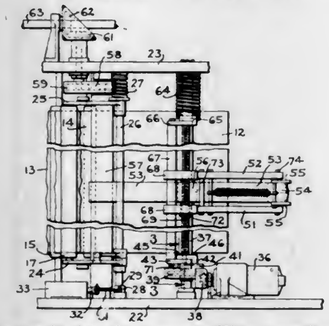
1. In a change speed gearing, the combination with aligned driving and driven shafts, having adjacent ends, of an annular internal gear fixed on one of said ends, a gear fixed on the other of said ends and chambered within the annular gear, a plurality of pinions disposed between and meshing with both of the first mentioned gears, a housing for said gears and pinions having a removable cover plate substantially transverse to said shafts, pins carried at corresponding ends thereof by said cover plate and journaling said pinions, and a reinforcing connection between the other ends of said pins.

2,252,968
FURNACE
Edwin Frankland, Detroit, Mich.
Application July 8, 1936, Serial No. 89,583
Renewed June 14, 1940
7 Claims. (Cl. 158—1)



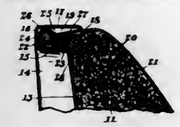
1. In a furnace, a combustion chamber having an outlet in its top, a hollow cylinder disposed substantially vertically in said chamber and beneath said outlet, and spaced from the top of said chamber, to afford a passage to said outlet from the space surrounding the cylinder, means for upwardly discharging fluid fuel interiorly and exteriorly of the cylinder, means within the cylinder for retarding the rise of combustion gases, a radiator chamber surmounting the combustion chamber and communicating with said outlet, and means for withdrawing gases from said radiator chamber.

2,252,969
WEB ROLL CONTROLLING MECHANISM
Stanley C. Freeman, Mount Vernon, N. Y., assignor to R. Hoe & Co., Inc., Bronx, N. Y., a corporation of New York
Application June 11, 1938, Serial No. 213,146
15 Claims. (Cl. 242—75)



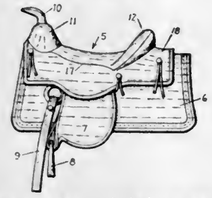
3. In web tension controlling mechanism, a web roll engaging member movable to increase and decrease its pressure upon the roll and slidable in a plane substantially parallel with the axis of the roll, and common means to move and slide said member.

2,252,970
CHAIR BACK CONSTRUCTION
Stanley J. Gedris, Grand Rapids, Mich.
Application December 19, 1940, Serial No. 370,777
7 Claims. (Cl. 155—184)



2. In a chair structure of the class described, a pair of horizontally spaced vertically disposed chair supporting standards, a chair back supported by said standards and comprising a back plate having a continuous flange at the top and sides thereof said flange extending rearwardly, then outwardly, then forwardly, and finally inwardly to form a pocket, padding over the back plate, an upholstery sheet covering the padding, a rod secured within a continuous hem at the top and side margins of the upholstery sheet and inserted within said pocket, and a plurality of clips each having a portion secured to said rod and hem and a forwardly extending portion adapted to engage behind the inwardly extending portion of the continuous flange on the back plate for maintaining the rod and the hem of the upholstery sheet within said pocket.

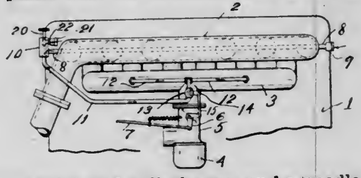
2,252,971
MINIATURE SADDLE
Morris E. Goldstein, Denver, Colo.
Application March 28, 1941, Serial No. 385,640
2 Claims. (Cl. 46—1)



1. A preformed top for miniature saddles, comprising a single piece of leather curved transversely to form an upwardly convex seat, a portion of the material near one end being curved upwardly to form a transversely extending swell fork whose under surface is concave, a portion of the material at the other end of the seat being curved upwardly to form a transversely extending cantle, the under side of the cantle being concave, and self-hardening cementitious material in the depressions in the concave under surfaces of the swell fork and the cantle, said cementitious material serving as means for retaining the shapes of the swell fork and the cantle.

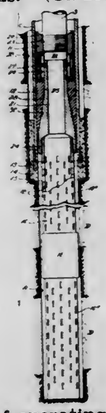
2,252,972
FUEL HEATING ATTACHMENT
Steve Grevas, Nameoki, Ill.
Application August 23, 1939, Serial No. 291,493
1 Claim. (Cl. 123—122)

In an attachment of the kind described, a straight tubular heated conduit having a screened inlet at one end, a needle valved casing at the other end of said conduit in substantially the same plane with its screened inlet, and having a



screened inlet and a discharge, and a needle valve adjustable in the casing for positive closing of the inlet therein.

2,252,973
METHOD FOR TESTING AND PRODUCING THE FLUIDS OF THE EARTH FORMATIONS ENCOUNTERED IN WELLS
Elwin B. Hall and Arthur L. Armentrout, Los Angeles, Calif., assignors, by direct and mesne assignments, to Security Engineering Co. Inc., a corporation of California
Application March 10, 1939, Serial No. 260,952
5 Claims. (Cl. 166—21)

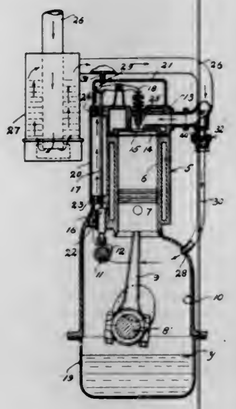


1. The method of operating a well having ferrous metal structures therein and in which it may be advantageous to install a member that subsequently can be readily removed if desired, which method comprises forming said member of an aluminum alloy, positioning said member in the well and removing it when desired by dissolving said member with a strong hydroxide whereby the hydroxide will react and dissolve the aluminum alloy without detrimentally affecting the ferrous metal structures.

2,252,974
CRANKCASE VENTILATING SYSTEM
Wilfred W. Lowther, St. Paul, Minn., assignor to Donaldson Company, Inc., St. Paul, Minn., a corporation of Delaware
Original application May 27, 1938, Serial No. 210,409. Divided and this application February 10, 1940, Serial No. 318,337
5 Claims. (Cl. 123—1)

1. The method of obtaining an intermittent but unidirectional flow of air outwardly from an engine's air intake duct to a chamber wherein the predominant pressure is above the mean average pressure in the intake duct, but is below the pressure in the intake duct during intermittent pressure surges therein produced by air-

ram action resulting from intermittent rapid closing of the engine's intake valve, which consists in automatically establishing communication between the intake duct and said chamber during intermittent pressure surges in the intake



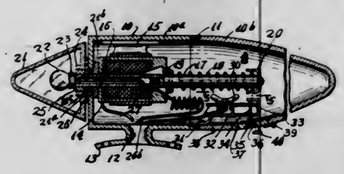
duct when pressure rises above that in said chamber, and automatically cutting off such communication during intervals when the pressure in the engine's intake duct is below that in said intake chamber.

2,252,975

DIRECTIONAL SIGNAL

Kermit Mandelbaum, New York, N. Y.

Application June 3, 1939, Serial No. 277,127
2 Claims. (Cl. 200—59)



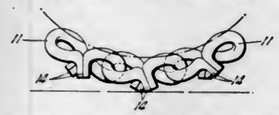
1. In a device of the class described, a hollow casing mounted on a horizontally movable member and having a bottom opening closed by means of a pivotally mounted door, a bracket mounted within said casing, a gear rotatively supported on a vertical axis on said bracket and having a horizontal top face, a substantially U-shaped tube mounted on the top face of said gear and having electrical contacts mounted therein, a mass of electrically conductive material freely movable in said tube to shift relative to said contacts to control a circuit through said contacts as said member moves horizontally, a shaft vertically rotatively mounted in said casing, a pinion mounted on the upper end of said shaft and meshing with said gear to rotate said gear as said shaft is turned to shift the angular position of said tube, a knob mounted on the lower end of said shaft in the vicinity of said door to facilitate the rotation of said shaft in the open position of said door, and frictional means on the inside face of said door bearing against said knob to hold said shaft against turning in the closed position of said door.

2,252,976

LINK FOR ANTISKID CROSS CHAINS

Archibald L. McKinnon, St. Catharines, Ontario, Canada, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York

Application August 31, 1939, Serial No. 292,835
2 Claims. (Cl. 152—243)



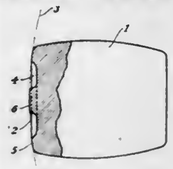
1. An anti-skid chain link composed of two U-shaped sections arranged end-to-end having each of their adjacent extremities disposed at an abrupt angle to the body of the section and extending from one side of the link and welded together to form a composite gripping projection at each side of the link with component parts thereof extending out from the link body in the same direction, whereby both extended extremities of each section will be presented to the road surface.

2,252,977

ROLLER FOR ROLLER BEARINGS

Nils Arvid Palmgren, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden

Application February 24, 1940, Serial No. 320,535
In Sweden April 15, 1939
4 Claims. (Cl. 308—215)



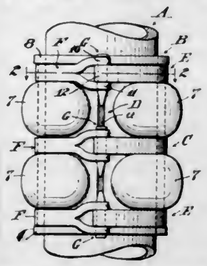
1. A roller bearing roller having at least one finished end surface for engagement with a flange, the end surface also having an annular recess located inwardly of said engaging surface and preferably substantially concentric with the axis of the roller and located under the profile of the engaging surface of the end of the roller.

2,252,978

DRILL STEM PROTECTOR

Victor Parkin, Los Angeles, Calif.

Application June 22, 1938, Serial No. 215,157
4 Claims. (Cl. 308—4)



1. A drill stem protector comprising a longitudinally divided cylindrical resilient shoe formed with a plurality of spaced circumferentially extending outwardly projecting bumpers

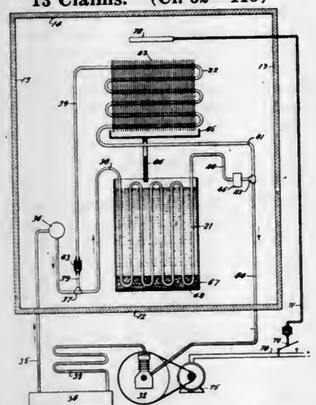
adjacent each end thereof, said shoe having its inner face formed to seat on and conform to the outer periphery of a drill stem, a plurality of independent split clamping bands encircling said shoe adjacent said bumpers, loops on the ends of said bands, and pins insertable in said loops connecting the ends of the bands together; each of said pins being formed with a notch on a margin thereof to receive at least one of said loops in interlocking engagement therewith.

2,252,979

REFRIGERATION APPARATUS

Alexander L. Reiter and Leonard P. Traxel, Chicago, Ill., assignors to Mills Novelty Company, Chicago, Ill., a corporation of Illinois

Application October 21, 1937, Serial No. 170,136
13 Claims. (Cl. 62—115)



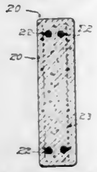
1. In a refrigerating system, an enclosure to be refrigerated, a compressor; a primary refrigerant circuit, including said compressor, a primary evaporator, and a control valve for opening and closing said circuit; a secondary circuit, including said compressor, a secondary evaporator and a resistance valve adapted to close said secondary circuit when said primary circuit is open and to open under predetermined pressure built up by the closing of the primary circuit and to thereupon open said secondary circuit; and a hold-over medium in heat transfer association with said primary evaporator including a liquid adapted to congeal when said primary evaporator is in operation and to cooperate with the secondary evaporator in handling peak loads when said primary evaporator is not operating.

2,252,980

CONCRETE FLOOR AND ROOF JOIST

Albert Haskell Rhett, Summit, N. J.

Application December 8, 1937, Serial No. 178,635
2 Claims. (Cl. 72—61)



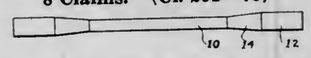
1. A combination of materials adapted to form a strong, lightweight, nailable, equivalently invertible and reversible reinforced concrete joist beam of substantially solid symmetrical cross section of optionally selected depth which exceeds its width, by means of so compounding Portland cement and lightweight aggregates, that the weight of this matrix per cubic foot, shall be less than 120 pounds; its ultimate maximum compressive strength less than 1500 pounds per square inch; its texture penetrable; encasing within and throughout the length of said matrix a primary substantially vertical stress couple composed of metal rods, whose vertical, internal moment of resistance is sufficient, determined as an all metal couple independent of the strength of the concrete matrix, to sustain the ultimate, maximum primary loading in direct or inverted position and with any method of support; and a secondary stress couple composed of metal mesh or the like, extending lengthwise and so placed that its axis is transverse to that of the primary couple, to sustain secondary lateral strains.

2,252,981

RESISTOR AND METHOD OF MAKING SAME

Raymond R. Ridgway, Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application May 24, 1939, Serial No. 275,366
8 Claims. (Cl. 201—76)



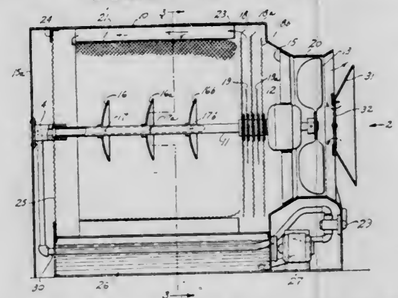
1. An electrical resistor formed as a shaped, self-bonded, coherent, dense, continuous, monolithic, prefused, crystalline structure having alumina crystals as the major phase intergrown with a phase of crystals containing essentially titanium dioxide and a lower oxide and forming an electrically conductive refractory body.

2,252,982

APPARATUS FOR CONDITIONING AIR

Charles H. Roberts, Burbank, Calif., assignor, by direct and mesne assignments, of one-third to Edward D. Feldman, Glendale, Calif., one-third to Alan C. Stoneman, Los Angeles, Calif., and one-third to Harry W. Greenberg, Glendale, Calif.

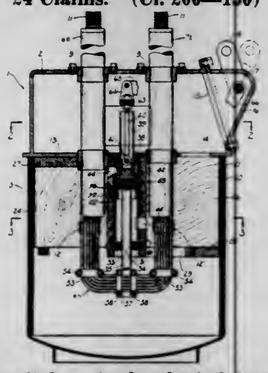
Application February 1, 1939, Serial No. 254,017
4 Claims. (Cl. 183—21)



1. A device for washing and cooling air which includes: a housing; a screen cylinder within said housing and concentric and forming an annular passage therewith adapted to allow recirculation of a portion of said treated air; means for inducing a flow of air through said screen cylinder; a rotating disc upon which jets of water play to produce a water spray at a substantial angle to the axis of said cylinder; a rotating screen adjacent the discharge opening of said housing and through which said air must pass; a peripheral baffle approximately perpendicular to the flow of

said air, located between said screen cylinder and the entrant end of said housing, and extending from said housing to a point substantially in line with said screen cylinder; a tank; means for conducting water from said tank to said rotating disc; and means for controlling the amount of water conducted to said rotating disc.

2,252,983
ELECTRIC CIRCUIT BREAKER
Allen M. Rossman, Wilmette, Ill.
Application February 9, 1938, Serial No. 189,615
24 Claims. (Cl. 200—150)



1. In a switch, a tank adapted to contain an insulating liquid, means dividing the tank into two communicating sections, cooperating contacts arranged to form two arcs in series in said tank one in one section and the other in the other section with the current in the two arcs flowing in opposite directions and each in the electromagnetic field produced by the other to produce forces tending to blow at least one of the arcs outwardly, and means whereby the fluid under pressure created by one of the arcs is directed into the path of the other arc and in an upward direction.

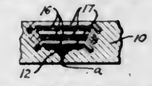
2,252,984
COMPOUNDED HYDROCARBON OIL
John T. Rutherford and Robert J. Miller, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 6, 1939, Serial No. 272,154
24 Claims. (Cl. 252—35)

1. A composition of matter comprising a hydrocarbon oil subject to deterioration at elevated temperature and a polyvalent metal salt of a sulfur containing substituted acid of phosphorus having an organic substituent therein, said salt being present in an amount sufficient substantially to inhibit said deterioration.

2,252,985
COMPOUNDED OIL
John T. Rutherford and Robert J. Miller, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 6, 1939, Serial No. 272,155
24 Claims. (Cl. 252—39)

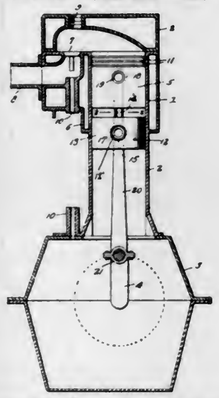
1. A composition of matter comprising a hydrocarbon oil subject to deterioration at elevated temperature, and an alkaline earth metal salt of a sulfur-containing substituted acid of phosphorus having an organic substituent therein, said salt being present in an amount sufficient substantially to inhibit said deterioration.

2,252,986
METHOD OF REPAIRING CRACKED OR FRACTURED METAL WALLS
Lawrence B. Scott, San Antonio, Tex.
Application March 3, 1939, Serial No. 259,594
12 Claims. (Cl. 29—148)



1. The method of repairing fractures in walls without heat which includes, removing a portion of the fractured wall to form an opening having the fracture exposed therein, forming a plurality of recesses and directing them laterally into the side walls of said opening, inserting pliable metal sealing means into the opening and recesses for locking said sealing metal in said opening.

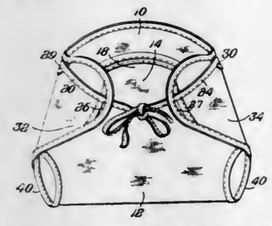
2,252,987
INTERNAL COMBUSTION ENGINE
Max Schniekart, Chesaning, Mich.
Application March 1, 1940, Serial No. 321,771
1 Claim. (Cl. 309—15)



A piston assembly for internal combustion engines comprising a cylindrical piston member, a cylindrical follower of the same diameter as said piston, and means to connect said piston and follower together in spaced relation comprising a diametrical wrist pin in said piston, a stem integral with said follower and articulated with said piston extending from said pin out of said piston and having a bifurcated end disposed centrally in the follower, webs extending from opposite edges of the furcations of said ends to the inner wall of said follower substantially radially of the latter, and a wrist pin extending through said furcations diametrically of the follower and intermediate said webs and for connecting a connecting rod to said end of the stem intermediate said furcations.

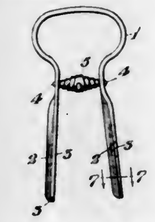
2,252,988
PINLESS DIAPER
Albert M. Segall, Philadelphia, Pa.
Application June 29, 1940, Serial No. 343,067
2 Claims. (Cl. 128—284)

1. In a diaper type of garment, a soft fabric element having a wide upper portion and a wide lower portion, the center portion being narrower than the top and bottom portions, a pair of strings attached to substantially the lower part of the diaper, a slot at each side of the top portion and a complementary slot spaced there-



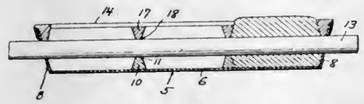
from at the top portion, said fabric being adapted to be substantially overlapped so that the top and the bottom corners overlap, the lower corners being beneath the upper corners, each string passing through one of the inner slots and the edge slot, and said strings adapted to be tied together in order to hold the diaper in position.

2,252,989
TOBACCO PIPE REAMER
Thaddeus A. Sikorski, Camden, N. J.
Application November 26, 1938, Serial No. 242,450
3 Claims. (Cl. 131—13)



1. A tobacco pipe bowl reamer consisting of resilient metallic strip material of generally U-shape, the base of the U providing a handle and the arms of the U providing prongs, cutters formed on longitudinal edges of the prongs facing in the same direction of rotation and a spring acting between the prongs near the handle and resiliently urging them apart, the spring being located outwardly of the cutters between the bowl and handle permitting hand adjustable compression of the spring for hand adjustment of the cutting pressure of the edges along their cutting length.

2,252,990
BAKING DEVICE
Lewis P. Smith, Fulton, N. Y.
Application February 24, 1940, Serial No. 320,630
8 Claims. (Cl. 53—6)

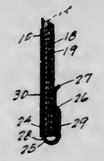


3. A baking device comprising a pan including longitudinally and transversely arranged ribs, an open-work frame including longitudinally and transversely arranged ribs coactive with the pan and forming in the latter a plurality of individual dough-receiving spaces.

2,252,991
FRICTION MATERIAL AND METHOD OF MAKING SAME
Rudolph Edward Steck, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
No Drawing. Application November 13, 1939, Serial No. 304,118
22 Claims. (Cl. 106—36)

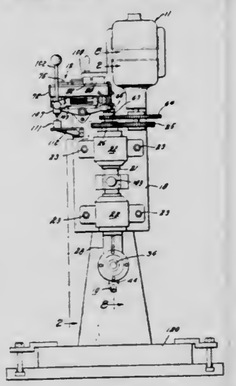
1. A friction element composed of major proportions by weight of fibrous asbestos and oxidation products of iron in binding relationship therewith.

2,252,992
BABY PANTIES
Marvell B. Steiner, Oakland, Calif.
Application September 30, 1940, Serial No. 359,008
5 Claims. (Cl. 128—284)



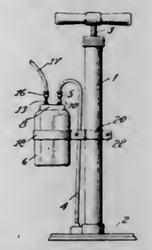
1. Baby panties comprising a unitary structure including outer dress panties and inner absorptive panties with intervening waterproof panties all connected into an inseparable unit, the crotch portion of the absorptive panties being formed with a plurality of layers of absorptive material, and in which a waterproof connection is provided between the outer and inner panties for isolating one relative to the other against moisture transfer.

2,252,993
MATERIAL CUTTING AND TESTING MACHINE
Donald R. Stewart, Detroit, Mich.
Application November 23, 1938, Serial No. 242,038
12 Claims. (Cl. 265—12)



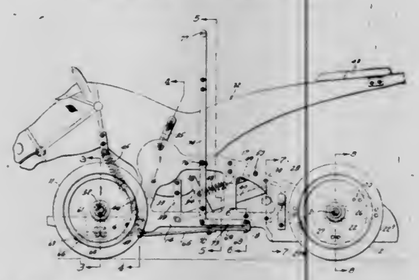
1. In a machine for testing characteristics of material, a cutting tool operable to cut the material, electrically operated means to actuate said tool, means to register the total electrical energy required to actuate said tool in making a predetermined cut in the material, and control means actuated by said electrically operated means and operable to control the circuit of said registering means.

2,252,994
RODENT AND INSECT EXTERMINATOR
Nicholas R. Tench, Peosta, Iowa
Application November 20, 1939, Serial No. 305,362
1 Claim. (Cl. 43—147)



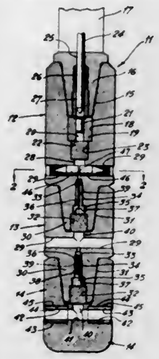
A spraying attachment for an upright cylinder air pump having an outlet hose, said attachment comprising a container, a removable cap closing said container, straight elongated tubular inlet and outlet nipples having threaded upper and lower end portions, the lower end portions extending through the cap for disposal of the nipples in parallelism with each other and with the nipples rising from the cap, washers on said lower end portions and engaged with the inner and outer faces of the top of the cap, nuts threaded on said lower end portions and bearing against the washers to provide a leakproof connection between the cap and nipples, the upper end portion of the inlet nipple having the hose threaded thereon for passage of air from the pump into the container, an outlet hose for the contents of the container and threaded on the upper end of the outlet nipple, and means detachably connecting the container to the cylinder of the pump for disposal in parallelism therewith.

2,252,995
TOY VEHICLE
Arthur R. Thomas, Detroit, Mich.
Application July 25, 1939, Serial No. 287,302
4 Claims. (Cl. 280—1.19)



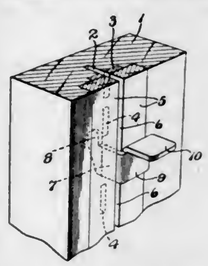
1. A toy vehicle comprising, a frame including a pair of longitudinal frame members mounted on ground engaging wheels, a rockable member disposed between and extending longitudinally of said frame members, a pair of spaced arms on each side of said rockable member, each pair of arms having upper ends pivoted to said rockable member and having lower ends pivoted to said frame members, means acting to rock said rockable member in one direction, a seat on said rockable member on which a person may sit and rock said member, drive means for the rear ground wheels, and means operatively connecting said rockable member and said drive means.

2,252,996
GUN PERFORATOR
James O. Tow, South Pasadena, Calif., assignor to Ira J. McCullough, Los Angeles, Calif.
Application November 14, 1939, Serial No. 304,332
17 Claims. (Cl. 164—0.5)



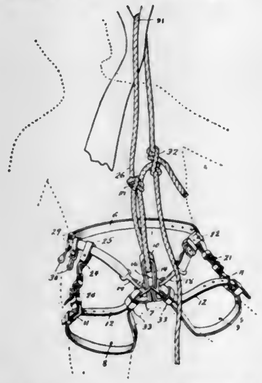
1. In a perforating gun of the character described, the combination of: a gun body having a plurality of gun bores to receive projectiles therein, and means for applying a gas pressure against the inner ends of said projectiles; projectiles in said gun bores; and restraining means at the inner ends of said projectiles operative when the gas pressure against the inner ends of said projectiles has built up to simultaneously release said projectiles so that said gas pressure may then discharge the same at high velocity from said gun bores.

2,252,997
SUPPORT
Charles Frank Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application July 31, 1940, Serial No. 348,732
4 Claims. (Cl. 248—243)



2. In a construction of the class described, a vertical supporting member having a side thereof provided with a vertical elongated relatively wide recess and having a vertical slot cut into said member from the bottom of said recess, said slot being positioned transversely to the thickness of said vertical member and being of greater depth than width, a flat metal plate provided with a consecutive series of spaced apart vertical slots therethrough positioned in said recess lengthwise thereof with its slots in conjunction with the vertical slot in said member, and means seated in said recess over said plate secured to said vertical member for holding the plate in fixed relation to said member, as specified.

2,252,998
SAFETY SWING
Clarence Wachtel, Wauwatosa, Wis.
Application August 15, 1940, Serial No. 352,819
3 Claims. (Cl. 227—49)



1. A climber swing in the form of a harness embodying connected leg-accommodating loops and a waist-encircling belt, together with a shank at the point of connection between said loops and belt; said shank being in the form of a loop and adapted to have a swing rope trained therethrough for connecting the swing with such rope, and means on the waist-encircling belt for detachably connecting the free end of a swing rope thereto to facilitate the carrying of said end of the rope by the climber to the point where the threading of the end of the rope through said shank and the making of the hitch for positively securing the swing to the swing rope is desired.

2,252,999
ARTICLE AND PROCESS FOR THE MANUFACTURE THEREOF
Roger Wallach, Briarcliff Manor, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
No Drawing. Application April 13, 1938, Serial No. 201,851. In Great Britain May 24, 1937
11 Claims. (Cl. 57—140)

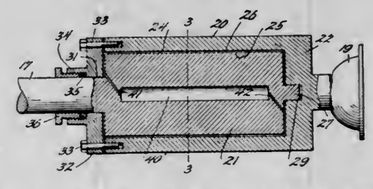
2. A process of making a textile which comprises commingling before completion of spinning non-adhesive textile fibres and a minor proportion of at least one type of potentially adhesive fibres, spinning the commingled fibres into a singles yarn, activating potentially adhesive fibres sufficiently to render them adhesive but not sufficiently to render the yarn formed therefrom non-porous, and subsequently deactivating whereby a textile is obtained having increased tensile strength and resistance to wear and laundering, and untwisting prevented without substantially altering the original appearance and porosity.

7. As an article of manufacture a yarn obtainable by the process described in claim 2.

2,253,000
TEXTILE AND METHOD OF MAKING THE SAME
Carleton S. Francis, Jr., New York, N. Y.
No Drawing. Application August 2, 1937, Serial No. 157,018
12 Claims. (Cl. 28—1)

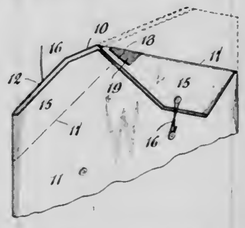
1. The method of making a stabilized textile, which comprises mixing together, prior to the completion of spinning, at least two types of fibres of textile-making length one of which is a synthetic resin fibre having an inherent tackiness upon heating, spinning said mixture of fibres into yarn, subsequently rendering said resin fibres tacky by heat to effect a strong and substantially permanent adhesion between the fibres without rendering the textile non-porous.

2,253,001
POWER TRANSMITTING DEVICE
Robert Dickens Webb and Rollie Tomlinson Grounds, Minden, La.; said Grounds assignor to said Webb
Application January 25, 1939, Serial No. 252,816
6 Claims. (Cl. 192—58)



1. In a motor vehicle, in combination, a frame, driven wheels, axle and differential drive means therefor, an engine, drive means between said engine and differential drive, a power transmitting device interposed in said drive means and comprising two coaxial, telescoped parts having continuous uniform surfaces, one part directly connected to the engine and the other directly connected to the said differential drive, means supporting said parts in such relation to each other and such parts being of such relative size that there is provided a uniform fixed clearance between the whole of said surfaces, and a fluid providing the sole driving connection between said parts.

2,253,002
GARMENT BAG
Louis E. Wesselmann, Buffalo, N. Y.
Application May 10, 1939, Serial No. 272,859
3 Claims. (Cl. 206—7)



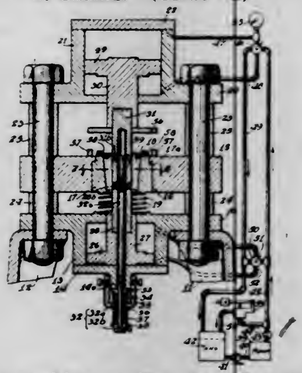
1. A garment bag, comprising a substantially flat, rectangular-shaped body open at its upper end for admission and removal of a garment and provided at its upper end and below the top of the bag with intersecting foldable flaps, the lines of the flap-folds conforming substantially to the shoulder elements of a garment hanger to be inserted in the bag, one of the flaps, when folded, extending beyond the point of intersection of the fold lines and the companion flap, when folded, including the folded extension of the first-named flap, the body being provided in one of its walls at substantially the inter-section of the closure flaps with an opening through which the shank of the garment hanger is adapted to extend.

2,253,003

MEANS FOR COMPRESSING FINELY DIVIDED SUBSTANCES AND PROCESS THEREFOR

Allen D. Whipple, Alexandria, Ind., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois.

Application March 18, 1938, Serial No. 196,653
10 Claims. (Cl. 29—1)



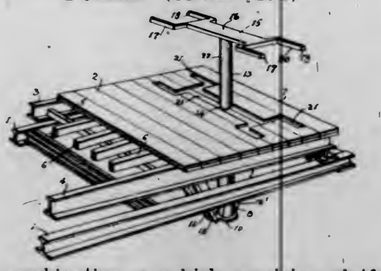
1. In a machine of the class described, the combination of a split and expansible cell containing a mold cavity, opposed plungers coaxial with said mold cavity for entering opposite ends of said cavity with a close fit, means for forcing a first one of said plungers into said cavity towards the other of said plungers to compress and solidify a charge in said cavity, said cell having a tapered outer surface of self-locking angle and increasing in size laterally towards said first plunger, a housing having a tapered bore fitting said cell and freely movable axially, said cell having limited movement axially in said tapered bore to free said cell for expansion, and freely yielding light spring means tending to hold said housing towards said first plunger with a pressure inappreciable relatively to said compressing pressures, whereby said cell and said housing are free to move to equalize the compressing and solidifying of a charge and the pressure forcing the tapered cell into said housing is limited to the holding force of said freely yielding means.

2,253,004

WEIGHING SCALE DUMP

August P. Winter, St. Vital, Manitoba, Canada

Application February 20, 1939, Serial No. 257,348
1 Claim. (Cl. 214—46.5)



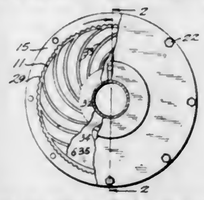
In combination, a vehicle receiving platform having a ground excavation thereunder, a fluid actuated hoist supported beneath the platform and extending downwardly into the excavation and upwardly into the platform and a support for raising the forward end of the vehicle by contact with the wheels or runners thereof, said support being carried by the upper end of the hoist and being received within a recess provided in the platform to lie, with its upper face approximately flush with the upper face of the platform, in the down position, and the effective platform surface being retained in all raised positions of the support.

2,253,005

ROTARY FLUID PRESSURE ENGINE

William F. Wittich, Denver, Colo.

Application June 10, 1940, Serial No. 339,745
1 Claim. (Cl. 253—79)



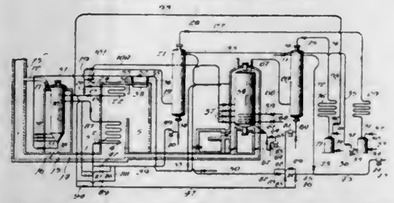
A rotary expansible fluid engine comprising, in combination, a base having two spaced supports, a tubular shaft extending between the supports with its ends nonrotatably mounted in the supports, the shaft having a partition dividing its interior into two sections, the wall of the shaft having openings on opposite sides of the partition, a cylindrical stator nonrotatably attached to the shaft, one side of the stator having a plurality of outwardly radiating curved passages whose inner ends are in communication with one section of the shaft opening, a removable plate secured to the stator forming a closure wall for one edge of the curved passages, a cylindrical rotor housing rotatably mounted on the shaft and enclosing the stator, the inner surface of the cylindrical wall of the housing being spaced from the outer cylindrical wall of the stator and roughened, the rotatable housing having one side removable, and means carried by the housing for cooperating with a belt, the space between the stator and the inside of the rotatable housing being in communication with the interior of the other section of the opening in the shaft which serves as a fluid exhaust.

2,253,006

APPARATUS FOR HYDROCARBON OIL CONVERSION

Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application December 4, 1936, Serial No. 114,182, which is a division of application Serial No. 355,704, April 17, 1929. Divided and this application February 15, 1938, Serial No. 190,634
4 Claims. (Cl. 196—106)



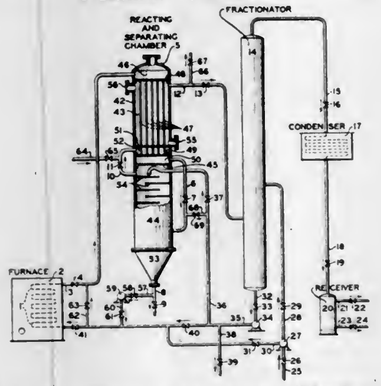
1. A cracking apparatus comprising a heating coil and a separating chamber communicating therewith, a second chamber connected to and adapted to receive residual liquid from the separating chamber, a fractionator, a final condenser and a receiver serially connected to said second chamber, means for heating vapors from the first-named chamber and gases from said receiver, and means for discharging the heated vapors and gases into said second chamber.

2,253,007

PROCESS FOR THE CONVERSION OF HYDROCARBONS

Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application October 27, 1939, Serial No. 301,554
6 Claims. (Cl. 196—52)



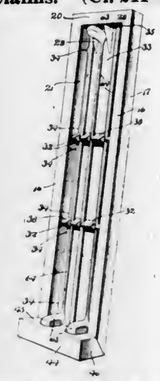
1. In the catalytic conversion of hydrocarbon oil wherein hydrocarbon vapors are contacted with a cracking catalyst in a reaction zone maintained at cracking temperature, the method which comprises passing hydrocarbon oil through a heating zone independent of said reaction zone and heating the same therein to cracking temperature, then passing the heated oil in indirect heat exchange with the vapors and catalyst in the reaction zone, thereafter removing the oil from heat exchange relation with the vapors and catalyst in the reaction zone and separating the same into vaporous hydrocarbons and residue, and introducing said vaporous hydrocarbons into the reaction zone for catalytic conversion therein.

2,253,008

SHIPPING AND DISPLAY BOX

Wilbur G. Anderson, Jr., Grand Rapids, Mich., assignor to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan

Application April 26, 1939, Serial No. 270,058
16 Claims. (Cl. 211—60)



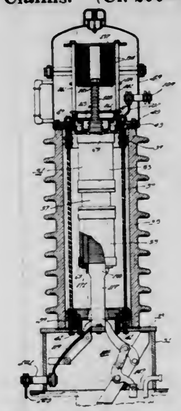
1. In a construction of the class described, a back plate, longitudinal side rails therefor, cross members connecting the side rails at their ends, said side rails being positioned outwardly from the back plate, and a tubular covering envelope over said back, side rails and cross members, said envelope being slit longitudinally at its front side between the side rails, and slit transversely adjacent its ends substantially at the inner edges of the cross members, and having the portions at each side of said longitudinal slit extending inwardly against the inner sides of the side rails and thence inwardly toward each other against the front side of said back.

2,253,009

CIRCUIT INTERRUPTER

Benjamin P. Baker, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 21, 1938, Serial No. 230,946
23 Claims. (Cl. 200—150)



1. In a circuit interrupter, a quantity of arc extinguishing liquid, means of insulating material defining an elongated arc passage immersed in said liquid, said arc passage having walls which present irregular surfaces and being open only at one end, a pair of cooperating contacts at least one of which is permanently positioned outside said arc passage adjacent the open end thereof, a movable member of insulating material having irregular surfaces and supporting the other of said pair of contacts, and means for moving said member of insulating material into said arc passage to establish an arc therein, said member of insulating material displacing a portion of the arc extinguishing liquid in said passage to provide a flow of arc extinguishing liquid longitudinally of the arc toward the open end of said passage to aid in extinguishing the arc.

2,253,010

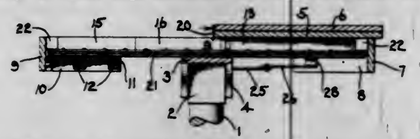
EXTENSION TABLE

Orrin A. Barrett, Manuel Languis, and Thurlow E. McFall, Sparta, Mich., assignors to Michigan Artcraft Company, Sparta, Mich., a corporation of Michigan

Application November 16, 1939, Serial No. 304,769
8 Claims. (Cl. 311—42)

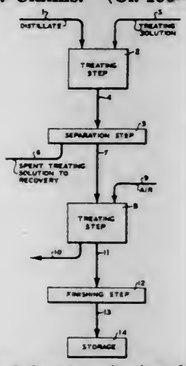
1. In a table, two groups of extensible slide members, upper and lower top sections, the lower top section being permanently secured to one slide member of each group and the upper top section being hingedly connected to an inter-

mediate slide member of each group, a supporting box structure secured to still another slide member of each group and movable independently of said top sections in one direction to a



predetermined initial extended position of the table, said upper top section adapted to be folded over and rest on said box structure in said extended position.

2,253,011
TREATMENT OF HYDROCARBON OILS
Wayne L. Benedict, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 31, 1937, Serial No. 182,919
7 Claims. (Cl. 196—30)



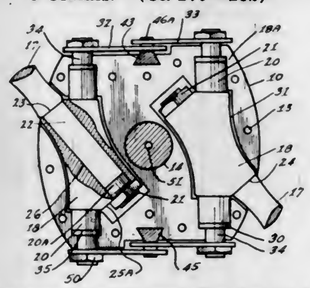
1. A method for sweetening hydrocarbon distillates which comprises treating the distillate with a slurry produced by suspending cuprous chloride in an aqueous ammonium chloride solution, separating the distillate from resultant solid reaction products, and then further treating the distillate with a cupric salt.

2,253,012
SKI-SKATE
Dale A. Benner, Alton, Ill., and Ambrose F. Wimbush, St. Louis, Mo., assignors to Dale A. Benner, Alton, Ill.
Application February 17, 1940, Serial No. 319,402
4 Claims. (Cl. 280—11.10)



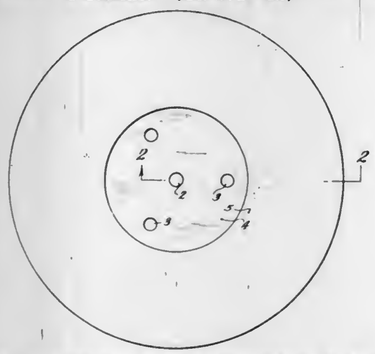
1. A ski-skate comprising an elongated foot-piece having its end portions symmetrically curved upwardly, three longitudinally spaced duplicate brackets attached to the underside and extending approximately the full width of said foot-piece, the two end brackets being attached to said respective upwardly curved end portions and the third bracket being attached near the middle of said foot-piece, axles mounted in said respective brackets and extending approximately the full transverse width of said foot-piece, four duplicate rollers mounted on said axles, one of said rollers being on each of said axles near the respective ends of the foot-piece, and the remaining two of said rollers being on the axle near the middle of the foot-piece, and elements mounted on said respective axles and cooperating with said brackets for holding said rollers in said positions and leaving said rollers freely rotative relative to each other.

2,253,013
AIRPLANE PROPELLER
Walter James Birch, Winnipeg, Manitoba, Canada
Application August 21, 1939, Serial No. 291,172
In Canada July 11, 1939
3 Claims. (Cl. 170—162)



3. In a variable pitch propeller for an airplane having a driving shaft, a housing fixed to the shaft, a pair of members pivotally mounted in said housing and providing parallel axes, one on each side of the shaft, lying in a plane at right angles to the axis of the shaft, said members projecting beyond opposite parallel faces of said housing, a pair of superposed parallel levers adjacent each of said opposite faces, secured at one end to said members, respectively, and overlapping at their other ends, a sleeve in the axis of the shaft secured to said housing on the face thereof which is remote from the airplane nose, a cylinder slidably mounted on said sleeve for axial movement in the axis of said sleeve, said cylinder having two rigid parallel arms slidably mounted in said opposite faces and pivotally connected to the overlapping ends of said levers whereby said levers may be simultaneously actuated to turn said members and the blades fixed thereto by the axial movement of said cylinder on said sleeve, and a coil spring housed within said cylinder and tensioned between said cylinder and said housing to yieldingly resist the axial movement of said cylinder in one direction.

2,253,014
PHONOGRAPH RECORD
James P. Burke, Knoxville, Tenn.
Application May 29, 1940, Serial No. 337,780
4 Claims. (Cl. 274—42)



1. A phonograph record comprising a fibrous

disc, a thin layer of metal on each side of said disc and together with the disc forming an electrical condenser, and a layer of resin on said metal and separated from the fibrous disc thereby, said resin being of a thickness such that it is adapted to have a recording groove cut therein by the stylus of a recording apparatus.

2,253,015
ELECTRICAL PLUG
Joseph Centrella, Bristol, Conn.
Application October 6, 1938, Serial No. 233,542
1 Claim. (Cl. 173—361)



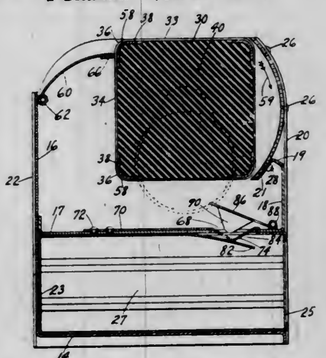
A plug for rotatable connection in a receptacle, the plug having a body of insulation provided with a shoulder, a conical portion on said body projecting from said shoulder, said body having a bore extending therethrough in line with the apex of said portion, a substantially globular contact having a part extending therefrom fitted in and closing the apex end of said bore, a ring contact surrounding said conical portion in spaced relation to the substantially globular contact, contact plates on said shoulder, extension links from the substantially globular contact and ring contact to the contact plates, said conical portion having a duct in which one of the extension links passes in spaced relation to the contact ring, said conical portion having ducts above said substantially globular contact extending from the bore to the contact plates so that conductors may be connected to the contact plates.

2,253,016
ROTARY SHEARING HEAD
Harry L. Collins, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 18, 1938, Serial No. 208,644
1 Claim. (Cl. 30—43)



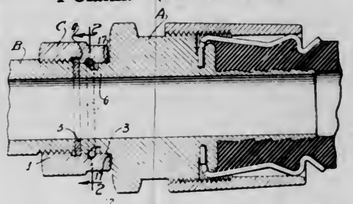
In a shearing device, the combination of a support, a housing supported thereby and rotating cutter means therein, said housing having an internal surface formed as a right circular cylinder and having an outer surface formed substantially as a right circular cylinder, said cylinders being formed on offset parallel axes, the resulting relatively thin portion of said housing being apertured to form a skin-contact shear plate, said rotating cutter means comprising a body element having radially extending slots therein, and cutter blades freely slidable in said slots, each of said cutter blades consisting of a generally rectangular block having a straight line cutting edge, and having said cutting edge extending longitudinally of said housing and engaging with the inner surface thereof when said cutter means is rapidly rotated; an opening in the outer end of said housing, and means in said support for rapidly rotating said cutter means on the axis of the inner surface of said housing.

2,253,017
FLYTRAP
Frederick W. Cotterman, Dayton, Ohio, assignor to Bessie D. Apple, Dayton, Ohio
Application April 18, 1939, Serial No. 268,614
4 Claims. (Cl. 43—111)



1. The combination of an insect trapping means comprising a receptacle having a chamber with an elongated exit opening and means to entrap insects in said chamber, with a sanitary renewable disposal means in the form of a container of cardboard or the like, completely sealed except for a self closing flap in one wall thereof, means to hold said container positioned with said flap alongside said exit opening, means extending from said receptacle thru said exit opening and pressing on one edge of said flap to sold it open only so long as said container is held so positioned, a self closing door over the exit opening, and propping means extending from said door thru said exit opening and resting against said container beyond said flap to hold said door open only so long as said container is so positioned.

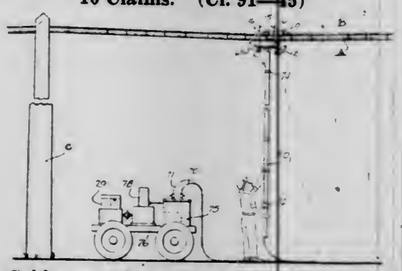
2,253,018
SWIVEL JOINT FOR CONDUITS
Irving Cowles, Detroit, Mich., assignor to said Cowles and Rudolph W. Lotz, Chicago, Ill., as successor co-trustees
Application July 17, 1939, Serial No. 284,896
1 Claim. (Cl. 285—97.3)



A coupling comprising a female member having a cylindrical bore, a cylindrical male member snugly engaged telescopically with said female member, a resilient and a normally expanded spring ring of round wire, said female member equipped between its ends with an annular groove of a depth substantially equal to one-half the diameter of the wire of which said split ring is composed and said male member equipped between its ends with an annular recess of a depth no less than substantially equal to the diameter of said wire, said groove having a substantially cylindrical bottom wall, a flat end wall perpendicular to its axis, and an annular wall disposed at an angle of substantially 45° to and opposing

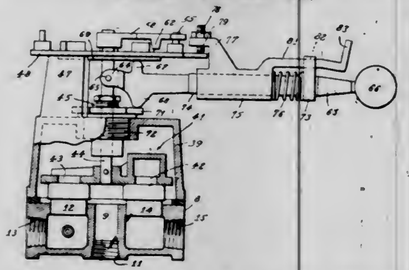
said flat wall with said split ring normally substantially in contact with said three walls, said recess of said male member having an end wall substantially parallel with and opposed to said angular wall of the said groove and said recess being of such length as to accommodate the split ring when the latter is contracted for disengagement from said groove, the inclined wall of said recess operating to maintain said ring engaged with said inclined and bottom wall of said groove when said male and female members are moved relatively to each other in one direction, said female member provided with diametrically opposed radial openings extending from said flat wall thereof to a point beyond the opposite side of the split ring for admission of means for contacting and disengaging the split-ring from said groove.

2,253,019
OVERHEAD CABLE SPRAYING APPARATUS
Atlen J. Crepeau, Milwaukee, Wis.
Application August 25, 1938, Serial No. 226,619
10 Claims. (Cl. 91—45)



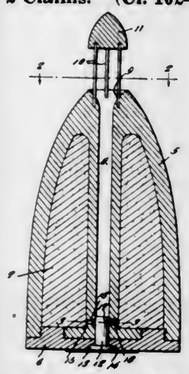
1. Cable spraying apparatus comprising the combination of an open sided frame having trolley wheels offset to overhang space exposed at the open side and provided with nozzles for directing convergent jets to overhead cables and the like, a lifting and propelling rod connected to the carrier, and supply tubes for air and coating material extending along the rod and connected with the nozzles, said frame, supply tubes and nozzles constituting a structure substantially balanced upon the lifting rod and adapted to be manually adjusted in a lateral and vertical direction by means of the lifting rod to bring its trolley wheels into and out of engagement with the overhead cable or wire.

2,253,020
VALVE STRUCTURE
Lee G. Daniels, Rockford, Ill.
Application January 29, 1938, Serial No. 187,668
7 Claims. (Cl. 251—84)



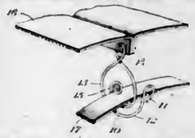
1. The combination in a lift-turn valve of a ported body member, a ported stem plate, a stem projecting from said plate for lifting, turning and seating the same to shift the ports thereof to different communicating positions with respect to said body member, a lever having a handle at one end and pivotally carried at its opposite end on said stem on an axis transverse thereto, fulcrum projections on the upper and lower sides of said lever between the pivot point and the handle positioned to abut against stationary parts of the valve to move the stem longitudinally, the upper of said projections abutting a stationary part to move said stem in seating movement and the lower projection abutting another stationary part to move said stem in unseating movement upon rotation of the lever on said transverse axis and adapted for sliding movement of the lower projection on said stationary parts for rotation of said stem, and means to latch the lever in the seated position thereof whereby said upper projection acts against said stationary parts to prevent unseating movement of the stem in response to variations of pressure within the valve.

2,253,021
PROJECTILE
William H. Dunn, Lexington, Ky.
Application July 15, 1939, Serial No. 284,748
2 Claims. (Cl. 102—26)



1. A projectile comprising a hollow shell, an explosive therein, means providing an air passage longitudinally of the shell and open at its front and rear ends, a shield at the front end of the passage adapted to prevent direct entrance of air into the passage during flight of the shell under normal air conditions and adapted to admit a force of air into the passage from a direction laterally to the direction of flight of the projectile, a detonator cap and a spring-actuated firing pin therefor in the shell and a plug removably positioned in the air passage normally maintaining the pin from contacting the cap, said plug being responsive to air pressure entering the passage to release the pin.

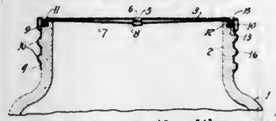
2,253,022
SHOULDER STRAP HOLDER
Vernie Evans, El Reno, Okla.
Application July 15, 1940, Serial No. 345,626
2 Claims. (Cl. 24—73)



1. A device of the character described compris-

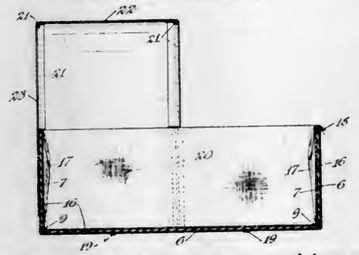
ing a single length of wire fashioned into a substantially U-shaped member having leg portions, one of said legs terminating in an outwardly directed hook, the other leg forming a loop intermediate its length disposed above said hook and following the inner contour of the member and terminating in tightly wound convolutions, said convolutions being disposed eccentrically within the member.

2,253,023
RECEPTACLE AND CLOSURE THEREFOR
Edward H. Fabrice, Chicago, Ill.
Application December 14, 1938, Serial No. 245,555
1 Claim. (Cl. 215—43)



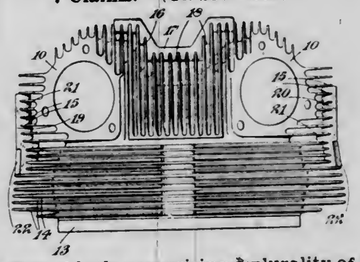
A closure for jars and the like comprising an annularly flanged closure cap wherein the flange is equipped with means engageable with means on the jar to secure the cap in place on the jar, a resilient dished sheet-metal disk disposed within the cap, the crown of the latter and said disk being equipped with centrally disposed substantially telescopically interengaged male and female formations frictionally maintaining said disk detachably connected with said cap, the marginal portion of said disk adapted to cooperate with the rim of the mouth of the jar as said cap is mounted upon said jar and flexed as said cap is disposed at the lower limit of its movement upon the jar to cause said marginal portion of said disk to be pressed upon said rim, the frictional connection between said cap and said disk being adapted to be broken by further flexing of said disk responsively to vacuum within said jar, thereby to permit the cap to be removed without disturbing said disk.

2,253,024
FOLDING BASSINET
Edith M. Farrand, Minneapolis, Minn.
Application September 17, 1938, Serial No. 230,442
2 Claims. (Cl. 5—98)



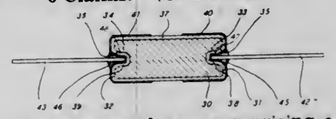
1. A bassinet and the like comprising a substantially rectangular main sheet of flexible fabric, pairs of end and side panels of rectangular shape and of substantially smaller size than said main sheet, each of said panels having an outer edge substantially coincident with and secured to an edge of said main sheet, said panels having side edges secured to said sheet, the inner edges of said panels being unsecured to the sheet, stiffening elements of panel formation removably inserted between said panels and said sheet beneath the unsecured edges of the panels, said panels being distributed on the sheet to bring the inner corners of the end panels into closely positioned relation to the adjacent inner corners of said side panels, the inner edges of said panels defining a central rectangle on said main sheet, a central panel of a size subtsantially coincident with said central rectangle, three sides of said central panel being secured to said sheet and one side being unsecured to provide a pocket between said central sheet portion and said central panel, a stiffening element of panel formation removably inserted between said central panel and sheet, said side and end panels being swingable upwardly from their outer edges at the sides and ends of said central panel to provide vertically positioned end and side walls, and means for detachably connecting the adjacent upwardly swung corners of said panels in their vertical positions.

2,253,025
VIBRATION DAMPING MEANS
Alfred Hubert Roy Fedden and Frank Nixon, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application May 11, 1939, Serial No. 273,112
In Great Britain July 7, 1938
7 Claims. (Cl. 257—261)



1. A finned body comprising a plurality of cooling fins and a pad of resilient material held in contact with said fins, so as to damp their vibration, said material being supported by means independent of said finned body.

2,253,026
ELECTRICAL CONDENSER
Frank W. Godsey, Jr., North Adams, Mass., assignor to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts
Application September 26, 1940, Serial No. 358,548
6 Claims. (Cl. 175—41)

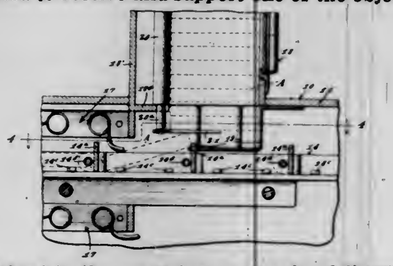


1. An electrical condenser comprising a metal core having an end face, a bore in said end face, a dielectric layer forming an integral coating on the surface of said core and extending over said end face and forming a lining within said bore, a condenser electrode comprising a metal coating integrally disposed on the surface of said dielectric layer and circumjacent to said core, and terminal means for said electrode comprising a member disposed in said lined bore and secured to the surface of said electrode.

2,253,027
TOASTING MACHINE
Otis Hall, Detroit, Mich.
Application February 19, 1940, Serial No. 319,750
4 Claims. (Cl. 214—8.5)

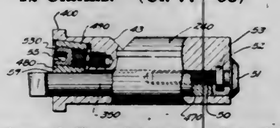
1. The combination with an endless conveyor

for conveying objects, comprising a magazine for receiving approximately flat superimposed objects and having its lower end spaced slightly above the endless conveyor, downwardly extending bails below the lower end of the magazine and adapted to receive and support one of the objects



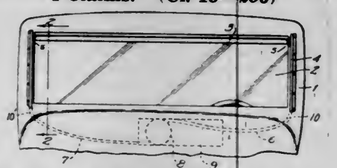
contained in the magazine, means for delivering the lowermost object in the magazine to the bails, and means carried by the endless conveyor and extending between the bails for removing the object thereon and allowing it to drop on the conveyor.

2,253,028
ROTARY CUTTING TOOL
Edward Hassig, Milwaukee, Wis., assignor to Wetmore Reamer Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 23, 1938, Serial No. 203,773
12 Claims. (Cl. 77—58)



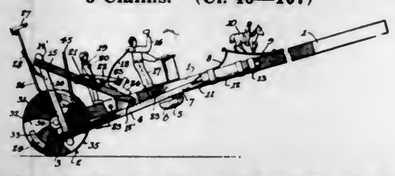
1. A device of the character described, comprising an elongated body provided with cylindrical side portions and having a longitudinal bore, a tool element reciprocably adjustable in said bore and projecting at one end therefrom, said body having thrust transmitting means projecting laterally and adapted to deliver both radial and axial components of reaction thrust of said tool element to a carrier in which said body is mounted, the opposite end of said body being provided with a tool adjusting part, and a screw provided with means fixing its position in said body against displacement longitudinally thereof and having threads in operative connection with said element.

2,253,029
WINDSHIELD WIPER
Frederick D. Hart, Middlesboro, Ky.
Application June 14, 1939, Serial No. 279,024
4 Claims. (Cl. 15—253)



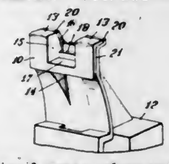
1. A windshield wiper device of the class described comprising a pair of lateral guides secured adjacent the windshield, a vertically operable wiper slidably mounted on said guides, carrier means at each end by which said wiper is supported on said guides and automatic means to raise and lower said carrier means, said carrier means each comprising two relatively movable parts one in lag relation to the other and on one of which the wiper is pivotally mounted for oscillation into and out of contact with the windshield and the other having vertically spaced pins to engage the ends of the wiper above and below for tilting it away from the windshield on upward movement and oppositely on downward movement.

2,253,030
PUSH TOY
Ben G. Jeffries, Atlanta, Ga.
Application February 16, 1940, Serial No. 319,347
3 Claims. (Cl. 46—107)



1. In a push toy, the combination of a push rod, an axle on the end of the push rod, a push wheel rollably mounted on the axle, a pin mounted on the push wheel in offset position to the axle of the wheel, an upstanding rod pivotally mounted on said pin, a link pivotally connected to the upper end of said upstanding rod at one end of the link and pivotally connected to the push rod at the other end of the link to cause a reciprocating movement of both the rod and link, a manikin figure having a base engaging over the push rod, means detachably securing the base of the manikin figure to the push rod, and a link directly connecting a moving element of the manikin figure with the aforesaid movable elements.

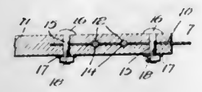
2,253,031
BRAKE HEAD WEAR ELEMENT
Malcolm S. Johnson, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1940, Serial No. 320,920
5 Claims. (Cl. 188—236)



1. A brake head wear element composed of a single piece of wear resisting metal formed to provide a pair of plane surfaced angular portions at opposite ends adapted to extend across the upper and the forward faces of the shoe engaging toes of a brake head, while the intermediate portion of the element is offset rearwardly to engage in the shoe locking key receiving groove in the brake head.

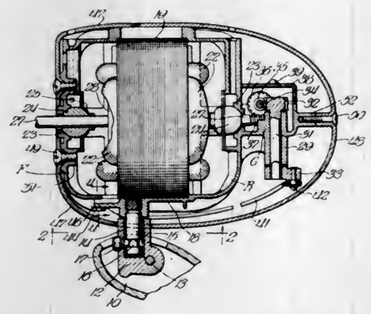
2,253,032
PITMAN CONNECTION
Cleo D. Keller, Farrington, Wyo.
Application July 6, 1938, Serial No. 217,744
3 Claims. (Cl. 287—103)

1. In a device of the character described, a pitman member fashioned with a section formed with spaced slots extending therethrough, a pitman stick fashioned with a kerf having oppositely disposed spaced walls provided with grooves registering with said slots, and rollers mounted in



said slots and extending into said grooves whereby to receive torque transmitted from said member to said stick when said stick is secured to said member.

2,253,033
FAN MOTOR FRAME CONSTRUCTION
William B. Kochner, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application July 15, 1940, Serial No. 345,579
6 Claims. (Cl. 230—256)

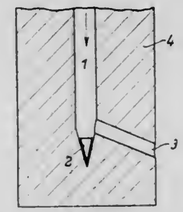


1. A fan motor frame construction comprising front and rear castings, each having a bearing, field laminae supported by said front and rear castings, an armature having a shaft journaled in said bearings, one of said castings having a forwardly extending arm, a pivot pin cast integral relative to said arm and thereby relative to said one of said castings, the other of said castings having a socket to receive said arm, a gear box cast integral with said one of said castings, adjacent the bearing thereof, a cover secured to said gear box, step down gearing in said gear box, a slow speed shaft journaled in said gear box, said step down gearing operatively connecting said slow speed shaft to said armature, a support for said motor having a socket oscillatably receiving said pivot pin, an arm extending laterally from said support, said slow speed shaft having a crank pin, and a link connection between said crank pin and said last arm.

2,253,034
MANUFACTURE OF KETONES AND ALDEHYDES
Vladimir N. Ipatieff and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 15, 1938, Serial No. 185,155
8 Claims. (Cl. 260—597)

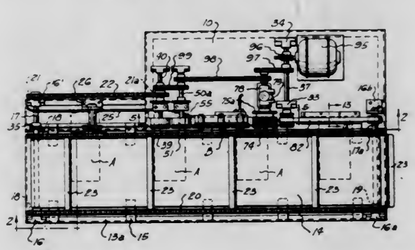
1. A process for producing acetaldehyde which comprises reacting acetylene with steam in the presence of a calcined mixture of a phosphoric acid and a siliceous material capable of forming a silico-phosphoric acid complex.

2,253,035
APPARATUS FOR THE PRODUCTION OF A RAY OF SLOW NEUTRONS
Hartmut Israel Kallmann, formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
Application September 15, 1939, Serial No. 295,156
In Germany September 16, 1938
1 Claim. (Cl. 250—84)



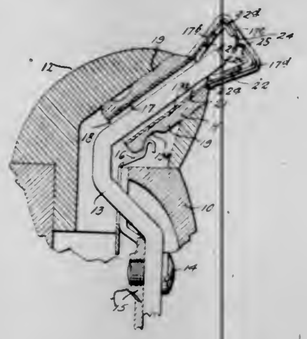
Apparatus for the production of a beam of slow neutrons by the action of rapid neutrons upon a hydrogen-containing substance, comprising a body of hydrogen-containing substance having a hollow chamber therein, a source of rapid neutrons positioned in said chamber, and a unidirectional rectilinear channel extending through said body of hydrogen-containing substance from the exterior thereof, the inner end of said channel being adjacent to but spaced from said source of rapid neutrons and said channel being directed toward a portion of said chamber not occupied by said source of rapid neutrons.

2,253,036
MEANS FOR SEALING PACKAGES
Louie C. Kimple and Floyd Gaines, Dallas, Tex., assignors to Dixie Wax Paper Company, Inc., Dallas, Tex., a corporation of Texas
Application June 2, 1939, Serial No. 276,956
15 Claims. (Cl. 93—6)



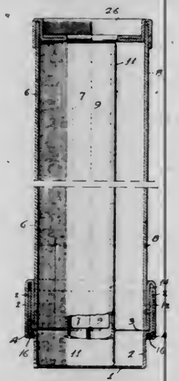
1. An apparatus for closing and sealing packages including, a support, means for conveying a package to be closed and sealed longitudinally of said support, a folding assembly comprising a pair of rollers one of which has a peripheral flange, means for passing the end portion of the package between said rollers to cause folding of said end portion at substantially a right angle to the remainder of the package, a folding assembly block for receiving the bent portion of the package and having means for folding said portion back over the end portion of the package, and means for sealing said folded portion to the underlying portion of the package to seal the package.

2,253,037
DRY SHAVER CUTTER HEAD
Raymond Knapp, Long Island City, N. Y., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application November 6, 1937, Serial No. 173,104
16 Claims. (Cl. 30—43)



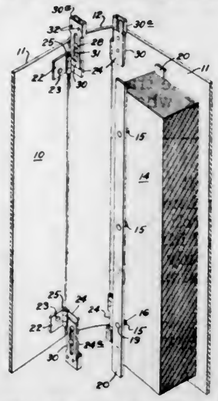
1. In a dry shaver cutter head, an outer cutter and an inner cutter, said outer cutter comprising a plate of uniform thickness bent substantially U-shape, means for rigidly connecting the arms thereof in spaced relation to each other, said plate, across the bends thereof, having notches formed therein whereby to provide cutter teeth to coact with said inner cutter, and an imperforate rib formed along the center of the connecting portion of said U-shaped plate of metal having the same thickness as the plate, said teeth terminating short of said rib.

2,253,038
KNOCKDOWN CABINET
Harry Lee, Burlingame, Calif.
Application December 23, 1940, Serial No. 371,264
9 Claims. (Cl. 189—2)



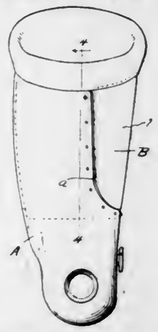
5. A knock-down cabinet comprising a pan of sheet material having sides offset to form internal and external shoulders around said sides; vertically disposed panels having their lower portions twice folded with outer plaits arranged in spaced relation to adjacent plaits to engage the upper portions of said sides of said pan to hold the folds between the inner plaits and panels seated upon said shoulders.

2,253,039
LOOSE-LEAF BINDER
George Lewis, Los Angeles, Calif., assignor to The T. J. Cardoza Co., Ltd., San Francisco, Calif., a corporation of Nevada
Application December 22, 1939, Serial No. 310,593
6 Claims. (Cl. 129—8)



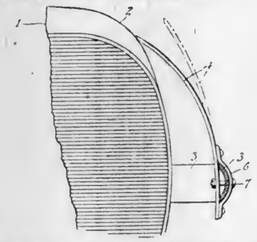
1. A loose-leaf binder having a pair of opposed covers, sheet holding means for holding overlying sheets as a unit, hinge means having one butt adapted for connection to the binder cover and another butt free to pivot relative to said first mentioned butt, means for releasably securing said free hinge butt to said sheet holding means, comprising a slidably mounted member having a box-like head and a supporting stem, said stem and the free butt being relatively slidably connected and adapted upon relative sliding thereof for moving the box-like head into selective enclosing engagement with, and disengagement from, the free butt of the hinge and the end portion of the sheet holding means.

2,253,040
SOCKET FOR ARTIFICIAL LIMBS
Philip A. Martino, Boston, Mass.
Application January 5, 1940, Serial No. 312,606
2 Claims. (Cl. 3—9)



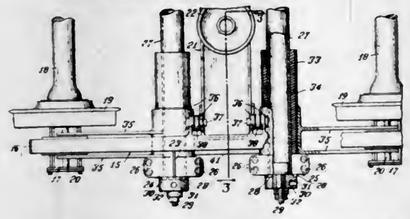
1. In an artificial limb, a socket member for receiving the stump of a leg which has been amputated above the knee comprising an outer shell having a large opening in its rear part which passes through the upper end of the shell and to a point below the transverse center of the shell, said opening being of a length and width to permit expansion or contraction of the shell as the stump expands and contracts and also to prevent contact of the shell with an object on which a user of the limb sits, the lower end of the shell being formed to provide parts of a knee joint, a leather sleeve fitting in the shell and entirely covering the interior walls thereof to a point below the opening in the shell with a part of the sleeve passing across the opening and a cushion forming part at the upper end of the sleeve and covering said upper end of the sleeve and the upper end of the shell and acting to snugly fit around the stump of the leg said shell being formed of material which has slight resiliency in comparison with the material of the sleeve.

2,253,041
RADIATOR GRILLE GUARD
Robert V. Morse, Ithaca, N. Y.
Application March 3, 1938, Serial No. 193,688
3 Claims. (Cl. 293—55)



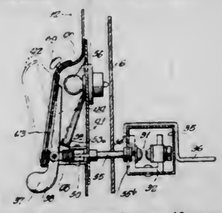
1. A grille guard for automobiles, comprising a flexible blade adapted to be secured to the middle of the front cross-bumper of an automobile and substantially at right angles thereto, said blade being curved to harmonize with the contour of the grille hood and extending upward to a height corresponding substantially to the top of the grille hood, said blade standing free of the grille hood under normal conditions, but being flexible enough under impact so that it may strike the grille hood and be partially supported thereby, while the primary impact is taken through the rigid connection to the cross-bumper, whereby the grille hood is guarded against high impacts.

2,253,042
TRUCK SUSPENSION MEANS
Henry E. Muchnic, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas
Application March 30, 1940, Serial No. 326,826
6 Claims. (Cl. 105—182)



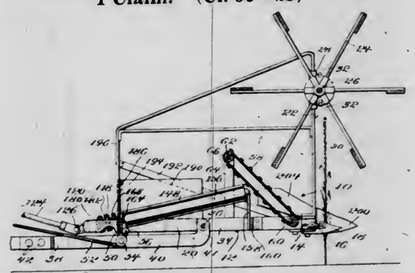
1. Truck suspension means comprising, in combination with the side frames and the journal-boxes of a car truck, rods disposed transversely of the truck and rotatably supported from the side frames; vertically swinging lever members mounted on the ends of said rods with their other ends bearing on the journal-boxes; shock absorbing rubber elements immovably secured to said rods and to the hubs of said lever members, whereby the latter are maintained in pressure exerting relation with the journal-boxes; and adjustable means operatively intermediate of the ends of said rods and the truck side frames whereby the rods may be rotated, the torsion of the rubber elements regulated and the rotated relation of the rods to the truck side frames maintained.

2,253,043
COOKING TEMPERATURE GUIDE
Irving Nachumsohn, Chicago, Ill.
Application September 2, 1937, Serial No. 162,208
4 Claims. (Cl. 236—15)



1. Cooking apparatus having a thermostat with a variable temperature-control member, a display receptacle on said apparatus, a set of charts grouped in the receptacle and with a chosen chart placed in view, each chart having a variety of food listings for which prescribed cooking temperatures are required when cooked in said apparatus, and means associated with any chart on display and connected to said variable temperature-control member for the setting of such temperatures in the apparatus as suit foods in any listing chosen from such chart, said means comprising a manual temperature control for the same movable relatively to the displayed chart to procure different cooking temperatures in the apparatus, and an index mark for each listing positioned at a point in the path of said control corresponding to a predetermined temperature setting for the particular listing.

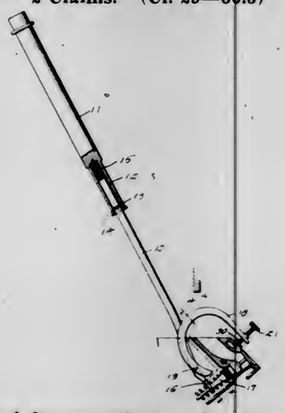
2,253,044
WINDROW HARVESTER
Julius Ommodt, Butterfield, Minn.
Application December 3, 1938, Serial No. 243,845
1 Claim. (Cl. 56—23)



A windrow harvester comprising a mount adapted for connection with a tractor located in the rear thereof, a frame pivotally mounted on said mount and having a grain cutting means, a reel mounted on said frame, an elevator mounted on said frame in cut grain receiving relation with respect to said grain cutting means and said reel, endless belt conveyors located partly underneath and in the rear of said elevator, a tractor driven shaft having a universal joint interposed therein, said endless belt con-

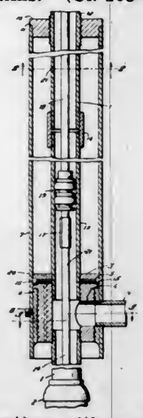
veyors being spaced to provide a windrow opening in the rear of said elevator intermediate its ends and said belt conveyors moving in opposite directions to carry cut grain to said windrow opening, each endless belt conveyor having a drive roller, a first sprocket keyed to one of said drive rollers, a second sprocket keyed to said tractor driven shaft, a drive chain connecting said first and second sprockets, the other of said drive rollers being provided with a first gear, a second gear keyed to said tractor driven shaft and meshing with said first gear to rotate the latter reversely of said first sprocket, a first rotative shaft element, a third sprocket keyed to said rotative shaft element, a fourth sprocket keyed to said tractor driven shaft, a chain connecting said third and fourth sprockets, said elevator having a drive roller, a first bevel gear keyed to said rotative shaft element, a second rotative shaft element having a second bevel gear keyed thereto and meshing with said first bevel gear, a fifth sprocket on said second rotative shaft element, a sixth sprocket mounted on said frame, a chain connecting said fifth and sixth sprockets, a pinion connected with said last-mentioned drive roller, a second pinion fixedly related to said sixth sprocket and meshing with said first-mentioned pinion, a crank member fixed to said first rotative shaft element, a crankshaft rotatably journaled on said frame and operatively connected with said grain cutting mechanism, a work arm operatively connecting said crank member and said crankshaft, said second rotative shaft element being provided with a seventh sprocket, an eighth sprocket connected with said reel, a chain operatively connecting said seventh and eighth sprockets, means for pivoting said frame, and a windbreak means extending along the sides and rear of said frame and open at the rear of said windrow opening.

2,253,045
VALVE REMOVING TOOL
George B. Ostrander and William T. Anderson, Lemmon, S. Dak.
Application July 29, 1938, Serial No. 222,023
2 Claims. (Cl. 29—86.3)



1. A tool for removing mushroom type valves and springs in one assembly comprising, a handle bar having a forked working end adapted to straddle the guide of a valve assembly, an arcuate fulcrum bar pivotally connected adjacent one end to the handle bar near the forked end thereof, said pivotal connection including a longitudinal slot in the fulcrum bar, at the pivot of the fulcrum bar, loosely receiving the handle bar to provide relative adjustment of the fulcrum with respect to the handle bar and a pivot extending through the sides of the slot and the handle bar, a set screw threadedly engaged through that end of the fulcrum bar remote from the pivoted end thereof, said set screw and the extremity of the pivoted end of the fulcrum bar being selectively engageable with a stationary part of an internal combustion engine adjacent to the valve assembly to be removed, and means carried by the fulcrum bar for locking the fulcrum bar to the handle bar substantially midway between the ends of the fulcrum bar to prevent rotation of the fulcrum bar around the aforesaid pivot.

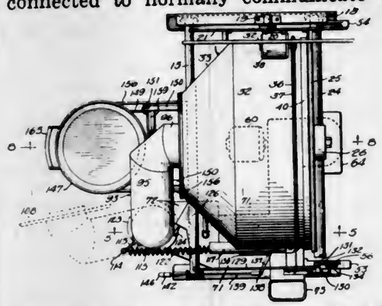
2,253,046
DISCHARGE APPARATUS FOR PUMPS
Louis H. Pierce, Mankato, Minn.
Application November 9, 1940, Serial No. 365,089
2 Claims. (Cl. 103—179)



1. The combination with a pump cylinder to be sunk in a well, a tubing section extending upwardly from said cylinder, and a sucker rod extending from said cylinder upwardly from said tubing section, of a well casing surrounding said rod and tubing section and extending above the same, a lateral discharge line tapped into said casing immediately above said tubing section and adapted to be buried in the ground, a sleeve member secured in said casing and to said tubing section for detachment therefrom and removal upwardly through said casing and provided with a lateral discharge port therein communicating with said discharge line, a tubing line arising from said sleeve member and removable therewith, and a sucker rod section in said tubing line coupled to the first mentioned sucker rod for detachment therefrom and provided with a downwardly acting piston operating in said tubing line above said coupling sleeve.

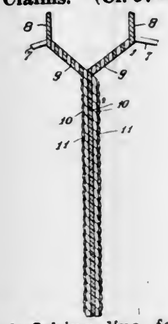
2,253,047
ARTICLE CONDITIONING SHAKEOUT TUMBLER
Edward D. Purkett, Joplin, Mo.
Application October 1, 1938, Serial No. 232,873
16 Claims. (Cl. 34—131)

1. An article conditioning apparatus for laundries, comprising a tumbler adapted to contain articles having a substantial water content, means for supporting said tumbler for axial rotation, said tumbler having an opening at one end, a circulatory system for supplying air to the said end of said tumbler and for withdrawing air from said tumbler at a point spaced from said end, said system comprising a conduit section connected to normally communicate with



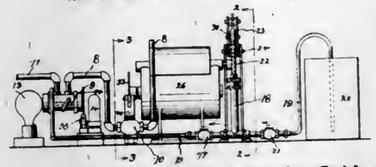
said opening and mounted to move therefrom, and means for supporting said tumbler for movement to an article dumping position when said conduit section is moved from said opening.

2,253,048
FISHING LINE
Leland A. Quindry, Chicago, Ill.
Application August 5, 1939, Serial No. 288,556
4 Claims. (Cl. 57—139)



1. A twisted fishing line formed of spirally striped strands whereby the striped portions of the strands align themselves to present a finished line having longitudinally extending stripes.

2,253,049
METHOD AND APPARATUS FOR AUTOMATICALLY TESTING FLUIDS
Arthur L. Riche, St. Paul, Minn.
Application June 10, 1929, Serial No. 369,592
Renewed July 13, 1936
22 Claims. (Cl. 23—230)

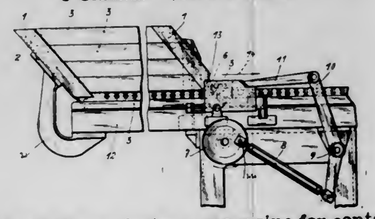


1. Automatic testing apparatus for fluids comprising means for intermittently segregating a measured sample of said fluid, means for injecting a test reagent into said sample, in a manner to produce thorough mixing and testing means responsive to a change in the light absorption characteristic of said sample for indicating said change.

14. The combination with a source of fluid to be tested and a source of reagent for testing the same, of an observation cell, means for passing said fluid through said cell, said means being arranged to retain a measured sample in said cell when the supply of fluid is cut off, power driven means for periodically cutting off the supply of fluid to said cell, power driven means for supplying a measured quantity of said reagent to the sample in said cell, indicating means responsive to the light absorption characteristic of the sample in said cell to indicate the result of the test, and automatically operating controls adapted to successively operate said fluid cut-off, reagent supply and indicating means, said controls being arranged to operate said indicating means upon the lapse of a predetermined time after the operation of said reagent supply to allow time for the reaction between the reagent and fluid to be tested.

17. The method for quantitatively testing a flowing liquid for a colorless component thereof comprising periodically segregating a measured sample, adding thereto a test reagent effecting a change in the light absorption characteristic thereof proportional to said component, holding said sample quiescent to allow the entrained gases and heavier solids to separate and thereafter measuring the light absorption characteristics of the treated sample to quantitatively measure the concentration of said component.

2,253,050
APPARATUS FOR FEEDING COMPRESSION MOLDS FOR CIGAR FILLERS
Constantin Friedrich Röber, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application September 29, 1938, Serial No. 232,280
In Germany October 20, 1937
5 Claims. (Cl. 214—8.5)

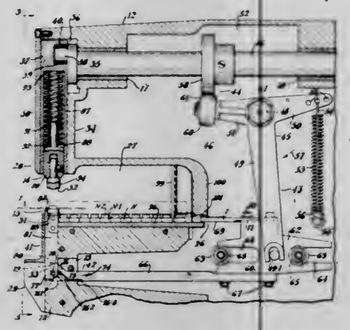


3. In a delivery device, a magazine for containing in stacked form the articles to be delivered and having at a low point a delivery opening, and compressible resilient means in the magazine opposite the delivery opening positioned therein to be engaged by the descending articles in the stack and constructed and arranged to be initially compressed and put in a potential condition by the articles before reaching the delivery opening and adapted to cause the articles to be moved through the delivery opening when the articles arrive opposite such opening.

2,253,051
APPARATUS FOR FEEDING AND CLINCHING CLINCH-ON NUTS AND THE LIKE
Frederick N. Ross, Grosse Pointe Park, Mich., assignor to Ash Products Corporation, Detroit, Mich., a corporation of Michigan
Application July 21, 1937, Serial No. 154,794
8 Claims. (Cl. 218—2)

1. In a machine of the character described, an anvil, a plunger, said anvil and said plunger being reciprocable toward and away from each other and having opposed work engaging sur-

faces, a rotatable shaft, crank means on said shaft and operable to actuate said plunger, a reciprocable member, means carried by said reciprocable member to actuate said anvil, means



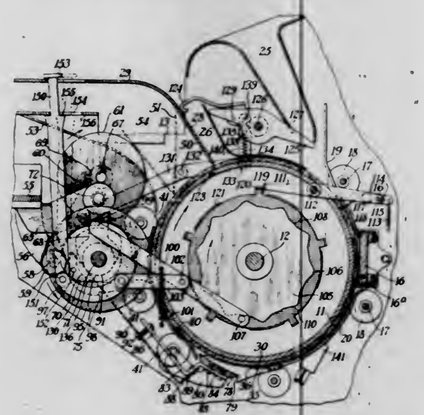
carried by said reciprocable member to feed clinch-on nuts or the like onto said anvil, cam means on said shaft and operable to reciprocate said member, and means operatively connecting said cam means and said reciprocable member.

2,253,052

REVERSING ARRANGEMENT FOR DOCUMENT REPRODUCING MACHINE

Alvin E. Schubert and Harvey P. Hintz, Rochester, and Wade S. Nivison, New York, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 19, 1940, Serial No. 346,392
14 Claims. (Cl. 271—3)



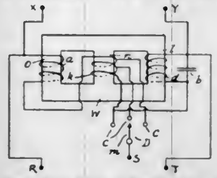
1. In a document handling device, the combination with a rotating drum for advancing a document through the photographic field of a camera so as to photograph one side of said document, of means for reversing said document so that the other side thereof may be advanced by said drum through said field and photographed by said camera, means movable radially of said drum for guiding said document to said reversing means, means for controlling said movable means from said drum and in timed relation to the rotation thereof, and a yieldable connection between said movable means and said control means.

2,253,053

CONVERSION OF SINGLE PHASE ALTERNATING ELECTRIC CURRENTS TO POLYPHASE CURRENTS

Sydney Arthur Stevens and Alec Hervey Bennett Walker, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 29, 1939, Serial No. 292,434
In Great Britain August 30, 1938
2 Claims. (Cl. 172—238)



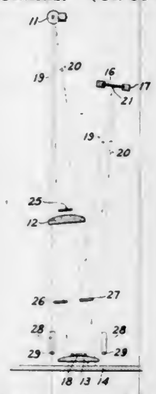
1. Apparatus for the conversion of single phase alternating electric currents to polyphase currents of the kind described, comprising an inductance and a capacity connected in series across the single phase source, the connection between said inductance and capacity serving as a polyphase terminal of the apparatus, a choke coil connected in parallel with the capacity, and a common magnetic core having at least three limbs on one of which is wound said inductance and on another of which is wound said choke coil, said core being designed to be magnetically saturated in a predetermined manner as the load on the polyphase circuit varies.

2,253,054

DEVICE FOR MEASURING FLATNESS OF GLASS

Clifton M. Tuttle and Randle V. Cartwright, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 13, 1939, Serial No. 294,758
13 Claims. (Cl. 88—14)



11. An optical system for determining the flatness of a reflecting surface comprising means for supporting said surface in a substantially certain plane, a low power cylindrical lens immediately in front of and with its cylindrical axis substantially parallel to said certain plane, means for supplying a light beam to the front of the lens and through the lens to said certain plane whereby when a reflector is in said certain plane it reflects the beam back through the lens and a viewing screen positioned to receive the light beam

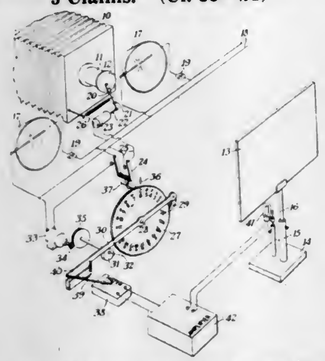
when so reflected through the lens, the position of said screen being conjugate to the incident light with respect to the double lens system formed by the cylindrical lens and a reflector in said certain plane.

2,253,055

EXPOSURE CONTROL APPARATUS

Clifton M. Tuttle and Allan M. Koerner, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 15, 1940, Serial No. 324,231
3 Claims. (Cl. 88—24)



1. In photographic copying apparatus requiring relatively long exposures, means for illuminating the subject being copied, means for initiating an exposure, light sensitive means for providing an electric current proportional to and variable with the illumination of the subject, a ratchet disc, an oscillatable arm, a pawl carried by said arm for indexing said disc in accordance with the amplitude of oscillation of said arm, means for oscillating said arm at a uniform relatively high frequency, means for simultaneously actuating said exposure initiating means and said arm oscillating means, means controlled by said current for governing individually the amplitude of each oscillation, whereby the time required for indexing said disc a predetermined amount will depend substantially upon the average intensity of the illumination of the subject, exposure terminating means, and means responsive to a predetermined amount of indexing of said disc for actuating the exposure terminating means.

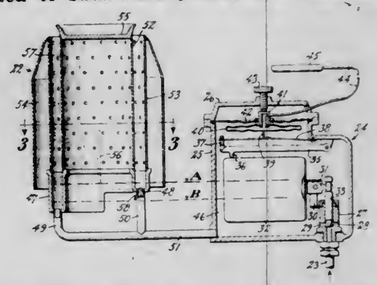
2,253,056

LIQUID FUEL BURNER

Hugo M. Ullstrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application October 5, 1937, Serial No. 167,349
1 Claim. (Cl. 158—87)

In a liquid fuel burner, an annular vaporizing well having two parts, an annular combustion chimney on said vaporizing well, a liquid level control device having a connection to each part of said well, one part of said well being shallower than the other part so that when a certain high liquid level is maintained by said control device, liquid is contained in and vaporizes in both parts, but when a certain low liquid level is maintained by said device, liquid is contained in and vaporizes in only the deeper of said parts, and partition walls separating said well parts and extending upward into said chimney so that when vaporization takes place in only one part the flame is restricted to substantially only that part of the



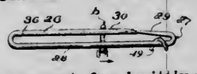
chimney above said well part in which vaporization occurs.

2,253,057

NEEDLE ELEMENT FOR KNITTING MACHINES

Charles D. Wood, North Bend, British Columbia, Canada

Application January 17, 1940, Serial No. 314,329
4 Claims. (Cl. 66—116)



1. A needle element for knitting machines, a substantially hook shaped needle element having an outwardly extended shank and outwardly presented bight portion and an inwardly presented point extended therefrom, and a movably mounted inner needle element having an outwardly presented point constructed to register with the first named point at times, to permit movement of an eye of yarn and the like, from one over the other, the last named point element being movable into close relation with the shank of the first named needle element, whereby an eye through which the bight is engaged may be moved slidably inward to encompass both said shank and said inner needle.

2,253,058

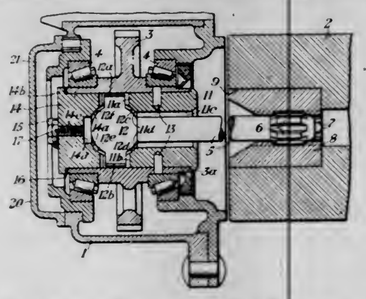
DRIVE MECHANISM FOR AXLE DRIVEN SPEED RESPONSIVE DEVICES FOR RAILWAY TRAINS

Herbert L. Bone and John W. Livingston, Forest Hills, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 2, 1940, Serial No. 349,816
1 Claim. (Cl. 74—12)

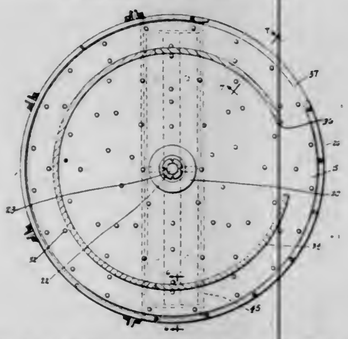
In combination with a vehicle axle, a member adapted to be driven from said axle journaled on the vehicle adjacent one end of said axle and provided with a hub, a drive shaft for driving said driven member disposed coaxially with said driven member and said axle and operatively connected at one end with said axle by means which permits limited axial misalignment of said drive shaft and said axle and extending at the other end with clearance into the hub of said driven member, an enlarged head formed integrally with the free end of said drive shaft within said hub, said head being provided with two integral diametrically opposite outwardly projecting trunnions disposed at right angles to the axis of said shaft and with spherical bearing surfaces on opposite sides of said trunnions in the direction of the axis of said shaft, a bearing member secured within the end nearest said axle

of the hub of said driven member and provided with an axial opening through which said shaft extends with considerable clearance and in its end face nearest the outer end of said hub with slots which receive said trunnions with sufficient clearance to permit said shaft to rock through a limited distance about the axis of said trunnions and about an axis disposed at right angles to the axis of said trunnions, said bearing member also being provided at the inner ends of said slots with a bearing seat which cooperates with certain ones of the spherical bearing surfaces on



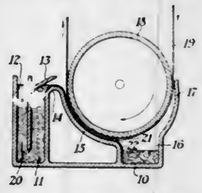
said head, and a bearing cap disposed in the other end of the hub of said driven member and secured to said bearing member and provided with a seat which cooperates with the remaining spherical surfaces on said head, said bearing cap being adjusted to prevent longitudinal movement of said shaft relative to said driven member while permitting said shaft to rock about its head, and the parts being so proportioned that when said bearing cap is removed said shaft can be withdrawn from engagement with both said axle and said driven member.

2,253,059
MIXER
Thomas P. Camp, Arlington Heights, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application September 20, 1939, Serial No. 295,757
4 Claims. (Cl. 259—178)



1. In a mixing device, a disc arranged to rotate about a vertical axis, means for continuously feeding cementitious material and water onto said disc near said axis, said disc normally rotating at a speed sufficient to quickly discharge said material therefrom by centrifugal force, a housing substantially surrounding said disc, said housing having a cover, mixing members on said cover and disc, and a stationary ring-like partition secured to said cover and substantially surrounding said axis, said housing and said ring having ports in offset relation so as to cause the mixing slurry to follow a positive, substantially spiral path longer than its normal path to prolong the mixing period before discharging from said housing port without materially reducing the output.

2,253,060
COATING APPARATUS
Eugene R. Clearman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 16, 1939, Serial No. 309,641
4 Claims. (Cl. 91—10)



2. In a coating apparatus for continuously coating long strips of sheeting, a guide roll adapted to move the sheeting through the apparatus, a reservoir approximately the same length as the roll and positioned parallel thereto adapted to contain the coating solution and having an outlet positioned in a plane along approximately the horizontal axis of said roll, an inclined chute positioned adjacent the reservoir adapted to conduct coating solution to contact the sheeting supported by the roll only at a line in a plane approximately on the vertical axis of said roll, and a round topped dam positioned between the chute and the reservoir along the length thereof adapted to regulate the uniformity of the flow of the solution into the chute.

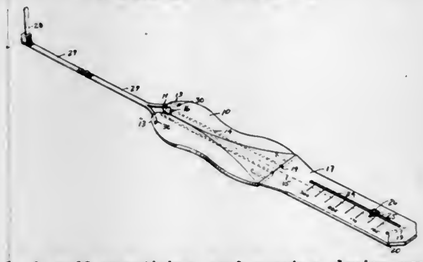
2,253,061
MANUFACTURE OF FRUIT ACIDS
Gordon Manley Cole, Corona, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
No Drawing. Application March 14, 1940, Serial No. 323,893
10 Claims. (Cl. 260—535)

1. A process for obtaining citric acid from an aqueous solution containing a high concentration of citric acid and also containing metallic ions as impurities which comprises treating the aqueous solution by intimate contact with a carbonaceous hydrogen zeolite to remove from the aqueous solution substantial quantities of the metallic ions, and then separating the aqueous solution from the zeolite and finally separating crystalline citric acid from the aqueous solution.

2,253,062
METHOD OF PREPARING FABRIC
Lilly Daché, New York, N. Y.
No Drawing. Application February 23, 1940, Serial No. 320,451
2 Claims. (Cl. 19—7)

1. A method of preparing a fabric which comprises soaking dried whole palm sheaths in water to loosen the skin tissues thereof and thereafter scrubbing said sheaths to remove said tissues so as to eliminate all but the sheath skeleton.

2,253,063
GOLF PRACTICING AND SCORING DEVICE
Christopher W. Deibel, Youngstown, Ohio
Application December 15, 1939, Serial No. 309,390
2 Claims. (Cl. 265—21)



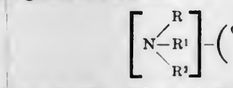
1. A golf practicing and scoring device comprising a driving mat having a curved V-shaped groove formed in the front end and a channel formed in the bottom thereof and a scoring portion attached to the back of the said mat and comprising a hollow body portion having a slot longitudinally extending therein, an indicator slidably positioned in the said slot, a driving bar pivoted at one end within the said hollow scoring portion, the free end adapted to engage the said indicator so as to move it along the said slot, yieldable means attached to the said body portion and to the said driving bar for resisting the movement thereof, a rubber ball adapted to tee itself upon the said driving mat at the apex of the said curved groove, an elastic cable attached to the said rubber ball and to the said driving bar so that motion imparted to the said ball will result in movement of the said slidable indicator.

2,253,064
CELLULOSIC COMPOSITIONS OF MATTER CONTAINING ORGANIC ESTER AMIDES
Joseph B. Dickey and James G. McNally, Rochester, N. Y.
No Drawing. Application April 26, 1938, Serial No. 204,373
9 Claims. (Cl. 106—183)

1. A composition of matter comprising a cellulose derivative selected from the group consisting of cellulose esters and ethers and an amide selected from the group consisting of the organic ester amides of primary and secondary alkanol amines.

2,253,065
PLASTICIZED CELLULOSE DERIVATIVE COMPOSITIONS
Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 16, 1938, Serial No. 246,200
6 Claims. (Cl. 106—180)

4. A composition of matter comprising a cellulose ester and an organic ester of a tertiary amine alcohol containing at least one and not more than three hydroxy groups completely esterified with a monocarboxylic organic acid and having the general formula:



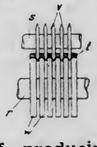
where R, R^1, R^2, and R^3 are organic radicals selected from the group consisting of alkyl, alkylene, cycloalkyl, aryl and heterocyclic groups and wherein n is a positive integer not over three.

2,253,066
FAN
Millard F. Dowell, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 29, 1938, Serial No. 248,275
8 Claims. (Cl. 170—159)



1. In a free air fan, a blade having a trailing tip extending circumferentially from the periphery of the main body of the blade, said tip having a backward curvature as regards the direction of air flow perpendicular to the blade surface, and the periphery of the main body of the blades having a backwardly curved portion increasing in radial width toward and merging into the tip.

2,253,067
PRODUCTION OF RUBBER THREADS
Max Draemann, Cologne-Deutz, Germany
Application September 29, 1937, Serial No. 166,294
In Germany October 9, 1936
7 Claims. (Cl. 18—54)

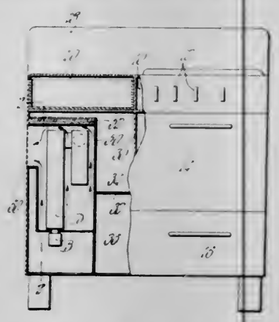


1. A method of producing rubber threads comprising the steps of preparing a vulcanizable rubber mix, manufacturing a substantially dry sheet from said rubber mix, passing said sheet through a multiple cutting device to form the rubber threads, and at least superficially vulcanizing the threads during their formation in the cutting device by keeping the blades of said cutting device at a temperature not below the vulcanizing temperature of said vulcanizable rubber mix.

2,253,068
COOKING AND HEATING RANGE
Homer D. Dufault, Easthampton, Mass., assignor to Holyoke Heater Company, Holyoke, Mass., a corporation of Massachusetts
Application November 9, 1940, Serial No. 365,076
2 Claims. (Cl. 126—4)

1. The combination of the vertical side partition, and lower and upper walls forming oven and adjacent compartments of a range with room heating means independent of said oven comprising, an inner casing wholly within the said adjacent compartment having an open lower side and vertical side and upper walls parallel with and spaced from adjacent walls thereof forming therewith an outer insulating air space around the inner compartment, a hollow heater unit within the inner casing having an open

lower side and vertical side and upper walls spaced from adjacent walls of said inner casing and providing therewith an inner warm air circulating space around the said heater, a burner at the open lower side of the heater unit, a hollow connection between adjacent vertical walls of said inner casing and adjacent compartment adjacent the upper ends thereof extending horizontally through the circulating air space pro-



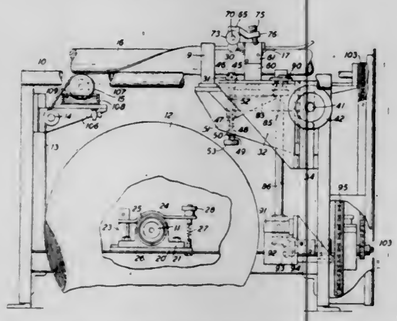
viding a passageway from the circulating space outwardly of the range into the room below the upper side thereof, a stack, and flue connections from the heater unit extending through said inner and outer air spaces and certain vertical walls to said stack, and the said lower wall of the outer casing provided with an opening to permit air to enter said heater unit, the insulating space around the inner casing and circulating air space around the heater.

2,253,069

CORE COVERING APPARATUS

John F. Eckel, Cranford, and William Morsing, Irvington, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 20, 1939, Serial No. 274,774
11 Claims. (Cl. 173—244)



1. A core covering apparatus comprising means to feed tape material to a longitudinally advancing core, means to bend the material longitudinally about the core and cause excess portions of the material at the sides thereof to project outwardly in substantially parallel abutting relation from the core, and a pair of rotatable elements having substantially flat cooperating surfaces to engage the material on the core at positions short of the said excess portions and draw the material tightly about the core.

2,253,070

COLOR CORRECTION IN PRINTING MULTI-LAYER FILM

Ralph M. Evans, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 16, 1940, Serial No. 352,902
4 Claims. (Cl. 95—2)



1. The method of preparing a multi-color printing element affording corrected color prints, which comprises exposing to an object to be photographed an element having a plurality of superposed emulsion layers sensitive to different spectral regions and an outer, fogged silver halide layer, developing silver images in all said layers including a uniform silver deposit in said outer layer, forming dye and silver images in said differently-senstive layers, converting the silver in said outer layer only, to silver halide, removing the silver from said differently-sensitive layers, sensitizing the silver halide in said outer layer to a spectral region other than the blue, exposing said outer layer to light of that color through the dye images in the remaining layers, developing a silver image in said outer layer, and removing the silver halide from the outer layer.

2,253,071

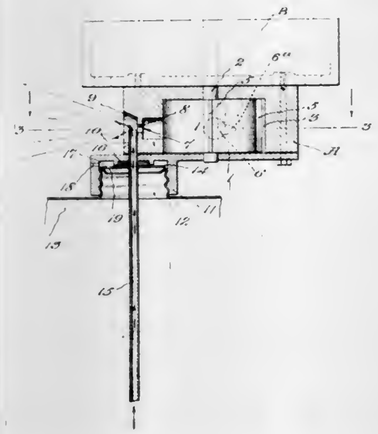
PORTABLE ELECTRIC SPRAYER

William F. Gordon, West Redding, Conn., and Walter H. Marsh, Crafton, Pa., assignors, by direct and mesne assignments, to Atlas Electric Sprayer Corporation, New York, N. Y., a corporation of New York

Application June 10, 1940, Serial No. 339,658
2 Claims. (Cl. 299—88)

1. A portable electric spraying device which comprises a motor-driven air compressor mounted in a casing and having a horizontal compressed air outlet in straight-line communication therewith; a first vertical open tube mounted on said casing substantially at right angles to said compressed air outlet and out of alignment with the shaft of the motor and having one end in the stream of air flowing from said outlet whereby a stream of compressed air blown through the outlet by the air compressor passes across the top of the open tube and creates a partial vacuum therein; a container adapted to hold a liquid and associated with said casing; a second tube mounted in said container and extending downwardly from the top thereof, said tube being spaced a short distance from the bottom of the container; means for tightly fixing the other end of said first tube in contact and substantial alignment with the upper end of said

second tube; and means for keeping the surface of the liquid in the container under substantially atmospheric pressure, whereby said liquid is forced up through the tubes upon creation of a partial vacuum therein and is atomized by the stream of air, thereby providing a light, compact,



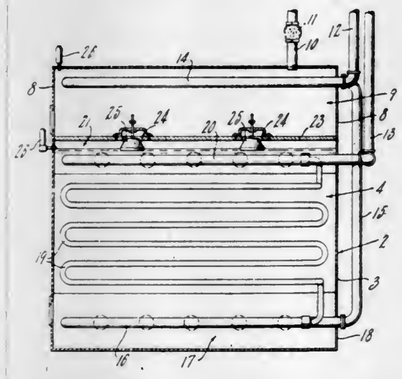
easily operated sprayer adapted to vaporize liquid insecticides, exterminants and the like in an extremely fine spray and to form thereof a gaseous blanket which can displace air in the area of its application and can permeate cracks, crevices, pores and the like to kill insect pests therein without harmful effect upon furnishings.

2,253,072

WATER HEATER

Edgar Gruenstein, New York, and Harold Pollack, New Rochelle, N. Y., assignors to Hargar, Inc., New York, N. Y., a corporation of New York

Application June 25, 1938, Serial No. 215,740
7 Claims. (Cl. 122—32)



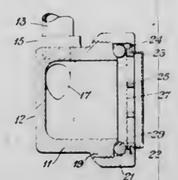
1. A water heater comprising a casing forming a water chamber and a steam chamber in communication therewith, means for supplying hot water to said water chamber and discharging cooled water therefrom, means for supplying steam to said steam chamber, and a pipe for first passing water to be heated through the steam chamber in heat absorbing relation to the steam therein and then upwardly through the water chamber in heat absorbing relation to the water therein.

2,253,073

THREAD PRODUCTION

Paul J. Hayes, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 8, 1940, Serial No. 317,827
4 Claims. (Cl. 18—8)



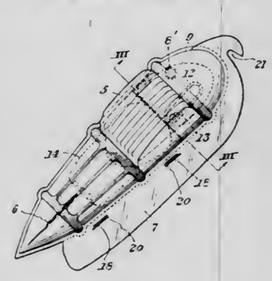
1. A spinneret adapter comprising a housing, a spinneret mounted in one end of said housing, a plurality of filament-forming orifices in said spinneret, a supply conduit connection for a filament-forming solution in said housing, said supply conduit connection tangentially positioned in the side wall of said housing whereby the filament-forming solution is passed in a spiral direction through said housing and with substantially equal speeds through said orifices.

2,253,074

PROJECTILE

Ralph W. Hippen, Hobart, Okla.

Application January 4, 1939, Serial No. 249,208
4 Claims. (Cl. 46—86)



1. A projectile comprising an openable casing, latch means normally maintaining the casing closed, and means carried and guided solely by the latch means gravity actuated upon movement of the casing to a predetermined position insuring movement of the latch means to inoperative position.

2,253,075

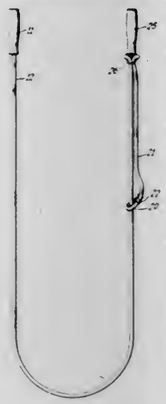
TOY

Francis E. Johnson, Mount Vernon, N. Y.

Application November 26, 1940, Serial No. 367,167
4 Claims. (Cl. 272—75)

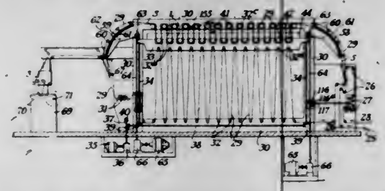
1. A device of the character described comprising in combination a rope having a running

noose therein, a handle for the unnoosed end of said rope and a second handle having means



for engaging an intermediate portion of said noose.

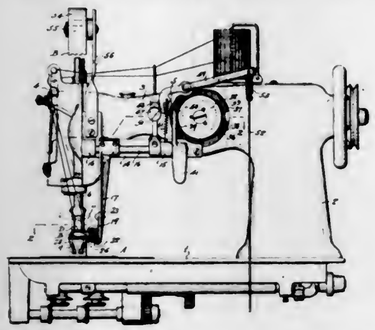
2,253,076
STRIP MATERIAL TAKE-UP
John G. Jones and Malcolm P. Davis, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 28, 1939, Serial No. 301,855
20 Claims. (Cl. 271—2.1)



1. A machine for handling strip material having, in combination, a frame, an elevator movable in the frame, a floating take-up member adapted to be lifted by the elevator and to descend by gravity, transverse rollers on the take-up member and on the frame to receive the strip, and means for maintaining the take-up member normal to the frame.

2,253,077
SEWING MACHINE
Anton Kierner, Elizabeth, N. J., assignor to Emil Prazak, Elizabeth, N. J.
Application October 24, 1940, Serial No. 362,524
14 Claims. (Cl. 112—132)

1. In a sewing machine having a sewing mechanism including laterally spaced vertically reciprocable sewing needles, a centrally open presser foot bridged at its forward end portion by a bottom plate terminating, in direction of the movement of work, somewhat beyond the path of needle reciprocation, a material plaiting means adapted to form upstanding pleats in the material, said plaiting means comprising a material engaging plaiting member adapted to traverse said presser foot bottom plate, its operative stroke being in the direction of the movement of work, means to retract and advance said plaiting member relative to a point slightly beyond the path of needle reciprocation and in timed relation to stitch forming movements of said needles, and a pleat shifter means rigidly affixed to said plaiting member, the same having an upwardly and forwardly inclined operative end portion freely projecting beyond the operative end of said plaiting member, said pleat

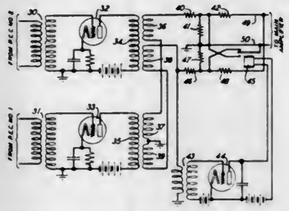


shifter being adapted to temporarily swing forward a formed pleat so as to pass the same between the threads of the raised sewing needles prior to stitch completing descent of said needles, whereby pleat skirting stitches disposed to pass exteriorly around the pleat sides are formed by the descending needles.

2,253,078
PHOTOGRAPHIC SILVER HALIDE EMULSION
Wesley G. Lowe, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 1, 1940, Serial No. 349,295
9 Claims. (Cl. 95—7)

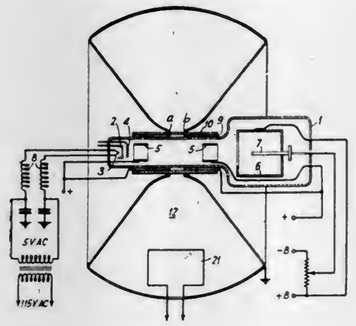
1. A light-sensitive photographic emulsion comprising a silver halide and a carrier therefor selected from the group consisting of the polyvinyl propionaldehyde acetals having a combined vinyl alcohol content of approximately 45–60% and the polyvinyl butyraldenyde acetals having a combined vinyl alcohol content of approximately 60–80%.

2,253,079
ELECTRICAL TRANSMISSION CIRCUIT
Walter A. MacNair, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 27, 1940, Serial No. 316,055
15 Claims. (Cl. 179—100.3)



1. In a sound reproducing system, in combination, a plurality of elements for scanning a plurality of sound records, a sound reproducing circuit, means automatically responsive to the phase relationship of the currents from said scanning elements, and means controlled by said responsive means for connecting the outputs of said scanning elements to said reproducing circuit so that the currents from said elements in the reproducing circuit are in phase conjunction.

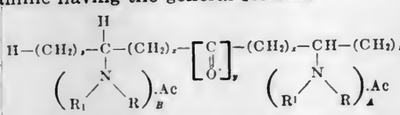
2,253,080
RESONANT CHAMBER CIRCUIT FOR USE ESPECIALLY WITH INDUCTIVE OUTPUT TUBES
Alexei S. Maslov, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 21, 1940, Serial No. 325,120
8 Claims. (Cl. 178—44)



1. An electron discharge device circuit including a tank circuit in the form of a surface of revolution having a gap, a source of electrons for projecting a stream of electrons across said gap, metallic tubes on opposite sides of said gap and surrounding said electron stream for at least part of its length of travel, said tubes being insulatingly mounted with respect to said tank circuit, means for biasing said tubes positively relative to said source, and a connection from said tank circuit to ground.

2,253,081
YARN CONDITIONING PROCESS AND THE PRODUCT THEREOF
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 17, 1938, Serial No. 246,518
13 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning, the manufacture of staple fibers, and the like, which comprises applying thereto a lubricating and anti-static composition containing as its essential lubricating and anti-static component a salt of a ketonic amine having the general formula:

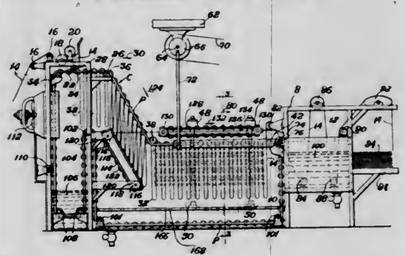


where x, y, z and A are, in each instance, a number not over 2 and B is a number, including 0, not over 2; R and R^1 are substituents selected from the group consisting of hydrogen, alkyl, cycloalkyl and heterocyclic groups, and Ac is an acid group.

2,253,082
NITROALKYLAMINO-ANTHRAQUINONE DYE COMPOUNDS
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 10, 1939, Serial No. 278,584
6 Claims. (Cl. 260—371)

1. Anthraquinone dye compounds containing in an α-position at least once in their molecule a nitroalkylamino group which is joined directly to the anthraquinone nucleus through the nitrogen atom of the amino portion of said nitroalkylamino group and in which the nitro group is separated from the said nitrogen atom by at least two carbon atoms.

2,253,083
APPARATUS FOR BOILING-OFF TEXTILE FABRICS
Louis Mees, New Brunswick, N. J., and Ralph C. Parkes and Bertrand A. Parkes, Philadelphia, Pa., assignors to National Drying Machinery Co., Philadelphia, Pa., a corporation of Pennsylvania
Application September 19, 1939, Serial No. 295,574
6 Claims. (Cl. 68—13)



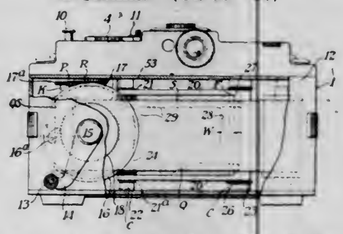
4. An apparatus for boiling-off textile fabrics comprising, a boil-off tank, an endless pole conveyor adapted to support the fabric being treated, means for submerging said endless conveyor and the fabric carried thereby and propelling it through said boil-off tank, and a guard disposed substantially horizontally above said boil-off tank and partly submerged in the liquid therein for preventing the fabric carried by said pole conveyor from floating above the surface of the liquid in said boil-off tank.

5. An apparatus for boiling-off textile fabrics comprising a conveyor, means for forming the fabric to be treated into loops carried by said conveyor, means for propelling said conveyor through a boil-off liquid, and means for assuring positive entry of the loops of fabric into the boil-off liquid comprising, a submerged inclined endlessly traveling belt disposed in the area in which said loops enter said liquid, and means for actuating said belt whereby a downward current is created in said liquid to draw the lower ends of the loops and whereby the lower portions of the loops are also frictionally engaged and guided downwardly by said endless member.

6. An apparatus for boiling-off textile fabrics comprising a boil-off tank adapted to contain a boil-off liquid, an endless pole conveyor adapted to support the fabric to be treated, an auxiliary compartment adjacent one end of said boil-off tank and adapted to contain a washing liquid, said auxiliary compartment communicating with said boil-off tank at a point above the level of the

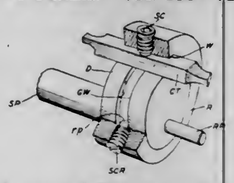
liquid in said tank and said compartment, scrubbing devices mounted in the lower portion of said auxiliary compartment, drying means also mounted in said compartment above the level of said washing liquid, and means for propelling said endless pole conveyor through said boil-off tank and from said boil-off tank into said auxiliary compartment, through said washing liquid and past said scrubbing devices and said drying means.

2,253,084
FOCAL PLANE SHUTTER
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New Jersey
Application October 17, 1939, Serial No. 299,864
11 Claims. (Cl. 95—57)



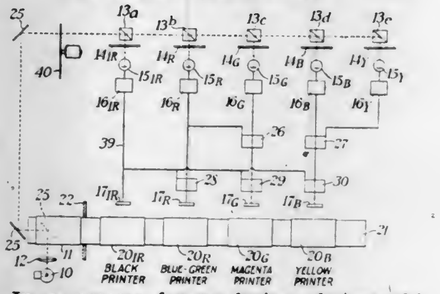
1. In a curtain shutter for cameras including a pair of curtains each having one end attached to a spring roller and having the other ends attached to coaxially arranged spools and a roller respectively, the combination with means for establishing a slot of predetermined width between said curtains comprising gearing directly connected to one of said curtains, and connections between the geared curtain to the other curtain including a sleeve, a pawl and ratchet between the sleeve and the other curtain, and a one way clutch between the sleeve and the geared curtain, a curtain stop, a latch for holding the ungeared curtain against the stop, a speed setting device including a setting member and a clutch between the setting member and the geared curtain for setting the latter while the other curtain is held by its latch.

2,253,085
MACHINE TOOL
Millard E. Morrell, Mattawan, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 5, 1940, Serial No. 344,127
4 Claims. (Cl. 164—71)



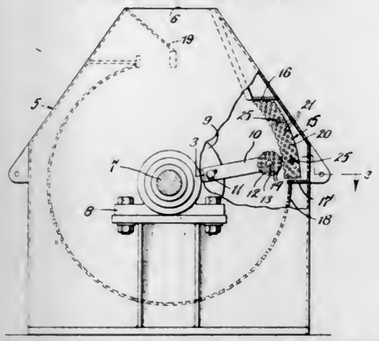
1. A tool comprising a mounting having a shank, a disc and a reduced portion, said disc being formed eccentrically to said shank portion and said reduced portion, a ring fitted for rotary adjusting movement on the periphery of said disc, means for securing said ring on said disc following such adjusting movement, a cutter, key-way in said ring for receiving said cutter, and means carried by said ring for securing said cutter against the periphery of said disc.

2,253,086
COLOR PHOTOGRAPHY
Alexander Murray and Richard S. Morse, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 16, 1937, Serial No. 120,964
12 Claims. (Cl. 178—5.4)



1. In a process for producing photographic color separation records from a colored original, the method which comprises scanning elemental areas of the original, simultaneously directing different spectral components of the scanning beam as modified by the original onto corresponding areas of different photographic layers, altering the intensity of at least one of said components in accordance with the intensity of at least one other of said components, and developing the exposed photographic layers.

2,253,087
HAMMER MILL
Joseph A. F. Neal, Buffalo, N. Y.
Application July 20, 1939, Serial No. 285,529
4 Claims. (Cl. 83—11)

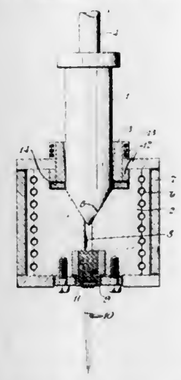


2. A hammer mill comprising a casing having an inlet for the materials to be ground, a main drive shaft in said casing, a plurality of hammer arms carried by said drive shaft within said casing, a hammer mounted on each of said hammer arms and a grinding plate arranged to coact with said hammers to reduce said materials, each of said hammers being composed of metal disks rotatably mounted on the end of the corresponding hammer arm and having a plurality of perforations extending therethrough parallel with said main drive shaft whereby the wearing of said hammers serves to continuously expose fresh jagged edges to said materials and said grinding plate being composed of a plurality of arcuate plates provided with closely spaced perforations the axes of which are generally parallel with the axis of said main drive shaft, said plates being arranged face to face generally normal to the axis of said main drive shaft and with their edges facing said main drive shaft and means for holding said arcuate plates in assembled relation comprising upper and lower bolts extending through the upper and lower ends of said plates parallel with said main drive shaft, the ends of said bolts being received and secured in slots in said casing extending toward said main drive shaft whereby said bolts and the assembled plates carried thereby can be adjustably positioned along said slots, the perforations of said plates providing a plurality of internal voids in the assembly of grinding plates whereby the wearing of said assembly serves to continuously exposed fresh jagged edges to said materials.

2,253,088
ART OF PREPARING DERIVATIVES OF ANARCARDIC ACID
Emil E. Novotny, Oak Lane, and George Karl Vogelsang, Frankford, Pa., assignors to Durite Plastics, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application August 4, 1937, Serial No. 157,394
14 Claims. (Cl. 260—46)

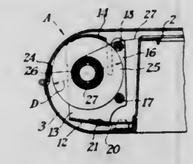
1. The method of producing a nitrogen-containing derivative of anacardic acid, which consists in preparing a mixture of anacardic acid and an amine having at least one reactive hydrogen atom attached to the nitrogen, said amine being present in the mixture in excess of one mole to each mole of anacardic acid, and heating said mixture to a temperature of not less than 450° F. until the reaction is substantially complete.

2,253,089
SPINNING APPARATUS AND METHOD
Roland Roswell Nydegger, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 18, 1939, Serial No. 257,165
13 Claims. (Cl. 18—8)



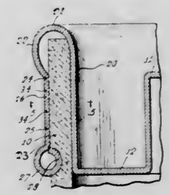
4. In an apparatus for the forming of filamentous structures from melts of organic filament-forming compositions, a melting chamber, a sealing ring connected to said melting chamber, said sealing ring having walls converging inwardly towards the interior of said chamber, a spinneret in said chamber, and means for forcing a uniformly shaped, solid mass of the filament-forming composition through said ring into said chamber whereby to melt said material and force the molten material through said spinneret.

2,253,090
SPOOL HOLDING AND TENSIONING DEVICE FOR CAMERAS
Charles W. Peterson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 4, 1939, Serial No. 302,895
10 Claims. (Cl. 242—71)



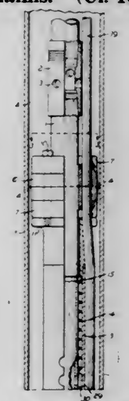
10. In a roll holding camera including spool chambers in end walls thereof and an exposure frame across which film may be drawn from a flanged spool for exposure, the combination with means for winding film in one spool chamber, a spool support in the other chamber including a spring bracket, a spool engaging surface thereon spaced from an end wall of the camera a distance less than the diameter of the film spool flanges, whereby said spring bracket may press the spool flanges into braking engagement with the end wall of the camera in a direction opposite to that in which the film may be wound, said spring bracket being positioned to permit yielding toward said exposure frame, whereby a spool may be snapped into position between said spring bracket and wall of said spool chamber.

2,253,091
PAPER CONTAINER
Russell E. Plum, Phillipsburg, N. J., assignor to The Canister Company, Phillipsburg, N. J., a corporation of New Jersey
Application December 13, 1938, Serial No. 245,348
2 Claims. (Cl. 229—51)



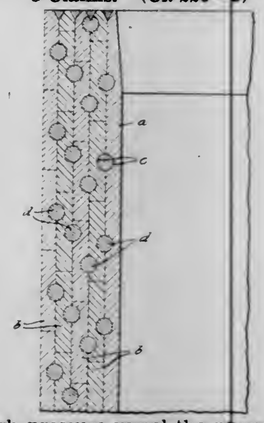
1. A container comprising a tubular fibre body and a metal closure for one end of said body, said closure comprising a unitary structure composed of a central portion, a smooth cylindrical vertical wall surrounding the central portion and providing a sliding engagement with the inner wall of the container, a connecting part extending from the top of the vertical wall and overlying the rim of the container body and extending downwardly along the outer surface of said body and terminating in an outwardly projecting sealing flange adjacent the lower end of said cylindrical wall, the overlying portion forming an outwardly projecting manipulating flange, a tear strip joining said flanges, and an annular inwardly turned bead forming part of the sealing flange and impressed in the outer wall of the container body, whereby upon removal of the tear strip the seal is broken between the cover and the container body.

2,253,092
PACKER
Albert Pranger, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application June 22, 1937, Serial No. 149,602
14 Claims. (Cl. 103—221)



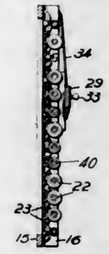
1. In combination with a mandrel and a cable, a packer provided with holes adapted to receive the mandrel and cable, said mandrel and cable passing through said holes and means to set said packer by means of the mandrel.

2,253,093
HIGH-PRESSURE VESSEL
Ludwig Raichle and Karl Riedinger, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to William E. Currie, New York, N. Y.
Application June 2, 1939, Serial No. 277,032
In Germany June 4, 1938
5 Claims. (Cl. 220—3)



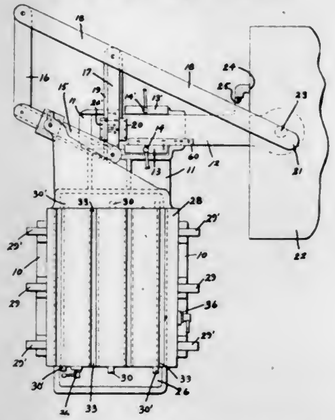
1. A high-pressure vessel the pressure-bearing wall of which comprises at least two layers of metal band wound helically with the band edges meeting each other, said metal bands being provided on their inner and outer sides in their longitudinal direction with groove-like depressions and being arranged so that the depression on the inner side of a superposed metal band comes to lie on the depression on the outer side of the lower metal band, said depressions thus forming a hollow space, and a metal body filling said hollow space.

2,253,094
DISPENSING RACK
Richard M. Robbins and Robert V. Robbins, Loveland, Colo.
Application April 8, 1940, Serial No. 328,502
4 Claims. (Cl. 242—55.4)



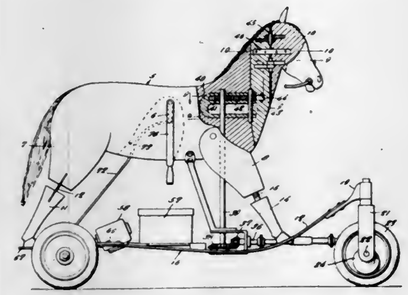
1. A device of the character disclosed comprising a rack element inclusive of means for rotatably mounting a plurality of rolls of material thereon, a cutter element inclusive of a bar mounted on the rack for sliding movement past rolls on said rack, a cutter blade hinged to the bar and movable therewith to selected rolls, resilient means on the element for urging the cutter blade away from the rolls, said cutter blade being manually movable against the resilient means to contact a selected roll.

2,253,095
PROFILING DEVICE
Charles O. Rothweiler, Milwaukee, Wis.
Application March 7, 1939, Serial No. 260,407
6 Claims. (Cl. 90—13.1)



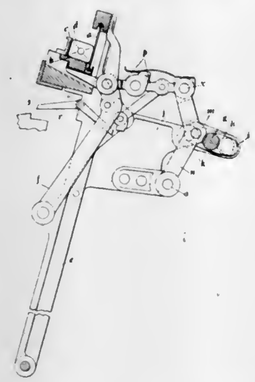
1. A profiling device of the character described to be used in combination with a milling machine, a pantograph structure, said pantograph structure provided with a tracing device mounted onto the tracer arm of said pantograph, a surface plate mounted onto the reproducing arm of said pantograph, a base plate for mounting onto said milling machine and an auxiliary carriage intermediately disposed between said surface plate and base plate, said auxiliary carriage provided with a plurality of rollers, said base plate and surface plate provided with guide rails arranged to engage said rollers so as to allow free movement of said surface plate under cutters on said milling machine, when said plate is actuated by said pantograph.

2,253,096
MECHANICAL HORSE
Roy E. Sheldon, Ocean Park, Wash.
Application September 26, 1939, Serial No. 296,651
9 Claims. (Cl. 280—1.15)



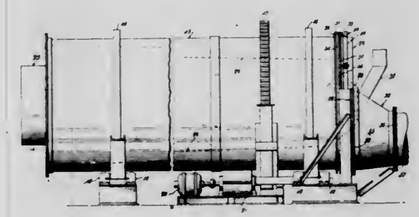
1. A mechanical horse comprising a frame, front and rear wheels supporting the frame, a steering mounting for the front wheels, stub axles for the front wheels, universal connections between the axles and the mounting providing independent bodily movement for each wheel, a steering mechanism for said axles, an eccentric hub for the wheels, a mounting for each wheel rising from the axle and means connecting the upper ends of the last-named mountings for maintaining the same in an upright position during independent bodily movement of the wheels.

2,253,097
BEAT-UP MECHANISM OF LOOMS FOR WEAVING
Derrick Walter Shimwell, Shiplake-on-Thames, England
Application January 23, 1941, Serial No. 375,661
In Great Britain January 9, 1940
5 Claims. (Cl. 139—190)



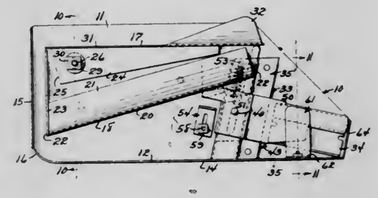
1. Beat-up mechanism of the type described for a loom for weaving, in which both the reed and the shuttle boxes are operated from cranks on a common shaft, the cranks driving the reed and race having a larger throw than the ones driving the shuttle boxes, and the crank arms driving the reed and race being shorter than the crank arms that drive the shuttle boxes, the relative proportions of these cranks and crank arms being such that the reed and race have a somewhat similar movement to that of the shuttle boxes for about 220° of the loom cycle.

2,253,098
ROTARY KILN OR DRIER
Charles A. Schneider, Tinley Park, Ill., assignor to Link-Belt Company, a corporation of Illinois
Application August 3, 1940, Serial No. 351,011
12 Claims. (Cl. 263—32)



1. In a kiln, drier, furnace, or the like, a rotating shell, a circular series of longitudinally slotted gas chambers arranged around the wall of the shell with the chambers having their inlet ports at the feed end of the shell, a stationary distributing ring covering the inlet ports of the gas chambers, means for delivering gas to the portion of the distributing ring which covers the inlet ports of the gas chambers that underlie the bed of material in the shell, separate means for sealing between the inner and outer edges of the distributing ring and the inner and outer edges of the circular series of gas chambers, each of said sealing means including a ring, having a radial face, extending circumferentially of the shell and rigidly attached thereto, a second ring arranged to bear against said face of the first ring, means for mounting the second ring on the stationary distributing ring and resiliently forcing it against said first ring, and a flexible band arranged to seal between the second ring and the stationary distributing ring.

2,253,099
PAPER TRIMMER
Edward L. Shaffer, Twin Falls, Idaho
Application May 20, 1940, Serial No. 336,255
10 Claims. (Cl. 30—294)



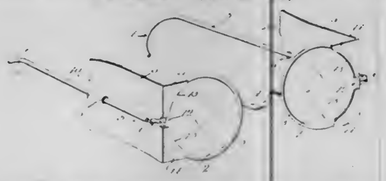
1. A cutting tool comprising a body, a blade supporting carriage slidably mounted on the body, and a lever pivoted to the body and bearing against the said carriage, actuation of the said lever effecting movement of the carriage into a cutting position.

2,253,100
SPIKE PULLER
Glenn W. Sprague, Fort Recovery, Ohio
Application June 17, 1940, Serial No. 341,057
1 Claim. (Cl. 254—22)



A flexible spike puller comprising an elongated hand bar provided with a foot, a rounded head member provided with a thickness reduced arcuate shank extending outwardly therefrom and to which the hand bar at its heel portion is pivotally secured, said foot having a laterally disposed pin projecting under the shank, said foot being obliquely disposed with respect to the bar, said shank being reduced to define a shoulder against which the hand bar can abut.

2,253,101
SHIELD FOR GLASSES
Albert W. Thoreson, Thief River Falls, Minn.
Application April 25, 1939, Serial No. 270,002
2 Claims. (Cl. 2—13)

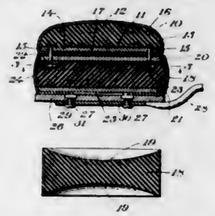


2. The herein described shield for spectacles, comprising an inherently resilient, generally rectangular, normally flat, platelike body having an apertured rear end portion to fit slidably over the temple bar of the spectacles, the forward end portion of the body being cut out roundedly and formed with a notch to fit over the juncture of the temple bar with the adjacent eye member, the aperture and notch being coincident with the longitudinal axis of the platelike body and the forward portions of the body on opposite sides of the notch being bent inwardly substantially at a right angle to form triangular wings having concaved margins, the concaved marginal portions to concentrically overlap in cooperatively engaging contact with the adjacent peripheral portions of the eye member in front thereof, the major body portion of the applied shield being located and disposed in a vertical plane at the inner side of the temple bar but its end portion rearward of the aperture through which the temple bar is inserted being located at the outer side of the temple bar and sprung so that the reactive effect is to force the forward end portion of the body adjacent the notch inwardly and hold it against the immediately adjacent peripheral portion of the eye member.

2,253,102
METHOD OF REDUCING SHRINKAGE OF WOOL
Joseph Frederic Walker, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 19, 1939, Serial No. 300,281
11 Claims. (Cl. 8—128)

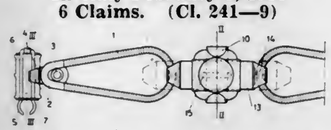
1. Process for reducing the tendency of a keratinous textile fiber to shrink, which comprises treating said fiber with an alpha-halogenated ether wherein the organic radicals have each not more than six carbon atoms, said ether being employed as such.

2,253,103
TRUSS
Walter H. Barlow, Stroud, Okla.
Application April 20, 1939, Serial No. 269,006
1 Claim. (Cl. 128—117)



A truss comprising a pressure spring adapted to embrace a portion of the body of the wearer, a pair of sponge rubber blanks of substantially equal diameter superposed upon each other to form a pad, chamois skin facings smoothly stretched over the blanks, stiff backings for the blanks, means connecting the backings together, one of the blanks having a flat bottom surface and a slightly arched top surface merging with the bottom surface at the edge of the blank in a curve to simulate the concave on the top and bottom faces of the ball or tip of a person's finger, the other blank being shaped to provide greater tension at the edge portion than at the center to simulate movement of the arm of a person applying pressure at various angular directions to push a rupture back in place, and means attaching the pad to one end of the spring.

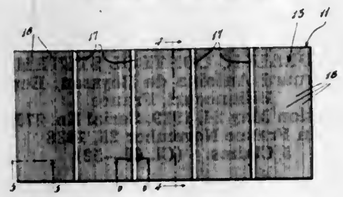
2,253,104
ELASTIC HALF-BELT FOR TROUSERS
Cinzio Barosi, Turin, Italy
Application February 3, 1939, Serial No. 254,466
In Italy February 8, 1938
6 Claims. (Cl. 241—9)



3. Elastic half-belt for garment waists, comprising a pair of metallic helical springs bent to an eyelet form, attachment means for connecting the ends of each spring permanently together and in an easily detachable manner to the garment waist, an attachment plate, pins on said attachment plate adapted to be driven into the

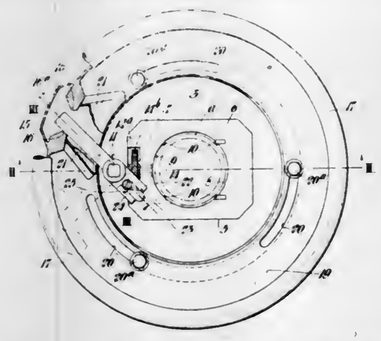
garment waist and bent on the back hereof, a C-shaped guiding plate fixed to said attachment plate, straps connected to the eyelet so that the two branches of said eyelet may freely slide with respect to each other and mounted for displacement relatively to each other between said attachment plate and said guide plate, a nut between said attachment plate and said straps, and a set screw passed through a hole in said guide plate and slots in said straps and screwed into said nut to lock said straps to said guiding plate.

2,253,105
COMBINATION METALLIC AND INSULATION SHINGLE
Burton H. Bill, Sacramento, Calif.
Application March 15, 1940, Serial No. 324,217
2 Claims. (Cl. 108—8)



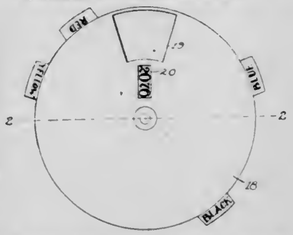
1. In a combination shingle of the character described, an outer wall of sheet metal and an inner wall of fireproof material, channel flanges on the side and bottom edges of the outer metallic wall inclosing adjacent edges of the inner wall to retain the walls in assembled relation, the shingle being of monolithic character and the outer metallic wall of the shingle having a series of spaced well defined grooves to simulate a plurality of smaller shingles, and the spaces between said grooves being longitudinally corrugated.

2,253,106
CHUCK
Charles G. Brodd, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application February 15, 1940, Serial No. 319,152
10 Claims. (Cl. 10—107)



1. In a rotatable chuck, the combination with a pair of centrally located jaws, of a rotatable member surrounding said jaws, means for moving one of the jaws disposed adjacent thereto, and an intervening member located within the confines of and actuated by the rotatable member for actuating the jaw moving means.

2,253,107
COLOR INDEX DEVICE
John Woolson Brooks, Des Moines, Iowa
Application July 31, 1939, Serial No. 287,607
2 Claims. (Cl. 88—14)



1. A color index device, comprising a series of discs of transparent material arranged one above the other and independently rotatably mounted at their central position, each disc having a series of segmental portions provided with different color values, each disc also being provided with a numeral for each of said segmental portions, an opaque cover for the discs having an opening through which one of the said segments may be viewed, and another opening through which said numbers may be viewed, said numbers being so positioned upon the discs that when the discs are set to a desired position the numbers on the various discs will be in line and closely associated, to present a readily readable designated number with one digit from each disc.

2,253,108
DIGIT BANDAGE
William D. Casey, Jr., Memphis, Tenn., assignor of forty per cent to William R. Jenkins, Memphis, Tenn.
Application December 19, 1939, Serial No. 310,052
2 Claims. (Cl. 128—157)

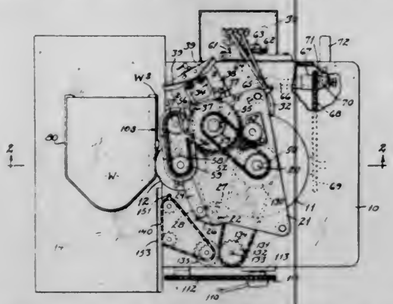


1. A digit bandage of the character stated, comprising an elongated strip of material having an adhesive coating over one face, said strip being cut longitudinally from each end and at one side of the longitudinal center to a point in close proximity to the transverse center of the strip to divide the strip into a major portion and a minor portion, the said portions being integrally connected at the transverse center of the strip, the part of each of said portions lying on either side of the connection forming attaching wings and the wings of the minor portion being of less length than those of the major portion.

2,253,109
SURFACE DECORATING MECHANISM
Lloyd V. Casto, Detroit, Mich., and Guido von Webern and Edward William Hamant, Dayton, Ohio, assignors to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan
Application October 7, 1939, Serial No. 298,410
14 Claims. (Cl. 101—35)

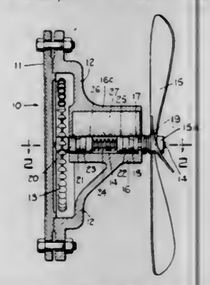
1. A surface decorating apparatus comprising a frame, a work decorating roll rotatably mounted thereon, means to rotate said roll, a workholder, means to progress said workholder in registration with the rotating roll to cause the design to be impressed on work carried thereby,

a disconnectible power drive for said means, means for engaging said drive as the workholder is moved toward the decorating roll and means



to simultaneously move said workholder away out of contact with said roll and disconnect said power operated progressing means from its drive.

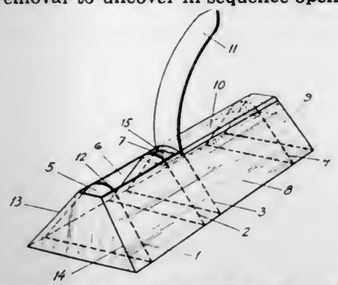
2,253,110
SELF-COMPENSATING BEARING
Edward S. Cornell, Jr., Larchmont, N. Y.
Application November 19, 1937, Serial No. 175,409
2 Claims. (Cl. 308—69)



1. A self-compensating bearing and shaft assembly, comprising in combination, a shaft, oppositely positioned ball members, said ball members having perforations through which said shaft projects and is rotatively supported, thrust bearing members respectively engaged by said ball members, resilient means passing about said shaft and urging said ball members respectively toward their respective said thrust bearing members in opposing directions substantially parallel to the axis of said shaft, and mutually spaced lubricant feeding elements respectively for said ball members and positioned about said shaft and between said resilient means and said ball members respectively.

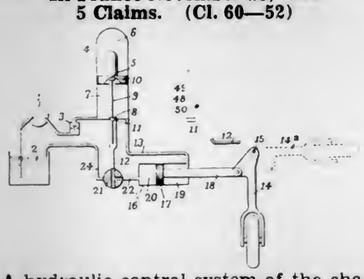
2,253,111
CONTAINER
Stig Henrik Cronström, Goteborg, Sweden, assignor to Hasselblads Fotografiska Aktiebolag, Goteborg, Sweden, a corporation of Sweden
Application December 28, 1938, Serial No. 248,106
In Sweden December 31, 1937
6 Claims. (Cl. 229—15)

1. In a container comprising a number of compartments arranged in sequence and adapted to contain measured quantities of one or several materials, two opposed walls in each one of said compartments inclined relatively to one another, and a removable wall strip connecting adjacent edges of said opposed walls and extending in sequence along said compartments and adapted upon removal to uncover in sequence openings in



the compartments partly confined by said adjacent edges of said opposed walls.

2,253,112
HYDRAULIC CONTROL SYSTEM
Joseph Bernard Antoine de Boysson, Boulogne-Billancourt, France
Application May 24, 1939, Serial No. 275,570
In France November 25, 1938
5 Claims. (Cl. 60—52)

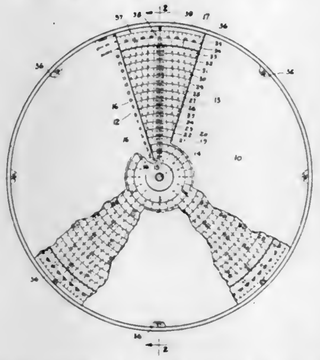


1. A hydraulic control system of the character described, comprising a reciprocable double acting hydraulic jack, a fluid pressure generator for said jack, an energy storage device in communication with said pressure generator, a conduit establishing communication between said energy storage device and one side of said jack, a second conduit establishing communication between said storage device and the other side of said hydraulic jack, valve means in said second conduit, means responsive to the pressure in said energy storage device for controlling the operation of said valve means, whereby the operation of said hydraulic jack is dependent upon the pressure in said storage device, and second valve means in at least one of said conduits for controlling the admission to and exhaust of fluid from said jack.

2,253,113
CALCULATING DEVICE
Louis P. Drucker, Cleveland, Ohio
Application June 6, 1938, Serial No. 212,117
3 Claims. (Cl. 235—88)

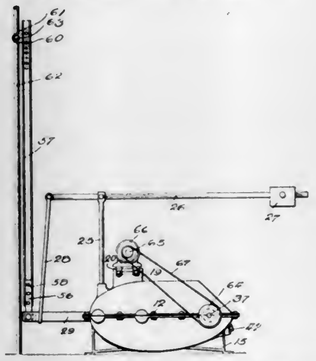
1. In a calculating device of the character described, the combination of an opaque disk having a segmental slot extending from the outer portion thereof nearly to the center thereof and provided adjacent to one of its side edges with a radially arranged series of numbers increasing progressively from the inner toward the outer end of such edge; a disk mounted concentrically with and back of the opaque disk and provided with annular spaces each registering with one of the numbers of said series and each space being provided with equi-spaced graduations, each

representing the same fraction of a unit, the number of graduations in each such space being the product of the denominator of such fraction by the number in the series with which each space registers, and each space being provided with equi-spaced totalizing numbers each representing the product of a multiplier by the number in the series which registers with such space, the second disk having a radial zero line ex-



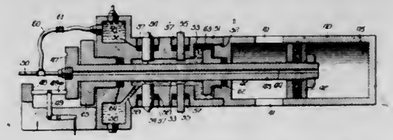
tending across all of the aforesaid annular spaces and having totalizing numbers arranged adjacent to and on opposite sides thereof, said totalizing numbers being located in each of the annular spaces; and a transparent cover for the said slot having a radial reading line located between the edges thereof and extending across all of said annular spaces; one of said disks being rotatable with respect to the other.

2,253,114
PUMP JACK
William C. Everhart, Cherokee, Iowa
Application October 1, 1940, Serial No. 359,285
4 Claims. (Cl. 74—45)



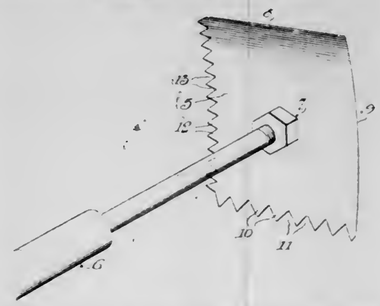
1. In a pump jack, a casing, a motor stand thereon, a motor on said stand, a shaft journaled in the casing driven by said motor, spaced sprocket wheels on the shaft, a second shaft journaled in the casing, spaced sprocket wheels on the second mentioned shaft, sprocket chains engaging the sprocket wheels on the first and second mentioned shafts, a shaft extending through the spaces between the second mentioned sprocket wheels and anchored to said sprocket wheels, a walking beam having a slotted inner end through which the said shaft projects whereby the rotary motion of the wheels oscillates the said walking beam, a standard anchored externally of the casing and extending thereabove, a weighted lever oscillatably mounted on said standard, links pivoted to the outer end of said lever, a counterweight on the lever on the side of the pivot thereof remote from the links, the said walking beam having a bifurcated end, hooks on the lower ends of the links embracing the furcations of the walking beam, each furcation of the walking beam having an opening, a sleeve oscillatably mounted in each opening, an arm on each sleeve extending upwardly from the walking beam, a channel iron attached to each of the arms and extending upwardly, a cross arm attached to the said channel irons having spaced apertured lugs, a pump rod located in the space between the said lugs, and means for pivoting the walking beam thereto.

2,253,115
MECHANICAL GAS PRESSURE DEVICE
Dent Ferrell, St. Petersburg, Fla., and Arthur W. Helmholtz, Harrisburg, Ill.; Karl Helmholtz, executor of Arthur W. Helmholtz, deceased, assignors to Cardox Corporation, Chicago, Ill., a corporation of Illinois
Application February 5, 1934, Serial No. 709,818
13 Claims. (Cl. 102—6)



1. A mechanical gas pressure operated blasting cartridge having a blasting chamber and an auxiliary chamber, a main source of gas supply connected to the blasting chamber, an auxiliary gas supply line leading from said main source to said auxiliary chamber, extensible and retractable cartridge holding and tamping means slidably mounted in the walls of said auxiliary chamber, said holding and tamping means being extensible from the walls of said auxiliary chamber upon the application of pressure from said auxiliary line to said auxiliary chamber, and said tamping and holding means being retractable within the walls of said auxiliary chamber upon the release of pressure therefrom.

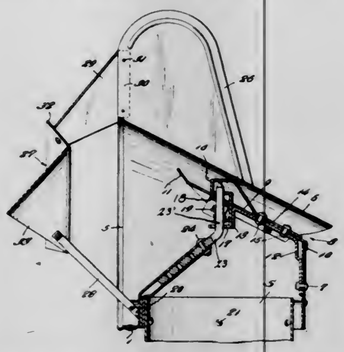
2,253,116
LAWN EDGER
James T. Findlay, Abilene, Kans.
Application August 5, 1940, Serial No. 351,490
1 Claim. (Cl. 97—227)



A lawn edging tool comprising a one-piece rec-

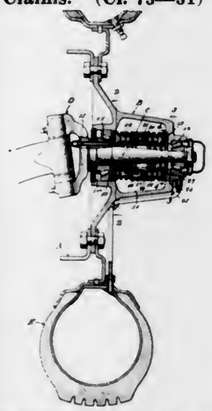
tangular plate, and a straight elongated handle having its front end secured to the center of said plate to permit any edge of the plate to be brought into contact with the ground by rotating said handle, said plate being longitudinally curved and transversely straight and having its concave side disposed rearwardly, one end edge and one longitudinal edge of said plate being plain and being beveled at the front of the plate to provide two plain sharp cutting edges meeting each other at a right angle, the other longitudinal edge of said plate being provided throughout its length with a set of sharply pointed straight-edged relatively small V-shaped teeth and sharply pointed V-shaped notches between and of the same size as said teeth, the other end edge of said plate being also provided throughout its length with a set of sharply pointed straight-edged relatively large V-shaped teeth and sharply pointed V-shaped notches between and of the same size as said relatively large teeth, the teeth of both of said sets being beveled at the front of the plate to provide them with sharp cutting edges, the two teeth at the adjacent ends of said two sets jointly forming a still larger tooth of fish-tail shape and having an obtuse angular cutting edge formed by the outer edges of said two teeth, all of the aforesaid cutting edges being operable by simply pulling the tool with no chopping action and no lateral movement.

2,253,117
COWL
Daniel Friedman, Chicago, Ill.
Application March 8, 1940, Serial No. 323,004
5 Claims. (Cl. 98—70)



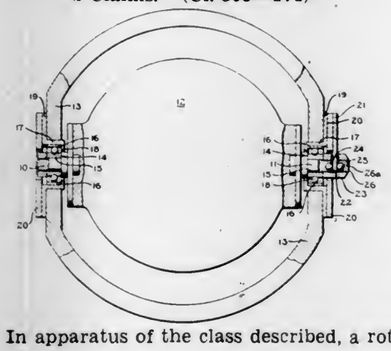
1. A cowl device of the class described comprising a supporting member adapted to be connected to a stack or chimney top, a cowl body rotatably supported from said member and including a large outlet opening at one end and a small inlet opening at the other end, a plate spaced from the top of the cowl and forming a passage between itself and said top which is in communication with the inlet opening; a vane at the top of the cowl for holding the device in a position with the small inlet opening facing the wind and a deflector member at the outlet end of the cowl for preventing air flowing into said outlet opening, means for supporting the deflector member in spaced relation from said end of the body which has the outlet opening therein and said deflector member having its major portion sloping downwardly and away from the body and a flange portion sloping outwardly and upwardly from the top and sides of the major portion.

2,253,118
PNEUMATIC CONNECTION
Samuel S. Gillespie and Max C. Richards, Globe, Ariz.
Application April 23, 1940, Serial No. 331,243
2 Claims. (Cl. 73—31)



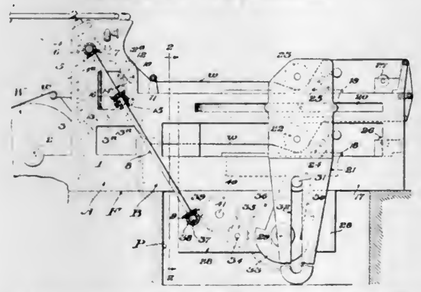
2. In combination with an axle and a hollow hub rotatably mounted thereon, the improved means for coupling a first pneumatic device on the hub with a second pneumatic device on the axle, comprising a first axially extensible and contractible annular bellows rigidly mounted at one end upon and within the hub and its free end extending concentric with the axis of rotation of the hub, a ring-like member rigidly carried on the face of the free end of the bellows and having a laterally extending flange at its outer periphery, a second axially extensible and contractible annular bellows within the hub mounted at one end upon part of and concentric to the axle, a ring-like member mounted rigidly on the distal free end of the second bellows and having an annular flange at its inner periphery adapted to engage the ring-like member of the other bellows and to be engaged by the annular flange of the other bellows, and ball races removably contained within the annular housing formed by the two ring-like members and their flanges.

2,253,119
BEARING MEANS FOR SHAFTS
Johannes Goerth, Berlin-Grunewald, Germany, assignor to Siemens Apparate Und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application July 21, 1939, Serial No. 285,821
In Germany January 3, 1939
2 Claims. (Cl. 308—174)



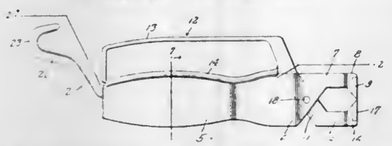
1. In apparatus of the class described, a rotatable element, ball bearings for said element having an inner race and an outer race, one of said races having a continuous cylindrical surface, and an axial thrust bearing having balls coaxial with the center line of said element, said balls being operatively associated with an axial thrust member.

2,253,120
PRINTING PRESS
Wallace H. Granger, San Francisco, Calif., assignor to The Duplex Printing Press Company, Battle Creek, Mich., a corporation of Michigan
Application March 7, 1940, Serial No. 322,791
13 Claims. (Cl. 101—256)



1. A printing press, comprising a paper feeding and delivery unit having web feeding and delivery rolls; and a flat bed travelling cylinder printing unit detachably connected with said first mentioned unit and provided with reciprocating cross-heads carrying the cylinders, and driving mechanism in said printing unit for reciprocating said cross-heads and for rotating the feeding and delivery rolls of the first mentioned unit.

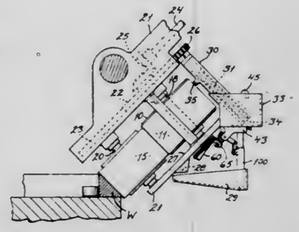
2,253,121
WIRE HANDLING IMPLEMENT
Floyd P. Griffin, Clifton, Tex.
Application April 27, 1940, Serial No. 332,091
2 Claims. (Cl. 140—121)



1. An implement of the character described comprising a handle having a transverse opening adjacent one end thereof, a jaw extending from said end of the handle, a second handle operative adjacent the first-mentioned handle and having a leg member disposed through the transverse opening, a pivotal connection between the leg and the first-mentioned handle at the transverse opening, and a jaw on the leg cooperative with the jaw on the first-mentioned handle.

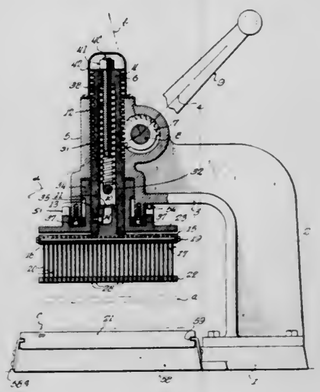
2,253,122
INK CIRCULATING MECHANISM
Edward William Hamant, Dayton, Ohio, assignor to Oxford Varnish Corporation, Detroit, Mich., a corporation of Michigan
Original application September 3, 1937, Serial No. 162,264. Divided and this application August 18, 1939, Serial No. 290,820
6 Claims. (Cl. 101—154)

1. A circulating mechanism for circulating ink graining paste and the like comprising a receptacle adapted to receive a supply of such ink, graining paste or the like, a pump mounted in said receptacle and having a reciprocable member provided with an intake valve, means to move



said member to bring said valve into contact with said receptacle at a point beneath the ink level thereof, and wherein said valve is arranged and adapted to open automatically consequent upon the engagement of said valve with said receptacle.

2,253,123
MEAT TENDERIZING MACHINE
Leo W. Hart, Milwaukee, Wis., assignor to Butcher Boy Corporation, a corporation of Wisconsin
Application August 4, 1938, Serial No. 222,987
9 Claims. (Cl. 17—25)



1. In combination in a meat tenderizing machine, a machine frame, a meat support and a plunger respectively carried by said frame, said plunger being reciprocably mounted in the frame above the meat support, a rotatably mounted knife assembly movable by the plunger toward and from the meat support, an actuator for reciprocating the plunger, a complement of teeth on the knife assembly about the axis of the plunger, a bell-crank lever fulcrumed on the machine frame between the actuator and the knife assembly and having one end engageable by the actuator and the other end engageable with said teeth for automatically indexing the knife assembly about the axis of the plunger in the reciprocation of the plunger in one direction, and means for re-setting the lever with respect to the teeth in the reciprocation of the plunger by the actuator in the opposite direction.

2,253,124

PROCESS FOR THE MANUFACTURE OF PREPARATIONS INFLUENCING THE BLOOD PRESSURE

Max Hartmann, Riehen, and Emil Schlittler, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application October 11, 1938, Serial No. 234,494. In Switzerland October 23, 1937
3 Claims. (Cl. 167—74)

1. A process for the manufacture of preparations of non-dialysable substances capable of depressing the blood pressure and containing a thermo-stable component in particularly high concentration, comprising precipitating urine freed from phosphate by means of a water-soluble salt of a heavy metal which is a member of the group consisting of the metals of the first, second and fourth group of the periodic classification, and then eluting the precipitate with a buffer solution having a pH of about 6–9.

2,253,125

FISHING HOOK, PARTICULARLY FOR THE CATCHING OF BIG FISH

Heinrich Heineke, Hamburg-Altona, and Walter Hauschild, Hamburg-Rissen, Germany

Application April 4, 1940, Serial No. 327,924
In Germany July 26, 1939
2 Claims. (Cl. 43—1)



1. In combination, a fish hook having a tubular shank forming a barrel adapted to contain a cartridge in its lower portion and open for discharge at its lower end, a spring actuated firing pin in the upper part of said shank and projecting above the shank, said firing pin having latch engaging means at its upper end, an eye on the upper end of the shank, a latch member in said eye and pivoted at one side of the eye, said latch member being curved for engagement by the loop of a fish line and engageable with said latch engaging means upon retraction of the firing pin, and a spring between the side of said eye and latch member and resisting releasing movement of the latch member.

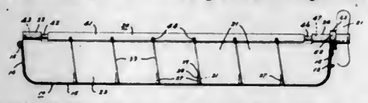
2,253,126

REFRIGERATING APPARATUS

Francis P. Keiper, Washington, D. C., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 7, 1937, Serial No. 157,970
2 Claims. (Cl. 62—108.5)

1. An ice tray organization comprising in combination, a tray having an upstanding rim and a unitary grid structure removably disposed in said tray, said removable unitary grid structure including longitudinal and transverse partitioning walls dividing the interior of the tray into a plurality of ice block compartments, an element operatively connected to said grid structure and extending longitudinally thereof, said element having portions thereof adapted to engage certain walls of said grid structure and being provided with a screw threaded end extending over the rim of said tray, a member threaded upon the screw threaded end of said element and having an integral eccentric portion disposed above



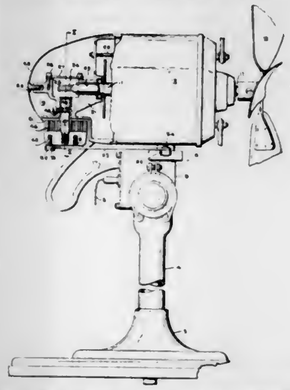
the rim of the tray and normally out of engagement therewith, said member being rotatable relative to said element for moving its eccentric portion into engagement with the rim of said tray to thereby apply force between the tray and grid and cause elevation of said unitary grid structure together with ice blocks adhering thereto relative to the tray, and said member being further rotatable relative to said element for moving the element lengthwise of said grid structure to cause said portions of said element to engage and move said certain grid walls relative to certain other of the grid walls for releasing ice blocks from their compartments.

2,253,127

OSCILLATING FAN

Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 12, 1938, Serial No. 234,519
8 Claims. (Cl. 230—256)



1. In an oscillating fan, the combination of a motor having a rotatable shaft, fan blades driven by the shaft, means for pivotally supporting the motor, a housing carried by the motor, speed reducing means disposed within the housing and including a driven shaft extending downwardly and exteriorly of the housing, a cupped member driven by the shaft and disposed for collecting lubricant discharged from the housing, a second vertical shaft on which said cupped member is mounted, said second vertical shaft being rotatably mounted on said housing in side-by-side relation to the first-mentioned vertical shaft, and a rod pivotally connected to said member and to said supporting means for effecting oscillatory movement of the motor.

2,253,128

COMPOUNDS OF GROUP IV–B ELEMENTS WITH ALPHA-BETA UNSATURATED ACIDS

Carl Martin Langkammerer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 26, 1939, Serial No. 270,240
8 Claims. (Cl. 260—84)

1. A compound of the formula

$$(R—CH=CR'—CO—O)_{x+1}MR^2_y$$

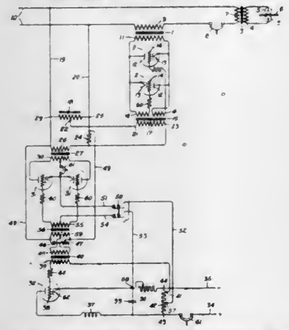
wherein M is an element of group IV–B of the periodic system, R is a member of the class consisting of hydrogen and monovalent hydrocarbon radicals, R′ is selected from the class consisting of hydrogen, halogen and monovalent hydrocarbon radicals, R^2 is selected from the class consisting of hydrogen and monovalent hydrocarbon radicals, x is an integral number from 0 to 3 and $x+y$ equals 3.

2,253,129

CIRCUIT INTERRUPTER

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 7, 1932, Serial No. 585,292
33 Claims. (Cl. 219—4)



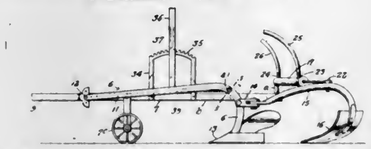
22. Resistance welding apparatus comprising welding electrodes, a source of current, means including an electric valve provided with a control element for supplying current to said electrodes from said source, and means for applying to said control element a bias voltage and a voltage of adjustable frequency, said last mentioned voltage being greater than and opposite in effect to said bias voltage for controlling the conductivity of said valve.

2,253,130

HYDRAULICALLY CONTROLLED PLOW

Perle Mason Lund, Woodlake, Calif.

Application May 9, 1940, Serial No. 334,246
4 Claims. (Cl. 97—137)



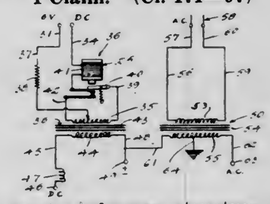
1. A cultivator comprising a frame, a forward plow on the frame, a rearward plow on the frame, and hydraulic means for laterally adjusting the rearwardly disposed plow, said forward plow being provided with a plow beam, said rearward plow being provided with a plow beam and a universal connection between the beams.

2,253,131

COMBINED ALTERNATING-CURRENT-DIRECT-CURRENT TRANSFORMER

Clide MacGregor, Flint, Mich.

Application August 12, 1939, Serial No. 289,840
1 Claim. (Cl. 171—97)



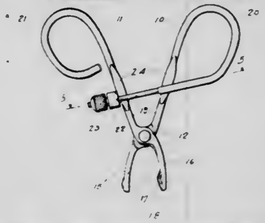
A step-up transformer structure comprising a housing, formed of a pair of side walls, a top wall, a pair of end walls, and a removable bottom wall, a partition between said side walls and engaging said top and bottom walls to thereby divide said housing into a transformer chamber and a vibrator chamber, a pair of transformers in said transformer chamber, a sealing compound enclosing said transformers, a vibrator casing in said vibrator chamber and having an open end spaced from and confronting said bottom wall, a sealing compound in said vibrator chamber, said latter sealing compound being spaced from said bottom wall and flush with the lower open end of said casing, a vibrator structure in said casing and including a plurality of terminals projecting into the space between said latter sealing compound and said bottom wall, input terminals carried by one end wall and connected to said vibrator terminals and to the input sides of said transformers, and output terminals carried by the other end wall and connected to the output sides of said transformers, one of said output terminals being common to both of said transformers.

2,253,132

DENTAL INSTRUMENT

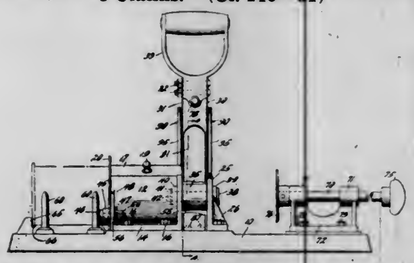
Totten S. Malson, Cleveland Heights, Ohio

Application May 31, 1940, Serial No. 337,991
4 Claims. (Cl. 32—63)



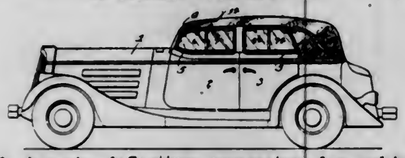
1. A dental instrument embodying a pair of crossed arms pivotally connected to each other, an end portion of said arms having recesses in their opposing faces forming jaws, curved portions on the other end of said arms constituting finger engaging handles, the curved portion of one of said finger handles extending across said arms and constituting a spring, threads on the end of said portion and means mounted on the threaded end for adjusting said jaws and the pressure of said spring.

2,253,133
ASPARAGUS CANNING MACHINE
Theodore C. Massicott, Westminster, Md., assignor to The Sinclair-Scott Company, Baltimore, Md.
Application October 7, 1939, Serial No. 298,459
3 Claims. (Cl. 146—81)



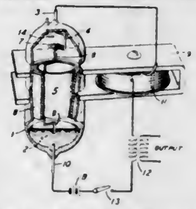
1. In an asparagus canning machine, a base having a central discharge opening therein, a bridge rising from the base and crossing said opening and having an open top cylindrical hole therethru to receive butt ends of asparagus stalks to support same during cutting, a holder having a pivoted lid and provided with a cylindrical opening therethru alined with the bridge opening and supporting the asparagus spears during the cutting off of the butt ends, means on one end of the base for holding a can in alinement with the cylindrical opening thru the holder, a gate pivoted to move between the can and the holder, a pair of knives pivoted to engage one end of the holder and one wall of the bridge, a disk ejector slidably mounted on an axis co-axial with the axes of the can holder and bridge opening, and means for limiting the movement of the disk to a point just beyond the margin of the holder, so as not to crush the tips of the asparagus when moving the asparagus into the can.

2,253,134
AIR DEFLECTING APPARATUS FOR VEHICLES
Willard L. Morrison, Chicago, Ill.
Application April 22, 1933, Serial No. 667,409
10 Claims. (Cl. 296—44)



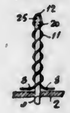
1. An air deflecting apparatus for vehicles, comprising a frame, an air deflector section pivotally mounted in said frame, a support for said frame connected with the bottom thereof, a receiving space into which said frame and deflector section may be moved, a controlling mechanism located below said frame and deflector section for raising and lowering them, a handle for operating said controlling mechanism, a deflector moving mechanism for moving said deflector about its pivotal connection, said deflector moving mechanism located below the deflector section, said handle being connected with the controlling mechanism when it is desired to raise or lower the deflector section, and means for disconnecting said handle from said controlling mechanism and connecting it with said deflector moving mechanism when it is desired to move the deflector about its pivotal connection, said means comprising a longitudinally movable shaft connected with said handle, and a clutch mechanism rendered inoperative when the shaft is moved into engagement with the deflector moving mechanism and operative when the shaft is moved out of operative relation with said deflector moving mechanism.

2,253,135
MERCURY SWITCH
Charles E. Pollard, Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1940, Serial No. 362,306
2 Claims. (Cl. 200—111)



1. The combination in a mercury contact interrupter of a closed vertical envelope having a pool of mercury in the bottom thereof, a cylindrical armature of magnetic material vertically movable therein, a movable terminal comprising two closely positioned parallel sections of wire secured to said armature with its lower end immersed in said mercury pool and its upper end terminating above said armature in a relatively large circular head whose plane is at right angles to the axis of the armature, a stationary contact member above said armature and forming a contact-making surface for said circular head, said parallel wires forming a capillary channel for causing mercury to be transferred from said pool to said contact surface and the surface of said armature, a sealed-in terminal in contact with said mercury and a corresponding sealed-in terminal connected to said stationary contact, electromagnetic means for moving said armature, and a metal-guiding sleeve closely surrounding said armature, said armature and sleeve being treated in such a manner that mercury supplied to said armature will form a closely adhering film between the outer surface thereof and the opposing surface of the sleeve tending to hold said armature in a predetermined position within the sleeve.

2,253,136
ELECTRIC CONNECTING PANEL
Morten Balthazar Richter, Copenhagen, and Willy Romeorenu Schytte, Soborg, near Copenhagen, Denmark, assignors to Telefon Fabrik Automatic A/S, Copenhagen, Denmark, a stockholders company of Denmark
Application March 22, 1939, Serial No. 263,570
In Denmark March 23, 1938
8 Claims. (Cl. 173—324)

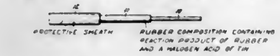


6. A connector adapted to interconnect a plurality of terminals, the said connector comprising a wire having a plurality of soldering loops formed integrally with the wire and arranged at mutual distance along the wire, and a plurality of helically wound wire portions formed integrally with the wire and adjacent each one of said soldering loops.

2,253,137
SYNTHETIC RUBBERLIKE RESINOUS COMPOSITION
John J. Russell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Original application April 12, 1938, Serial No. 201,563. Divided and this application May 24, 1940, Serial No. 337,060
5 Claims. (Cl. 260—36)

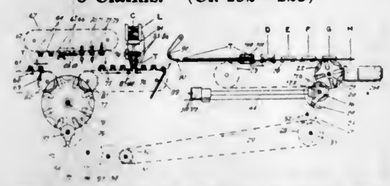
1. A resinous composition comprising a polyvinyl halide plasticized with an ester of a phenyl alkyl alcohol and an aliphatic dibasic acid of the class $C_nH_{2n-2}O_4$, where —*n*— is at least 6.

2,253,138
ELECTRICAL CABLE
Manuel H. Savage, Bridgeport, and Edmund J. Butler, Stratford, Conn., assignors to General Electric Company, a corporation of New York
Application July 29, 1938, Serial No. 221,957
18 Claims. (Cl. 174—120)



1. An insulated electrical conductor in which the insulation comprises a product of vulcanizing an extrudable composition comprising rubber, asphalt, a reaction product of rubber and a halogen acid of tin, and a vulcanizing agent.

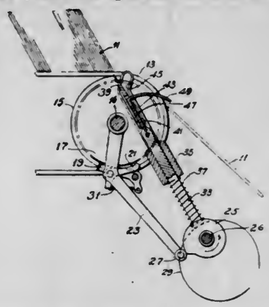
2,253,139
CIGAR PACKING MACHINE
Frank R. Schmitt, Queens Village, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Original application August 28, 1933, Serial No. 687,179. Divided and this application August 26, 1937, Serial No. 160,961
5 Claims. (Cl. 192—125)



1. The combination with mechanism for forwarding simultaneously a group of finished cigars to a transfer point, and therefrom as a group to a predetermined station, of sensing devices constructed and arranged to operate as a group at said station upon said group of cigars, to detect a discrepancy in the predetermined quantity of finished cigars in said group being forwarded, and individual sensing devices constructed and arranged to operate at said station upon the several cigars in said group, to detect local abnormalities in the quality of each cigar in the group, prior to further operation upon said group.

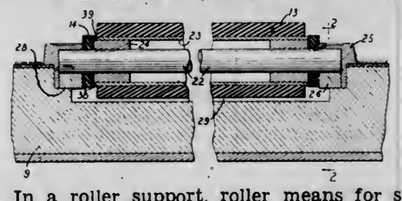
2,253,140
SHEET SEPARATING APPARATUS
William Richard Schmitz, Jr., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 1, 1940, Serial No. 338,441
9 Claims. (Cl. 271—43)

1. A sheet separating apparatus, adapted to remove sheets from a stack of sheets on an advancing conveyor, which comprises blade means for intermittently separating and forcing one or more sheets from said stack, means for inserting said blade means between sheets of said stack, hinge means connecting said blade means to said



inserting means, and means for moving said blade on said hinge means in a direction away from said stack.

2,253,141
RESILIENT ROLLER AND MOUNTING THEREFOR
Earl L. Schofield, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware
Original application November 21, 1938, Serial No. 241,501. Divided and this application March 13, 1939, Serial No. 261,449
11 Claims. (Cl. 193—37)

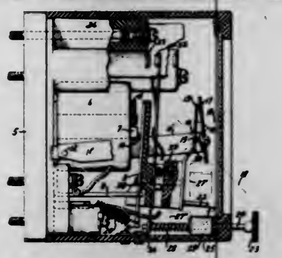


1. In a roller support, roller means for supporting an article for movement relative to said support comprising an elongated axle mounted on said support, a non-yielding elongated roller body comprising a main elongated tubular body member having bushings non-rotatably mounted in the opposite ends thereof and bearing rotatably on the axle whereby said roller body is rotatably supported on said support, a soft rubber covering on said tubular body member terminating in spaced relation to the ends thereof, said roller being movable endwise with respect to said axle, and resilient means concentric with the axle and bearing against opposite ends of the roller body to resist endwise movement thereof with respect to said support.

2,253,142
RELAY
Harold T. Seeley, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application February 24, 1941, Serial No. 380,401
8 Claims. (Cl. 200—87)

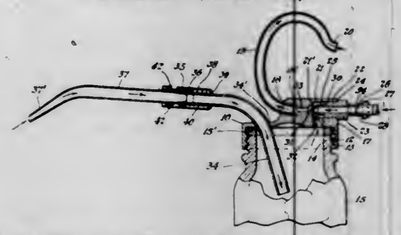
1. A relay comprising a winding, a pivoted armature movable in one direction to the attracted position and biased for movement in the opposite direction to a final position such that a predetermined current in said winding cannot effect movement of the armature to the attracted position, a target carried by said armature, a pivoted member for holding said armature in a position intermediate said attracted and final po-

sitions such that said predetermined current in said winding effects movement of the armature to the attracted position and the release of said member, a drop carried by said member for covering said target when the armature is in the intermediate position and for disclosing the target when the armature is in the attracted and final positions, a stop on said armature engageable by said member on movement of the armature to the attracted position for limiting the movement of said member and for increasing



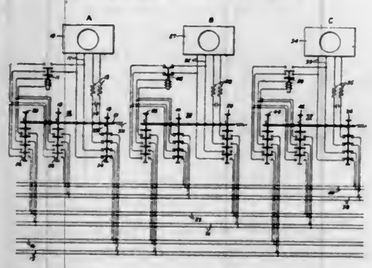
the bias on the armature by the weight of said member and said drop whereby to raise the value of the current necessary to attract the armature from said final position by a given percentage of said predetermined current, and two sets of contacts so controlled by the movement of said armature that both sets are open when the armature is in the intermediate position and one set is closed and the other open when the armature is in the attracted position and vice versa when the armature is in the final position.

2,253,143
DENTAL ASPIRATOR
Harry P. Siegel, Brooklyn, N. Y.
Application August 3, 1940, Serial No. 350,315
1 Claim. (Cl. 32—33)



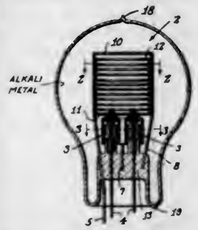
An aspirator unit comprising a receptacle and a cap rigidly secured thereto for one-hand operation, the cap having a generally radial projection molded thereon above the top of the cap, a fluid passage axially of said projection, a fluid pressure supply pipe attached to said projection and passage at the outer end thereof, an exhaust pipe leading from said projection and passage at the opposite end thereof, an injector nozzle formed within said projection substantially axially of said passage for creating suction within said receptacle, a short passage through the top of the cap leading into a space around said nozzle, and a suction inlet pipe arranged in the general plane of said supply and exhaust pipes and entering said receptacle through the top of said cap between an edge and the exhaust end of said projection, said suction inlet pipe being substantially rigidly secured to the top of said cap, said fluid pressure supply pipe extending in the general direction of the axis of said receptacle but spaced therefrom an amount sufficient for the fingers to be conveniently placed between said pipe and receptacle, said pipe and its attachment to the receptacle being rigid enough for the pipe to serve as a support for the receptacle.

2,253,144
COMMUNICATION SYSTEM
Hubert R. Shaw, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application May 23, 1940, Serial No. 336,756
6 Claims. (Cl. 179—31)



1. In an intercommunication system including at least three stations, a pair of line circuits extending between said stations, means for connecting one of said stations normally to one of said line circuits, the other stations being normally disconnected from said one line circuit, means to apply voltage of greater than a predetermined value to the other of said line circuits, means in each other station responsive to voltage on said other line circuit above said predetermined value to connect said other station to said one line circuit, and means to reduce said voltage on said other line circuit after operation of said voltage responsive means to a value below said predetermined value, whereby the corresponding voltage responsive means of a third station is thereafter unresponsive to voltage on said other line circuit to connect said third station to said one line circuit.

2,253,145
GASEOUS CONDUCTION DEVICE
Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Original application May 24, 1926, Serial No. 111,278. Divided and this application March 11, 1937, Serial No. 130,268
2 Claims. (Cl. 250—27.5)

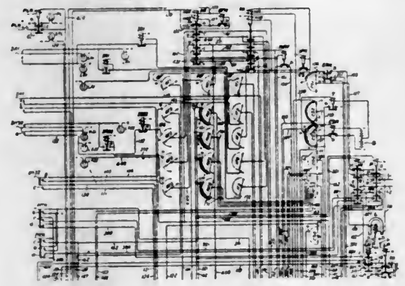


2. In a crater type glow discharge tube, a crater cathode comprising a plurality of parallel disks having alined perforations forming the crater, said disks being spaced to provide a non-restricted discharge region.

2,253,146
METHOD OF SIZING SYNTHETIC LINEAR POLYMER YARNS
Edgar W. Spanagel, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 29, 1938, Serial No. 237,789
18 Claims. (Cl. 28—1)

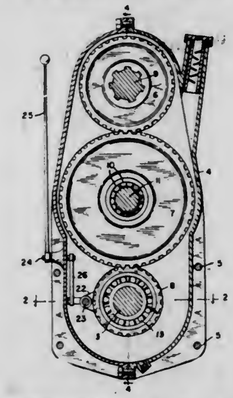
1. A textile yarn comprising filaments of a crystalline synthetic linear polymer taken from the class consisting of polyesters, polyethers and polyamides containing a coating of a sizing composition comprising a compound taken from the group consisting of polymethacrylic acid, an interpolymer of methacrylic acid with acrylic acid, polyacrylic acid, an interpolymer of methacrylic acid with less than 10% of styrene, an interpolymer of methacrylic acid with less than 10% of vinyl acetate and an interpolymer of methacrylic acid with less than 10% of methyl methacrylate.

2,253,147
SUPERVISORY CONTROL SYSTEM
Clyde E. Stewart, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application January 27, 1939, Serial No. 253,126
12 Claims. (Cl. 177—353)



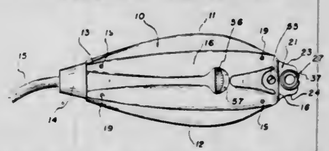
1. In combination, a controlling station, a remote station, line conductors interconnecting said stations, a plurality of apparatus units at said remote station, indicating means at said controlling station individual to and normally indicating the position of each apparatus unit, an individual select key at said controlling station for each apparatus unit, a multiple position finder switch at said controlling station having individual positions allotted to different select keys, means responsive to the operation of a select key for effecting the operation of said finder switch to the position thereof allotted to the operated select key, means responsive to said finder switch being in the position thereof allotted to an operated select key for causing the indicating means of the apparatus unit individual to the operated select key to discontinue indicating the position thereof and for selecting at said remote station the apparatus unit corresponding to the operated select key for operation from said controlling station including means for transmitting over said conductors to said controlling station an indication impulse of a character individual to the position of the selected apparatus unit, and means at said controlling station responsive to said indication impulse for operating the indicating means individual to the operated select key so that it again indicates the position of the corresponding apparatus unit if the proper unit has been selected.

2,253,148
POWER TAKE-OFF MECHANISM
Anthony Tangen, Detroit, Mich.
Application May 31, 1939, Serial No. 276,493
2 Claims. (Cl. 74—11)



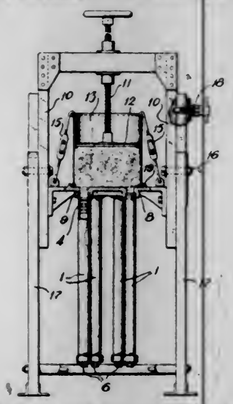
1. In a power take-off, the combination with the clutch and transmission casings of a motor vehicle, of a third casing snugly fitted between and projecting above the two first-mentioned casings, a power take-off shaft journaled in the upper portion of the third casing, a drive shaft extending through the third casing, and establishing a drive connection from the clutch to the transmission, a train of gears in the third casing driving the power take-off shaft from the drive shaft, the initial gear of such train being journaled on the drive shaft to afford free rotation of such shaft within said gear, a clutch within the said third casing including a collar slidable on and driven by the drive shaft to make or break a drive connection to said initial gear, and a lever exteriorly mounted on the third casing and controlling the clutch, and means reacting between said shaft and collar for yieldably retaining the collar in either its idle or driving position.

2,253,149
ELECTRIC RAZOR
Mario Tanzi, Chicago, Ill., assignor to Mid City National Bank, Chicago, Ill.
Application May 10, 1937, Serial No. 141,681
2 Claims. (Cl. 30—43)



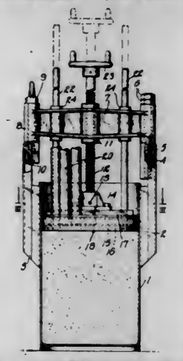
1. A shaving machine comprising a tubular cylindrical elongated shaving head having a single elongated slit defining confronting edges for the reception of hair therebetween, said elongated slit extending for substantially the entire length of said cylindrical shaving head, a tubular cylindrical cutter having a perforated wall slidable relative to said elongated slit for cooperating with the confronting edges thereof, means for oscillating said tubular cutter transversely of said elongated slit to cut hair entering said elongated slit of said shaving head, and means for flexing said cylindrical shaving head to fractionally vary the diameter thereof for wear compensation.

2,253,150
CALKING GUN FILLER
Robert W. Thompson, Flushing, N. Y.
Application August 6, 1938, Serial No. 223,413
3 Claims. (Cl. 221—78)



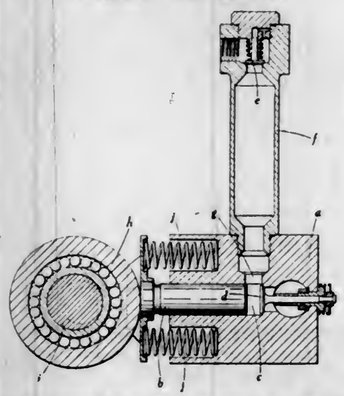
1. In a calking system of the kind described, the combination of a press including a bed plate and having a plunger and adapted for containing a supply of calking paste and having a group of normally open paste outlets in its bed plate, each provided with means for quick attachment to a calking gun barrel for the filling of the latter, and means for pivotally supporting such press so that said outlets may be directed either upwardly or downwardly.

2,253,151
CALKING EQUIPMENT
Robert W. Thompson, Flushing, N. Y.
Application December 6, 1939, Serial No. 307,756
5 Claims. (Cl. 221—79)



1. A calking gun filling machine comprising, a calking paste receiving receptacle, a press plunger working in such receptacle, means to cause the plunger to exert pressure on the paste in such receptacle, one of the pressure faces in contact with the paste being formed with a plurality of sockets adapted for detachable connection to empty calking gun barrels, each barrel-receiving socket providing an unrestricted outlet for the paste into the barrel, of substantially barrel diameter, and being so close together that upon actuation of the plunger the relative movement of paste into the barrels is largely in the direction of the axes of the sockets and lateral paste flow within the receptacle is minimized.

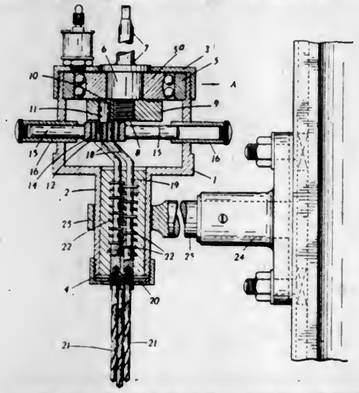
2,253,152
HIGH SPEED RECIPROCATING RAM PUMP
Frank Hathorn Towler and John Maurice Towler, Yorkshire, England
Application August 1, 1938, Serial No. 222,518
In Great Britain August 16, 1937
1 Claim. (Cl. 103—37)



In a reciprocating ram pump, in combination, a pump body, a bore in said body, a ram slidable within said bore, means for reciprocating said ram, a pump chamber at the inner end of said bore, a supplementary chamber extending outwards from said pump body at right angles to said bore, a straight unrestricted passage at the inner end of the supplementary chamber and connecting the interior of said supplementary chamber with the pump chamber, and a valve controlled discharge opening in line with and at the outer end of the supplementary chamber and opposing said straight unrestricted passage whereby the liquid being pumped is caused to pass through said supplementary chamber, the arrangement being such that the supplementary chamber provides, with the pump chamber, a capacity for retaining a body of liquid of such predetermined volume that the same is compressible by the ram to cause the delivery of the pump to decrease proportionately to increase of pressure above the discharge valve until a predetermined maximum pressure is reached, whilst free air within said body of liquid passes freely and in a substantially direct line outwards through the supplementary chamber to the discharge valve for removal with the liquid being pumped.

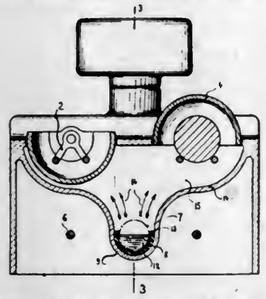
2,253,153
MULTIPLE SPINDLEHEAD FOR DRILLING, TAPPING, REAMING, AND OTHER LIKE OPERATIONS
John Trumble and William Charter Hillman, London, England
Application January 30, 1940, Serial No. 316,296
In Great Britain January 6, 1939
4 Claims. (Cl. 77—22)

1. A spindle head of the type specified comprising a plurality of tool spindles grouped in parallel association, a bent member formed integral with the inner end of each tool spindle, the other end of each bent member having a bearing portion which is eccentric to its associated tool spindle but axially parallel thereto, a head member having a plurality of recesses, which are grouped in the same parallel association as the tool spindles to form rotatable connections with the extremities of said bent members, a reciprocably mounted guide member having a transverse slot in which the head member is slidably mounted, a main driving spindle, and means eccentric to the axis of the main driving spindle forming a driving connection between



said spindle and said head member whereby the rotation of the main driving spindle causes the head member bodily to traverse a circular path and so rotate the tool spindles simultaneously through their bent members.

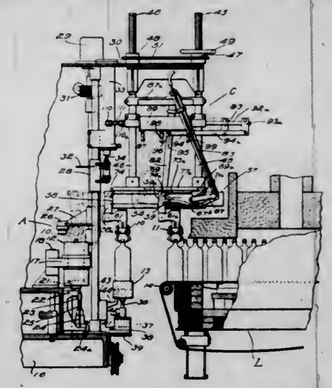
2,253,154
STEAM GENERATOR, PARTICULARLY STEAM COOKING DEVICE
Harry C. Tuttle, New York, N. Y.
Application November 29, 1940, Serial No. 367,703
16 Claims. (Cl. 219—38)



3. A steam generator comprising in combination a stationary water container being adapted to contain the water to be vaporized, means for maintaining the water surface in said container at a constant level, and a resistance coil within said container, said resistance coil being arranged in such a manner that its convolutions are immersed only partially in said water and that they are projecting at a series of points over the constant water level in the container.

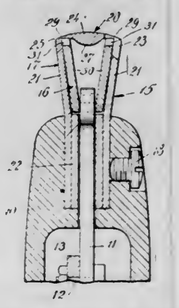
2,253,155
APPARATUS FOR STACKING GLASSWARE
Harold A. Wadman, West Hartford, and Algy J. Smith, Hartford, Conn., assignors to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application March 27, 1939, Serial No. 264,340
14 Claims. (Cl. 49—14)

12. Glassware stacking apparatus comprising two pairs of tongs, a pair of slides for the tongs, means for mounting each pair of tongs on one of said slides for horizontal rotary movements as a unit relative to the slide and about a vertical axis, horizontal guideways in which said slides are mounted, means for reciprocating each of said slides to move each pair of tongs from a takeout position over a mold to a ware cooling position and thence to ware stacking position, a cam operated mechanism for each pair of tongs



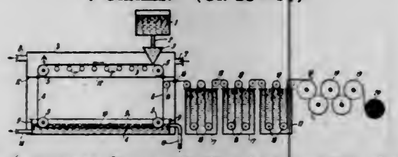
for effecting horizontal rotation thereof about its said vertical axis during movement of the tongs between takeout and ware cooling positions, means for closing each pair of tongs at the takeout position and for opening said tongs at the stacking position, and means for so timing the movements of said slides that the tongs are alternately moved into said takeout position.

2,253,156
SHAVING APPARATUS
William T. Weidenman, Spring Valley, N. Y., assignor to Telephonics Corporation, New York, N. Y., a corporation of New York
Application January 26, 1938, Serial No. 186,914
6 Claims. (Cl. 30—43)



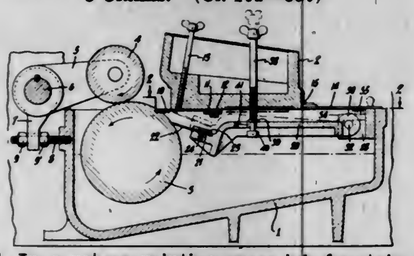
1. In a shaving device, the combination of a substantially rectangular skin-contacting plate having transverse slots forming blades along the opposite longitudinal sides of said plate separated by an imperforate center portion, walls depending from the said opposite sides of said plate and forming therewith a hollow body, a substantially channel-shaped movable cutter within said body having teeth along the edges of its upwardly-extending arms for cooperation with said blades, the said arms of said cutter being resiliently urged apart for intimate frictional engagement with the inner surfaces of said side walls, and means for reciprocating said cutter to shear hairs projected between said blades.

2,253,157
PROCESS FOR PRODUCING CELLULOSE SHEETS AND FILMS
Richard Weingand and Irene Koberne, Bomlitz, near Walsrode, Germany, assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application July 26, 1935, Serial No. 33,244
In Germany June 16, 1934
7 Claims. (Cl. 18—57)



1. A process for producing transparent sheets and films of cellulose formate, which comprises forming a layer of a solution of cellulose formate in formic acid, subjecting the layer to the action of water vapor and hot air to evaporate formic acid from said layer until the layer is non-flowing, the amount of water vapor to which the layer is subjected being sufficient to form a thin superficial deposit of water on the surface of the layer and the amount of water so deposited being insufficient to precipitate cellulose formate, and thereafter precipitating the cellulose formate in said layer.

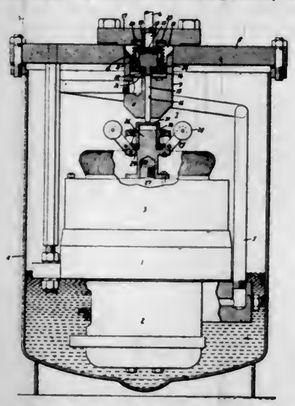
2,253,158
ROTARY PRINTING PRESS INK FOUNTAIN
Emory W. Worthington, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application May 1, 1939, Serial No. 271,001
8 Claims. (Cl. 101—350)



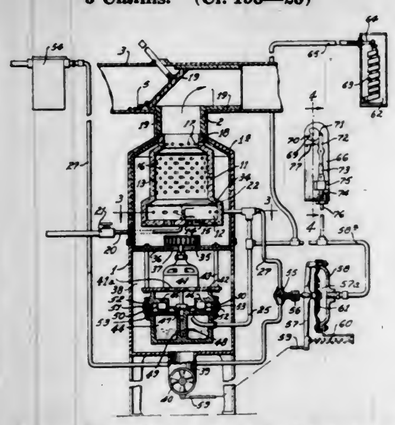
1. In a rotary printing press ink fountain in combination a rotatable fountain roller, a pick-up roller spaced from the fountain roller, means for regulating the thickness of the ink film on the fountain roller, and means for independently removing a portion only of the ink film in page-wide areas along the fountain roller to reduce the thickness of the ink film on the fountain roller below the thickness of the space between the fountain and pick-up rollers.

2,253,159
VACUUM PUMP APPARATUS
Frederick H. Anderson, Schenectady, and Ernest H. Lehman, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application May 25, 1939, Serial No. 275,632
7 Claims. (Cl. 230—29)

1. Control apparatus adapted to connect selectively to an exhaust line and to atmosphere an exhaust pump having a driving motor operatively associated therewith, said control apparatus comprising a valve means having a valve to control the connection of said pump to said exhaust line and a second valve to control the connection of said pump to atmosphere, and a centrifugal device adapted to be rotated by said motor to operate said valves simultaneously.



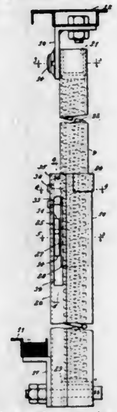
2,253,160
APPARATUS FOR AUTOMATICALLY CONTROLLING FEED OF FUEL TO BURNERS OR FURNACES
Philip S. Arnold, Flint, Mich.
Original application April 16, 1934, Serial No. 720,826. Divided and this application September 9, 1939, Serial No. 294,170
3 Claims. (Cl. 158—28)



1. In an oil burner for use with a furnace having a combustion chamber, a nozzle for discharge of hydrocarbon fuel into the combustion chamber, a fuel line connected with the nozzle, a fuel valve for controlling the flow of liquid hydrocarbon through the fuel line, a compressor for providing air under pressure to the nozzle to cause the liquid fuel to discharge into the combustion chamber in atomized form, and a means for ignition of the fuel, means actuatable by temperature change to vary the position of the fuel valve from an open to a closed position comprising a thermostatic element, a conduit connected with the air line and having an opening to atmosphere, a valve actuatable by the thermostatic element to open or close the said conduit to thereby permit or prevent escape of air from the air line, a spring restrained pressure actuatable means open to the air line and through the air pressure openings

the said valve in the fuel line, the opening or closing of the said valve in the conduit through operation of the thermostat providing a means for varying the air pressure applied to said pressure actuatable means to thereby vary the position of the fuel valve and means actuable by certain high furnace temperature to relieve the air pressure applied to said pressure actuatable means to thereby close the fuel valve.

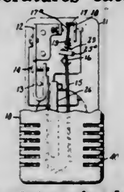
2,253,161
COUNTERBALANCED LID SUPPORT
James T. Atwood, Rockford, Ill.
Application December 31, 1938, Serial No. 248,705
14 Claims. (Cl. 217—60)



12. A device of the character described comprising two arms in telescoping relation with one another, one being pivotally attached at one end to a lid or other hinged member and the other being pivotally attached at its remote end to a receptacle or other support on which the lid is hinged, one of said arms having a hollow longitudinal channel-shaped extension providing spaced longitudinal side walls and a longitudinal connecting wall, an elongated pawl rotatably mounted on a transverse axis on the other arm having two teeth on the opposite ends thereof, said pawl being arranged to move lengthwise of and inside said channel-shaped extension in the reciprocation of said arms relative to one another, said channel-shaped extension having a longitudinal slot provided in one side wall thereof, one end of which is adapted to be engaged by one end of said pawl to support said arms in coextensive telescoping relation with the lid in raised position, either end of said pawl being adapted to project through the slot in the rotation thereof inside said channel-shaped extension, and means providing an abutment for said pawl on the connecting wall of said channel-shaped extension in laterally spaced relation to one end of said slot and on the opposite side of the axis of rotation of said pawl relative to said slot.

2,253,162
REFRIGERATOR CONTROL SYSTEM
Edgar H. Ayers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 28, 1940, Serial No. 321,223
10 Claims. (Cl. 62—4)

1. A refrigerator system comprising walls forming a cooling compartment, cooling means for said compartment, electric control means for said cooling means, temperature responsive means mounted in said compartment and responsive to the temperature of the fluid in said compartment for operating said control means to start and stop said cooling means to maintain a predetermined fluid temperature in said compartment, said temperature responsive means operating to start and stop said cooling means when heated and cooled respectively to high and low operating temperatures each substantially



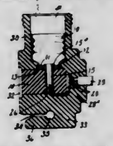
higher than said predetermined fluid temperature, and electric heating means for heating said temperature responsive means to said high operating temperature, said control means including means for controlling said heating means by said temperature responsive means so as to energize said heating means to heat said temperature responsive means when said cooling means is stopped and to reduce the rate of heat generation of said heating means when said cooling means is in operation.

2,253,163
ELECTRIC SOCKET
George B. Benander, Yalesville, Conn., assignor to Monowatt Electric Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 25, 1937, Serial No. 133,012
5 Claims. (Cl. 173—358)



1. In an electric socket, a husk of insulating material open at its lower end, a screw shell in the husk, and a member of plastic material surrounding the outer walls of the lower end of the husk and sealing the open lower end thereof, said member having an integral portion within the husk filling the space between the threads on the outside of the screw shell and the inner surface of the husk.

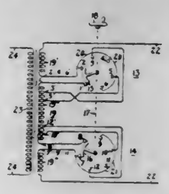
2,253,164
ELECTRICAL CONNECTOR
George B. Benander, Oaklawn, R. I., assignor to Monowatt Electric Corporation, Providence, R. I., a corporation of Connecticut
Application February 1, 1939, Serial No. 254,057
3 Claims. (Cl. 173—334)



1. A socket and receptacle comprising a terminal shell having a base, an insulating plate secured to one end of said shell, a receptacle body of rigid insulating material having spaced passages therein for reception of the contacts of

an attachment plug, contacts of conducting material positioned in said passages, fastening means extending through said plate and said receptacle body to secure the base of said terminal shell to one side of said body, a conductor interconnecting said fastening means and one of said receptacle contacts, and a casing of resilient insulating material enclosing said terminal shell and said receptacle body, said casing having an opening formed in one end communicating with said terminal shell and an opening in one side communicating with one end of said receptacle body.

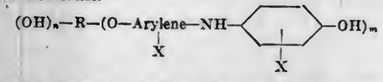
2,253,165
TAP-CHANGING SYSTEM
Oliver H. Beymer, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 8, 1940, Serial No. 322,927
10 Claims. (Cl. 171—119)



1. Apparatus for changing taps over a wide range on one of two closely inductively related transformer windings in such a manner as to produce a minimum distortion of the leakage flux between said two windings as a result of said tap changing, comprising, in combination, a pair of tap-charging switches each having a plurality of relatively fixed contacts and each having a single relatively movable contact for engaging said fixed contacts in a predetermined sequence, said transformer winding having a break between normally serially-connected sections thereof and associated with each one of said switches, a connection between at least one of the contacts of one of said switches and a terminal of one of said winding sections in permanent series-circuit relationship with said transformer winding, individual connections between a plurality of the relatively fixed contacts of said switch and taps on another of said winding sections, a connection between at least one of the contacts of the other of said switches and another terminal of one of said winding sections in permanent series-circuit relationship with said transformer winding, individual connections between a plurality of the fixed contacts of said other switch and taps of another of said winding sections, and a common operating mechanism for driving simultaneously the movable contacts of both of said switches.

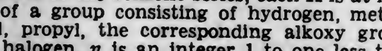
2,253,166
HYDROXYALKYL MONO ETHERS OF P,P'-DIHYDROXY DIPHENYL AMINES AND PROCESS FOR MAKING SAME
Newell M. Bigelow and John Elton Cole, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 24, 1939, Serial No. 258,172
13 Claims. (Cl. 260—571)

1. As a sulfur dye intermediate, a compound of the group consisting of the alkali metal salt of the compound and the compound represented by the formula



in which R is a radical having 2 to 6 carbons of the group consisting of straight chain alkyl, branched chain alkyl and cycloalkyl; Arylene is a radical of the benzene series, each X is at least one of a group consisting of hydrogen, methyl, ethyl, propyl, the corresponding alkoxy groups and halogen, n is an integer 1 to one less than the number of carbons in R, and m is an integer not greater than 2.

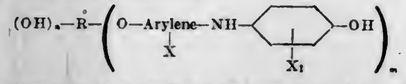
6. The process which comprises mixing a hydroquinone; a condensation catalyst and a compound represented by the formula



in which R is a nucleus having 2 to 6 carbons of the group consisting of straight and branched chain alkylene groups and cycloalkylene groups, Arylene is a radical of the benzene series and X is at least one of a group consisting of hydrogen, methyl, ethyl, propyl, isopropyl, the corresponding alkoxy groups and halogen and n is 1 to one less than the number of carbons in R; and heating said mixture at temperatures between about 170° C. and about 220° C. until condensation has taken place.

2,253,167
SULPHUR DYESTUFF
Newell M. Bigelow and John Elton Cole, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 24, 1939, Serial No. 258,173
10 Claims. (Cl. 260—134)

1. A sulphur dye resulting from the thionation of one of a group consisting of an alkali metal salt of a compound and a compound represented by the formula

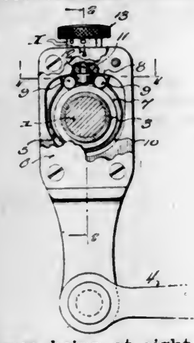


in which R is a radical having 2 to 6 carbons of the group consisting of straight chain alkyl, branched chain alkyl and cycloalkyl; Arylene is a radical of the benzene series; X and X_1 are each at least one of a group consisting of hydrogen, methyl, ethyl, propyl, the corresponding alkoxy groups and halogen; n is 1 to an integer one less than the number of carbons in R; and m is an integer not greater than 2.

3. A sulphur dye resulting from the thionation of one of a group consisting of the compound 4-(beta-hydroxy-ethoxy)-4'-hydroxy-diphenylamine and the alkali metal salts of said compound.

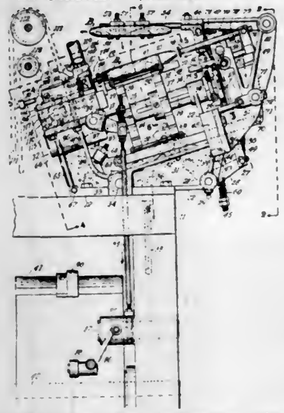
2,253,168
FRICTIONAL CLUTCH
John R. Burbridge, Kenosha, Wis.
Application April 17, 1940, Serial No. 330,011
1 Claim. (Cl. 192—44)

A reversible, frictional clutch comprising, an annular driven member provided with a substantially smooth circumferential surface, an oscillatory arm journaled about said driven member and provided with a recess surrounding said member, a pair of rollers positioned in said recess between said annular driven member and the side wall of said recess, the longitudinal axes of said driven member and clutch members being parallel, a rotatable cam journaled in said arm and disposed between said clutch members, the



axis of said cam being at right angles to the longitudinal axes of said rollers, an arcuate flat spring positioned in said recess and engaging said rollers to normally urge them into operative position, and a cover for said recess.

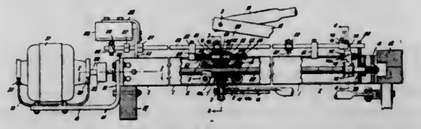
2,253,169
HEAD TRIMMER
Sigurd Clausen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application May 23, 1936, Serial No. 81,402
13 Claims. (Cl. 131—91)



7. A mechanism for bringing cigar bunch heads to final shape, comprising a support, a slide member carried on said support and adapted to move to and from bunches to be shaped, bunch head treating devices carried by said member including a bunch softening tool, and a bunch head trimmer, means for rotating said trimmer to remove excess tobacco from heads of bunches and reduce them to final form, and means to automatically actuate the softening tool to soften a bunch during the trimming operation.

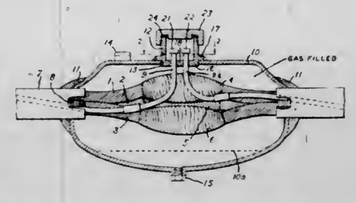
2,253,170
DOOR OPERATING MECHANISM
George W. Dunham, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application August 25, 1939, Serial No. 291,925
2 Claims. (Cl. 172—239)

1. In combination, a screw adapted to be rotated by a reversible single-phase induction motor of the type having a control for opening its starting circuit upon reaching a predetermined speed, a drive nut on the screw, spring means for resisting the end thrust of the screw and permitting endwise movement of the screw under the end thrust, a reversing switch in the starting circuit for controlling the direction of rotation of the motor, a supply circuit for the motor, means for first operating the reversing switch and then opening the motor circuit at the limits of travel of the nut, means for closing the



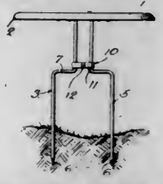
motor circuit to initiate the movement of the nut from each of its limits, and means responsive to endwise movement of the screw under end thrust of greater than a predetermined amount but less than that required to reduce the motor speed sufficiently to cause closure of the starting circuit at points intermediate the limits of travel of the nut for operating the switch to condition the motor for rotation in the reverse direction whereby the direction of movement of the nut is reversed upon encountering an obstruction which reduces the motor speed sufficiently to cause closure of the starting circuit.

2,253,171
GAS CABLE INSTALLATION
Frank W. Engster, Mount Vernon, N. Y., assignor to General Electric Company, a corporation of New York
Application June 6, 1940, Serial No. 339,133
4 Claims. (Cl. 174—21)



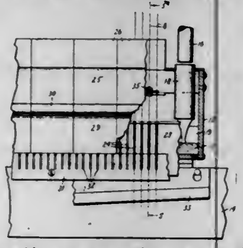
1. A cable installation comprising lengths of gas filled sheathed cable, each length having compound impregnated insulated conductors, free feed channels for conveying gas and also compound oozing from the insulation, and a solid wall tube for by-passing any compound collected in the channels, the tube containing gas under positive pressure, joints between adjacent conductor lengths, a chambered casing enclosing the joints and sealed at its ends to adjacent sheaths and into which the channels open, a chambered fitting secured to the wall of the casing, both of the tubes of adjacent lengths terminating and sealed in place within the fitting and having normally open ends permitting gas to flow through the chamber from one tube to the other in series relation, a removable cap for the open end of at least one of the tubes whereby communication between them through the chamber of the fitting is prevented, a controllable port in the fitting through which gas may flow between the chamber of the fitting and that of the casing, and a closure for the fitting.

2,253,172
TABLE
Oscar B. Fetterman, Washington, D. C.
Application January 11, 1941, Serial No. 374,114
5 Claims. (Cl. 311—109)



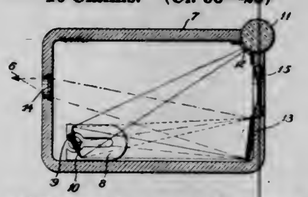
1. In a support for a table top, leg members, each of said leg members comprising an inverted U-shaped member, the crown portion thereof being disposed laterally and adapted to underly the table top and be secured thereto, means operatively associated with the lower ends of the legs of each inverted U-shaped member for insertion into the ground, and means carried by the intermediate portions of the legs for driving the first mentioned means into the ground.

2,253,173
WIRE COATING APPARATUS
Edward J. Flynn, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 29, 1939, Serial No. 264,776
5 Claims. (Cl. 91—32)



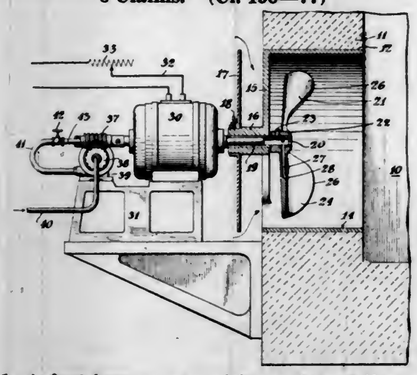
3. Wire coating apparatus comprising a receptacle containing a bath of substantially quiet coating material, means for supplying the material thereto, means for maintaining constant the depth of said bath, and means for drawing said wire through said bath, said receptacle having a side provided with an upwardly opening slot through which the wire may be passed by a transverse movement to and from its coating position.

2,253,174
MEASURING INSTRUMENT
Ulrich R. Furst, Brookline, Mass.
Application January 13, 1940, Serial No. 313,766
16 Claims. (Cl. 88—23)



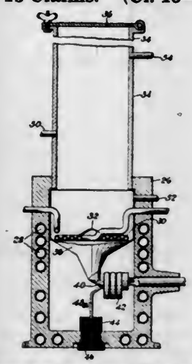
1. A galvanometer comprising a stationary reading member including a light converging optical system and having a reading surface provided with at least one fiducial mark, a stationary indicating mark, a turnable mirror indicator adapted to project the image of said stationary indicating mark on various points of said reading surface, said reading member positioned and shaped in such a manner as to collect all light beams originating at said indicating mark and projected on various points of said reading surface, into substantially one point in which the observer's eye may be located.

2,253,175
FUEL BURNER
Arthur Steven Gerquest, Ridgewood, N. J.
Application October 19, 1940, Serial No. 361,823
8 Claims. (Cl. 158—77)



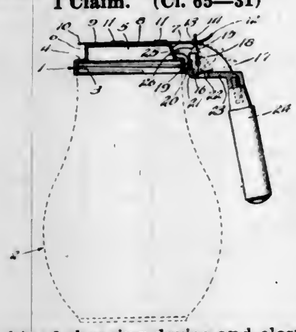
1. A fuel burner comprising a fan of the propeller type having blades adapted to induce an axial flow of air and to discharge said air forwardly, means driving said fan, fuel supply means including ducts rotating with said fan and terminating in the forward surface of said blades in a position to supply fuel directly onto said surface and to cause the same to form a film thereon in contact with the air induced by rotation of said blades, whereby a combustible mixture forms on the surface of said blades for burning thereon, said fan being positioned and arranged to discharge the burning combustible mixture axially.

2,253,176
METHOD AND APPARATUS FOR PRODUCTION OF STRUCTURES
George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 9, 1938, Serial No. 223,597
13 Claims. (Cl. 18—8)



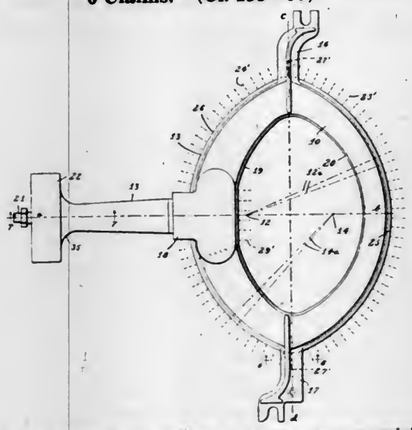
1. In an apparatus for the melt spinning of structures from an organic filament-forming composition, a grid having a plurality of openings therein, means for heating said grid to a temperature above the melting point of said composition, means for feeding solid particles of said composition on to said grid, means for collecting the liquid molten composition in the form of a pool, and pumping means for forcing said composition to a spinning unit.

2,253,177
COMBINED SHEARING DEVICE AND CLOSURE FOR LIQUID DISPENSERS
Edward Richard Hacmac, Hollywood, Calif., assignor to Na-Mac Products Company, a corporation of California
Application October 24, 1938, Serial No. 236,661
1 Claim. (Cl. 65—31)



A combined shearing device and closure adapted for mounting on a container to dispense the liquid contents thereof, a dispensing spout having an arcuate stationary drip shearing edge, a resilient, slidably mounted drip cutting blade adapted to slide directly across said edge to open and close said spout and shear the liquid therefrom, the rear portion of the blade extending rearwardly of the device and being raised to provide an operating trigger, a slot in said blade, and a spring pressed lever having a portion projecting through said slot, said blade being sufficiently flexible to follow the arc of travel of the lever as and for the purpose set forth.

2,253,178
OVEN BURNER FOR GAS RANGES
John F. Hennessy, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application June 4, 1938, Serial No. 211,763
6 Claims. (Cl. 158—99)



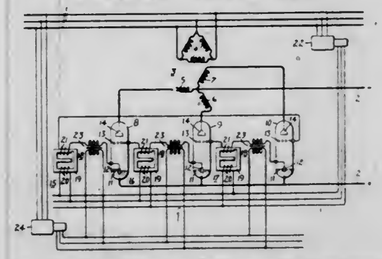
1. An oven burner for a gas range comprising a generally oval shaped tubular body the outer peripheries of opposite sides of which are struck on arcs intersecting at opposite ends of the major axis of the body, the arms being on substantially equal radii that are nearly as long as the minor axis of said body and struck from spaced points on said minor axis near the opposite ends thereof, and a mixing tube connected to said body, both arcuate outer peripheries having ports provided in equally laterally spaced relation therein, the ports in each periphery being on radial lines from the center of the arc thereof so that all adjacent ports are in divergent relation on small included angles.

2,253,179
SUBSTITUTED HYDROAROMATIC AMIDES
Winfrid Hentrich, Dusseldorf-Reisholz, Germany, Carl Albert Lainau, deceased, late of Dusseldorf, Germany, by Adolf Bartholomaus, administrator, Dusseldorf, Germany, and Wilhelm Jakob Kaiser, Dessau, Germany, assignors, by mesne assignments, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application October 2, 1937, Serial No. 167,014. In Germany October 3, 1936
16 Claims. (Cl. 260—507)

1. The process which comprises reacting a cycloaliphatic amine having at least one hydrogen atom attached to the nitrogen atom and containing at least one side chain of at least 6 carbon atoms attached to the cycloaliphatic nucleus with an acid compound adapted to form an amide selected from the group consisting of carboxylic acid amides and sulfonic acid amides, whereby an amide of the substituted cycloaliphatic compound is obtained.

4. As new compounds, cycloaliphatic amides having at least one side chain of at least 6 carbon atoms attached to the cycloaliphatic nucleus, the acyl radical of the amide selected from the group consisting of carboxylic acid and sulfonic acid radicals and containing at least one hydrophile group therein.

2,253,180
ELECTRIC VALVE EXCITATION CIRCUITS
Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 1, 1939, Serial No. 293,076
8 Claims. (Cl. 175—363)



1. In combination, an alternating current circuit, a direct current circuit, electric translating apparatus connected between said circuits and comprising an inductive network including a plurality of electrically displaced windings and a plurality of electric valves of the type employing an ionizable medium and each associated with a different one of said windings and each comprising an anode, a cathode, an immersion-ignitor control member associated with the

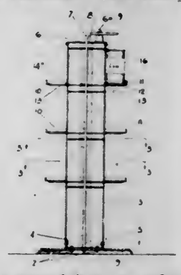
cathode and means insulated from said cathode for establishing a conducting path to said cathode through said medium when said medium is ionized, and a plurality of means for supplying to the control members periodic impulses of unidirectional current and each comprising a source of current including a winding having one terminal in circuit with the control member of the associated electric valve and having the other terminal connected to the insulated means of that electric valve preceding it in the order of phase rotation.

2,253,181

RACK WITH MEANS FOR SECURING THE CONTENTS

Jones S. Jordan, Chester Heights, Pa.

Application July 5, 1940, Serial No. 344,061
6 Claims. (Cl. 211—8)



1. A rack, comprising a column, a shelf secured to said column and having means to prevent the direct lateral displacement of an article therefrom, an angularly oscillatable locking disc carried by said column, and a manually actuable member extending upwardly through said column for shifting said locking disc into and out of vertical alignment with an article carried by said shelf.

2,253,182

GERMICIDAL PREPARATION

Emil Klarmann, Jersey City, N. J., assignor to Lehn & Fink Products Corporation, a corporation of Delaware

No Drawing. Application July 28, 1939, Serial No. 287,113
16 Claims. (Cl. 167—25)

1. A germicidal preparation having an enhanced bactericidal effectiveness comprising an aqueous dispersion of a germicidal substance of the class consisting of alpha-terpineol and pine oil and a halogenated phenolic body having germicidal properties.

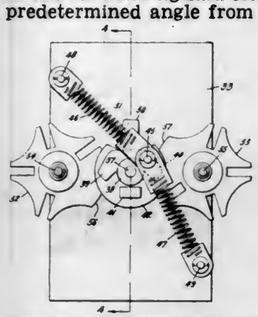
2,253,183

SPRING DRIVE MECHANISM

George E. Le Count, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application September 5, 1940, Serial No. 355,476
5 Claims. (Cl. 74—100)

1. A spring drive mechanism for a pair of reversible driven devices comprising a Geneva gear adapted to be connected to each of said devices, a Geneva gear driver arranged between said gears for cooperatively engaging therewith to alternately operate said devices from one position to the next, a crank member for actuating said driver, a power spring attached to said crank member to bias said crank member in either of two angularly opposite neutral positions, and means for rotating said crank member through a predetermined angle from one of said



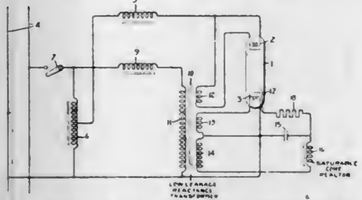
positions whereby said crank member may then be snapped to the opposite neutral position by said spring.

2,253,184

ELECTRIC DISCHARGE APPARATUS

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 31, 1940, Serial No. 355,044
4 Claims. (Cl. 176—124)



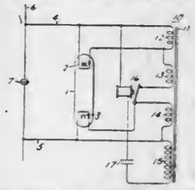
1. In combination, an electric discharge device having spaced electrodes arranged to be connected with a source of alternating current supply, means for initially heating one of said electrodes by passing current therethrough and means including a non-linear resonant circuit responsive to a predetermined change in the resistance of said one electrode as it becomes heated for applying a starting voltage to said device.

2,253,185

ELECTRIC DISCHARGE APPARATUS

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 31, 1940, Serial No. 355,045
6 Claims. (Cl. 176—124)



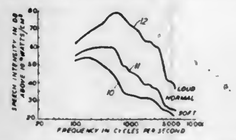
3. In combination, an electric discharge lamp having filamentary electrodes, means for connecting said lamp in a constant current circuit, means for passing the current of said circuit in series through said electrodes to initially heat them, and means responsive to the increase in voltage applied to said lamp due to the heating of said electrodes and the properties of said circuit for opening the circuit between the electrodes.

2,253,186

SOUND CHARACTERISTIC CONTROL

Donald P. Loye, Beverly Hills, and Kenneth F. Morgan, Los Angeles, Calif., assignors to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware

Application April 13, 1939, Serial No. 267,544
6 Claims. (Cl. 179—1)



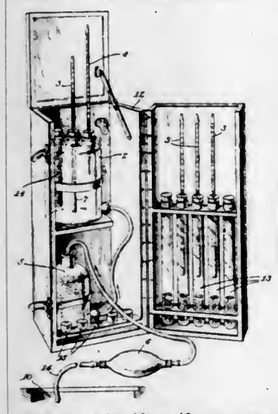
1. The method of causing the quality of sound produced by a living organism at a certain energy level to simulate the quality of the same sound if it had been produced at a different energy level, which consists in converting the sound into correspondingly varying electrical currents, selectively equalizing the currents over a selected portion of the frequency range to cause the relative energy distribution over said portion to approximate the relative distribution that would have existed if the same sound had been produced at the different energy level, and reconverting the resultant equalized electrical variations into sound.

2,253,187

TESTING GAS FOR THE DETECTION OF CARBON MONOXIDE

Adolph Z. Mample, Glen Rock, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application July 6, 1937, Serial No. 152,181
3 Claims. (Cl. 73—51)



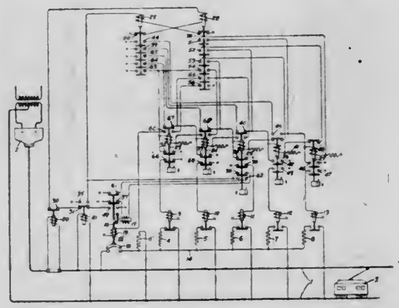
1. A method of detecting the presence of carbon monoxide below the combustible range in the atmosphere or gaseous medium of a confined space which comprises dehydrating a sample portion of the atmosphere taken from said confined space, equalizing the temperature of said portion to that of the prevailing atmospheric temperature outside of said confined space, filling a container with said dehydrated temperature-equalized portion from said confined space, introducing into said container a test thermometer having its fluid containing bulb provided with a covering of platinum black, sealing said container and noting any change in the reading of said thermometer due to adsorption of carbon monoxide by the platinum black.

2,253,188

SYSTEM OF ELECTRIC DISTRIBUTION

Gordon R. McDonald, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application April 25, 1941, Serial No. 390,362
8 Claims. (Cl. 171—97)



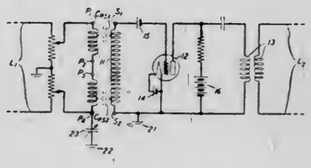
8. In combination, a distribution circuit, rectifier means for supplying current to said circuit, a load connected to said circuit capable of supplying regenerative current to said circuit, a plurality of resistors, means for connecting a predetermined number of said resistors in parallel when none of said resistors is connected across said circuit, quick acting switching means for effecting the simultaneous connection of said parallel connected resistors across said circuit and for thereafter quickly connecting additional resistors in a predetermined sequence across said circuit in response to the voltage of said circuit exceeding a predetermined value, and time delayed means dependent upon the voltage of said circuits being below a predetermined value and the current supplied from said rectifier exceeding a predetermined value for disconnecting said resistors from said circuit in a predetermined order.

2,253,189

TRANSMISSION DEVICE

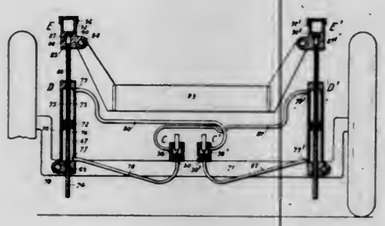
Eugene B. Mechling, Scarsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 18, 1940, Serial No. 314,506
9 Claims. (Cl. 178—44)



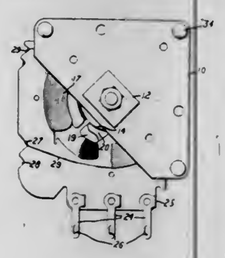
8. In a transformer having a primary winding and a secondary winding, said secondary winding being subjected to the passage therethrough of longitudinal currents resulting in an impedance drop therein, means for establishing an independent flow of longitudinal currents through said primary winding to ground resulting in an impedance drop therein, the magnitude of said last-mentioned impedance drop being substantially the same as that of the first-mentioned impedance drop and its direction being opposite to that of the first-mentioned impedance drop.

2,253,190
SUSPENSION OF VEHICLES
Paul Henri Mistral, Paris, France
Application January 14, 1939, Serial No. 250,882
In France January 19, 1938
6 Claims. (Cl. 280—124)



1. Hydraulic damping device especially for vehicles in which two-chambered dampers have the first chamber in each connected to the second chamber in the other and which have a hydraulic circuit and a braking member for braking the liquid in one direction of movement of the latter in said circuit, said braking member being capable of adjustment for the purpose of introducing a greater resistance to the circulation of the liquid in said one direction and simultaneously also limited increase of the resistance of the circulation of the liquid in the other direction which is much lower than the first mentioned resistance and vice versa, the hydraulic circuit preferably having also a gravity tank in communication with said circuit, and means for interrupting said communication between said circuit and said gravity tank during any periods of time in which an excess pressure obtains in said circuit.

2,253,191
DYNAMOELECTRIC MACHINE
Wayne J. Morrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application September 19, 1939, Serial No. 295,623
11 Claims. (Cl. 171—252)

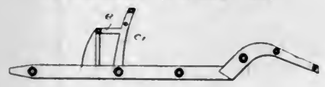


1. A dynamo-electric machine including a stationary member having a core member and a coil member, a rotatable member adapted to react electrodynamically with said stationary member, and means including insulating members longitudinally disposed of said core member for insulating said coil member from said core member, said insulating members forming a support for two sides of said coil member the other sides thereof forming spans between the edges of said insulating members.

2,253,192
METHOD OF DRESSING AND TREATING FURS
Oscar F. Muller, Glen Ridge, N. J., and Robert G. Schwarz, Jr., Brooklyn, N. Y., assignors to Dri-Wear, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 4, 1938, Serial No. 199,978
5 Claims. (Cl. 149—28)

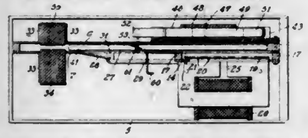
4. A process of treating furs, by treating same with a solution containing phthalic anhydride and furfuryl alcohol at a temperature of 85–90° F. so as to form furfuryl phthalate in or upon the surface of the material so treated.

2,253,193
CHASSIS FOR VEHICLES, ESPECIALLY TUBULAR CHASSIS FOR MOTOR VEHICLES
Laurenz Niessen, Stuttgart-Bad Cannstatt, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application January 19, 1939, Serial No. 251,661
In Germany April 12, 1938
14 Claims. (Cl. 296—28)



1. Vehicle chassis of the type having tubular longitudinal girders, comprising a frame forming the front wall of the vehicle body and consisting of two U-shaped hollow section framework stays or members spaced apart, and stiffening struts interconnecting said framework members, said members at their side ends being rigidly united with said longitudinal girders so that the resulting framework thus forms a homogeneous rigid system with the chassis of the vehicle.

2,253,194
MEANS FOR DIFFERENTIALLY SELECTING COINS, TOKENS, AND THE LIKE
Clifton W. Nixon, New York, N. Y.
Application February 11, 1939, Serial No. 255,799
3 Claims. (Cl. 194—100)

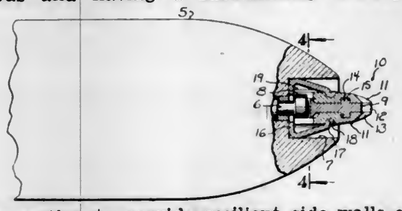


1. In combination with a structure having a coin pathway, an electro-magnet mounted adjacent to said pathway, constructed to produce within said pathway, when said magnet is energized, a magnetic field of such intensity that a legal non-ferrous coin approaching said field is responsively influenced and the movement of said coin first arrested and then positively reversed in said pathway, while spurious non-ferrous metal coins or tokens continuously move in one direction through the magnetic field.

2,253,195
ELECTRIC SHAVER
John Oster, Racine, Wis., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application March 31, 1939, Serial No. 265,244
6 Claims. (Cl. 30—43)

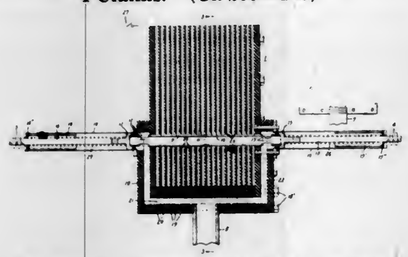
1. In a shaver of the character described: a

movable cutting blade having a toothed edge portion; toothed guards overlying the opposite side faces of the movable cutting blade, said toothed guards having shoulders on their outer faces between and parallel to their outer toothed edges and their inner edges; and a spring member disposed over the inner edges of the toothed guards and having a substantially U-shaped



cross section to provide resilient side walls engageable with the shoulders on the toothed guards to detachably maintain the guards and the movable cutting blade assembled as a unit and exerting an inward clamping force on the guards so as to provide the tension necessary for proper cutting action at opposite sides of the movable cutting blade.

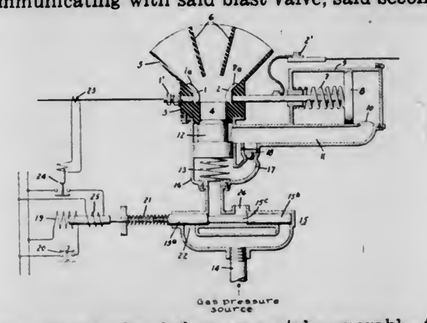
2,253,196
GAS BLAST ELECTRIC CIRCUIT BREAKER
William E. Paul, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 28, 1940, Serial No. 358,847
4 Claims. (Cl. 200—148)



1. An electric circuit breaker of the gas blast type comprising relatively movable tubular contacts for directing a gas blast in opposite directions substantially axially of said contacts so as to meet and traverse the arc at the point of contact separation, and arc extinguishing baffle structure composed of insulating material arranged completely to surround the aforesaid arc and to form radially diverging blast venting passages leading from the exhaust ends of said tubular contacts.

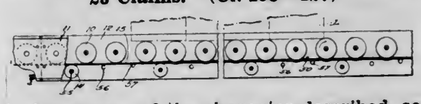
2,253,197
FLUID BLAST CIRCUIT BREAKER
David C. Prince, Swarthmore, Pa., assignor to General Electric Company, a corporation of New York
Application November 3, 1938, Serial No. 238,631
3 Claims. (Cl. 200—148)

3. A gas blast circuit breaker comprising separable contacts, means forming a blast passage to said contacts, means for storing blast energy including a gas reservoir, a blast valve for controlling admission of gas from said reservoir to said blast passage, a main source of gas pressure, and a second mechanically separate valve means independent of said blast valve for controlling communication between said source and said reservoir to permit storage of blast energy in said reservoir, means forming a gas passage communicating with said blast valve, said second



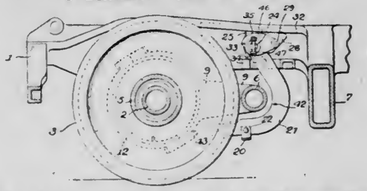
valve means also being separately operable to open said last mentioned gas passage to cause opening of said blast valve.

2,253,198
CONVEYER
John Emmet Regan, Syracuse, N. Y., assignor to The Lamson Company, Incorporated, Syracuse, N. Y., a corporation of Massachusetts
Application February 9, 1940, Serial No. 318,156
23 Claims. (Cl. 198—127)



1. A conveyer of the character described, comprising a longitudinal series of load-supporting rollers, means mounting said rollers for rotary movement, and means for imparting a succession of driving impulses to the rollers of the series.

2,253,199
BRAKE SAFETY HANGER
Gordon W. Sabold, Fort Washington, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 20, 1940, Serial No. 314,746
9 Claims. (Cl. 188—210)

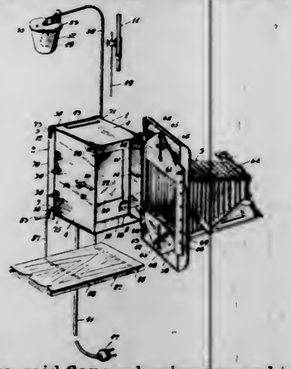


1. A wheel truck having a brake mechanism including a brake supporting yoke, a hanger pivoted on the truck, said hanger having a bent end movable into a position below and spaced from said yoke when swung about its pivot in one direction, and means for securing the hanger in said position.

2,253,200
PHOTOGRAPHIC ENLARGING AND PRINTING MECHANISM
Abraham Wolfson, New York, N. Y., assignor of one-fourth to Carl Mur and one-fourth to Ysak Pessell, both of New York, N. Y.
Application February 4, 1939, Serial No. 254,523
11 Claims. (Cl. 88—24)

2. An image transferring device comprising, in

combination, a supporting bracket adapted to be secured to a wall, a boxlike structure mounted on said bracket having an open end adapted to permit insertion and removal of a negative supporting frame and having means therein adjacent the opposite end thereof for illuminating said open end, an open ended adjustable negative supporting frame with relatively wide inwardly extending flanges at the edges thereof in said box-



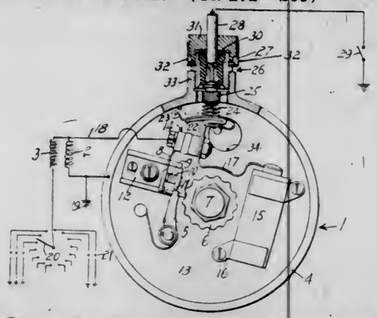
like structure, said flanges having secured to their exterior surfaces a strip of felt or the like to minimize passage of light between said flanges and the outer box-like structure and to assist in guiding said frame during adjustment thereof, a translucent member carried by said frame adapted to form a backing for a negative, and negative retaining means on said frame adapted to support a negative in proximity to said translucent member.

2,253,201

MAGNETO WITH PROTECTIVE MECHANISMS

Wolfgang E. Schwarzmann, Longmeadow, and Charles Strniste, Agawam, Mass., assignors to American Bosch Corporation, Springfield, Mass., a corporation of New York

Application December 7, 1940, Serial No. 369,028
12 Claims. (Cl. 171—209)



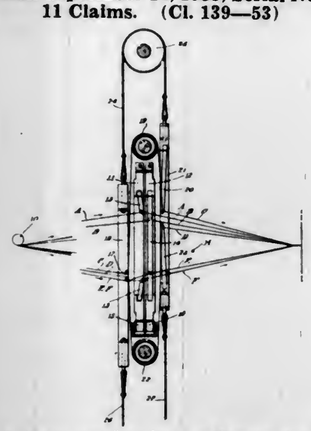
1. In combination, a magneto having a permanently connected circuit normally operative to generate ignition voltages, a disabling circuit which is effective to render the magneto inoperative by rendering the generating circuit electrically incapable of such generation and which includes an automatic switch automatically operative to a position to render the disabling circuit effective, and a removable part normally fastened to the magneto and having means which upon removal of the part from its normal position releases the switch for its automatic operation and which upon restoring the part to its normal position automatically renders the switch inoperative and thereafter keeps it inoperative, whereby removal of the part automatically renders the magneto inoperative and maintains it in that inoperative condition until the part is restored.

2,253,202

SPECIAL LOOM HARNESS AND TENSION EASING MECHANISM FOR WEAVING A TUBULAR BAG WITH A THREE END LENO WEAVE

William W. Arnold, Jr., Knoxville, Tenn., assignor to Callaway Mills, La Grange, Ga., a corporation of Georgia

Application September 14, 1938, Serial No. 229,882
11 Claims. (Cl. 139—53)



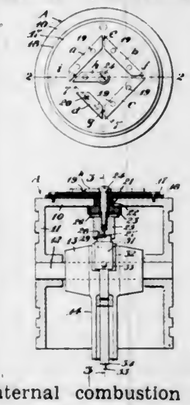
1. In a loom mechanism, a frame for shifting a warp thread across the path of a shuttle, supply means for said warp thread, a second frame spaced from the first between it and said supply means, an eye on said second frame through which said warp thread is passed, means mechanically connecting said frames for moving them substantially equally and oppositely, an eye on the first frame through which said thread is passed, a pulley located intermediate said frames outside the path of movement of said eyes and around which said thread is passed to maintain the tension substantially uniform on the thread.

2,253,203

INTERNAL COMBUSTION ENGINE PISTON

Anthony J. Di Lucci, Los Angeles, Calif., assignor of one-half to Sydney J. Levy, Los Angeles, Calif.

Application June 4, 1940, Serial No. 338,739
5 Claims. (Cl. 123—148)



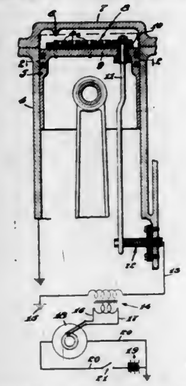
1. In an internal combustion engine piston having an end wall, a series of electrically conductive elements on said end wall insulated therefrom arranged with adjacent of said elements spaced apart to form spark gaps therebetween, electrically conductive means connecting with end elements of said series, including one insulated from said piston and one grounded to said piston.

2,253,204

INTERNAL COMBUSTION ENGINE IGNITION SYSTEM

Anthony J. Di Lucci, Los Angeles, Calif., assignor of one-half to Sydney J. Levy, Los Angeles, Calif.

Application July 30, 1940, Serial No. 348,401
4 Claims. (Cl. 123—148)



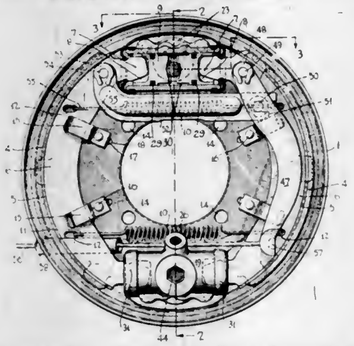
1. In an internal combustion engine, a cylinder, a piston operable therein, electrodes respectively mounted in the upper end of the cylinder and on the upper end of the piston so as to form a spark gap due to close proximity of one electrode to the other only when the piston substantially reaches the end of its up-stroke, one of the electrodes being grounded to the metal of the engine, and means for charging the other electrode with a high tension electrical current; one of said electrodes comprising a series of spaced electrode sections which form a series of spark gaps.

2,253,205

HYDRAULIC BRAKE

Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 19, 1939, Serial No. 285,268
9 Claims. (Cl. 188—152)



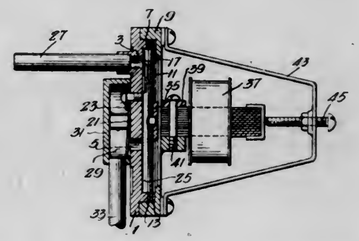
1. A brake comprising a rotary element, a pair of brake shoes adapted to be forced aaginst said element, a relatively stationary cylinder having two pistons therein, whereby they will move in opposite directions when fluid under pressure is admitted into the cylinder, between said pistons, means operatively connecting each piston to a corresponding one of said brake shoes, whereby such movement of the pistons will cause the shoes to be forced against the rotary brake element, means for returning the shoes to inoperative position and manually adjustable anchor means carried by the cylinder and arranged to engage said pistons to simultaneously adjust each piston, and thereby control the return position of said shoes.

2,253,206

ELECTROMAGNETIC PUMPING APPARATUS

Frederick R. Farrow, Jr., Audubon, and Edgar B. Nichols, Moorestown, N. J., assignors to Nichols Products Company, Moorestown, N. J., a corporation of New Jersey

Application August 20, 1938, Serial No. 225,886
1 Claim. (Cl. 103—53)



In fluid pumping apparatus, the combination of a valve plate, a membranous pumping member associated with said valve plate in spaced relation thereto and cooperating therewith to provide a fluid collecting chamber, said valve plate having an inlet port and an outlet port formed therein, valve means associated with each of said ports and arranged to work in opposite direction, said valve means comprising flat mica strips each having one end fixed to said valve plate and arranged to have the other end cover its associated port, spring means constantly urging said strips into position to cover said ports, means providing a fluid expansion chamber associated with said outlet port, and electromagnetic means for actuating said pumping member, said electromagnetic means being adjustable relative to said pumping member.

2,253,207

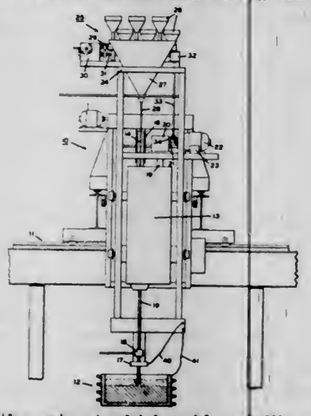
ELECTRIC METAL FUSING APPARATUS

Robert K. Hopkins, New York, N. Y., assignor to M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

Application April 10, 1940, Serial No. 328,800
6 Claims. (Cl. 219—8)

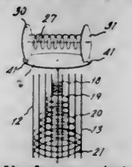
6. In metal producing apparatus, means for feeding a hollow electrode towards a conductive body, means effective to control the operation of said feeding means to maintain an electric current discharge of substantially constant predetermined characteristics from the end of said hollow electrode, a metering device adapted to supply metallic material at controlled rates into said hollow electrode to be fused by said electric current discharge, and means controlled by said electrode feeding means for operating said meter-

ing device to maintain an established relation between the rate at which said hollow electrode is



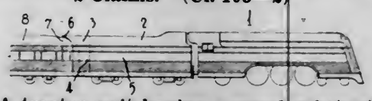
fed and the rate at which said metallic material is fed through said hollow electrode.

2,253,208
ELECTRON DISCHARGE DEVICE
Carl F. Miller, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application August 10, 1939, Serial No. 289,365
13 Claims. (Cl. 250—27.5)



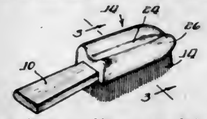
3. An electron discharge tube comprising a plurality of electron emission systems, each including at least an electron-emitting cathode and a cooperating anode, said systems being mounted in vertical superposition with respect to each other so that said anodes are approximately at right angles.

2,253,209
RAILWAY TRAIN
John W. Patton, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 9, 1939, Serial No. 303,499
2 Claims. (Cl. 105—2)



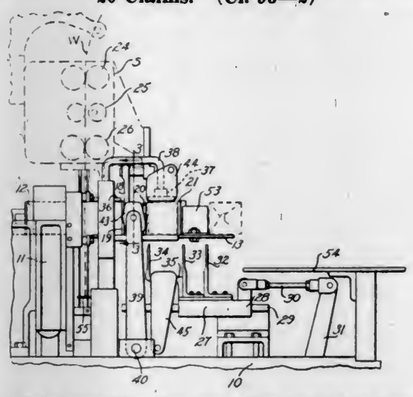
1. A tractor unit having a usual substantially square end and coupling means at said end enabling it to be coupled to either a usual substantially square-ended car or to a rounded-ended car, in combination with means for readily converting the coupling end of said unit from its usual square-ended form to a recessed form adapted to receive the rounded end of a car in coupled relation thereto, said means comprising a rigid casing removably secured to the coupling end of said unit and extending the sides and top of said unit beyond the substantially square end thereof, to form with said end a recess for receiving the rounded end of a coupled car.

2,253,210
GUM MASSAGE DEVICE
Nicholas Psiharis, Chicago, Ill.
Application October 15, 1937, Serial No. 169,084
3 Claims. (Cl. 128—62)



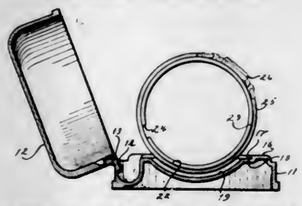
1. A massaging unit comprising a relatively rigid applicator having a flat rectangular head portion with generally parallel, longitudinally extending lateral margins, a yieldable rubber massaging member secured to said head and providing a pair of ridges disposed longitudinally of said lateral side margins along a substantial length thereof, said ridges extending from said margins and being of substantially the same elevation throughout their lengths, their crests being substantially continuous and unbroken.

2,253,211
PRINT WRAPPING MECHANISM
Earl J. Rapp and Kenneth G. Heft, Toledo, Ohio, assignors to Morris Packaging Equipment Company, Toledo, Ohio, a corporation of Ohio
Application March 13, 1939, Serial No. 261,462
20 Claims. (Cl. 93—2)



1. In a machine for wrapping prints of butter or the like, a reciprocatory print-supporting member, means to shift the print on said supporting member between reciprocatory movements thereof, and a series of means operable progressively during said reciprocatory movements for folding a wrapping sheet about the print.

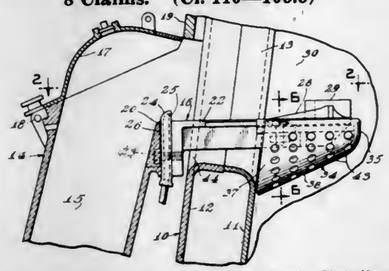
2,253,212
JEWELRY CASE
Merrill L. Rathbun, Salamanca, N. Y.
Application June 21, 1937, Serial No. 149,363
3 Claims. (Cl. 206—44)



1. A closed receptacle for an article of mer-

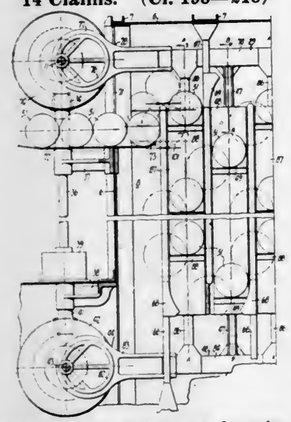
chandise comprising a body portion and cover, a member for mounting an article of merchandise in said receptacle, said member consisting of a split ring of spring-like material and being contractable to be received within and expandable to engage and secure said article, said body portion having a depressed area, the base wall of said depressed area being provided with a recess, said depressed area conforming to one contour of said member and said recess conforming to another contour of said member whereby said member may assume either of two positions with respect to said receptacle.

2,253,213
DISTRIBUTOR FOR STOKERS
Elmer F. Seibel and Alfred Hutton, Erie, Pa., assignors to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application December 15, 1937, Serial No. 179,902
8 Claims. (Cl. 110—105.5)



1. In combination, a stoker fuel distributing table comprising a table top arranged to permit fuel to pass thereover for distribution, said table having ledge-like means extending outwardly from the sides thereof in a plane below the plane of the table top, a detachable shield for said table having an inturned flange resting on said ledge-like means for supporting said shield, ledges formed with said shield below the level of said flange extending beneath said table, and means extending loosely through said table and ledges for restraining displacement of said shield with respect to said table.

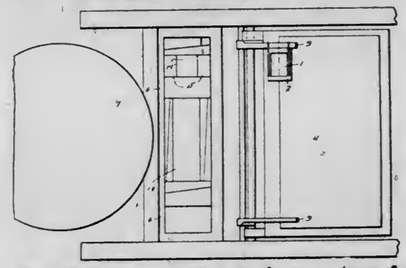
2,253,214
PROCESSOR
John T. Tucker, Columbus, Ohio
Application April 25, 1938, Serial No. 204,155
14 Claims. (Cl. 198—218)



1. A processor comprising a housing, at least

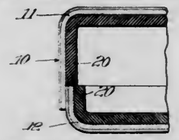
two bars in said housing, can supports projecting from each of said bars, means for bodily moving said bars simultaneously in vertical and horizontal directions and with relative vertical movement with respect to each other, and stationary guides in said housing for confining cans on said supports to a predetermined path of travel.

2,253,215
APPARATUS FOR PRINTING
Clarence Lee Walter, St. Louis, Mo.
Original application April 8, 1939, Serial No. 266,814. Divided and this application March 12, 1941, Serial No. 382,980
2 Claims. (Cl. 101—114)



1. In printing apparatus, a chase, a type form clamped therein, a work supporting platen movable toward and from the form to effect printing, a stencil having a printing area pervious to ink, means to support said stencil in front of the work operative to engage one face of the stencil with the work during movement of the platen toward the form, a type high inking pad in said chase for engagement with the other face of said stencil under movement of the platen to force ink therethrough onto the work simultaneously with printing by said type on the work, said means including a stencil supporting frame at one side edge of the platen having an open side facing said pad, and said pad fitting into said frame against the stencil.

2,253,216
CASE FOR A PORTABLE HEARING AID DEVICE
Arthur M. Wengel, Madison, Wis., assignor to Ray-O-Vac Company, a corporation of Wisconsin
Application September 13, 1939, Serial No. 294,760
3 Claims. (Cl. 179—107)

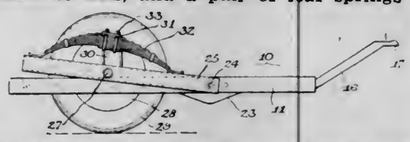


1. A compact hearing aid device comprising a unit adapted to be carried on the person of the user, including: a microphone; a high gain tube amplifier; and a case housing both of said elements, said case being formed of thin metal provided with a supersmooth outer surface, whereby sound impulses resulting from unintended frictional rubbing against the case are minimized.

2,253,217
TRAILER
William Wenthe, Milwaukee, Wis.
Application June 2, 1939, Serial No. 276,983
6 Claims. (Cl. 280—124)

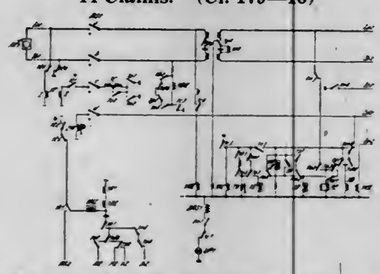
1. In a vehicle, the combination of a frame,

a pair of independently swingable wheeled arms at opposite sides of said frame, each arm having a pivotal mounting on said frame and each being swingable about a substantially horizontal transverse axis, and a pair of leaf springs for



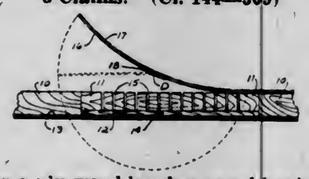
the respective arms, each spring being rigidly secured intermediate its ends on said frame and each having opposite deflectable end portions acting on the corresponding arm at different distances from the pivotal axis of said arm and at the same side of said arm from said pivotal axis.

2,253,218
TELEPHONE SYSTEM
Alexander Wirth and Roland Becker, Frankfort-on-the-Main, Germany, assignor to Telefonbau und Normalzeit G. m. b. H., Frankfort-on-the-Main, Germany, a corporation of Germany
Application February 9, 1939, Serial No. 255,462
In Germany February 8, 1938
14 Claims. (Cl. 179—18)



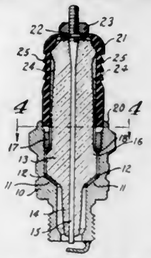
1. In an automatic telephone system, a plurality of subscriber's lines, a connector with means for transmitting a backward signal according as the wanted subscriber's line is idle and with means for emitting ringing current to an idle subscriber's line, means connected to a calling subscriber's line for receiving said backward signal and thereby for transmitting a ringing signal to said subscriber and for emitting a control impulse to said connector, and means for receiving said control impulses and thereby bringing said ringing current emitting means into operation.

2,253,219
PANEL BEND
Elmo E. Alexander, New Albany, Ind.
Application February 16, 1939, Serial No. 256,654
3 Claims. (Cl. 144—309)



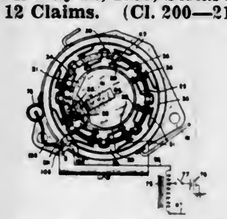
1. For a ply-wood bend, a panel having a core, comprising an insert in the core, and a spline across and adhering to the insert, said spline having a greater degree of resiliency than that of said insert, a band adhering to said spline, said insert being provided with a plurality of transverse, spaced slots entering the insert from its side opposite the spline side, and a back band adhering to said core on its face removed from said first band and to one side of said insert and extending therefrom loosely across at least the slotted area of said insert, whereby the loose portion of the back band may receive adhesive and be free to travel longitudinally relatively over the insert when the bend is formed, said back band being in two parts divided within the length of the slotted area of the insert, and a length of thin flexible material hinging the divided parts of the back band together.

2,253,220
SPARK PLUG
Paul G. Andres, Oak Park, Ill., assignor to Bowes Seal Fast Corporation, Indianapolis, Ind., a corporation of Indiana
Application July 1, 1940, Serial No. 343,330
2 Claims. (Cl. 123—169)



1. In combination with a spark plug having a porcelain insulator, an electrode extending therefrom, a metallic body surrounding a length of the porcelain, and means carried by the body to sealably retain the insulator with said body, of a dielectric shell closely surrounding the exposed end of said insulator throughout its length and resting on said retaining means, a cement filling between said shell and said insulator increasing the dielectric gradient therebetween, and means engaging said electrode and said shell to draw the shell compressibly against said retaining means, said shell being formed out of material more resilient than said insulator whereby positioning of said shell by said engaging means does not tend to shift said insulator relative to its retaining means.

2,253,221
IGNITION MECHANISM
Arthur J. Barnum and Warren J. Barnum, Detroit, Mich.
Application May 22, 1939, Serial No. 275,036
12 Claims. (Cl. 200—21)



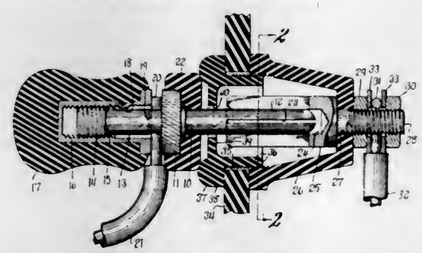
1. Mechanism for controlling the ignition system of an internal combustion engine of the spark ignition type comprising a casing, a plurality of interrupter contacts circumferentially carried thereby and movable to induce a sparking current, and means normally maintaining said contacts closed but allowing successive opening thereof including a rotor element having a portion operatively engageable with and disengageable from said contacts progressively, a part of said portion of the rotor allowing said contacts to separate momentarily in desired sequence when the rotor is rotated.

2,253,222
PONTIC INSERT AND DENTAL BRIDGE
Joseph Bertram, Chicago, Ill.
Application January 30, 1939, Serial No. 253,577
2 Claims. (Cl. 32—6)



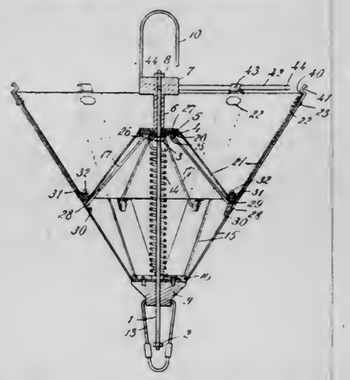
1. A pontic insert comprising a hollow metal member of the general shape of a triangular prism, said member having solid occlusal and lingual walls and a hollow buccal face forming the faces of the prism, and mesial and distal walls comprising the bases of the prism.

2,253,223
BINDING-POST AND JACK-PLUG UNIT FOR ELECTRICAL INSTALLATIONS
Herbert P. Blake, Springfield, Mass., assignor to The Standard Electric Time Company, Springfield, Mass., a corporation of Connecticut
Application September 14, 1940, Serial No. 356,820
2 Claims. (Cl. 173—363)



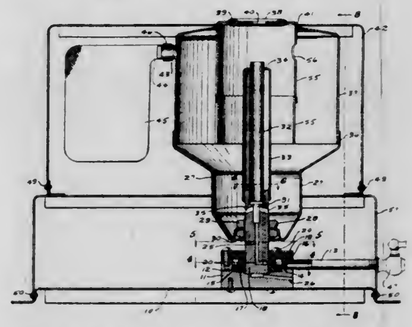
2. A jack-plug unit comprising: a body of electro-conductive material and provided intermediate its respective opposite ends with a transverse wire-receiving passage, the said body including a threaded binding-post portion at one end, a jack-plug portion at its opposite end and a laterally-extending collar located intermediate the two said portions adjacent the said transverse wire-receiving portion and of larger diameter than both thereof, the said collar being positioned on the said body to provide an abutment to limit the penetration of the said jack-plug portion into a female jack-member; a binding-nut threaded to the threaded binding-post portion of the said body and threadedly movable thereon toward the said collar and toward the transverse wire-receiving passage in the said body to clamp a wire in electrical engagement with the latter; a cup-shaped insulating-cap rigid with and extending over substantially all save the inner portion of the said binding-nut which faces toward the collar of the said body; and a cup-shaped insulating-pad having its open end facing toward that open end of the said cup-shaped insulating-cap and extending around the periphery of the collar of the said body and over the face thereof which is directed toward the said jack-plug portion of the said body.

2,253,224
PLUGGING DEVICE
William Yates Bleakley, Tulsa, Okla., assignor to Zero Hour Bomb Company, Tulsa, Okla., a corporation of Oklahoma
Application October 28, 1940, Serial No. 363,147
13 Claims. (Cl. 166—13)



1. In a device of the character described, a central rod, a collar slidably mounted on the rod, a plurality of ribs hinged to the collar, and a collapsible pocket having its outer edge secured to the free ends of the ribs and its inner edge connected to the rod at a point spaced from the collar.

2,253,225
SPARK PLUG CLEANER
Charles E. Bowes, Paul G. Andres, and Thomas W. Mullen, Indianapolis, Ind., assignors to Bowes Seal Fast Corporation, Indianapolis, Ind., a corporation of Indiana
Application October 4, 1939, Serial No. 297,804
8 Claims. (Cl. 51—8)



1. In a spark plug cleaning device, a stem, an abrasive carrying receptacle carried by the stem, an abrasive ejector nozzle in the receptacle extending from said stem, valve means associated with said stem for controlling flow of air through said nozzle, an expansion chamber into which said nozzle discharges and having a pressure discharge opening, a dust filter bag fixed over said opening, and a spark plug carrying flexible throat carried by said chamber in substantial axial alignment with said nozzle, said stem being rockably connected with said valve means, and means for rocking said stem to effect said air control, said stem having a peripheral orifice communicating with a passageway through the

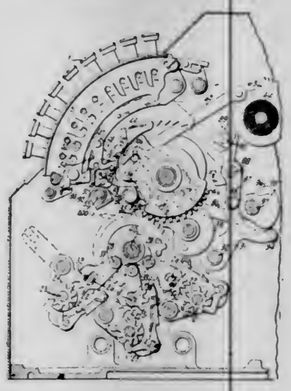
stem from said nozzle to said orifice, and said valve means comprising a resilient, stem encircling thimble mounted within a cup and sealed thereover, and air conducting means through said cup, said thimble having an annular, external passageway therearound into which said air means discharges to press said thimble around said stem, and a passageway through said thimble selectively registrable with said stem orifice upon said rocking of the stem.

2,253,226

CASH REGISTER

Ernst Breitling, Berlin-Tempelhof, Germany, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application April 21, 1939, Serial No. 269,207
In Germany April 27, 1938
2 Claims. (Cl. 235—8)



1. In a differential mechanism of the class described, the combination of a driving member; two driven members, one of said driven members being differentially settable from a normal home position into a differentially set position by said driving member at each operation thereof; a projection on said one driven member; a pawl pivoted on the other one of said driven members; a working surface on one end of the pawl; a resilient means normally urging the pawl into a position wherein the working surface of the pawl coacts with the projection on said one driven member, said pawl being pivoted on said one driven member in such a position that the working surface of the pawl always tends to move in a direction away from a point about which said driven members pivot; an element normally engaging the pawl to restrain the pawl in a position wherein the working surface thereof is disengaged from the projection on said one driven member; a control means coacting with the element to withdraw the element from engagement with the pawl to release the pawl to the action of the resilient means whereby the resilient means moves the working surface of the pawl into the path of the projection on said one driven member, whereby the differential movement of said one driven member can be transmitted to said other driven member when the said one driven member is moved out of its home position; and means on said other driven member engageable by the said one driven member to restore the said other driven member to its home position when said one driven member is moved back to its home position.

2,253,227

LUBRICATING OIL COMPOSITION, INHIBITOR THEREFOR, AND METHOD OF MANUFACTURING THE SAME

Troy Lee Cantrell and James Otho Turner, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 5, 1936, Serial No. 99,662
12 Claims. (Cl. 252—53)

1. The method of preparing an oil-soluble organic phosphorus compound suitable as an improvement agent for hydrocarbon oils, which comprises reacting an olefin and a phenol in the presence of sulfuric acid, and treating at least a portion of the resultant product with phosphorus trichloride to obtain a final inhibitor product containing from about one to five per cent of phosphorus.

2,253,228

LUBRICATING OIL COMPOSITION, INHIBITOR THEREFOR, AND METHOD OF MANUFACTURING THE SAME

Troy Lee Cantrell and James Otho Turner, Lansdowne, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 15, 1936, Serial No. 100,956
12 Claims. (Cl. 252—46)

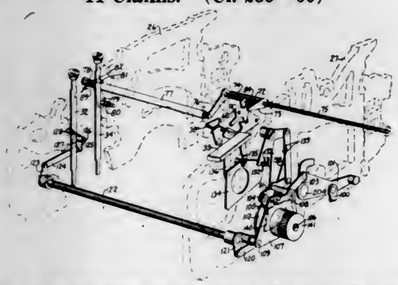
1. The method of preparing an oil-soluble organic sulfur compound suitable as an improvement agent for hydrocarbon oils, which comprises reacting a sulfur chloride with a water-insoluble reaction product of a phenol and an olefin having anti-oxidant properties when added to a hydrocarbon oil, the reaction being carried to such extent as to incorporate sufficient sulfur into the final product to give the final product the property of inhibiting the corrosion of bearing metals by hydrocarbon oil, when added to such oil, while retaining to a substantial extent the anti-oxidant value of the aforesaid phenol-olefin reaction product.

2,253,229

CALCULATING MACHINE

Raymond A. Christian, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Original application March 16, 1934, Serial No. 715,801. Divided and this application February 28, 1936, Serial No. 66,180
11 Claims. (Cl. 235—60)



1. In a machine of the class described, a totalizer including a shaft upon which totalizer wheels are mounted; a month printing control member mounted on said shaft; a plurality of racks operable to enter data into said totalizers and said control member; a separate actuating means for said control member to advance it step by step; means to simultaneously engage said totalizer and control member with the racks; a total key and a sub-total key for controlling the engaging means in total and sub-total timing; and means controlled by the sub-total key for rendering the separate actuating means effective whereby the month printing control member is actuated each time the member and its associated totalizer are operated in sub-total timing.

2,253,230

SAFETY INNER TUBE FOR PNEUMATIC TIRES

Isaiah Feldman, Brooklyn, N. Y.

Application March 7, 1940, Serial No. 322,647
3 Claims. (Cl. 152—338)



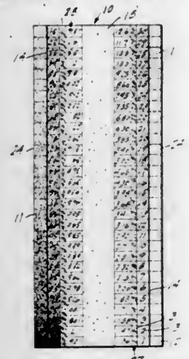
3. An inner tube for a pneumatic tire comprising a plurality of cells made of an elastic material and joined together to form an annular body, an inflating and a deflating manifold, means to support the manifolds on a rim of a wheel, means to admit air into the inflating manifold, means to exhaust air from the deflating manifold, a plurality of valves on the inflating manifold adapted to exhaust air from the inflating manifold, a plurality of intake valves on the deflating manifold, every intake valve being joined with the corresponding exhaust valve, and means to tightly and slidably fit the cells over the joined valves.

2,253,231

SENSITOMETER, ACTINOMETER, AND PHOTOGRAPHIC CHARACTERISTIC MEASURING SCALE

Philip A. Friedell, Oakland, Calif.

Application July17, 1940, Serial No. 346,045
15 Claims. (Cl. 95—10)



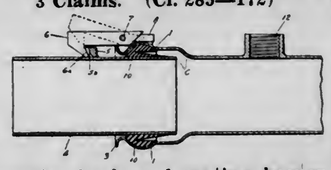
1. A photographic characteristic measuring scale comprising a negative having a continuous series of areas of logarithmically increasing densities based solely on the actinic component of light transmitted, with each area directly abutting the next adjacent area, and having the respective areas serially numbered with the numbers applied to the respective areas in the form of an opaque medium for non-printability when said negative is printed on a photo-sensitive emulsion-bearing medium to identify through a low degree of contrast with the surrounding area by means of the highest readable number the practical threshold area for establishing the speed and for establishing the practical limit of tonal range of said emulsion; and having a continuous opaque indicator extending throughout the entire series of areas and bounded on both sides by the opacity of each area for non-printability to identify through entire lack of contrast with the surrounding area in which the indicator vanishes in the print, the absolute threshold area for establishing the absolute threshold speed and for establishing the absolute limit of tonal range of said emulsion; and factors assigned to the respective areas and based on the relative values of said densities and constituting actinometric factors and divisors for establishing the respective exposure factors or basic exposure requirements of emulsions by the quotient of the exposure given the print divided by the factor assigned to the specific area on which the speed is based.

2,253,232

PIPE COUPLER LATCH

Robert L. Gheen, Eugene, Oreg.

Application February 17, 1940, Serial No. 319,497
3 Claims. (Cl. 285—172)



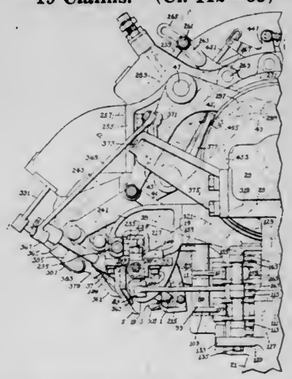
1. A coupler hook and mating keeper for a slip joint pipe coupler comprising an undercut flat sided hook member hingedly mounted on the coupler in such manner that it has a limited up and down movement, and a cooperating keeper welded to the outside surface of the pipe insertable in the coupler spaced from the end thereof in such manner that it will automatically engage the hook member when placed in alignment therewith and the pipe and coupler pulled towards separation, the said keeper being characterized by a central rectangular notch part way through its section that is an easy fit for the sides of the hook and a beveled hook seat portion at the bottom of the notch.

2,253,233

SEWING MACHINE

Joseph Gouldbourn and Thomas Aubrey Kestell, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

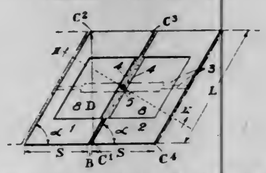
Application May 18, 1939, Serial No. 274,394
In Great Britain June 15, 1938
19 Claims. (Cl. 112—35)



1. A chainstitch inseam shoe sewing machine

having, in combination, stitch-forming and work feeding devices including a curved hook needle operating to draw a loop of thread through the work and through a previously formed loop, means for actuating the stitch-forming and work feeding devices to impart a continuous feeding movement to the work, a loop deflector, and means for imparting movement to the deflector and needle relative to each other while the needle is out of the work to deflect the loop carried by the needle towards the previously formed stitches.

2,253,234
BUILDING BRICK
William Stanley Grice, London, England
Application October 13, 1938, Serial No. 234,830
In Great Britain October 13, 1937
1 Claim. (Cl. 72—37)



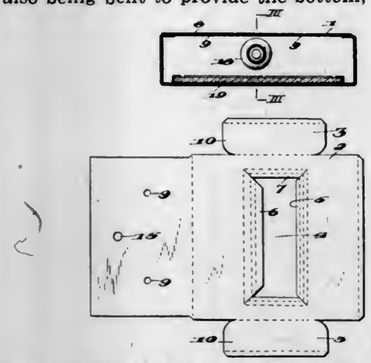
A wall comprising bricks of rhomboidal shape in plan, each brick having parallel side faces and parallel end faces extending from side to side of the brick and diagonally relative to said side faces, at least one side face of each brick having a recess therein spaced inwardly at its ends from the ends of the brick, said bricks being laid in superimposed courses, the bricks in certain of the courses extending parallel to the wall and the bricks in other courses extending transversely of the wall, the recesses of superimposed bricks of the different courses having the medial portions of their recesses vertically alined, vertical reinforcing rods disposed in the alined medial portions of the recesses of superimposed bricks, and bonding material in said recesses.

2,253,235
PIGMENTED MATERIAL
Charles H. Hempel, Manitowoc, Wis., assignor to Heresite & Chemical Company, a corporation of Wisconsin
No Drawing. Application February 26, 1940, Serial No. 320,969
6 Claims. (Cl. 260—30)

1. The method of forming a coating material consisting of a solution of oil-free phenol formaldehyde resin containing from 10% to 45% by volume of the resin of an inert, non-fibrous, suspensible, inorganic pigment which comprises grinding the pigment in a solution of the resin in a solvent which will form a dilute solution of the resin for a period of at least 96 hours.

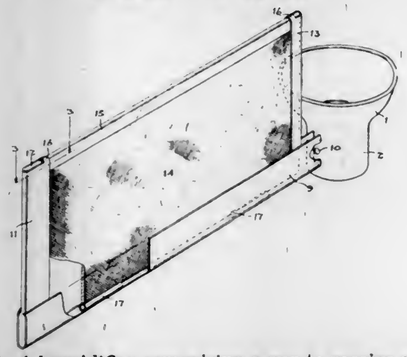
2,253,236
ILLUMINATED HOUSE NUMBER HOLDER
Everett L. Huey, Columbus, Ohio
Application August 29, 1939, Serial No. 292,485
3 Claims. (Cl. 40—132)

1. In an illuminated house number holder, a casing formed from a sheet metal blank having integral body and wing sections, said body section having an elongated opening formed therein, tongue means formed with said body and projecting into said opening, the tongues at the longer sides of said opening being bent to form channel members, the other tongues being bent to provide flange means, the body of said blank also being bent to provide the bottom, front, top



and rear walls of said casing, and the wing sections being bent and secured to the body section to provide the side walls of said casing.

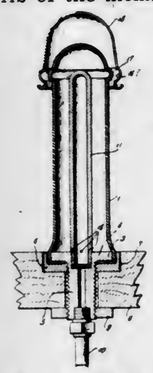
2,253,237
HUMIDIFIER
Marco F. Irwin, Toronto, Ontario, Canada
Application May 13, 1939, Serial No. 273,484
In Canada May 19, 1938
4 Claims. (Cl. 299—20)



1. A humidifier comprising a cup to receive and hold a water container, a U-shaped metal strip secured to and extending laterally from said cup and having communication with the interior thereof through a hole in the cup, a U-shaped metal strip secured in an upright position at the end of the trough farthest from the cup and sealing the end of the trough, a lead strip inserted in said upright U-shaped member, an upright support arranged in said trough adjacent to the cup end, and an evaporator sheet having its bottom edge supported in said trough and its ends supported by said upright members.

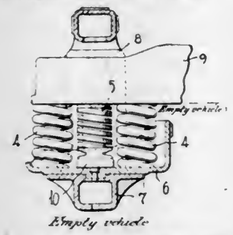
2,253,238
APPARATUS FOR WINDING STRANDULAR MATERIAL
Arthur L. Jackson, West Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application January 19, 1938, Serial No. 185,767
3 Claims. (Cl. 242—130)

1. A holder for strandular textile material particularly adapted for holding normally unsupported thread packages provided with fabric coverings while winding off during their rewinding operation with the coverings folded back to expose the package exteriors comprising a tubular base inset in a recess in a platform and extending therethrough, an inflatable tubular member having its open end secured to the upper portion of the base with an airtight connection, said tubular member having a rib adjacent its upper end, and a cap fitting over the end of said member provided with a recess for engaging the rib of the member and forming a



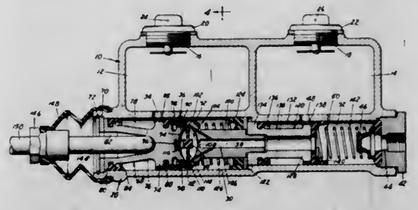
compartment, said tubular member being constructed to freely receive thereover a thread package having a thread-free interior and to first engage the wall of the thread-free interior of the package upon being inflated and thereafter to support the inner convolutions of strands as the outer convolutions are wound off, the compartment formed by the cap providing a retainer for the upper folded portion of the fabric covering during the operation.

2,253,239
SPRING GROUP ARRANGEMENT
George T. Johnson and Harry A. Moeller, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio
Application December 19, 1938, Serial No. 246,750
1 Claim. (Cl. 267—4)



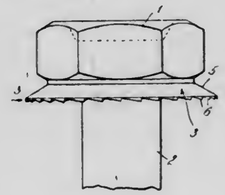
In a vehicle, a supporting member and a supported member, a group of non-standard helical springs and a standard friction spring supported by the supporting member and adapted to support the supported member, the friction spring being normally uncompressed and having a height less than any one of the helical springs when the springs are unloaded, none of the springs being compressed by means other than the load on the supported member, and a support for the friction spring, forming no part of that spring and supported by the supporting member for supporting the friction spring at sufficient height to be compressed after the supported member compresses the helical springs to a predetermined degree, all of the springs being arranged to go "solid" simultaneously.

2,253,240
FLUID PRESSURE SYSTEM
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application September 10, 1938, Serial No. 229,365
4 Claims. (Cl. 60—54.5)



1. A fluid pressure equalizer comprising a chamber having opposite openings for admission of fluid to the chamber, a flexible diaphragm dividing the chamber, and oppositely disposed flexible members on the diaphragm adapted to enter and close the openings and to latch therein.

2,253,241
NUT OR BOLT LOCK
Robert A. MacDonald, Greenwich, Conn., assignor to Russell, Burdsall & Ward Bolt & Nut Company, Port Chester, N. Y., a corporation of New York
Application January 16, 1940, Serial No. 314,096
3 Claims. (Cl. 151—37)

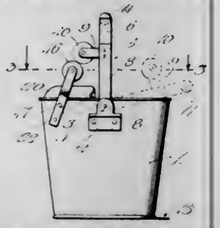


1. A screw threaded element comprising a head having a smooth engaging surface of revolution at an angle to the axis of the screw threaded element and forming an effective bearing area, and having a second surface at an acute angle thereto forming a thin peripheral portion, and locking teeth formed at the edge of the engaging surface of the thin peripheral portion beyond the effective bearing area and projecting therefrom.

2,253,242
DESIZING TEXTILES WITH CHLORITE
James Douglas MacMahon, Niagara Falls, and Archie Louis Dubeau, Lewiston, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application March 28, 1939, Serial No. 264,586
4 Claims. (Cl. 8—138)

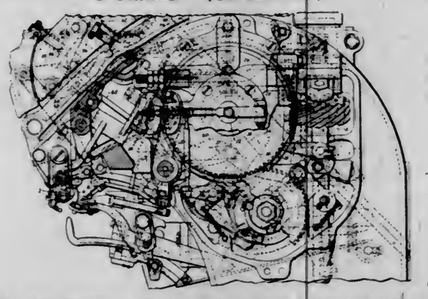
1. In the kiering of unfinished cellulosic fabrics containing starchy materials, the improvement which comprises removing starchy material from the fabric by subjecting it to the action of a hot aqueous alkaline solution containing a relatively low concentration of sodium chlorite, the amount of sodium chlorite present in the solution being less than 10 lbs. per 1000 lbs. of fabric.

2,253,243
BUCKET AND MOP WRINGER
Harry Masishin and Harry Chomyn, Chester, Pa.
Application March 4, 1940, Serial No. 322,217
1 Claim. (Cl. 15—262)



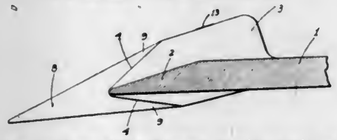
In a device of the character described, a bucket, a bail straddling the bucket and pivotally mounted at opposite sides of the bucket for swinging movement from a lowered position to a raised position over the bucket, arms carried by the bucket in spaced relation to the pivoted ends of the bail, the arms being spaced from each other circumferentially of the bucket and having their upper portions projecting upwardly from the bucket in front of the bail, a roller rotatably mounted between the upper ends of said arms and extending across the front portion of the bucket transversely thereof, scraping plates in said bucket consisting of arcuate strips of resilient metal extending circumferentially of the bucket in rearwardly diverging relation to the wall thereof and having their front ends secured to the inner surface of the front portion of the wall of the bucket adjacent each other, rear ends of the strips being bent abruptly and secured to the wall of the bucket, said plates being of a height to extend above the bucket and serve as splash shields and as a pouring spout, arms carried by and projecting forwardly from the bail, and a roller rotatably mounted between the arms and movable with the bail towards the first roller for compressing engagement therewith as the bail is moved to raised position.

2,253,244
INSEAM SHOE SEWING MACHINE
Alfred R. Morrill, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Original application April 1, 1937, Serial No. 134,319. Divided and this application January 30, 1940, Serial No. 316,386
3 Claims. (Cl. 112—59)



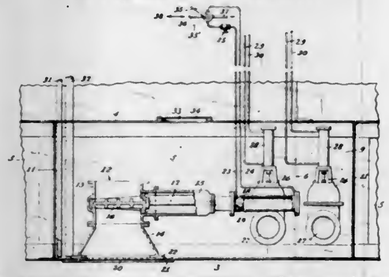
1. An inseam shoe sewing machine having, in combination, stitch forming and work feeding devices, a cam shaft and suitable connections for actuating said devices, a thread tension device, means operating on stopping the machine to impart a reverse movement to the cam shaft, means for limiting the reverse movement of the cam shaft comprising a cam on the cam shaft provided with a slot and a follower to engage the slot on reverse rotation of the cam shaft, connections actuated from the cam follower on reversal of the cam shaft to actuate the tension device to release the thread tension, a latch to hold the tension device in tension releasing position, and means actuated from the cam shaft during forward rotation to free the tension device from the latch.

2,253,245
REPLACEABLE TOOTH UNIT FOR EARTH-WORKING EQUIPMENT
Robert E. Noack, Stockton, Calif.
Application November 25, 1939, Serial No. 306,087
2 Claims. (Cl. 37—142)



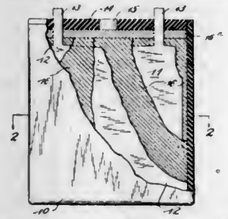
1. In a replaceable digger tooth unit, a tooth including vertically spaced prongs having flat adjacent faces diverging to the rear end of the tooth to define a V shaped opening extending from side to side of the tooth, the prongs on their opposite faces and at the sides having mortise grooves cut therein from the rear end and open to said faces and to the sides of the prongs; and a tooth supporting body having a tongue shaped to fit said tooth opening, the body at the sides of the tongue overlapping the prongs on their sides when the tongue is seated in the opening, and flanges on the body at the top and bottom thereof and projecting laterally inward in overlying relation to the rear portion of the tongue and slidably engaging the tooth grooves.

2,253,246
METHOD AND APPARATUS FOR CONTROLLING THE METACENTRIC HEIGHT OF SHIPS
Harold F. Norton, Newport News, Va., and Hiester J. Welch, Cavite, P. I.
Application October 10, 1939, Serial No. 298,754
11 Claims. (Cl. 114—121)



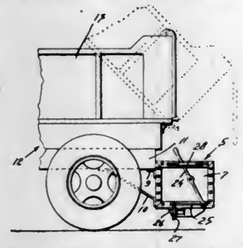
6. Method of controlling the metacentric height of ships having liquid supplies tanks in the bottom, which comprises the steps of emptying individual tanks as needed during transit, keeping such tanks empty to maintain a low metacentric height during safe sailing conditions, and flooding a plurality of such empty tanks simultaneously by admitting water through the hull to quickly increase the metacentric height when hazardous sailing conditions are encountered.

2,253,247
STORAGE BATTERY
Joseph A. Orsino, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application March 14, 1939, Serial No. 261,739
1 Claim. (Cl. 136—144)



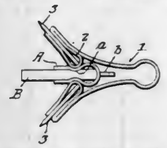
A storage battery having an electrolyte absorbent composed chiefly of a body of finely divided humic acid.

2,253,248
COMBINATION SHOVEL AND SPREADER BOX
Martin H. Palmer, Fort Klamath, Oreg.
Application December 4, 1940, Serial No. 368,529
2 Claims. (Cl. 275—2)



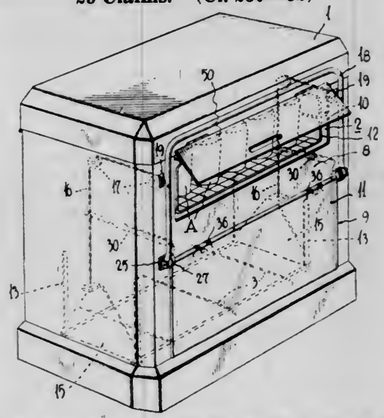
1. In combination with a dump vehicle, a box mounted on said vehicle in a position to receive the contents of the dump body of said vehicle, said box embodying a bottom wall having a discharge opening elongated longitudinally of the box, a pair of aligned valves controlling said opening, means pivotally supporting said valves on said box in operative position to said opening, manually manipulative means at the respective opposite ends of the box and connected with the respective valves for rotating said valves to control the discharge of the contents of said box through said discharge opening, and means for detachably connecting said valves together to operate simultaneously and in response to the actuation of either of said manipulating means.

2,253,249
WIPER BLADE
Carl Christen Peterson, Woburn, Mass., assignor of thirty per cent to Carl H. Petersen, Saugus, Mass.
Application September 7, 1939, Serial No. 293,815
1 Claim. (Cl. 15—250)



A blade holding attachment for a windshield wiper comprising a member of elongated form and of spring sheet metal and of substantially U-shape in cross section to provide a bight and a pair of limbs, edge portions of the limbs being bent inwardly to form a pair of blade holders which are located in the space between the limbs and each holder being of U-shape in cross section with one limb of each holder contacting the inner face of the adjacent limb of the member and metal blades held by the holders with the cutting edges projecting from the holders, said attachment being adapted to be placed over a windshield wiper with bight portions of the blade holders gripping a part of the wiper between them and the blades and holders diverging outwardly from said part of the wiper.

2,253,250
STERILIZING AND STORAGE CABINET
Milton Selig, Philadelphia, Pa., assignor to The Fischman Company, a corporation of Delaware
Application February 6, 1939, Serial No. 254,930
25 Claims. (Cl. 250—52)

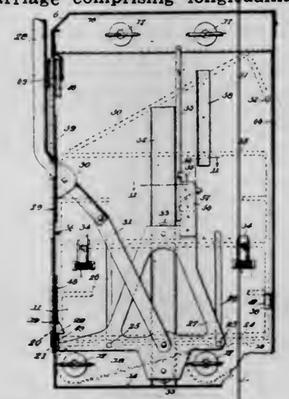


1. A cabinet for sterilizing and storing articles of tableware or the like comprising wall means forming a chamber having an inlet opening for a tray bearing said articles and an outlet opening through which said tray may be withdrawn from the chamber, means in the chamber for sterilizing said articles, a door for closing the inlet opening, ratchet mechanism normally preventing movement of the door in opening direction, means for moving a tray in the chamber from a point opposite the inlet opening toward the outlet opening, and an element cooperating with said mechanism and tray-moving means and operable in response to movement of said tray by said tray-moving means to release said mechanism whereby the door may be moved toward open position.

2,253,251
STERILIZING AND STORAGE CABINET
Milton Selig, Philadelphia, Pa., assignor to The Fischman Company, a corporation of Delaware
Application July 7, 1939, Serial No. 283,280
35 Claims. (Cl. 250—52)

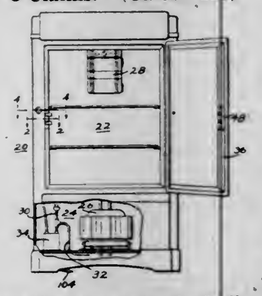
1. In a sterilizing cabinet for articles of tableware and the like, an upright chamber, means supplying sterilizing rays to said chamber, mechanism for elevating articles in said chamber comprising a horizontally disposed carriage, upright members connected to the carriage at the opposite sides thereof, rigid vertical guideways fixed in the cabinet adjacent said members, a plurality of vertically spaced apart means carried by each of the members and guided by the adjacent guide-

way, and means for applying an elevating force to the carriage comprising longitudinally rigid



linkage members connected to each of the upright members.

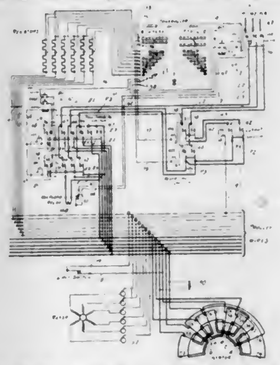
2,253,252
REFRIGERATING APPARATUS
Harry F. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 28, 1937, Serial No. 166,134
8 Claims. (Cl. 62—116)



1. Refrigerating apparatus including a cabinet incorporating a cabinet member and a door member, a cooling unit for cooling the interior of the cabinet, an electrically operated liquefying means for supplying refrigerant medium to and for withdrawing the medium from the cooling unit, a magnet upon each of the members, one of said magnets being an electromagnet, said magnets being positioned to attract each other when the electromagnet is deenergized and to repel each other when the electromagnet is energized, said electromagnet being connected to the electrical system of the electrically operated liquefying means for supplying electrical energy to the electromagnet, and means for controlling the energization of the electromagnet.

2,253,253
HOISTING APPARATUS
Leo B. Sohn, Bedford, Ind., assignor to Bedford Foundry & Machine Co., Bedford, Ind., a corporation
Application June 26, 1939, Serial No. 281,070
7 Claims. (Cl. 172—179)

7. In apparatus of the class described, an induction motor having a pole changing stator winding in which the number of magnetic poles is changed by reversal of current in a portion of said winding to change the synchronous speed of said motor, a pair of magnetically operated switches, conductors connecting said switches to a source of current, conductors connecting said switches to said stator windings, and arranged to provide current paths from one of said switches to the stator windings in proper relation for low speed operation and current paths from the other of said switches to said stator winding in proper relation for high speed operation, said last mentioned current paths having at least a portion independent of said first mentioned current paths, an overload protective device connected in said independent portion and responsive only



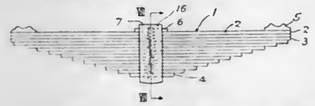
to current flow therein to break the power supply in said motor, a master controller connected to control power supply to said motor and having an off position and one or more running positions, an energizing circuit for each of said switches, interlocking means in said circuits operated by said master controller to permit said circuits to be completed only when said controller is in the off position, retaining circuits operated by said switches and each adapted to maintain its associated switch in energized position when once energized irrespective of the position of said master controller, and manually operated means for breaking said retaining circuits.

2,253,254
ANIMAL TRAP
Daniel L. Warner, Rozetta, Ill.
Application September 16, 1940, Serial No. 356,925
2 Claims. (Cl. 43—61)



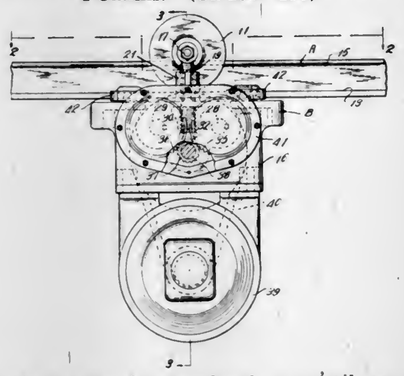
1. An animal trap comprising an enclosure having an opening at one end, a door for closing said opening pivoted adjacent its upper edge and movable from a raised open position inside the enclosure to a position in which it closes said opening, latching means for holding the door in raised open position comprising a bar extending longitudinally of the enclosure and a pair of spaced swinging suspension links pivotally connected to said bar and extending upwardly therefrom, said latching means comprising a portion movable into and out of latching engagement with the door and trigger means for releasing said latch comprising a pivoted platform on which the animal steps, and a link pivotally connected at one end with the pivoted platform and pivotally connected at its other end with the longitudinally-extending bar, said last link and one of said upwardly-extending links together forming a toggle which, when straightened out, releases said latching means.

2,253,255
LAMINATED SPRING
Theodore R. Weber, Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application September 14, 1940, Serial No. 356,795
3 Claims. (Cl. 267—53)



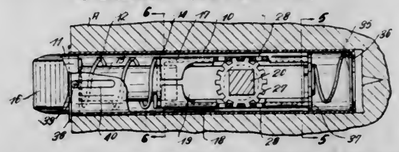
1. A semi-elliptic leaf spring comprising a group of superposed leaves; and a band tightly holding the leaves together, a face of one of said leaves having a recess in line with said band and the engaging face of the adjacent leaf having a projection extending into said recess; said recess and said projection each providing two opposed end faces spaced from each other in a direction longitudinally of said spring, diverging toward, and terminating in curves merging in, their leaf face, the angle of inclination of each said end face being substantially forty-five degrees, a recess end face beyond its curve being engageable with an adjacent projection end face beyond its curve when longitudinally directed force is applied to one of said adjacent leaves, said recess merging curve being of larger radius than said projection merging curve providing, during said engagement of said end faces, a space between said curves whereby harmful effects upon said recessed leaf, due to said force, when said recessed leaf is flexed to place its said face under tension, are minimized.

2,253,256
MONORAIL TRACTOR
William G. Wehr, East Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application June 14, 1940, Serial No. 340,512
4 Claims. (Cl. 105—154)



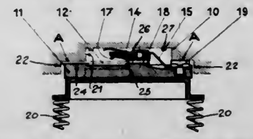
1. A tractor for overhead monorail carrier systems comprising a frame generally rectangular in plan, a pair of flangeless supporting wheels adapted to engage and travel along opposite flanges of an inverted T-shaped overhead monorail, means for movably connecting said wheels with said frame adjacent to the center vertical transverse plane of the tractor for vertical relative movement therebetween, resilient means for yieldably urging said frame upwardly relative to said wheels, a traction wheel rotatably supported in said frame and adapted to engage the bottom of the rail upon which the tractor is supported, and a plurality of guide wheels operatively connected to said frame and adapted to engage opposite sides of the rail upon which the tractor is supported, one of said guide wheels being located adjacent to each of the corners of said frame.

2,253,257
DOOR LATCH
Guy A. Wellman, Geneva, Ohio, assignor to The Champion Hardware Company, Geneva, Ohio, a corporation of Ohio
Application June 4, 1940, Serial No. 338,760
6 Claims. (Cl. 292—172)



3. A door latch of the character described comprising a casing, a latch bolt slidably supported in said casing and having a longitudinally extending slot therein, a member comprising two relatively movable parts slidably supported within said casing for retracting said latch bolt, means including a shaft extending transversely through said casing and provided with a hand grasp for simultaneously moving said parts of said member in opposite directions longitudinally of said casing, and a compression spring interposed between said latch bolt and the forward end of said member, said member having a portion extending into said slot for operatively connecting said latch bolt with said member.

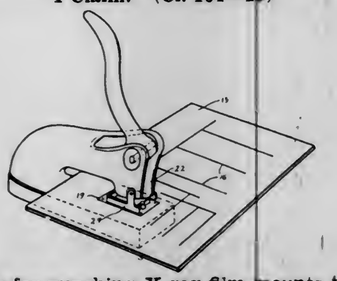
2,253,258
FILM GATE ADJUSTABLE FOR FILMS OF DIFFERENT WIDTHS
René Widmer, Sainte-Croix, Switzerland, assignor to Paillard et Cie S. A., Sainte-Croix, Switzerland, a corporation of Switzerland
Application August 12, 1939, Serial No. 289,868
In Switzerland August 26, 1938
12 Claims. (Cl. 88—17)



1. A device for use in cinematographic apparatus for the projection of films of different widths and pitch, said device comprising at least one fixed gate member, at least one movable gate member operatively associated with the fixed gate member, said gate members forming between them a passage for the passage of a film, at least one marginal stop on said movable gate member for the film of less width, said stop serving for the partial guiding of the film as regards its width, a spring actuated guide member on said movable gate member, said spring actuated member being adapted to ensure the correct passage of the film past a projection opening and extending along a predetermined length of said film, said spring actuated member being

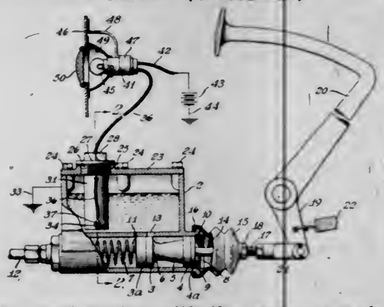
adapted to occupy two different positions, an open position for the purpose of enabling the film to be readily placed in position, and a closed position for the purpose of projection.

2,253,259
DIE FOR X-RAY MOUNT PRESSES
Raymond Wilson, Ottawa, Ontario, Canada
Application December 1, 1939, Serial No. 307,174
1 Claim. (Cl. 164—19)



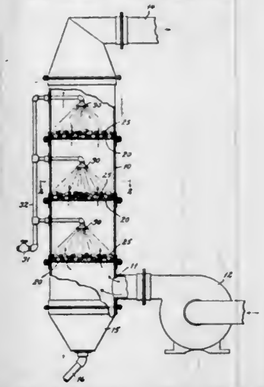
A die for punching X-ray film mounts to provide openings with film retainer tabs along their edges comprising a base having a central rectangular opening with semi-circular ribs projecting inwardly from the walls thereof intermediate their length, a male die head having its outer contour of corresponding shape to the opening of said base and adapted to enter said opening whereby an opening is punched in the mount with inwardly projecting tabs along its edges, and a female die plate mounted on said base having a central opening alined with the opening of said base, the edges of the opening of said female die plate having semi-circular indentations in juxtaposition to the ribs of said base whereby incisions are cut in the edges of the opening punched in the mount on both sides of the tabs.

2,253,260
HYDRAULIC BRAKE SAFETY SIGNAL
Harvey S. Alcorn, Bethany, Okla.
Application August 28, 1939, Serial No. 292,364
1 Claim. (Cl. 200—84)



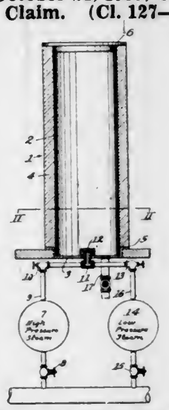
The combination with the reserve supply reservoir of a hydraulic brake system, of an enlarged filling plug in the upper end of the reservoir and removable therefrom, said plug having an enlarged recess in its lower face communicating with a vertical passage extending through the upper end of the plug, a tubular member removably secured in said recess and extending adjacent the lower end of the reservoir and provided with an open lower end, contact studs carried by opposite walls of the tubular member, an electric wire connected to one of the studs on the outside of the tubular member and extending inwardly through an opening therein and passing outwardly through the vertical passage in the enlarged filling plug, and a float in said tubular member adapted to engage the contact studs for closing the circuit between the same.

2,253,261
DUST COLLECTOR
Hollis P. Bacon, Cleveland Heights, Ohio, assignor to Northern Blower Company, Cleveland, Ohio, a corporation of Ohio
Application August 9, 1939, Serial No. 289,191
1 Claim. (Cl. 261—94)



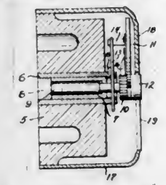
An apparatus for removing dust from a current of air comprising in combination an upright casing having within it and extending across it a plurality of screens spaced apart one above the other, a layer of obstructing devices on each screen, said obstructing devices comprising small hollow ceramic cylinders and the layer consisting of such cylinders arranged indiscriminately with some on top of others but with the layer not more than three cylinders high, means for forcing dust-laden air upwardly through the screens and layers successively at such a force as will lift and roll and turn the cylinders, and means for supplying to the interior of the casing washing liquid passing in a downward direction.

2,253,262
APPARATUS FOR BOILING AQUEOUS STARCH MIXTURES
George M. Bierly, Columbus, Ohio
Application October 24, 1939, Serial No. 301,083
1 Claim. (Cl. 127—28)



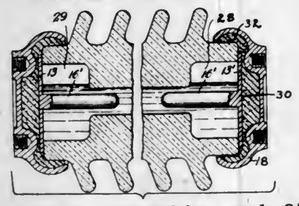
Starch boiling apparatus comprising a boiler adapted for the reception of an aqueous starch mixture, a source of steam supply, steam conducting means leading from said source of steam supply to the interior of said boiler, a second steam conducting means independent of said first-named means for leading steam from said source of supply to the interior of said boiler, means in said first-named steam conducting means for delivering steam through said boiler at a given pressure, means in said second steam conducting means for controlling the flow of steam therethrough to deliver steam to said boiler at a lower pressure than said first means, a shut-off valve in each of said steam conducting means, and means responsive to the temperature of the aqueous starch mixture in said boiler to effect the automatic closing of the shut-off valve in said first steam conducting means and the opening of the shut-off valve in the second steam conducting means when said mixture attains a predetermined temperature.

2,253,263
TEMPERATURE INDICATING AND TEMPERATURE CONTROLLED AND CONTROLLING DEVICE
Stewart K. Brown, Alexandria, Va., and Wellington B. Sullivan, Silver Spring, Md.
Application December 20, 1939, Serial No. 310,260
13 Claims. (Cl. 116—101)



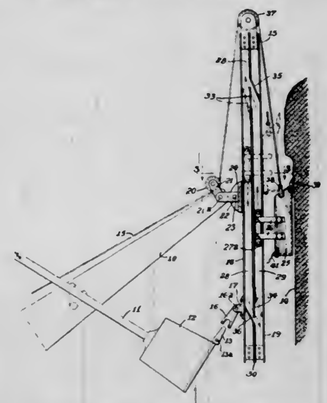
1. In combination, signaling means controlled by temperature changes beyond a pre-determined degree, and a heat transmitting, metallic mass permanently magnatized and with respect to which mass said signaling means is mounted in heat exchange relation and through which mass heat is transmitted for the control of the signaling means.

2,253,264
TUBULAR INSULATOR
Wade H. Burleson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application March 1, 1940, Serial No. 321,661
5 Claims. (Cl. 174—12)



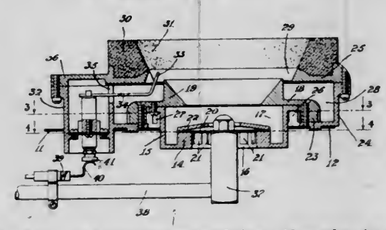
1. An insulator comprising end fittings, a tubular dielectric member connecting said fittings and secured to said fittings for transmitting the mechanical load on said insulator from one of said fittings to the other, said dielectric member having imperforate metal discs soldered to the opposite ends thereof, hermetically sealing the opening in said insulator, a dielectric liquid disposed within said opening and metal electrodes secured to said discs and and extending inwardly toward each other but separated from each other by the dielectric filling liquid in said opening, said filling liquid forming a continuous barrier across the space between said electrodes, the spacing between electrodes and the dielectric strength of the filling liquid being sufficient to remove any danger of discharge through the center of the insulator.

2,253,265
SLOPER
Walter V. Cornett, Brooklyn, N. Y.
Application August 30, 1939, Serial No. 292,579
8 Claims. (Cl. 214—102)



6. In combination with an excavating shovel having a boom and a shovel scoop carried thereby, a track member pivotally attached to said boom and scoop whereby said track may be held in rigid operating position at various angles relative to said boom, a bucket mounted on said track, and means for moving said bucket therealong.

2,253,266
OIL BURNER
William J. Debler, Philadelphia, Pa., assignor to Loyd I. Aldrich, Peoria, Ill.
Application November 21, 1939, Serial No. 305,425
6 Claims. (Cl. 158—28)



1. An oil burner embodying therein two co-axial walls forming a primary air chamber, the inner of said walls having an air input chamber within same and obliquely extending openings connecting said chambers, a top closure for said input chamber having a nozzle opening therethrough, a top ring projecting inwardly from said outer wall to above said inner wall, said ring having an upwardly and outwardly extending inner surface co-axial inner and outer walls about said primary air chamber forming a secondary air chamber, the inner wall of which is

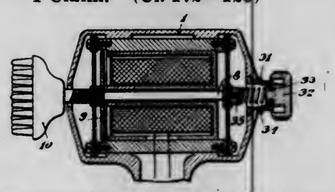
spaced from the outer wall of said primary air chamber to form an air input channel, said last named inner wall having obliquely extending openings therethrough connecting said channel and said secondary air chamber, a top ring for said secondary air chamber extending toward but spaced from the top ring of the primary air chamber, and refractory material carried by the top ring of said secondary air chamber, said refractory material having an outwardly and upwardly inclined inner surface, a vertically extending oil jet nozzle positioned below the top ring of said primary air chamber, ignition means, means whereby air is delivered to said primary air input chamber and said secondary air input channel, and means whereby oil is delivered to said nozzle.

2,253,267

ALTERNATING CURRENT VIBRATORY APPARATUS

Theodore Dietrich, Geneva, Switzerland, assignor to the firm Sodeco, Societe des Compteurs de Geneve, Chemin Chandieu, Geneva, Switzerland, a firm of Switzerland

Application November 17, 1937, Serial No. 175,150
In Switzerland January 29, 1937
1 Claim. (Cl. 172—126)



Vibratory electric motor comprising in combination a casing, a hollow handle formed integral with said casing and transversed by the lead wires to the motor, a frame mounted within said casing, an electro-magnet having a tubular core carried by said frame, transversely extending blade springs disposed on either side of said electromagnet and having their ends connected to said frame, a reciprocating rod passing through said core and projecting therefrom at both ends, said rod being fixed to and resiliently supported and limited in its movement in both directions by means of said blade springs, an armature secured to one end of said rod and disposed between one of said blade springs and said core, a pressing coil spring bearing upon the other end of said rod on the outer side of the other of said blade springs, said coil spring being adapted to oppose the attractive force of the electromagnet, and an operating member threaded into said casing and bearing against said coil spring to regulate its pressure for adjusting the tension of both said blade springs and varying the air gap and consequently the attractive force of the electromagnet.

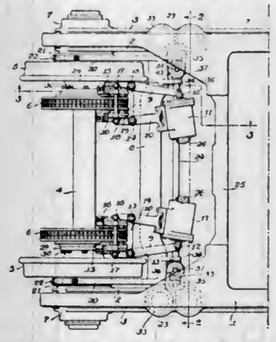
2,253,268

BRAKE MECHANISM

Carolus L. Eksergian and Joseph H. Coombes, Detroit, Mich., assignors to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 1, 1940, Serial No. 321,688
13 Claims. (Cl. 188—59)

1. A brake mechanism comprising a rotary element, means frictionally engageable therewith, a yoke supporting said means, said yoke being pivotally supported about an axis substantially coaxial with the axis of the rotary element, and yieldable supporting means cooperating with said yoke to limit the rotation of the yoke about its pivot, and acting on said yoke



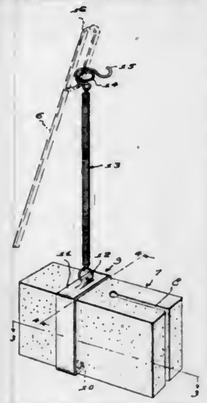
substantially in alinement with the center of percussion thereof.

2,253,269

WIPER

Robert W. Gaddis, Poughkeepsie, N. Y.

Application March 8, 1940, Serial No. 323,006
1 Claim. (Cl. 15—210)



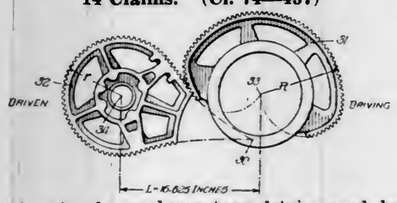
In a wiper support, a coil spring, an eye formed on one end of said spring, a wiping element connected with said eye, a coil member adapted to pass through a handle of a gauge rod and having one end secured to the other end of the spring and having the other end thereof extended and bent to form a hook to engage the eye for removably supporting the wiper element in close proximity to the handle of the gauge rod.

2,253,270

GEAR

Hyman E. Golber, Chicago, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application June 7, 1939, Serial No. 277,858
14 Claims. (Cl. 74—437)



1. A pair of complementary driving and driven

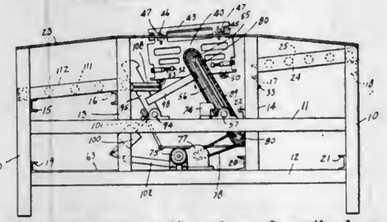
gears having roll-curves shaped, when the gears are intermeshed and the driving-gear is rotated about its axis in a predetermined manner, to angularly revolve the driven-gear about its axis, for at least a part of its complete revolution, at a constant rate of change of acceleration, the toothed edge of each gear being free from cusps.

2,253,271

MIXING MACHINE

Walter H. Hamilton, Fort Worth, Tex., assignor to Bottlers Equipment Company, Fort Worth, Tex., a corporation

Application February 16, 1940, Serial No. 319,211
4 Claims. (Cl. 259—54)



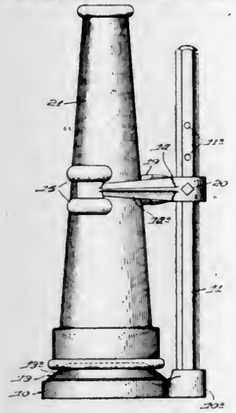
1. In apparatus of the class described, a rotatable container adapted to receive a case of bottled goods, latching means carried by the container and normally holding a case in said container during rotation thereof, latch operating means movably mounted adjacent said container and movable into and out of the path of rotation of said latching means, power means for rotating said container, power transmission means connecting said power means and said container including an endless sprocket chain, an attachment carried by said sprocket chain, and means engageable by said attachment after a predetermined period of rotation of said container and adapted when so engaged to move said latch operating means into the path of rotation of said latching means, said latching means being operated by engagement with said latch operating means to release said case from said container.

2,253,272

NOZZLE HOLDER

Elwood E. Hansen, Elkhart, Ind., assignor to Elkhart Brass Mfg. Co., a corporation of Indiana

Application September 30, 1940, Serial No. 359,156
1 Claim. (Cl. 248—75)



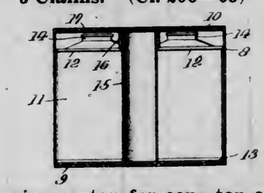
A device for supporting a fire hose nozzle when not in use, comprising: a base; a resilient supporting pad on the base adapted to project into the larger end of a nozzle when resting on said pad with its smaller end uppermost; a vertical post supported on the base at one side thereof; and a clamping member mounted for vertical adjustment on said post, said clamping member having spaced jaws each of which carries a rotatable resilient member, whereby, a nozzle when disposed with its larger end on said pad and its smaller end uppermost, may have its body forced between said rotatable members and held in position thereby.

2,253,273

SHIPPING CARTON FOR CONE TOP CANS

John Haycock, Larchmont, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application June 10, 1940, Serial No. 339,794
3 Claims. (Cl. 206—65)



1. A shipping carton for cone top cans having reduced neck portions projecting above the end seams thereof, comprising a body portion adapted to receive four or more cans, end closures for said body portion, the distance between the end closures being slightly greater than the overall height of the cans, and a retainer member located in the space between a group of cans and dimensioned so as to engage the closure ends of said carton, said retainer member having means overlying and in contact with the end seams of each can of the group for preventing endwise movement of the cans in the carton.

2,253,274

METHOD OF MAKING PIGMENTS

Joseph C. Heckman, Pittsburgh, Pa., assignor to Potter Title and Trust Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application June 3, 1940, Serial No. 338,557
10 Claims. (Cl. 106—304)

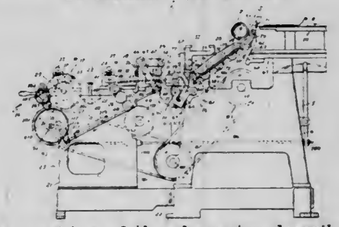
1. The method of making pigment material, which comprises calcining a mixture containing sulphate of iron and a cyanogen-bearing material.

2,253,275

LAMINATED TUBE WINDING MACHINE

Otto M. Hoch, Rochester, and Carl J. Studeman, Webster, N. Y., assignors to M. D. Knowlton Co., Rochester, N. Y., a corporation of New York

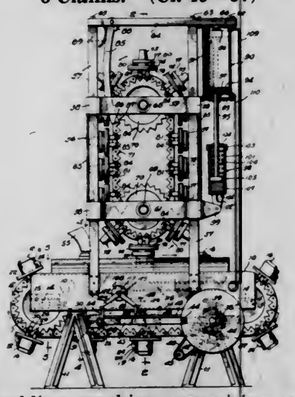
Application July 31, 1940, Serial No. 348,856
14 Claims. (Cl. 93—81)



1. A machine of the character described com-

prising a mandrel, means for winding sheet material on said mandrel to form convolute tubes, means for continuously feeding a strip of material, means for cutting said strip into predetermined lengths, and means for interleaving said lengths in the convolutions of said sheet of material.

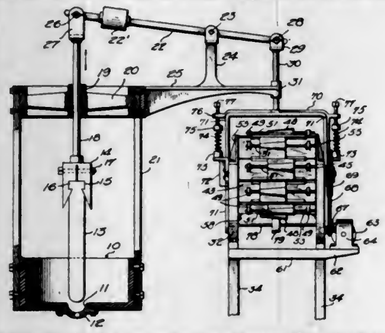
2,253,276
GLASS PRESSING MACHINE
Thomas H. Jeffers, Paden City, W. Va.
Application August 30, 1938, Serial No. 227,577
8 Claims. (Cl. 49—37)



6. A molding machine comprising an endless conveyor, a plurality of two-part mold members carried thereby, driving mechanism including means for effective step by step movement of said conveyor to move said mold members successively into a predetermined position, stationary means between and in engagement with which each two-part mold member travels to and past said predetermined position to be maintained in closed position, a second endless conveyor mounted above said first named conveyor, a plurality of complementary mold members carried by said last named conveyor, means for moving said second named conveyor toward and away from said first named conveyor, control means for rendering said last named means operative, means operated by said driving mechanism for actuating said control means, and automatic means operable upon the upward movement of the second named conveyor to move one of the complementary mold members carried thereby into registration with one of said first named mold members when the latter is in said predetermined position.

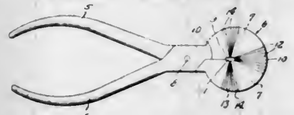
2,253,277
GLASS FEEDING DEVICE
Thomas H. Jeffers, Paden City, W. Va.
Application December 8, 1939, Serial No. 308,247
8 Claims. (Cl. 49—55)

1. In a glass feeding mechanism, a container for molten glass having a discharge orifice, a plunger mounted for reciprocation in said container to effect the discharge of glass through said orifice, and means for effecting reciprocation of said plunger comprising an endless chain mechanism, a plurality of cams connected to move with said endless chain mechanism and tapered to vary in size transversely of the direction of movement of said chain mechanism, and motion transmitting means connected to said plunger and having a member successively engageable with said cams to effect reciprocation of said plunger, at least one of said cams being constructed and arranged with respect to said chain



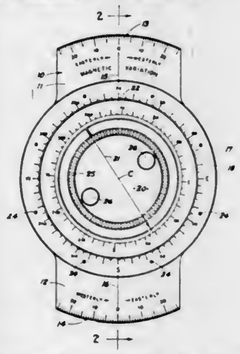
mechanism to be moved transversely of the direction of travel thereof to vary the distance of reciprocation of said plunger.

2,253,278
GAUGE AND TOOL
Howard Sherman Lewis, Detroit, Mich.
Application May 8, 1940, Serial No. 334,064
1 Claim. (Cl. 33—200)



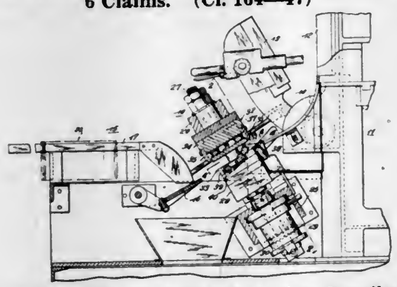
A tool for gauging and angularly adjusting one part of a device relative to another comprising a pair of handles pivotally connected at a pair of adjacent ends thereof, jaws on the pivoted ends of the handles, said jaws being in the form of plates and arranged so that a pair of opposed edges thereof can be brought snugly together when the handles are contracted, said opposed edges having opposed work-receiving recesses therein, said jaw plates having gauge lines on one side thereof extending from the said recesses to the outermost edges of the plates.

2,253,279
NAVIGATING INSTRUMENT
Paul W. Loew, Chicago, Ill., assignor of one-half to Ernest R. Becker, Oak Park, Ill.
Application August 21, 1940, Serial No. 353,513
6 Claims. (Cl. 33—1)



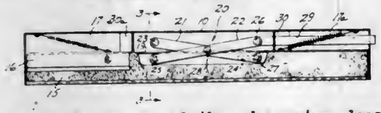
1. A navigating instrument for vessels comprising in combination an inner circular rotatable course indicator having a radial course indicating line extending toward the periphery thereof, a compass ring graduated in accordance with the successive positions which the compass needle of the vessel with which the instrument is to be used will assume with reference to the graduations on a true compass ring when the vessel is swung or rotated about a substantially vertical pivot, the said ring surrounding the said course indicator, an annulus surrounding the compass ring and graduated to represent a true magnetic compass card, and an extension of the said annulus having a north-and-south indication registering with a north-and-south indication on the annulus and provided with variation-indicating graduations extending on opposite sides from its north-and-south indication, and means securing the compass ring to and within the annulus with its north point in the relation to the north point on the said annulus as determined by swinging the vessel about said pivot, the course indicator, the compass ring, the annulus and the extension being of transparent material.

2,253,280
ARTICLE TRIMMING APPARATUS
Henry W. Lormor, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application February 5, 1940, Serial No. 317,288
6 Claims. (Cl. 164—47)



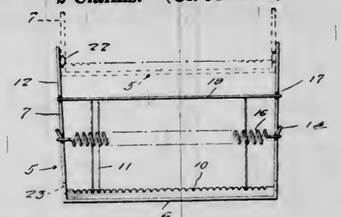
1. In apparatus of the character described, a pair of cooperating relatively movable die members adapted to receive therebetween and operate on articles of the type having projecting lugs, one of said members having a pair of spaced article positioning stops adapted to be engaged by said lugs and mounted for lateral movement for variation of the spacing thereof for cooperation with articles of different proportions, and adjusting means having right and left-hand threads and operable for simultaneously moving said stops toward or away from each other.

2,253,281
DRAFT CHECK
Christian E. Marx, Eddy H. Marx, and Irving E. P. Marx, Beverly Hills, Calif.
Application February 12, 1940, Serial No. 318,536
3 Claims. (Cl. 20—68)



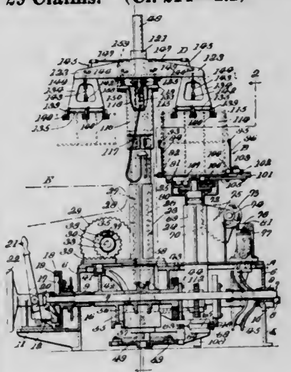
1. A draft check of the character described which includes: a housing adapted to be installed in the style of a door; a clip member within said housing and extending the entire length thereof; a straight-line mechanism within said housing adapted to move said clip member out of said housing and consisting of a pair of crossed links pivotally connected together in the center, the upper end of one link being pivotally connected to said housing and the lower end of said link being pivotally and slidably attached to said clip member, the lower end of said second link being pivotally attached to said clip member; means for operating said straight-line mechanism, consisting of a bar pivotally attached to the upper end of said second link and adapted to bear against the jamb of the door when said door is closed; guide means for restricting the movement of said bar and supporting it; spring means urging said clip within said housing; and sealing means held by said clip means and adapted to completely close the space between said door and the adjacent floor.

2,253,282
X-RAY FILM HOLDER
William L. Medalie, Chisholm, Minn.
Application April 15, 1940, Serial No. 329,809
2 Claims. (Cl. 95—100)



1. A film holder comprising an open tray having a bottom and end walls, means carried by the tray for supporting film in spaced relation therein, said end walls of a pair of the trays being adapted for nesting engagement and having openings adjacent the bottom thereof and protuberances on the inside of the walls adjacent the top thereof for insertion in the openings of the nested trays for retaining the trays in nested position.

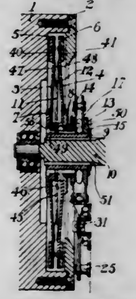
2,253,283
CARTON HANDLING AND UNLOADING MACHINE
Herbert L. Minaker, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application January 4, 1940, Serial No. 312,429
29 Claims. (Cl. 214—1.1)



3. In a machine of the character described, a

support for a carton from which cans arranged in upper and lower tiers are to be unloaded tier after tier, can unloading means including a cross arm pivotally mounted intermediate its ends and having its ends diametrically oppositely disposed, can gripping means carried by each end of said cross arm, means for moving the cross arm ends about the pivot through successive arcs of 180° each to successively present each cross arm end at a receiving station over a carton and then over a delivery station, means for bringing about relative movement between the carton support and the can gripping means as they are presented at the receiving station to cause the superposed can tiers to be presented one after the other in position for being gripped by a gripping means, means for moving each receiving station presented gripping means toward the carton support to position said gripping means in gripping relation to a tier of cans, means for moving the carton support toward alternately presented gripping means for positioning lower tiers of cans for being gripped by said gripping means, means at the receiving station for causing each gripping means to grip cans, and means at the delivery station to cause each gripping means to release cans.

2,253,284
CLUTCH
Lucien Bertrand, Paris, France, assignor, by mesne assignments, to Borg Warner Corporation, a corporation of Illinois
Application March 9, 1938, Serial No. 194,809
In France February 9, 1938
4 Claims. (Cl. 192—70)



1. A friction clutch having relatively short axial dimension comprising a driving assembly including driving members having inwardly opposed friction engaging surfaces, said surfaces being substantially parallel to one another and axially separated a distance slightly greater than the normal peripheral thickness of a driven disk assembly to be interposed therebetween, a driven shaft having an axis of rotation common to the axis of rotation of said spaced driving members, and a clutch driven assembly mounted concentrically upon said shaft in driving engagement therewith and with its peripheral region located between said opposed friction engaging surfaces, said clutch driven assembly including friction facings mounted for movement relatively toward and away from one another with their remote faces adapted to engage the adjacent of said friction engaging surfaces on said driving members when the facings are moved relatively apart, and Belleville washer spring means of relatively shallow axial dimension, contained entirely within the confines of and supported by said driven assembly, acting normally to urge said friction facings relatively apart for clutch engagement.

2,253,285
CRACKING OIL BY LEACHED ZEOLITES
Gerald C. Connolly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 29, 1938, Serial No. 198,689
3 Claims. (Cl. 196—52)

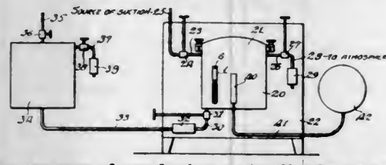
2. A method of cracking hydrocarbon oil which comprises passing said oil while at cracking temperature in contact with an adsorptive catalytic mass consisting principally of silica and alumina formed by acid treating a zeolite compound containing an exchangeable base in an amount suitable for use as a water softening agent, continuing said treatment until the resulting product is substantially free of said base exchange component and has an apparent density between 0.4 and 0.8, the resulting product having a molar ratio of silica to alumina between the limits of 5 to 1 to 20 to 1, and maintaining said oil in contact with said catalyst until the desired cracking is obtained.

2,253,286
ARTICLE HANGER
James E. Cronan, Detroit, Mich.
Application June 16, 1938, Serial No. 214,000
1 Claim. (Cl. 211—115)



An article hanger consisting of a plurality of arms having bent end portions constituting article supporting hooks, a central body in which said arms are fixedly secured and from which said arms radiate outwardly, said central body having a central opening adapted to receive an attaching and supporting element from beneath for securing the central element to the underside of a shelf for rotation about a vertical axis, an anti-friction element adapted to fit between said central body and said shelf and adapted to be maintained in interposed relation therebetween by said supporting element, said arms also being bent downwardly from the normal horizontal plane of the central body in such manner that the hook portions are disposed in spaced relation to a shelf to which the central body is so secured.

2,253,287
SUTURE AND METHOD OF PACKAGING AND STERILIZING THE SAME
Walter S. Davis, Los Angeles, Calif., and Charles T. Davis, Chicago, Ill., assignors of twenty per cent to Walter W. Pitann, twenty per cent to Arthur Pitann, twenty per cent to Alexander I. Newman, five per cent to Michael M. Newman, and eight and three-fourths per cent to Haldane Cleminson, all of Chicago, Ill.
Application July 14, 1939, Serial No. 284,388
1 Claim. (Cl. 128—335.5)



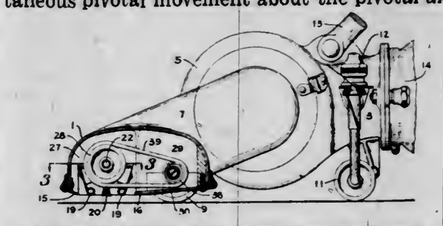
The process of producing a sterilized and packaged suture which comprises placing the suture in an open-ended tube at a point spaced from the open end of said tube; closing the tube against ingress of microorganisms with a porous plug adapted to pass a preserving liquid; subjecting the tube and its contents to heat at a sterilizing temperature in a hermetically closed sterilizing chamber for a predetermined period of time, and subjecting said tube to a vacuum concurrently with the heating for removing the moisture from the tube and its contents; introducing suture preserving liquid into said sterilizing chamber to a depth to submerge said tube in said liquid; causing a reduction of the pressure in said sterilizing chamber by application of a predetermined degree of vacuum to remove a predetermined amount of air from said tube, then reestablishing atmospheric pressure in said sterilizing chamber, while said tube is submerged, to cause the preserving liquid to filter through the plug into said tube to a predetermined depth; removing the excess of preserving liquid from said sterilizing chamber; drying off the preserving liquid from said plug; and then without removal of the porous plug sealing said tube at a point between the level of said liquid in said tube and the said plug, whereby, bacteriologically, the process forms a closed system.

2,253,288
WHEELBARROW
Albert P. De Lucchi, San Francisco, Calif.
Application December 17, 1940, Serial No. 370,468
3 Claims. (Cl. 180—19)

1. In a wheelbarrow having a load carrying body supported by a frame having a pair of handles at one end and a ground wheel at the other end, the improvement which comprises providing an internal combustion engine with clutch mounted on said frame under the body of the wheelbarrow and having a power delivery shaft, a power reduction drive connecting said shaft with said ground wheel for driving the wheel, a hand grip movably mounted on one of said handles, and motion transmission means extending from said hand grip to the clutch for controlling its operative engagement with said ground wheel, said clutch being of the type normally spring disengaged so that upon releasing said hand grip the power drive connection to said ground wheel will be disconnected.

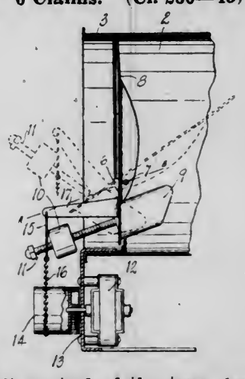
2,253,289
SUCTION CLEANER
Harry S. Demaree, Chicago, and William D. Sellers, Glen Ellyn, Ill., assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 16, 1936, Serial No. 116,076
13 Claims. (Cl. 15—6)

1. In a suction cleaning apparatus including a body portion, a rotating source of power and a pivoted agitating element mounted on said body portion, an unbalanced mass rotatable about an axis parallel to the pivotal axis of said agitating element and mounted for pivotal movement about the said axis of said agitating element under the forces set up by its own rotation, said element and said mass being connected for simultaneous pivotal movement about the pivotal axis,



and means actuated by said power source to rotate said mass.

2,253,290
DRAFT CONTROL
Edward A. Field, Jr., Chicago, Ill.
Application April 29, 1940, Serial No. 332,235
6 Claims. (Cl. 236—45)



5. A draft control of the type described comprising a support having an opening and a stabilizer gate pivotally mounted thereon to control said opening, adjustable counterweight means on said gate normally exerting torque thereon tending to pivotally swing the same in one direction, and means for exerting variable torque on the gate to modify the action of said counterweight means, comprising a stalling motor, a rotatable drum actuated by the shaft of said motor, and a flexible connection from said drum to said gate, said flexible connection being secured to the gate at a point on a theoretical line through the pivot of the gate parallel to the torque arm of said counterweight means to exert torque thereon varying in the manner of the counterweight torque when the motor and drum are actuated.

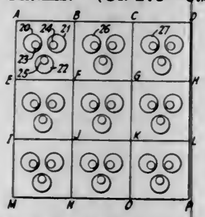
2,253,291
PROCESS FOR THE MANUFACTURE OF HOLLOW ROTATING BODIES
Rudolph Fraknoi, Matyasfold, Hungary, assignor to Magyar Ruggyantaarugyar Reszvenytarsasag, Budapest, Hungary
Application November 11, 1937, Serial No. 173,998
In Hungary November 21. 1936
9 Claims. (Cl. 18—56)



1. A process for the manufacture of hollow rubber articles from unvulcanized rubber sheets which comprises covering a cooled mould having

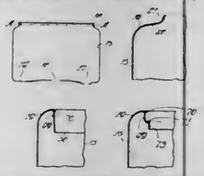
cavities provided with peripheral flat top ribs extending above the plane of said mould, with a raw rubber sheet, drawing parts of said sheet into said cavities by means of a cold cooperating tool, causing said parts of said sheet drawn into said cavities to adhere by suction to the wall of said cavities, removing said cooperating tool, introducing an inflating agent into said cavities, superposing another mould provided with a similar sheet upon said mould, pressing said moulds to each other while imparting a welding temperature to said moulds, thereby stamp-welding the parts of the article within the cavities of the moulds and cutting the remaining part of the sheets in strips, pulling out said strips from said moulds, heating the walls of said cavities to a vulcanizing temperature and vulcanizing said articles.

2,253,292
COLOR TELEVISION SYSTEM
Alfred N. Goldsmith, New York, N. Y.
Application February 27, 1939, Serial No. 258,598
15 Claims. (Cl. 178—5.2)



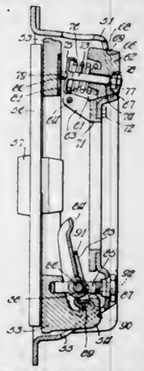
1. A color television system comprising means for sequentially scanning and developing signals representative of the color components of an optical image to be reproduced, means for transmitting said signals, means for receiving said signals, a plurality of independent reproducing means for reconstructing substantially the same sectional area of the transmitted image in a different primary color, and means for projecting said reproduced sectional-area images as juxtaposed bi-dimensional partial image areas to form a composite color reproduction.

2,253,293
METHOD OF MAKING TUBS
Edward J. Greif, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Original application April 9, 1937, Serial No. 135,990, now Patent No. 2,225,988, dated December 24, 1940. Divided and this application November 30, 1938, Serial No. 243,170
5 Claims. (Cl. 153—2)



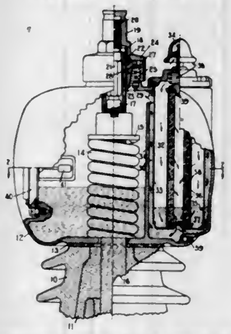
1. The steps in the method of forming a cover seat in a large-volume receptacle, consisting in forming a bottle-neck in the open end of the receptacle by rolling said open end inwardly, and thereafter folding the end region of said bottle-neck axially into the receptacle by means of purely axial pressure directed toward the bottom of the receptacle, while frictionally engaging the lateral exterior surface of the receptacle so as to absorb said axial pressure to prevent deformation of the side wall of the receptacle under said pressure.

2,253,294
FRICTION CLUTCH
Charles William Higgs, London, England, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 7, 1938, Serial No. 189,067
In Great Britain February 8, 1937
4 Claims. (Cl. 192—105)



1. In a centrifugal clutch, a cover plate, a pressure plate, weighted levers pivotally mounted at their ends adjacent the axis of the clutch in brackets associated with said cover plate, for swinging movement in planes radiating from the axis of the clutch, said levers projecting in a generally radial direction so that the brackets take the outward component of the centrifugal force developed in said levers, and resilient thrust elements for transmitting the force thus centrifugally developed, from the levers to the pressure plate, the engaging pressure being provided wholly by the centrifugal force thus developed, and the extension of said resilient thrust elements being limited to permit the entire release of pressure from the pressure plate.

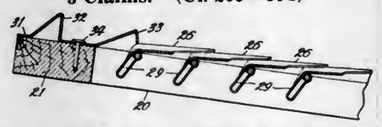
2,253,295
BREATHER FOR LIQUID CONTAINERS
Ralph Higgins, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application August 3, 1938, Serial No. 222,826
7 Claims. (Cl. 220—85)



1. The combination with a container for liquid of a liquid seal for said container comprising two legs having a communicating passage connecting

the lower ends of said legs and liquid in said passage and extending into said legs, the pressure in one leg being balanced against the pressure in the other through the liquid in said passage, said seal having one leg thereof communicating with the interior of said container and the other leg thereof communicating with the outer atmosphere, said last named leg having space therein connected with the outer atmosphere and with said passage and in which space said liquid rises and falls according to the pressure within said container and a treating medium interposed in the path of travel between said space and the other leg of said seal and arranged so that air may pass freely from said space to the outer atmosphere without passing through said treating medium but must penetrate said treating medium to travel from said space through said passage so that during normal limited breathing of said container the greater portion of the air passing to and from said seal will not penetrate said treating medium, but so that any air passing from the outer atmosphere to the space within said container must pass through said medium.

2,253,296
SCREEN FOR THRESHING MACHINES
William A. Holtzman, Peoria, Ill., assignor to Hart-Carter Company, Peoria, Ill., a corporation of Delaware
Application November 21, 1938, Serial No. 241,615
3 Claims. (Cl. 209—394)



1. In a chaffer pan device for threshers, a frame, hinged adjusting wires extending cross wise of said frame, slat adjusting mechanism coacting with said cross wires, baffle slats attached to said wires, each of said baffle slats being abruptly bent intermediate its side edges to form a flat front finger section and a downwardly bent rear blast deflector section, said finger section having multiple longitudinal fingers formed cross wise of the slats extending approximately half way across the front of the finger section, each of said fingers and aligned portions of the finger sections being formed in convex cross section, each of said fingers overlapping the aligned portion of the adjacent finger section by approximately half the length of the finger.

2,253,297
GELATINOUS SOLUTIONS OF CELLULOSE COMPOUNDS
Albert Aubrey Houghton, Saltcoats, and James Craik, Stevenston, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 3, 1938, Serial No. 233,116. In Great Britain October 5, 1937
16 Claims. (Cl. 260—212)

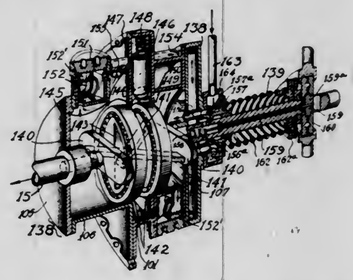
1. A method of manufacturing cellulose derivative compositions which comprises bringing into a syrupy solution in aqueous caustic alkali of 4.5 to 10% concentration a cellulose derivative having less than one substituent group per glucose unit, insoluble in water, soluble in said caustic alkali solution, and selected from the class consisting of cellulose esters and cellulose ethers, treating the solution at a temperature within the range −10° to +10° C. with a coagulating agent therefor in amount insufficient to bring about any substantial lack of fluidity at the temperature employed but sufficient at normal temperature to induce gelatinous properties and then permitting the solution to return to normal temperature whereby gelatinous properties are induced.

2,253,298
BUILDING BOARD
Hubert J. Hyde, Detroit, Mich.
Application September 9, 1938, Serial No. 229,166
2 Claims. (Cl. 20—5)



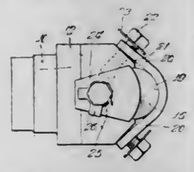
1. A building material comprising a wooden board adapted to be secured directly to the frame studs of a building, said board having a surface having a multiplicity of preformed indentations, a weather covering for said surface and a multiplicity of pebbles having one portion of each thereof exposed outwardly of said covering and each having another portion thereof extending into said indentations for engagement therewith, said pebbles and said covering presenting a substantially smooth finish.

2,253,299
ROTARY CLUTCH
Frank A. Howard, Elizabeth, N. J.
Original application January 3, 1933, Serial No. 650,018. Divided and this application April 2, 1938, Serial No. 199,551
6 Claims. (Cl. 192—58)



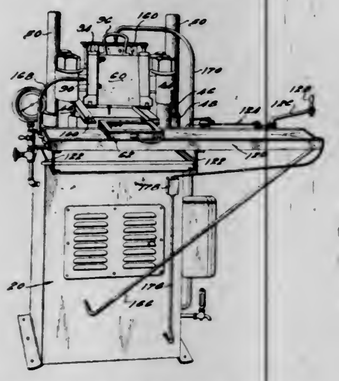
1. In a clutch, two shafts co-axial with respect to each other, a casing rigidly secured to the first shaft and encircling the adjoining end of the second shaft, an annular chamber in the casing, a cylindrical piston secured to the second shaft contacting with the side and end walls of the chamber, movable mechanism cooperating with the piston to divide the chamber circumferentially into compartments, means for varying the radial position of the piston with respect to the second shaft, the compartments adapted to contain fluid whereby rotation of the casing transmits torque to the piston through the fluid when the piston is in off-centered position, and V-shaped grooves in the side walls of the annular chamber extending radially outwardly from the base of the annular chamber increasing in width and depth toward the center of the chamber to permit of controlled leakage of the oil from the chamber.

2,253,300
UNIVERSAL JOINT
Ernest J. Karlberg, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application August 24, 1938, Serial No. 226,471
5 Claims. (Cl. 64—17)



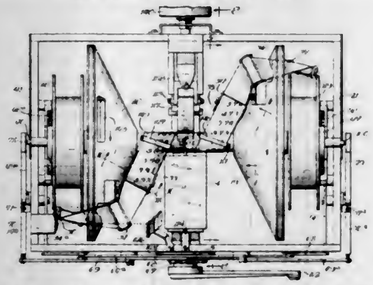
1. In a universal joint including a pair of yokes and a spider member interposed therebetween having radially extending trunnions carried by said yokes, bearing sleeves on each of said trunnions, at least one of said bearing sleeves being fastened to its respective yoke by means of a steel strap, said strap having a central arcuate portion engaging said sleeve and a pair of oppositely extending substantially tangential end portions arranged to be fastened to its corresponding yoke, said yoke being formed with a complementary attaching face on each side of said sleeve for the reception of said end portions, the planes of said faces extended intersecting said bearing sleeve, bolts passing through said end portions of said strap and received in threaded openings in said faces at substantial right angles thereto, whereby when said bolts are tightened said strap is distorted into conformity with said faces and thus tightly clamp said sleeve to said yoke.

2,253,301
CAPSULE FORMING MECHANISM
Alfred W. Kath and Arthur Colton, Detroit, Mich., assignors to Arthur Colton Company, Detroit, Mich., a corporation of Michigan
Application January 9, 1939, Serial No. 249,913
10 Claims. (Cl. 18—21)



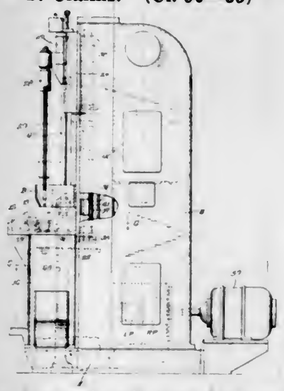
1. In a machine for forming liquid filled gelatine capsules and the like, in combination, a platen, a die member associated therewith, and means for slidably guiding said die member into and out of operative engagement with respect to said platen, said means projecting laterally beyond said platen and including a hinged section whereby said die member may be transferred to said hinged section and swung bodily therewith out of its normal plane of operation.

2,253,302
SOUND ON FILM
John Ripley Kiel, Evanston, Ill., assignor to Mary R. Kiel, Wilmette, Ill.
Application October 27, 1938, Serial No. 237,225
16 Claims. (Cl. 274—11)



1. In a machine of the class described, having a recording stylus and a reproducing stylus, a mandrel, a pair of reels, a film strip on said reels spirally wound about said mandrel, film feeding means for feeding the strip of film about said mandrel and causing relative movement thereto with respect to said mandrel in either direction, means for rotating said mandrel, a recording head, means for moving said recording head into and out of engagement with said film, means for causing said film to move in one direction and at a given rate of speed at the instant said recording head engages said film, means for causing said film to reverse its direction of movement relative to said mandrel, and means for causing said film to move in the same direction as when recording but at an increased rate of speed when said reproducing head engages said film.

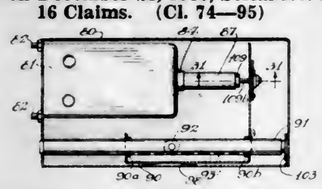
2,253,303
BROACHING MACHINE
Francis J. Lapointe, Ann Arbor, Mich., assignor, by mesne assignments, to American Broach & Machine Co., Ann Arbor, Mich., a corporation of Michigan
Application January 10, 1938, Serial No. 184,176
17 Claims. (Cl. 90—33)



1. In an internal pull broaching machine, a frame, a work supporting fixture mounted on said frame, a main power driven slide mounted on said frame for reciprocation relative to said work supporting fixture, said slide having broach engaging means near one end for one end of the broach and near the other end having a reduced portion providing longitudinally extending ways,

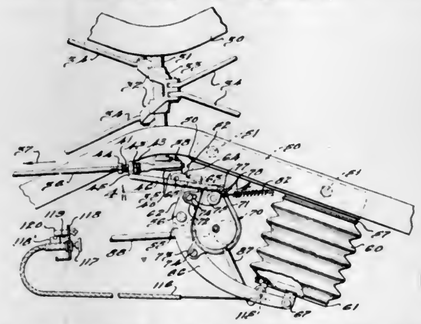
and mechanism for handling the broach by its other end including an elevator slidably mounted in the ways of the reduced portion of the main slide.

2,253,304
PERMEABILITY TUNER AND OPERATING MECHANISM THEREFOR
Philip K. McGall, Chicago, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application December 24, 1937, Serial No. 181,674
16 Claims. (Cl. 74—95)



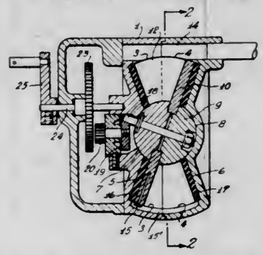
1. Operating mechanism for a device of the class described, including in combination a housing having side, bottom and end walls, a supporting rod having connection at its end portions with the end walls of said housing, a longitudinally movable carriage having end walls provided with bearings engaging said supporting rod with a sliding fit, a rotary operating rod extending transversely of said supporting rod adjacent said carriage and supported by said housing, and a flexible cable tightly wrapped around said operating rod and extending in opposite directions therefrom and connected with the end walls of said carriage.

2,253,305
AUTOMOTIVE VEHICLE BRAKE SYSTEM
Gilbert E. Porter, Mount Clemens, Mich., assignor, by mesne assignments, to Power Devices Development Company, East Detroit, Mich., a corporation of Michigan
Application August 29, 1938, Serial No. 227,248
11 Claims. (Cl. 188—152)



1. In power operating mechanism for brake means of an automotive vehicle including a frame, a source of suction, manual brake operating means, a lever pivoted intermediate its ends at a point stationary relative to said frame, a bellows having a pair of end elements one movable and the other stationary relative to said frame, said movable element being connected to one end of said lever, the opposite end of said lever being connected to said manual brake operating means, a valve means carried by said lever, means connecting said manual brake operating means to said valve means for connecting said source of suction to said bellows for evacuating the same and cause rotation of said lever and application of said brake means, and an inertia member, said valve means being operable in response to rotation of said lever to shut off communication between said source of suction and said bellows, and said inertia member being operable in response to deceleration of the vehicle to operate said valve means so as to cut off communication between said source of suction and said bellows.

2,253,306
MOTOR
Karl K. Probst, Detroit, Mich., assignor, by mesne assignments, to William L. Hoburg, Sharpsburg, Pa., as trustee
Application January 20, 1939, Serial No. 251,939
6 Claims. (Cl. 121—69)



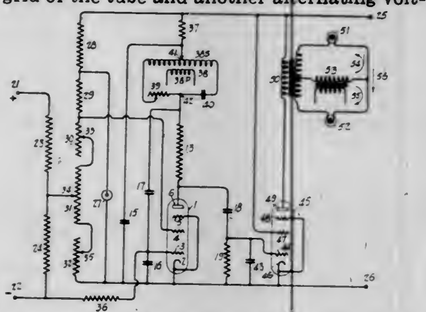
1. In a motor having inwardly converging conical end walls, a spherical side wall, a radial partition and inlet and outlet ports on opposite sides of the partition, a wobble plate mounted at the convergence of said conical walls, and elastic sealing pads interposed between said wobble plate and conical walls and in direct contact with said wobble plate, said wobble plate having a thickness such that it normally distorts the elastic pads at the lines of contact therewith.

4. A motor having an air inlet port open to the atmosphere and an outlet port adapted to be connected to a source of suction, said motor having inwardly converging conical end walls, a spherical side wall, a radial partition, said inlet port being disposed on one side of said partition and said outlet port being disposed on the other side, a wobble plate mounted at the convergence of said conical walls, and sealing pads interposed between said wobble plate and conical walls, said sealing pads being of a thickness such that they are normally compressed approximately .006 in., and having resilient qualities such that in the presence of such compression the reaction pressure thereof does not exceed approximately ten pounds.

2,253,307
ELECTRICAL CIRCUIT
Walther Richter, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application February 18, 1938, Serial No. 191,199
2 Claims. (Cl. 250—27)

1. A device for producing an alternating voltage which varies in magnitude and reverses in phase in response to variations in a unidirectional bias voltage comprising a vacuum tube with at least three elements, a cathode, a grid, and a plate; means for applying the unidirectional bias voltage to the grid of said tube; a source of alternating potential in the plate circuit of said tube; means distinct from the inter-electrode capacities of the tube for applying alternating potential from said source to the grid of the tube; and

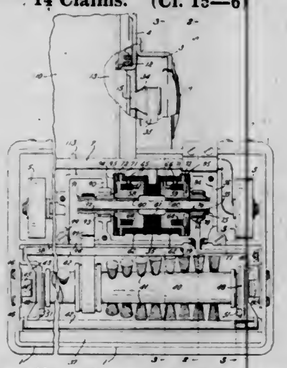
means for combining the alternating voltage produced by amplification of the voltage applied to the grid of the tube and another alternating voltage derived from the source of alternating potential so as to produce a resultant alternating voltage which varies in magnitude and direction in accordance with changes in the bias voltage.



2,253,308
DESULPHURIZATION OF HYDROCARBONS
Raphael Rosen, Elizabeth, N. J., assignor to Standard Catalytic Company
No Drawing. Application May 5, 1937, Serial No. 140,836
6 Claims. (Cl. 196—28)

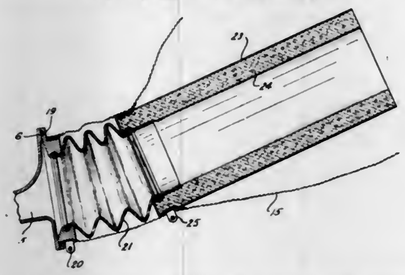
1. A process of desulphurizing a normally liquid hydrocarbon mixture boiling within the gasoline range and containing organically combined sulphur which comprises adding to said hydrocarbon mixture a hydrocarbon composition containing at least one carbocyclic hydrocarbon wherein two hydrogen atoms are attached to each of at least two nuclear carbon atoms, the carbocyclic hydrocarbon content of said hydrocarbon composition amounting to at least 10%, passing the resultant hydrocarbon mixture in contact with a dehydrogenation catalyst under dehydrogenating conditions at substantially atmospheric pressure and removing the hydrogen sulphide from the reacted mixture, the reaction being carried out in the absence of added free hydrogen.

2,253,309
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 7, 1938, Serial No. 183,741
14 Claims. (Cl. 15—6)



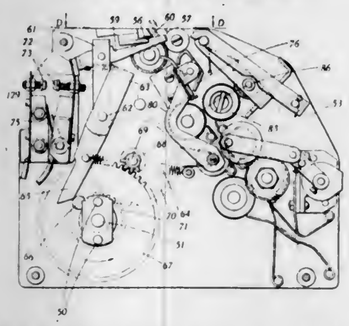
1. In a suction cleaner, a casing, suction-creating means in said casing, a driving motor connected to said means, a surface-brushing means, a surface-beating means, power transmission means connecting said brushing and beating means to said motor, and manually operable means operable from the exterior of said casing to connect and disconnect said brushing and beating means selectively and independently to said motor.

2,253,310
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 14, 1938, Serial No. 245,608
13 Claims. (Cl. 15—16)



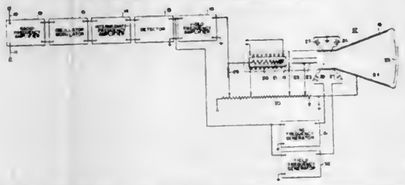
1. In a suction cleaner, a nozzle, an exhaust outlet, suction-creating means to draw air through said nozzle and expel it through said outlet, a filter bag connected to said outlet, sound-absorbing means in said bag, and an accordion-like rubber tube flexibly mounting said sound-absorbing means in said bag.

2,253,311
TICKET CONTROL DEVICE
Albert William Ward, Ickenham, England, assignor to Bell Punch Company Limited, London, England, a British company
Application June 6, 1938, Serial No. 211,986
In Great Britain June 12, 1937
16 Claims. (Cl. 101—66)



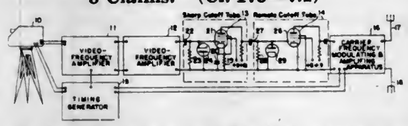
1. In a ticket control machine the combination of means for feeding a strip of tickets into the machine, means for severing each ticket of said strip into a plurality of substantial portions, means for guiding one portion of each of the tickets of the strip after severing to a position exterior of the machine, means effective upon insertion of a ticket strip to set the machine in operation, and means for interrupting the operation of the machine after a predetermined cycle.

2,253,312
TELEVISION SIGNAL-REPRODUCING SYSTEM
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application March 2, 1939, Serial No. 259,380
4 Claims. (Cl. 178—7.5)



1. A television signal-reproducing system comprising, signal-reproducing means, means for developing and applying to said reproducing means a signal having an amplitude level related to black which is substantially fixed and having an amplitude level corresponding to black which varies in accordance with operating conditions in said system, such variations tending to effect undesired variations of the contrast ratio of a reproduced signal of given amplitude, and means included in said reproducing means for imparting to said reproducing system an exponential signal-input brightness characteristic over the operating range of said system effective to provide a substantially constant contrast ratio for said reproduced signal irrespective of said black-level variations.

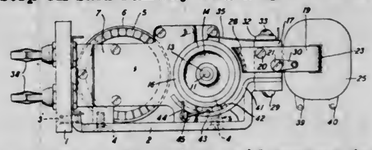
2,253,313
SIGNAL-TRANSLATING CHANNEL
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application August 9, 1939, Serial No. 289,116
8 Claims. (Cl. 178—7.1)



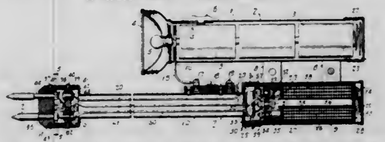
1. A signal-translating channel comprising, a first repeater stage including a vacuum tube having a given grid voltage-output current characteristic over a predetermined range of operation including a substantial nonlinear portion, a second repeater stage including a vacuum tube having a given grid voltage-output current characteristic over a predetermined range of operation geometrically similar to that of said tube of said first stage when plotted with interchanged coordinates, said stages being coupled in cascade in said channel, and means for applying the signal translated by said channel to said stages so that corresponding portions of the amplitude range of said signal fall on geometrically corresponding portions of their respective characteristics with opposite polarities, whereby signals translated through said channel are substantially undistorted by translation through said stages.

2,253,314
TIME DELAY RELAY
Thoralf Aamodt, Port Richmond, Staten Island, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 15, 1939, Serial No. 304,486
5 Claims. (Cl. 200—97)

1. In a time delay relay, an electromagnet having an energizing coil, a pair of electrically insulated fixed pole-pieces associated with said coil, a pair of electrically insulated rotatable pole-pieces the peripheries of which are separated from said fixed pole-pieces by narrow air-gaps, an arcuate runway concentrically positioned beneath said rotatable pole-pieces, an adjustable back stop on said runway and a spherical armature normally positioned on said runway in engagement with said back stop and attractable to said rotatable pole-pieces by the energization of said coil, whereby said armature is carried by said rotatable pole-pieces to a position adjacent to the ends of said fixed pole-pieces and is thereby attracted into engagement with said fixed pole-pieces to conductively connect them.

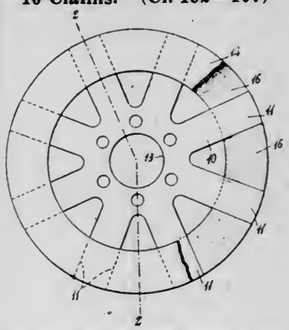


2,253,315
FLASHLIGHT ATTACHMENT
Sidney F. Andrus, Troy Center, Wis.
Application July 5, 1939, Serial No. 282,845
8 Claims. (Cl. 231—2)



1. In combination with a flashlight having a battery, a light bulb and circuit for energizing the latter from the former, an attachment comprising a casing detachably secured to the flashlight and containing an induction coil, means including a switch for connecting the primary winding of the coil to the flashlight battery without interfering with the flashlight circuit, means in said primary circuit of the coil for rapidly interrupting the primary circuit, and a pair of prongs providing terminals for the secondary winding of the induction coil and disposed to be pressed into contact with an object to be shocked.

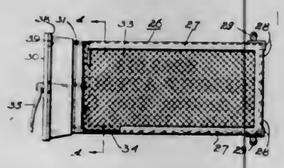
2,253,316
RIVETLESS DRIVE PLATE
Harry Armitage, London, England, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 21, 1939, Serial No. 285,699
In Great Britain July 26, 1938
10 Claims. (Cl. 192—107)



1. A clutch plate comprising a mounting disc

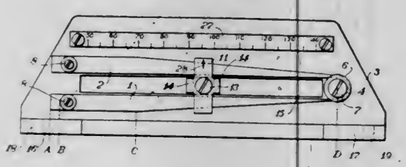
having circumferentially spaced peripheral portions, a pair of friction facings embracing said peripheral portions, and means joining said facings together and forming a torsionally yieldable torque transmitting connection between said facings and said discs, said means comprising a a cushion of resilient material disposed in the space defined between said facings and said spaced peripheral portions, extending from one to the other of said peripheral portions, and bonded to the opposed faces of said facings.

2,253,317
DRAWER FOR REFRIGERATED LOCKER SYSTEMS
William McKinley Baird, Chicago, Ill.
Original application January 26, 1939, Serial No. 252,973. Divided and this application April 12, 1939, Serial No. 267,472
2 Claims. (Cl. 45—7)



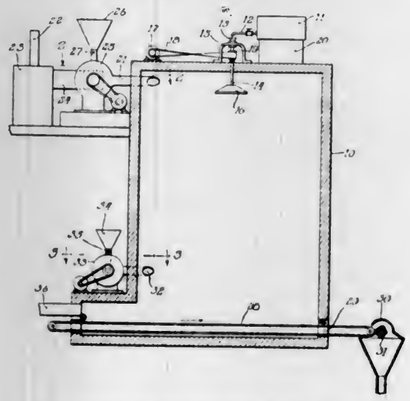
1. A drawer for a refrigerated locker system comprising two pairs of spaced side angle members, with one pair of said side angle members located at each side of the drawer, rear angle members connecting said side angle members, a front face door attached on its inner surface to the front ends of said side angles, wire mesh attached to said side angle members to form side screens, wire mesh attached to said rear angle members to form a rear screen, a solid bottom pan attached to said side angle members, said bottom pan having a front turned-up edge attached to said front door, and a handle attached to said front door.

2,253,318
IMPEDANCE DEVICE
George M. Barrow, Nutley, and Leslie N. Crichton, Livingston, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 21, 1938, Serial No. 209,238
3 Claims. (Cl. 201—62)



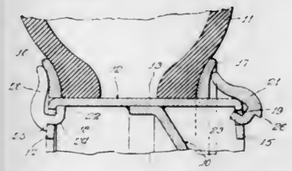
1. In an electrical impedance device, a flat ribbon current-carrying resistance element folded for providing a pair of spaced arm portions, each of said arm portions having a small cross-section and width adjacent the fold in said resistance element gradually enlarging to a larger cross-section and width distant from said fold, a separate electro-conductive terminal attached to each of said larger cross-sections, and an electro-conductive member bridging said arm portions and adjustable therealong, said member being designed to engage substantially the entire widths of said arm portions at any point of adjustment thereof.

2,253,319
PRODUCTION OF ANIMAL FEED PRODUCTS
Herman E. Batterman, Chicago, Ill., assignor to Dry Molasses Feed Co., Chicago, Ill.
Application July 7, 1938, Serial No. 217,958
2 Claims. (Cl. 99—6)



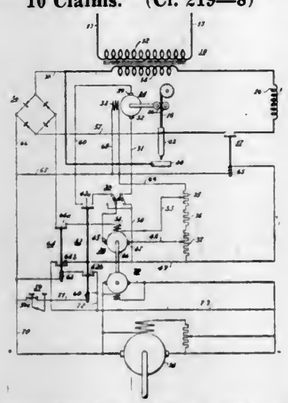
1. The process of producing a feed product of the type described, which consists in producing a current of hot air, and simultaneously introducing into such current from separate sources a shower of wet molasses particles and a shower of finely comminuted non-hygroscopic feed particles, whereby to intimately mix said particles and dry the molasses particles on the feed particles while all of the particles are still in suspension.

2,253,320
WHEEL
Louis B. Berg, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 1, 1940, Serial No. 343,409
2 Claims. (Cl. 152—411)



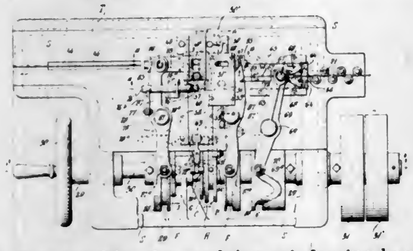
1. A wheel having a substantially flat surface on its outer periphery upon which it may be rolled, a removable resilient tire adapted to fit over the flat surface to provide traction for the wheel in soft earth, removable side rings on the flat surface for retaining the tire on the wheel and lugs on the wheel and cooperating with the rings to retain the tire on the wheel, said wheel having radially disposed regions with slots therein, and said lugs being substantially U-shaped with one leg of the U shorter than the other, said short leg passing through the slot in the side region and locking against the side region by the pressure exerted by the tire against the cooperating side ring.

2,253,321
ARC WELDING SYSTEM
John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1938, Serial No. 215,519
10 Claims. (Cl. 219—8)



2. An automatic alternating current arc welding system comprising, a reversible direct current feed motor having a field winding and an armature connected in driving relation with an electrode for feeding it relative to the work, circuit means for effecting energization of the field winding, means for applying a substantially constant voltage to the armature to operate the feed motor in one direction, and control means including a unidirectional current device for applying an opposing control voltage to the armature to vary both the rate and direction of operation of the feed motor in accordance with an arc characteristic.

2,253,322
MACHINE FOR APPLYING REINFORCING RINGS TO CLOTHESPINS
Sigmund Bower, Brooklyn, N. Y.
Application February 8, 1940, Serial No. 317,886
20 Claims. (Cl. 140—93)

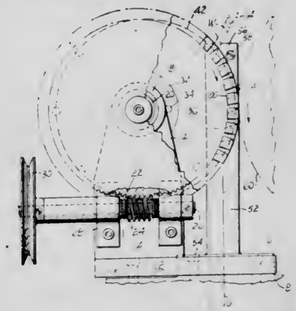


1. In a machine for applying reinforcing bands to clothes-pins, a support having an opening therein, means to support a clothes-pin in the opening in said support with the body of the pin projecting to predetermined position from said opening, means to feed a metallic strand to extend transversely of a side portion of the pin adjacent the crotch, die mechanism operative in successive sequence to sever a predetermined length from said metallic strand, shape said severed portion to open ring form partially conforming to the cross sectional shape of the pin and position the same with the portion midway the ends engaging the side of the pin and the end portions extending partly about the pin, and means operative to apply pressure to and bend the end portions to final ring form encompassing the pin.

2,253,323
PRODUCTION OF DRYING OILS
Friedrich Christmann, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 11, 1939, Serial No. 250,382. In Germany January 15, 1938
4 Claims. (Cl. 196—78)

1. A process for the production of drying oils from unsaturated hydrocarbons which comprises condensing liquid products rich in unsaturated aliphatic hydrocarbons obtained from carbonaceous substances containing at least about 13.5 grams of hydrogen for each 100 grams of carbon by treatment with a substance selected from the group consisting of metal halides of the Friedel-Crafts type and boron halides, together with from 10 to 35 per cent, calculated on the weight of the products rich in unsaturated hydrocarbons, of a halide selected from the class consisting of phosgene and thionyl chloride, to form unsaturated hydrocarbons of higher molecular weight.

2,253,324
GRINDING MACHINE
Raymond H. Cramer, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 24, 1937, Serial No. 165,565
5 Claims. (Cl. 51—103)

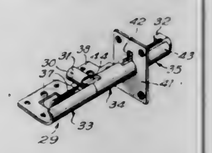


1. In a machine for generating a curved surface on a round work-piece, a grinding wheel and a regulating wheel spaced apart to form a grinding throat, a thrust plate extending along one side of the grinding throat, a movable feeding member at the other side of the grinding throat and having a work supporting blade extending towards the thrust plate and adapted to travel through the throat peripherally of one of the wheels, and means providing for a relative movement of oscillation around an axis, between the grinding wheel on the one hand and the regulating wheel, feed member and thrust plate on the other hand; substantially as described.

2,253,325
WINDOW LOCK CONSTRUCTION
James L. Davidson, Los Angeles, Calif.
Application August 13, 1937, Serial No. 158,949
2 Claims. (Cl. 292—57)

1. In a lock of the character disclosed, a cas-

ing, two keepers and a lock bolt slidably mounted in said casing so that said bolt may be moved into one locking position extending through said casing and one of said keepers, or into another locking position extending through said casing and said other keeper, angular end portions on



the ends respectively of said bolt, so arranged that one of said end portions may engage said casing while the other end portion engages either of said keepers, for locking said bolt against sliding movement while in either of its said locking positions.

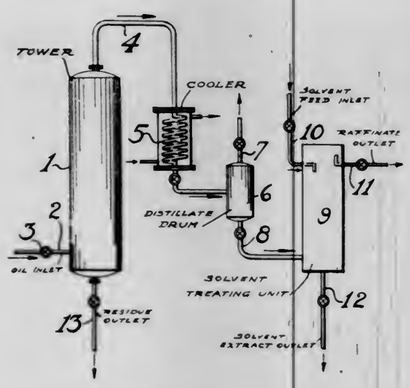
2,253,326

SOLVENT TREATING OF MINERAL OILS

Garland H. B. Davis, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 6, 1938, Serial No. 200,326

3 Claims. (Cl. 196—13)



1. Process for the solvent treatment of petroleum oil fractions boiling in the range from about 600° F. to 850° F. at atmospheric pressure and containing aromatic and paraffinic type constituents of relatively high and relatively low boiling points comprising batch distilling said petroleum oil fraction under vacuum conditions in a manner to remove overhead progressively higher boiling point aromatic type constituents and paraffinic type constituents having substantially the same boiling points, continuously treating said overhead fractions with a phenol in a manner that the initial overhead fraction comprising the relatively lower boiling point aromatic and paraffinic constituents is contacted with about 1 volume of phenol per 1 volume of overhead oil, gradually raising the quantity of phenol so that when about 25% of the oil has passed overhead the ratio of phenol to oil is approximately 2 volumes of phenol per volume of oil, that when 50% of the oil has passed overhead the ratio of phenol to oil is approximately 3 to 1 and that when 75% of the oil has been taken overhead the ratio of phenol to oil is approximately 4 to 1.

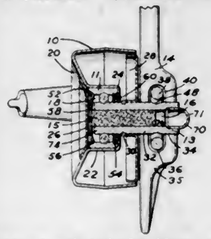
2,253,327

LUBRICATING METHOD

Thomas C. Delaval-Crow, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 20, 1938, Serial No. 203,126

2 Claims. (Cl. 184—1)



1. The method of lubricating which consists in employing a non-fluid lubricant, and supplying a solvent fluid lubricant thereto; substantially as described.

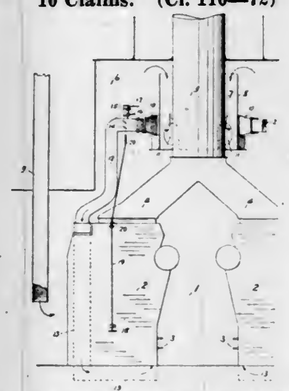
2,253,328

DAMPER REGULATOR

Ralph Entriken, Philadelphia, Pa., assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa., a corporation of Pennsylvania

Application May 17, 1939, Serial No. 274,083

10 Claims. (Cl. 110—72)



1. Means for controlling the flow of a gas through a conduit comprising, in combination, a damper, a prime mover, an operative connection between the damper and the prime mover and manually operable means connected to said operative connection, said operative connection being operable by the manually operable means and by the prime mover independently.

2,253,329

HAND LOOM

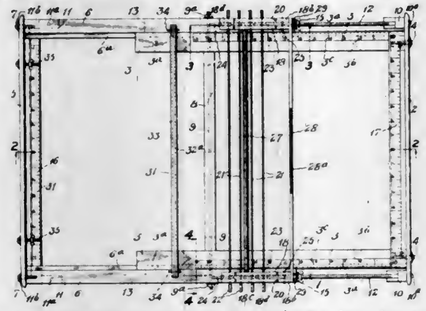
Milo O. Gallinger, Hartland, Mich., assignor to J. Robert Crouse, Cleveland Heights, Ohio

Application May 13, 1938, Serial No. 207,690

5 Claims. (Cl. 139—33)

5. In a loom the combination of a frame structure comprising a heddle bar standard formed with a plurality of upright transverse guide slots through which the ends of heddle bars may pass; and a movable heddle bar holder mounted in the standard, and having a plurality of upstanding fingers the upper end of each of which in one position of the holder is located in one of the guide slots and is adapted to support the end

of a heddle bar in a raised position in such slot and in another position is located to one side of



the guide slot to permit the heddle bar to drop to a lower position in such slot.

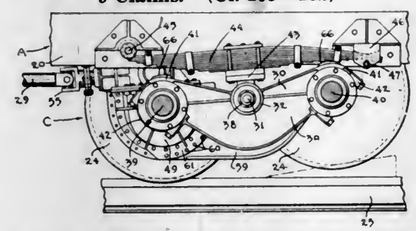
2,253,330

VEHICLE

Arthur J. Hersey and Charles L. Madden, Minneapolis, Minn.

Application May 1, 1939, Serial No. 270,990

9 Claims. (Cl. 105—182)



3. In a vehicle, a truck, a main frame mounted on the truck, said truck including independently tiltable side frame members and a pair of axles with supporting wheels thereon, each side frame member having two bearings, one bearing journaled on one axle and the other bearing journaled on the second axle, a mounting journaled on one of said axles and carrying gearing for rotating the same, a torque arm issuing from said mounting and having a bearing thereon journaled on the other axle, said torque arm and mounting providing a tie which, through each axle, rigidly braces the other against fore and aft axial displacement at a point between said side frame members, all of said bearings having predetermined tolerance accommodating misalignment of said axles, and stop means limiting the tilting of said side frame members within the range of tolerance of said side frame bearings and said torque arm bearing.

2,253,331

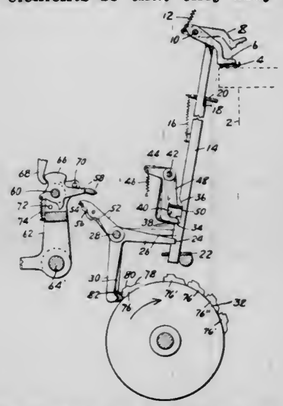
KNITTING MACHINE

Harold E. Houseman, Laconia, N. H., assignor to Scott and Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application May 12, 1939, Serial No. 273,205

16 Claims. (Cl. 66—140)

1. In a circular knitting machine, a needle cylinder carrying independent needles, a plurality of yarn fingers, spring means for urging said yarn fingers towards their yarn feeding positions, individual controlling elements for said fingers, spring means urging said controlling elements to move their respective fingers from yarn feeding position, and pattern controlled means for selectively positioning said finger controlling elements so that they may allow their



respective fingers to feed yarns or may move them out of yarn feeding position.

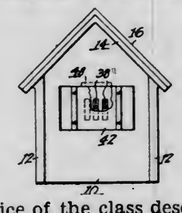
2,253,332

KEY HOLDER AND PROTECTOR

Robert E. Jackson, Dedham, Mass.

Application April 13, 1940, Serial No. 329,585

8 Claims. (Cl. 70—447)



1. In a device of the class described, the combination of a housing, a vertically slidable container element therein; with lock means operatively connected between the housing and element to hold the latter in raised position, whereby upon unlocking said lock means, said element will be caused to descend by gravity.

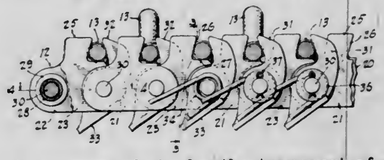
2,253,333

CONVEYER

Adolph Carl Jaeckel, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application November 13, 1939, Serial No. 304,022

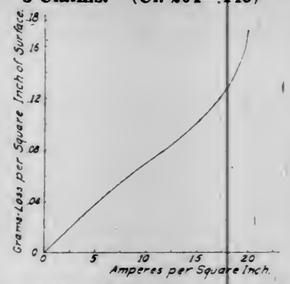
11 Claims. (Cl. 198—179)



1. A conveyer chain for the transport of elongated articles held to the chain near the midpoints of their lengths, the chain comprising a plurality of cross pins connecting a plurality of side links of each of two kinds, A and B, the links A and B having bearing surfaces for contact with an elongated article disposed at different distances from the line joining the centers of two adjacent pins, and the side links being arranged in the chain with a link A opposite a link B and

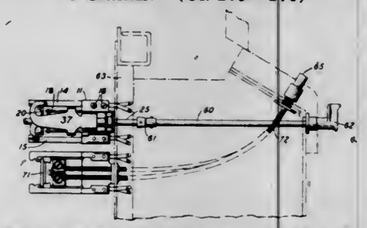
with adjacent links on the same side of the chain alternately A and B, the chain being adapted to tilt an elongated article bearing on one pair of opposite links to one side of the plane defined by the center lines of the pins which connect the links, and to tilt an elongated article bearing on the next adjacent pair of links to the opposite side of such a plane.

2,253,334
PROCESS FOR TREATING NICKEL-BEARING ALLOYS
Philip R. Kalischer, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 16, 1937, Serial No. 164,148
3 Claims. (Cl. 204—145)



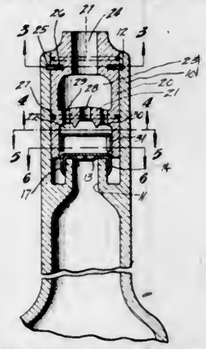
1. The process of treating nickel-iron base alloys in which the nickel plus iron content constitutes the predominating alloying constituents comprising, immersing the nickel-iron base alloy in a cold dilute acid bath wherein the alloy is an electrode, and subjecting the nickel-iron base alloy in the cold acid bath to the action of a low voltage alternating current having a current density of from 5 to 20 amperes per square inch for a period of time of up to 30 minutes for removing oxide film and intergranular oxidation and to give a clean smooth surface on the alloy, the bath being maintained cold during the entire period of treatment.

2,253,335
CIRCUIT CONTROLLING DEVICE
Hubert K. Krantz, Rockville Centre, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 14, 1940, Serial No. 318,812
9 Claims. (Cl. 179—176)



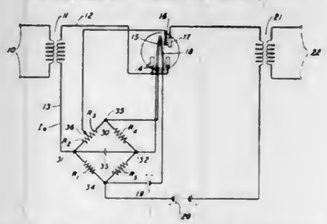
1. In a switching device, a mounting frame, a spring assembly supported on either side of said frame, a plunger mounted on said frame for rotary and longitudinal displacements to actuate one of said spring assemblies when rotated and to actuate the other of said spring assemblies when displaced longitudinally, a pair of guide slots in said frame, and means comprising a notched disc carried by said plunger and so positioned relative to said guide slots that a projection thereof effected by the notching is adapted to be selectively moved in either of said guide slots to control the respective longitudinal and rotary displacements.

2,253,336
BOTTLENECK
John Krenach, Detroit, Mich.
Application April 7, 1941, Serial No. 387,231
3 Claims. (Cl. 215—8)



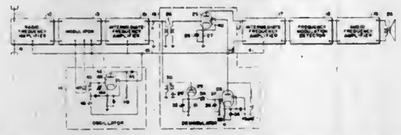
1. In combination a cylindrical bottle neck including an inner orifice centrally located therein and adapted to be closed and sealed, and a hollow cylindrical plug adapted to fit into said neck and divided by a transverse partition into a lower chamber to extend above said orifice, and an upper chamber leading to an outlet, said partition being provided with a plurality of openings connecting said chambers, projecting means on the plug, and corresponding slots on the inner surface of the neck to prevent the plug from being removed therefrom.

2,253,337
DIODE-TRIODE APPARATUS
Edward Lacey, Schenectady, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, a corporation of New York
Application June 1, 1940, Serial No. 338,311
3 Claims. (Cl. 250—27)



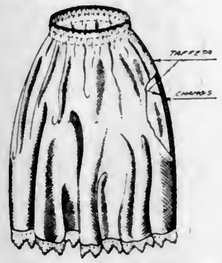
1. In a signaling wave receiver system, in combination, a source of signaling waves, a diode rectifier, circuit means to connect said diode rectifier to said wave source, an amplifier including a control grid, a cathode and a cathode heater, and a source of direct current to energize said cathode heater; means to provide for said control grid a biasing voltage which does not produce a bias in the diode circuit, comprising a bridge network having one diagonal connected in series in said circuit means in the output of said diode and the opposite diagonal in series with said cathode heater source, a capacitor connected across the one diagonal in said circuit means, and a variable connection extending from said network to said control grid.

2,253,338
MODULATED-CARRIER SIGNAL RECEIVER
Harold M. Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application September 25, 1939, Serial No. 296,339
12 Claims. (Cl. 250—20)



1. A modulation-carrier signal receiver adapted to receive a carrier wave having a first characteristic type of modulation representing a desired signal and subject to undesired modulation of a second characteristic type comprising, a carrier-frequency signal-translating stage, means for selectively detecting and utilizing said selected-carrier modulation of said first type to reproduce the desired signal, and means for selectively detecting and utilizing only said selected-carrier modulation of the second type to control the response characteristic of said carrier-frequency signal-translating stage in accordance with instantaneous values thereof to reduce the effects of said undesired signal modulation.

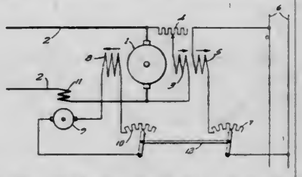
2,253,339
UNDERSKIRT
Dorothea F. Livermore, Brooklyn, N. Y.
Application May 11, 1940, Serial No. 334,493
1 Claim. (Cl. 2—211)



An underskirt having a waist portion and made of a chamois interlining extending from adjacent the waist band to adjacent the bottom of the skirt and faced on both sides with taffeta.

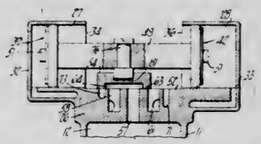
2,253,340
VOLTAGE CONTROL OF DIRECT-CURRENT GENERATORS
Clarence Lynn, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1938, Serial No. 218,309
12 Claims. (Cl. 171—223)

1. A direct-current generator having a field excitation which includes a component directly proportional to the generator terminal voltage, a component independent of the generator voltage and a component proportional to the generator load current, the last-mentioned component being opposed to the first two components, and means for controlling the no-load voltage of the generator comprising means for varying the two last-mentioned components of the field



excitation while keeping their relation to each other unchanged, whereby the maximum short-circuit current of the generator remains constant.

2,253,341
MILKING MACHINE VALVE MECHANISM
Clarence W. Michaels, Oakland, Calif.
Application January 9, 1939, Serial No. 249,872
4 Claims. (Cl. 31—62)



3. In a milking machine valve mechanism which comprises, a cylinder, a piston mounted therein for rectilinear reciprocal movement, means for alternately connecting said cylinder to a source of vacuum and the atmosphere for reciprocating said piston, and a piston rod, a cylindrical pin mounted on said rod and spaced from said piston, a bearing plate having a flat bearing surface parallel to the movement of said piston and rod and formed with a plurality of passages opening to said surface and being adapted for connection to a source of vacuum and to a milking machine teat cup, a valve member having a journal adapted to receive said pin to secure said valve member to said rod for rectilinear movement therewith and having the side slidably supported on said surface, said side having a concavity therein for simultaneously overlying and communicating certain of said passages and being movable with said rod to cover and uncover certain of said passages, said valve member being pivoted to said rod along an axis normal to said bearing surface to permit rotation of said valve member during sliding movement thereof.

2,253,342
MONO-ETHERS OF UNSATURATED DIHYDRIC ALCOHOLS AND METHOD FOR PRODUCING THE SAME
Louis A. Mikeska, Westfield, and Erving Arundale, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 13, 1939, Serial No. 304,114
15 Claims. (Cl. 260—615)

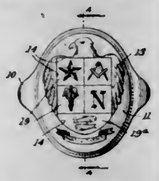
13. As a composition of matter, a mono-ether of an unsaturated dihydric alcohol having the general formula—

$$R_3R_1 \\ | \\ R_2-C=C(Z)_xOR_4$$

where R_1, R_2 and R_3 are substituents selected from the group consisting of hydrogen, ethylol and alkyl, aryl, aralkyl and alkaryl groups and at least one R is ethylol which R is attached to a tertiary carbon atom; Z is a bivalent aliphatic

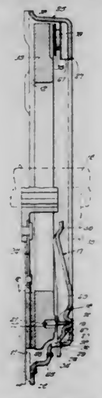
hydrocarbon radical; n is a number selected from the group consisting of 0 and 1; and R_4 is a hydrocarbon radical.

2,253,343
MULTIPLE UNIT EMBLEM
Albert L. Nalick, Los Angeles, Calif.
Application June 25, 1940, Serial No. 342,221
7 Claims. (Cl. 63—29)



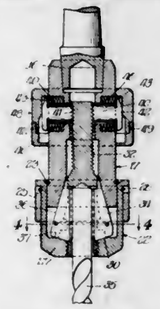
4. An article of the character described comprising in combination, a base member provided with abutment means, an intermediate member removably mounted on said base member and formed with at least one slot, and an emblem unit having means engaged in said slot and held thereby from transverse movement with respect to the base, said emblem unit having engagement with said abutment means whereby the former is held from lateral movement with respect to the base.

2,253,344
FRICTION CLUTCH
Harold Nutt and Leo W. Cook, Chicago, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application September 15, 1939, Serial No. 295,004
18 Claims. (Cl. 192—68)



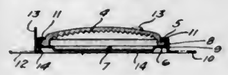
1. In a friction clutch, an annular reaction member, generally polygonal and roughly Z-shaped in cross section, comprising an outer radial flange adapted to be attached to a driving member, an inner radial flange, and an axial wall joining said flanges and having spaced fulcrum apertures, a plurality of operating levers fulcrumed in said apertures, a pressure plate disposed between said reaction member and the driving member, and a plurality of flexible driving links disposed between said inner flange and the pressure plate, chordal to the pressure plate, registering with regions of said inner flange intervening between said fulcrum apertures, and attached at their respective ends to the pressure plate and said inner flange respectively.

2,253,345
CHUCK
Carl A. Palmgren, Chicago, Ill.
Application August 12, 1939, Serial No. 289,770
6 Claims. (Cl. 279—60)



1. In a chuck of the character described, a body portion having an axial passage forming an opening in one end thereof, a member having free axial movement on the body portion and also free rotation, said member including a cylindrical part providing a sleeve on the exterior of the body portion and a central projecting part extending within the axial passage in the body portion, gripping jaws positioned by the central projecting part for coaction with tapering surfaces formed by the opening in the body portion, control means on the body portion for operatively connecting said member with the body portion, said control means when operatively positioned having threaded engagement with the central projecting part whereby relative rotation in a certain direction will effect axial movement of the member onto the body portion to cause the gripping jaws to close, and said control means when inoperatively positioned effecting release of the member from the body portion whereby the said member including the cylindrical part and the central projecting part may have free and independent movement on the body portion in an outward direction to cause the gripping jaws to open.

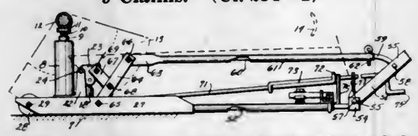
2,253,346
REFLECTOR DEVICE
Frank L. Patton, Irvington, N. J., assignor to Signal Service Corporation, a corporation of Delaware
Application March 7, 1939, Serial No. 260,251
1 Claim. (Cl. 88—78)



In combination with a supporting plate having an opening therein, a reflecting disk-shaped lens having a circular radial flange, a cylindrical lens carrier for receiving the lens, and a housing therefor comprising a cylindrical portion adapted to fit over the said flange and having an inturned flange at its front edge adapted to engage the front face of said lens flange, and an outturned flange at its rear edge adapted to engage the rear face of the supporting plate, the said lens carrier being disposed within said housing and coaxial thereof, a plurality of tongues struck up from the rear flange and bent parallel to the axis of the cylindrical portion and adapted to be bent outwardly and engage the front face of the supporting plate, the said cylindrical portion of the housing being displaced inwardly adjacent

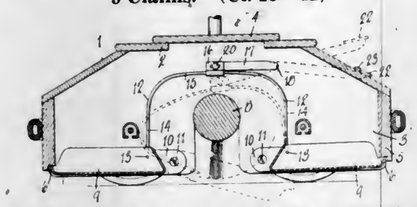
the points of juncture thereof with the struck up tongues to provide yieldable retainers for the lens carried within the housing.

2,253,347
HYDRAULIC JACK OPERATING MECHANISM
Glen Plymesser, Boulder, Colo.
Application November 6, 1939, Serial No. 303,081
9 Claims. (Cl. 254—1)



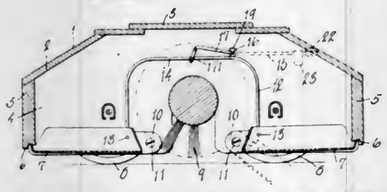
2. The combination with a hydraulic jack having a rocker-arm pivotally attached to the shaft of the pump mechanism thereof, of an elongated base for supporting said jack at one end thereof, a rock-lever pivotally attached to the other end of said base, and means for causing movements of said lever to be correspondingly applied to said arm for actuating said shaft and pump mechanism.

2,253,348
PAN DUMP MECHANISM
Fred W. Pullen, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich.
Application May 13, 1940, Serial No. 334,783
5 Claims. (Cl. 15—41)



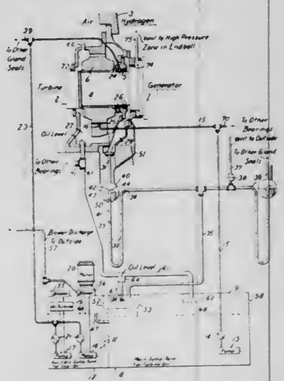
1. In a carpet sweeper having pivoted dust pans, the combination of a spring for holding said pans in closed position and releasable means for exerting tension on said spring whereby the pans are held resiliently in closed position, said spring being disposed to exert substantially no pan closing tension when said means are not exerting tension on said spring, whereby on release of said means said pans are free to open, and a slidable connection between said spring and said releasable means.

2,253,349
CARPET SWEEPER
Fred W. Pullen, Grand Rapids, Mich., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich.
Application May 20, 1940, Serial No. 336,153
6 Claims. (Cl. 15—41)



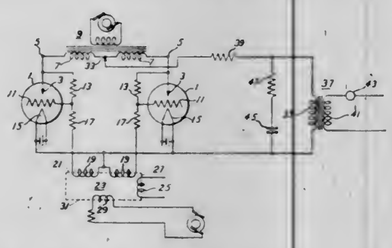
1. In a carpet sweeper having a case, the combination of a pair of spaced dust pans each extending along one side of the bottom of the case to close the same, stops on the case against which the pans rest in closed position, pivots on said case pivoting said pans adjacent the ends of their inner edges to permit the pans to swing downwardly from the bottom of the case, spring means having its ends pivoted to the ends of the pans at points spaced from the aforesaid pivots outwardly toward the edges of the case and having a substantially straight central horizontal portion, a spring wire dump lever having a centrally located pivot portion and offset arms extending from opposite ends thereof with its pivot portion pivoted in an aperture in the end of the case, the inner end of said lever having a loop formed therein through which the central portion of said spring means extends slideably, and a catch on said case to engage the outer end of said lever and hold it in down position to hold the pans closed resiliently against said stops, said spring means being so disposed that on release of said lever said spring means exerts substantially no pan closing tension, whereby the release of said lever permits the free end thereof to raise and said pans to swing downwardly free from pan closing spring tension to dump the sweeper.

2,253,350
HYDROGEN-COOLED MACHINE WITH GLAND SEAL
Malcolm D. Ross and Bennie A. Rose, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 28, 1938, Serial No. 204,916
3 Claims. (Cl. 308—36.3)



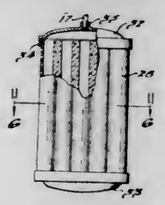
1. A hydrogen-cooled machine having a substantially hermetically tight, hydrogen-filled housing, a rotatable shaft extending through the housing, a gland seal surrounding said shaft where it extends through said housing, a bearing on the outside portion of said shaft, said bearing having an air-inlet opening for admitting a copious supply of scavenging air, an enclosed sump tank for oil, means for supplying oil from said sump tank to said gland seal and to said bearing, means including an oil trap for causing oil to move from the hydrogen side of said gland seal to said sump tank, means for causing oil and non-entrained air to move from said bearing to said sump tank so that at least said non-entrained air goes to the top of said sump tank, and means for withdrawing air from the top of said sump tank and discharging it away from the machine.

2,253,351
ENERGY TRANSLATING APPARATUS
Stephan P. Sashoff, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application December 15, 1931, Serial No. 581,169
13 Claims. (Cl. 175—363)



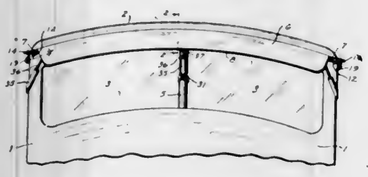
1. Apparatus for supplying power to an inductive load comprising an alternating power source, means coupled to said power source and said load for transmitting current impulses from said power source to said load during half-cycles of potential of said source that are of one polarity, an asymmetric electric discharge device having a plurality of principal electrodes and a control electrode, said device being of the type having an abrupt characteristic, means for so coupling the principal electrodes of said device to said power source and said load that current impulses are transmitted from said source to said load through said device during half-cycles of potential of said source that are of the opposite polarity, means for impressing potentials between said control electrode and said principal electrodes to determine the point in said last-named half-cycles at which said electric discharge device becomes energized to transmit said current impulses and means including a capacitor connected across the load for suppressing the influence of the high frequency potentials impressed by reason of the variation in current in said load, between the principal electrodes of said electric discharge device.

2,253,352
HUMIDIFYING DEVICE
Paul F. Seibold, Newport, Mich.
Application January 18, 1941, Serial No. 374,995
6 Claims. (Cl. 237—78)



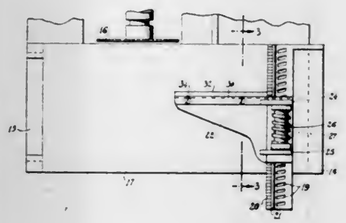
5. A humidifier including, in combination, a ceramic element having a plurality of central openings, caps on the ends of said element with the openings in communication with each other, gaskets between said caps and element, at least one through bolt for drawing said caps against said gasket and element to form a unit construction, and a conduit conductively joining the humidifier to a radiator and supporting the humidifier thereon.

2,253,353
AWNING FOR AUTOMOTIVE VEHICLE WINDSHIELDS AND THE LIKE
Roy A. Sharp, Denver, Colo.
Application August 21, 1939, Serial No. 291,214
3 Claims. (Cl. 296—95)



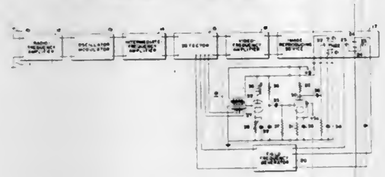
1. In an awning structure for automotive vehicle windshields having a shield with a base adapted for mounting adjacent, and substantially conforming in shape to, the vehicle roof above the top of the windshield, the shield extending from said base forwardly over the windshield and said base being attached to but spaced above the roof, means for pivotally attaching the shield to the vehicle body comprising a hook adapted to engage a projection on the vehicle body and having an orificed shank, a bent and orificed projection from the end of the base, a threaded member seated in the orifices of the shank and bent projection and carrying pairs of nuts whereby to adjustably interengage the bent projection to the shank.

2,253,354
REPLACEABLE FACING FOR TRIMMER GAUGES
Albert William Svensson, Flushing, N. Y.
Application September 27, 1940, Serial No. 358,651
5 Claims. (Cl. 29—69)



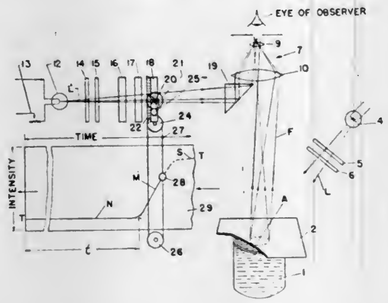
1. In a printer's circular saw gauge, a bench, a table guided to move on the bench past and closely adjacent the side of the saw and having guide means at its rear at a right angle to the table movement, a rack fixed on said table parallel to said guide means, a scale adjacent the rack, an arm having a rib slidable in the guide means, said arm having bearings at its rear-edge and a raised ledge on its face parallel with the face of the cutter, said ledge being formed of spaced upper and lower sections constituting jaws, a worm journalled between the inner proximate ends of said bearings to engage the rack, said worm having hubs, adjustable collars carrying micrometric graduations on said hubs, means to secure said collars in adjustment on the hubs, and a soft reducible facing removably engaged between said jaws on the face of said ledge, said facing adapted to be cut by direct contact with the teeth of the saw.

2,253,355
TELEVISION SCANNING SYSTEM
Maurice K. Taylor, Hollinwood, England, assignor to Hazeltine Corporation, a corporation of Delaware
Application September 23, 1939, Serial No. 296,220
In Great Britain September 24, 1938
8 Claims. (Cl. 178—7.5)



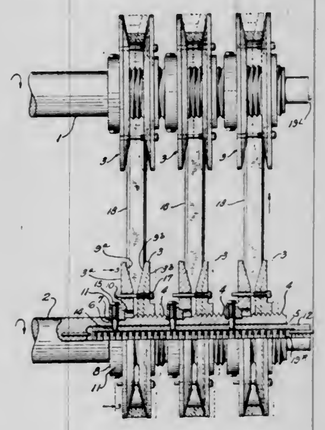
1. A television scanning system for deflecting a cathode-ray beam comprising, an oscillation generator, electromagnetic scanning windings, means including said generator for producing a current of substantially saw-tooth wave form in said windings, electrostatic scanning plates, and means including said generator for supplying to said plates simultaneously with said saw-tooth current, a scanning voltage of substantially saw-tooth wave form and of periodicity the same as said saw-tooth current, said windings and said plates being relatively positioned to provide a cumulative deflection of the cathode-ray beam.

2,253,356
METHOD AND APPARATUS FOR MEASURING THE WATER RESISTANCE OF PAPER
Johannes A. Van den Akker, Appleton, Wis., assignor to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin
Application August 12, 1939, Serial No. 289,842
7 Claims. (Cl. 73—51)



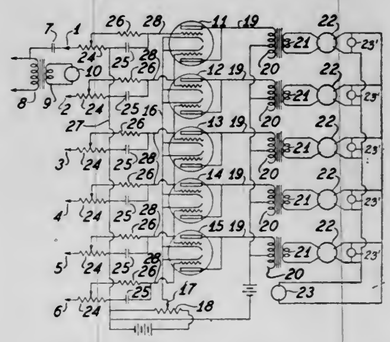
1. In a device of the class described, the combination of means for wetting the underside of a sheet of paper having a substance on the upperside adapted to fluoresce when wetted by the transudation of liquid through the paper, a source of ultra-violet light for directing a beam on the substance adapted to emit a fluorescent light, a second source of light for directing a beam, means cooperating with said source of light for providing its beam with a color the same as the color of the fluorescent light, means for observing and comparing the fluorescent light and the second beam, means for varying the intensity of the second beam to match it with the intensity of the fluorescent light, and means for varying the intensity of the second source of light to match the hue of the color of the fluorescent light and the beam.

2,253,357
TRANSMISSION MECHANISM
Theodore A. Wetzel, Milwaukee, Wis.
Application April 24, 1939, Serial No. 269,627
2 Claims. (Cl. 74—230.17)



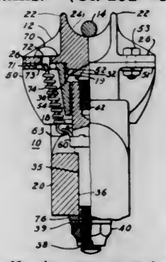
1. A multiple sheave adjusting pulley, each sheave having relatively adjustable sections to vary the pitch diameter, a shaft for said pulley, screw means on said shaft to shift one section of each of said sheaves, a common member mounted within said shaft, means connecting said common member and the other sections of said sheaves, and spring means acting through said member to regulate the shifting.

2,253,358
SEISMIC EXPLORATION METHOD
Philip S. Williams, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 13, 1938, Serial No. 224,698
6 Claims. (Cl. 181—0.5)



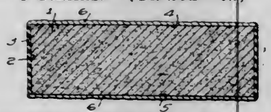
1. Receiving apparatus for seismic waves comprising a plurality of seismic pickups for converting seismic waves into electrical oscillations, means for algebraically combining the oscillations of said seismic pickups in pairs, means for converting said combined oscillations into unidirectional impulses, and means for recording said impulses.

2,253,359
CURRENT COLLECTOR
Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 5, 1939, Serial No. 271,882
14 Claims. (Cl. 191—59.1)



1. A current collector comprising a slider shoe having an elongated groove in the upper side and a downwardly projecting pointed portion on the opposite side, an upwardly projecting support stem disposed to engage the pointed portion of the slider shoe in substantially point contact to support the slider shoe for pivotal movement in a plurality of planes in pivoted relation thereto about the point of contact therewith, and means to retain the slider shoe on the support.

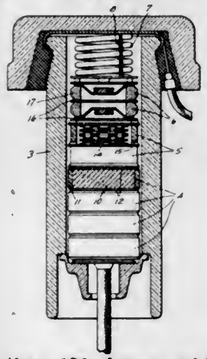
2,253,360
COATED LIGHTNING-ARRESTER BLOCK
William E. Berkey, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 26, 1939, Serial No. 286,607
8 Claims. (Cl. 201—72)



1. An excess-voltage protective device comprising a block of high-resistance molded composition-material adapted to carry current from end to end thereof and having a valve-type characteristic which enables it to readily discharge high currents at excessive voltages and to greatly increase its resistance to a discharge at normal voltages, and a hard coating adhering to the sides of the block and having an electrical resistivity of a higher order of magnitude than that of the block, said coating comprising a strongly cohering mixture including material proportions of a filler and a binder comprising a water-soluble silicate.

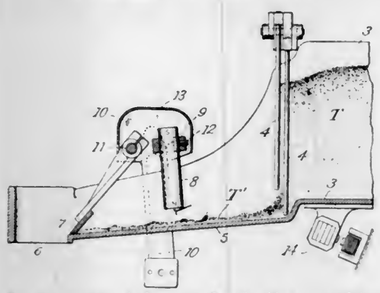
2,253,361
RESISTANCE-SHUNTED LIGHTNING ARRESTER
William E. Berkey, Forest Hills, and Frederick B. Johnson, Murrysville, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1939, Serial No. 296,608
3 Claims. (Cl. 175—30)

1. An excess-voltage protective device comprising a variable-resistance valve-type element capable of passing heavy discharge-currents when impressed with voltages in excess of the rated voltage of the protective device, and of substantially interrupting said discharge upon the return of rated voltage-conditions, a resistor of relatively fixed resistance, means for connecting said resistor in shunt to said valve-type element, and a series gap-means in series circuit relation to both said valve-type element and said resistor, characterized by said resistor having a



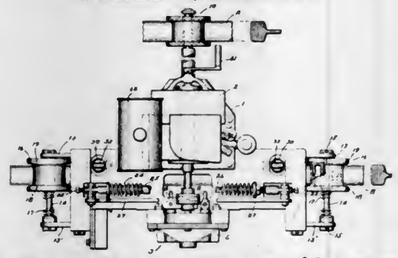
resistance less than 120 ohms per kilovolt of the rated voltage of the protective device, and said series gap-means being capable of interrupting the combined currents of both said valve-type element and said resistor at the rated voltage of the protective device.

2,253,362
METAL REMOVER FOR TOBACCO FEEDS
William C. Broekhuysen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application January 31, 1939, Serial No. 253,785
2 Claims. (Cl. 209—215)



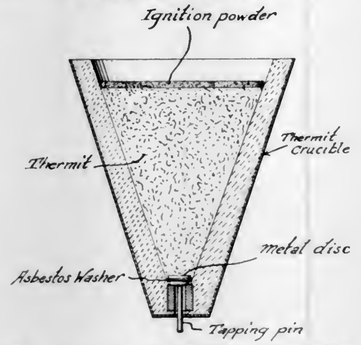
1. In a scrap tobacco feed, the combination with a vibratory hopper, of a set of rakes having their lower ends disposed adjacent the upper face of the bottom of said hopper to limit the flow of scrap tobacco therebetween to a thin stream, a series of magnets beyond said rakes in sufficient proximity to the upper face of the hopper bottom to remove ferrous objects from the entire depth of the thin stream emerging under the rakes and yet permit unobstructed passage of said stream, and means for vibrating said hopper obliquely toward and away from said magnets to form and advance the stream of tobacco thereunder, said hopper having a depressed lip whereover said magnets are disposed and said rakes being disposed at the juncture of said lip with the main portion of said hopper to maintain a supply of scrap tobacco behind said lip, said lip having a concave bottom and said magnets being disposed in perpendicular relationship to said bottom and individually adjustable axially to adapt the same to the contour of the lip.

2,253,363
PORTABLE DRILL
Homer P. Chandler, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Original application November 10, 1936, Serial No. 110,123. Divided and this application September 29, 1939, Serial No. 297,140
2 Claims. (Cl. 105—162)



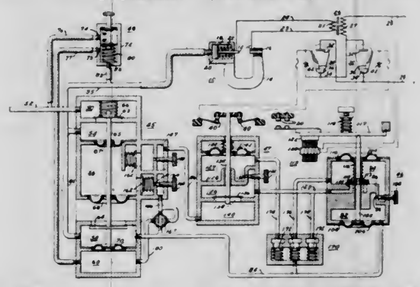
1. The combination with a machine mounted on rollers and movable along a track of means to raise and lower one end of the machine relative to the track rails in order to raise the machine to avoid obstructions when moving the machine along the track and to lower the machine to its working position, the said means including rollers rotatably mounted on one end of a pair of levers which in turn are pivoted intermediate their ends upon the machine whereby the spacing of the rollers may be decreased thereby raising the machine relative to the rails, the said means also including means to vary the spacing between the rollers and comprising a link pivotally secured to the free end of one of said levers and having a slotted connection with the free end of the other said lever and in which slot the end of the lever slides, the said slot provided with means cooperating with the free end of the lever to lock the rollers from spreading when the machine is in its raised position when an operator moves the link to its raised position, means on the link for the operator to grasp the same and yielding means connecting the free ends of the levers and tending to force the free ends of the levers apart moving the one lever along the slot to the locking position and thereby assist the operator in raising the link and the machine against the weight thereof.

2,253,364
IGNITION OF THERMIT MIXTURES
Frederick W. Cohen, Upper Montclair, N. J., assignor to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey
Application July 27, 1940, Serial No. 347,965
4 Claims. (Cl. 75—27)



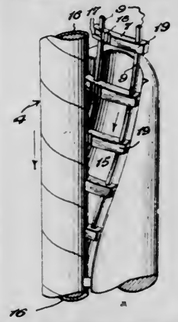
1. The process of igniting Thermits which comprises placing a mass of Thermit in a crucible and quickly igniting it across substantially the entire top surface of the mass, whereby a self-propagating, horizontal zone of ignition is formed having an area substantially coinciding with the cross section of the crucible, resulting in a Thermit reaction of substantially uniform intensity and a Thermit metal having a maximum, predetermined temperature.

2,253,365
CONTROL SYSTEM
John W. Dawson, Auburndale, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 26, 1938, Serial No. 242,533
9 Claims. (Cl. 219—4)



9. The combination in a power system, of a load disposed to be connected to a source of alternating current power, means including a fluid pressure actuated device operable to effect the connection of the load to the source, and electromagnetic means energized from the source to control the operation of said means to secure the connection of the load to the source in timed relation with the current pulsation of the source.

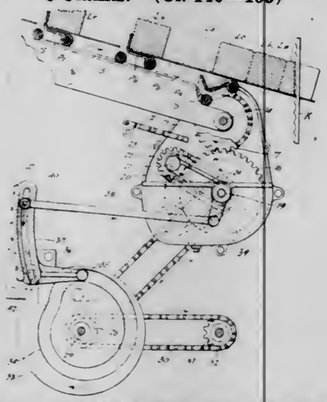
2,253,366
AUTOMATIC WELDING HEAD
John Howard Deppeler, Weehawken, N. J., assignor to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey
Application December 13, 1939, Serial No. 309,075
14 Claims. (Cl. 219—8)



1. An automatic welding head for welding with flux-coated metal electrodes comprising at least one endless belt, a plurality of contact bars mounted on said belt provided at one end with cutting sections adapted to form spaced grooves in the coating of such an electrode, thereby exposing the electrode metal, and also provided with adjacent contact sections of such size and shape as to fit into said grooves in contact with

said electrode metal. means for driving said endless belt at a rate corresponding to the desired rate of feed of the electrode, means for moving the contact bars longitudinally to force the cutting sections thereof into the electrode coating to form transverse grooves therein and to move the contact sections of said bars into said grooves to make contact with the electrode metal, and means for supplying current to said contact bars while in contact with said electrode.

2,253,367
BOOSTING MECHANISM FOR BREAD SLICING MACHINES
Anthony Di Prima, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application September 17, 1938, Serial No. 230,464
6 Claims. (Cl. 146—155)

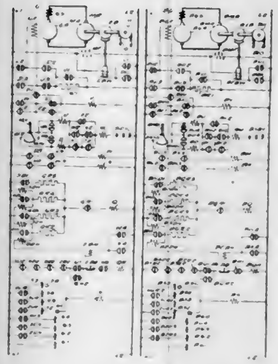


1. In an article feed of the type which includes an operator device, such as a slicer unit, and a conveyor for advancing a series of articles, such as loaves, along an article-way toward said slicer unit at a relatively high speed, and for advancing them through said slicer unit at a relatively lower speed, while maintaining a machine cycle of substantially constant predetermined duration, and mechanism for actuating said conveyor to effect intracycle acceleration-deceleration thereof to produce said variations in speed; said mechanism including a sun gear and a planet gear disposed in planetary driving relationship, means to drive one of said last-named gears, driving connections by which the other of said last-named gears is adapted to drive said conveyor, and means to cause relative orbital displacement as between said sun gear and planet gear, whereby when either of them is displaced bodily with relation to the other gear in the direction of rotation of said other gear, the latter will be decelerated, and the article feed will be driven at its lower speed, by virtue of said displacement, and when said displaced gear is displaced in the opposite direction, the article feed will be driven at its higher speed, and a control device readily operable manually for effecting said displacements at will.

2,253,368
SIMULTANEOUSLY SCOURING AND BLEACHING WITH CHLORITE
Archie Louis Dubeau, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application December 24, 1938, Serial No. 247,637
7 Claims. (Cl. 8—108)

1. In the treatment of unfinished cellulosic fabrics, the improvement which comprises simultaneously bleaching and scouring the unfinished fabric by subjecting the fabric to the action of an aqueous acid solution containing sodium chlorite and a detergent which is active in the presence of the acid and is substantially unoxidized by the sodium chlorite, said detergent being selected from the group consisting of aliphatic alcohol sulphates, sulphonated fatty acid amides, sulphonated fatty acid esters, sulphonated succinic acid esters, alkylated aromatic sulphonates, and aliphatic sulphonates.

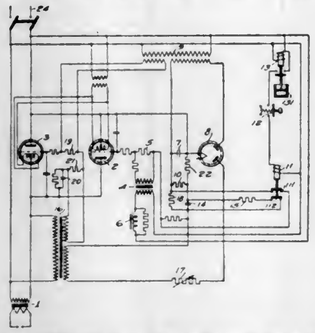
2,253,369
OVER-QUOTA CONTROL SYSTEM FOR ELEVATORS
William F. Eames, Westfield, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois
Application May 16, 1939, Serial No. 273,881
19 Claims. (Cl. 187—29)



1. In an elevator system having a plurality of cars operable past a plurality of floors; an individual group of call storing elements for each of said cars for recording desired stops of the corresponding car at any of said floors; automatic means for distributively selecting, in timed sequence independent of movements of said cars, said elements of each of said groups and for temporarily preventing operation of all of said elements except the elements momentarily selected; and totalizing means for each of said cars, each of said totalizing means being responsive to a predetermined totalized effect of the stops assigned to the associated car for preventing the assignment of additional stops thereto.

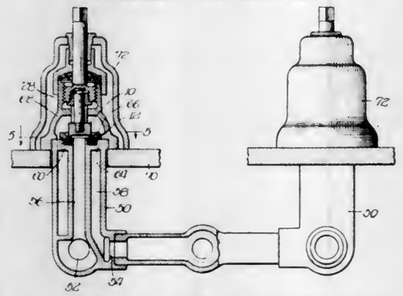
2,253,370
WELDING TIMER
Otto Eisenschmid, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1938, Serial No. 246,403
In Germany March 5, 1938
10 Claims. (Cl. 250—27)

1. Device for igniting a grid control gas or vapor discharge vessel which is connected in antiparallel with another discharge vessel between an alternating current source and a consumer, characterized by the fact that in the grid circuit of the former discharge vessel, two potential sources are connected in series, of which one is derived from said alternating current source, while the other is derived from a con-



denser charged by both said source and a voltage developed across said consumer.

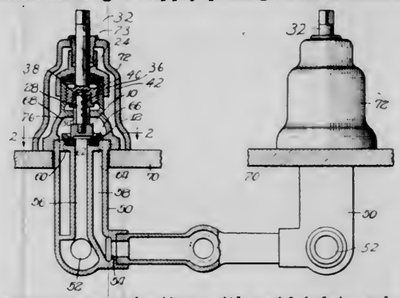
2,253,371
VALVE
Leo A. Fischer, Osborn, Ohio
Application February 21, 1939, Serial No. 257,691
2 Claims. (Cl. 251—46)



1. In a valve, an inlet member having a seat at its outer end, a movable closure member, said closure member adapted to seat on the outer face of said inlet seat, a removable compressible washer on the seat of said inlet member, removable screw moving means for moving said movable member into and out of closing contact, means associated with said movable member for positively preventing rotation thereof, and a swivel connection between said screw moving means and said movable closure member comprising a bushing screwed into said screw moving means and a stem on said movable closure member extending into said bushing, a split washer positioned in a groove in said stem and removable only after said bushing has been removed from said screw moving means, said bushing and split washer forming the sole means for holding said stem in said screw moving means.

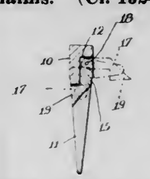
2,253,372
VALVE
Leo A. Fischer, Springfield, Ohio
Original application February 21, 1939, Serial No. 257,691. Divided and this application April 29, 1940, Serial No. 332,295
2 Claims. (Cl. 251—156)

1. In a valve adapted for installation in a fixed wall, a fitting having an inlet and outlet both adapted to be located on the inner side of said wall, said fitting having an extension adapted to project through an aperture in said wall and slightly beyond the same so that the outer end thereof is readily accessible from the outer side of said wall, a removable yieldable valve seat fitted in a groove in the outer end of said extension, a retaining ring for said seat having a threaded connection with the outer end of said extension and having its outer periphery formed to receive a tool for removal purposes, said extension having a supply passage and a discharge



passage communicating with said inlet and outlet, a valve housing having a threaded connection with the outer end of said extension and adapted to bear upon the outer side of said wall about the aperture therethrough, said housing having a chamber through which fluid from the supply passage passes to the exhaust passage, and a movable valve member cooperating with said valve seat.

2,253,373
SELF-CLEANING SANITARY COMB
Louis Greenspan, Brooklyn, N. Y.
Application March 1, 1939, Serial No. 259,808
2 Claims. (Cl. 132—28)

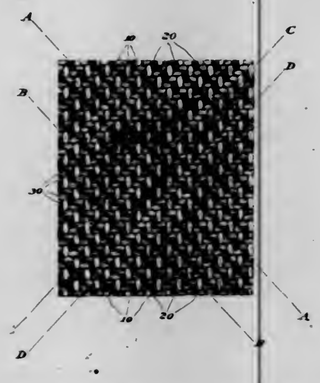


2. A self-cleaning sanitary comb comprising a comb body having a back and a front tooth portion, the back portion on one side being provided with a continuous longitudinal slot below the top edge, the said slot having reduced end portions to form opposing shoulders, a strip fitting into the longitudinal slot and having short teeth along the lower edge engageable between the upper ends of the teeth of the comb portion, the said strip carrying means inwardly of the ends thereof engageable with said opposing shoulders for pivotal connection between said strip and the comb body, end members secured to the said strip and projecting from the ends of the longitudinal slot to serve as grasping members for movement thereof about the comb body.

2,253,374
WOVEN FABRIC
Henry C. Haskell, Moosup, Conn., assignor to Brunswick Worsted Mills, Inc., Moosup, Conn., a corporation of Rhode Island
Application March 29, 1940, Serial No. 326,695
9 Claims. (Cl. 139—383)

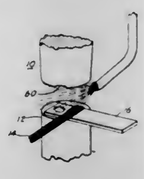
1. A woven simulated sharkskin fabric consisting of two sets of yarn, one of said sets forming the warp and the other forming the weft, of

said fabric, one of said sets consisting essentially of alternating light and dark yarns, and the other of said sets consisting essentially of adjacent strands of yarn of the same general color as the color of one of said light and dark yarns, and of a shade intermediate the shades



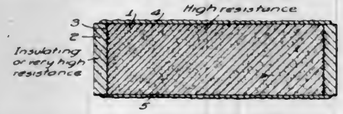
of said light and dark yarns, said warp and said weft being interwoven in a two-and-two twill weave and the fabric being characterized by the predominant dark diagonal visual effect in one diagonal direction distinctive to a conventional sharkskin fabric.

2,253,375
WELDING
Philip E. Henninger, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1939, Serial No. 282,160
In Great Britain October 20, 1938
1 Claim. (Cl. 219—10)



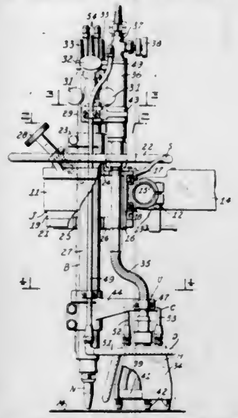
A method of spot welding a cuprous conductor of a plurality of relatively fine strands to a solid body member comprising the steps of placing the stranded conductor on the body member in welding position, generating the principal welding heat externally with respect to the stranded conductor by passing a relatively large electric current through a relatively high resistance molybdenum electrode member in engagement with said stranded conductor at the welding zone, conducting the current from the body member without generating any appreciable external heat adjacent the body member by passing the current through a relatively low resistance electrode member in engagement with said body member, applying pressure to the electrode members, and applying a cooling fluid to the conductor and body member adjacent the zone of welding to localize the fusion of the stranded conductor to said zone.

2,253,376
LIGHTNING-ARRESTER BLOCK
Frederick B. Johnson, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1939, Serial No. 280,677
7 Claims. (Cl. 201—76)



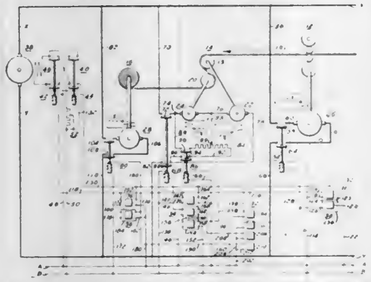
1. An excess-voltage protective device comprising a flat-ended high-resistance block comprising a main portion of high-resistance molded composition-material terminating in said flat ends and having a valve-type characteristic which enables it to readily discharge high currents at excessive voltages and to greatly increase its resistance to a discharge at normal voltages, a closely adhering edge-portion extending around at least each end of said main portion and also terminating in said flat ends, said edge-portion being of a higher order of resistivity than the average resistivity of said main portion, and a coating of a good conducting material covering each of the flat ends, each good-conducting coating covering all of said main portion and at least some of the surrounding edge-portion at its end of the block.

2,253,377
CUTTING OR WELDING AND HEAT-TREATING APPARATUS
Homer W. Jones, Westfield, N. J., and Herbert H. Moss, Brooklyn, and George W. Patch, Jr., Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
Application March 30, 1939, Serial No. 264,918
5 Claims. (Cl. 266—23)



1. A flame-cutting and heat-treating unit adapted to progressively remove ferrous metal along a path on a metal body, and to apply localized reconditioning heat to the successive metallurgically-affected portions along the path of metal removal, comprising a flame-cutting blowpipe adapted to discharge preheating and flame-cutting jets; a heating head operable independently of said blowpipe and positioned remotely from said blowpipe; a journalled mounting for rotatably supporting said blowpipe and said head as a unit, the axis of said journal being substantially perpendicular to said surface; and an apertured conduit adjacent to said head and adapted to contain inert fluid under pressure for projecting a screen of said fluid adjacent to and substantially transversely of said heating head, to deflect the secondary flames of said head away from said journal and said blowpipe.

2,253,378
CONTROL SYSTEM
Alonzo F. Kenyon, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 25, 1939, Serial No. 286,338
4 Claims. (Cl. 80—32)



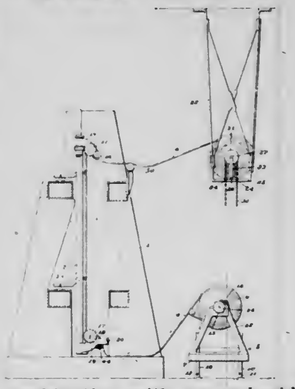
1. In a strip tension control system, in combination, a pair of spaced rolls over which the strip passes in frictional engagement, a drive motor for each of the said rolls, circuit means energizing the armatures of said motors in series circuit relation, and means for varying the relative values of the excitations of said motors whereby one of said motors will subject the strip to a greater tension through its associated roll than the other motor, voltage dividing means for providing a predetermined energization of each of the armatures of said motors, and means for rendering said voltage dividing means effective.

2,253,379
ULTRA HIGH FREQUENCY ADJUSTABLE ANTENNA
Theodore P. Kinn, Woodlawn, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 13, 1940, Serial No. 365,494
9 Claims. (Cl. 250—33)



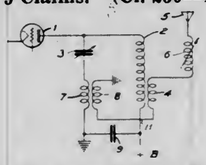
1. A radiating antenna comprising a central rod of conducting material surrounded by a conducting sheath in stationary relationship thereto, means supported for longitudinal movement relative to said sheath and a flexible conducting body having one end attached to the end of said sheath passing over said means, and means for maintaining the portions of said body not in contact with said means in substantially parallel relationship to said sheath.

2,253,380
FABRIC SUPPORTING AND FEEDING APPARATUS
Richard G. Knowland, Pelham, and James H. Johnson, Amsterdam, N. Y., assignors to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts
Application July 25, 1939, Serial No. 286,436
20 Claims. (Cl. 112—90)



1. In combination with an embroidery, turfing or like machine having a shifting frame for moving a base fabric edgewise across the paths of yarn projectors, fabric supporting and feeding apparatus for positioning successive portions of a continuous base fabric on said shifting frame comprising a carriage for a supply of base fabric disposed to one side of said shifting frame and supported independently of said frame, means mounting said carriage for relatively free shifting movement laterally with said frame and parallel thereto, and means on said frame for supporting a portion of said base fabric thereon under tension and for drawing base fabric from said supply carriage onto said frame.

2,253,381
HARMONIC REDUCTION CIRCUITS
Reuben Lee, Catonsville, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1939, Serial No. 295,559
5 Claims. (Cl. 250—17)



1. In a coupling circuit for radio frequency energy transfer, an input circuit comprising inductive and capacitive branches substantially in parallel and having undesired harmonic com-

ponents of a frequency to be transferred to a substantially greater extent in one of said branches than in the other, a primary output work circuit capable of transmitting undesired harmonic components of said frequency, means for coupling said output work circuit to said inductive branch circuit, a separate secondary output circuit coupled to said capacitive branch circuit and a current conductive connection only coupling said means for coupling and said secondary output circuit whereby said undesired harmonic components are mutually counteracted.

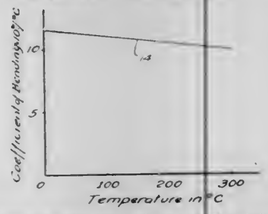
2,253,382

THERMOSTATIC MEMBER

Paul R. Lee, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 5, 1940, Serial No. 312,536

4 Claims. (Cl. 297—15)



1. A thermostatic member comprising a plurality of layers of metal having different coefficients of expansion, the higher coefficient of expansion layer having a composition of 95% to 98% of copper, 1% to 2% of iron, 1% to 2% of silicon and .5% to 1% of nickel, and the lower coefficient of expansion layer being an alloy comprising substantially 30% to 35% of copper and 65% to 70% of nickel.

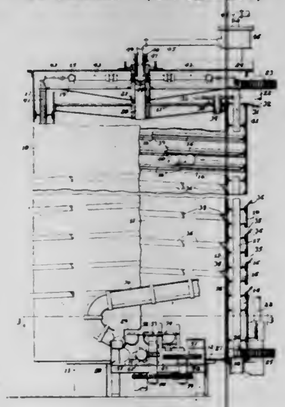
2,253,383

APPARATUS FOR COOLING CANS

Robert H. Lloyd, Honolulu, and James T. Youd, Lanakai, Oahu, Territory of Hawaii, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of the Territory of Hawaii

Application June 13, 1939, Serial No. 278,908

18 Claims. (Cl. 62—104)



1. In apparatus for cooling cans, spaced walls forming a cooling passage, means for spraying cooling liquid into said passage, means at opposite ends of said passage for feeding cans therein and discharging cans therefrom, means for conveying cans through said passage from said feeding means to said discharging means, and means to provide free circulation of air into and venting of heated vapors from said passage adjacent the path of travel of the cans therein for substantially the full length of said path.

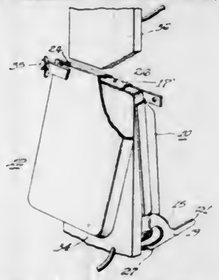
2,253,384

OVEN DOOR CONSTRUCTION

Lester E. Lown and Edwin H. Lockwood, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 4, 1939, Serial No. 249,181

3 Claims. (Cl. 29—148)



1. The method of making a two-piece bracketless door structure which includes the steps of forming a separate rear panel and front panel with depending edges, providing projections along one edge of the rear panel, placing an edge of the front panel over the corresponding edge of the rear panel in contact with the projections with a welding tool located between the panels, holding said panels in an ajar position upon said welding tool, applying a pressure and a welding current to the panels in line with the projections for fusing the panels together along one edge of each, and applying welding current to the remaining contiguous edges while holding said panels together in their closed position.

2,253,385

STEEL

William E. Mahin, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application January 29, 1941, Serial No. 376,420

5 Claims. (Cl. 75—128)

1. A tool steel suitable for hot pressing and permanent molding operations formed from an alloy composed of 8% to 20% chromium, 8% to 20% tungsten, 0.10% to 4% vanadium, 0.20% to 1% silicon, 0.15% to 3% manganese, 0.05% to 0.5% carbon and the balance substantially all iron.

2,253,386

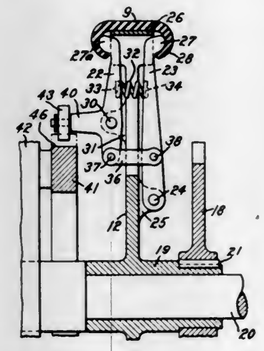
MOVING STAIRWAY

Harold V. McCormick, Westfield, N. J., assignor to Westinghouse Electric Elevator Company, Jersey City, N. J., a corporation of Illinois

Application December 7, 1940, Serial No. 369,024

8 Claims. (Cl. 198—16)

1. A moving stairway comprising an endless series of movable steps, a handrail, means for supporting the handrail adjacent to the stairway, a driving wheel for driving the handrail in accordance with the movement of the steps, a plurality of fingers pivotally mounted on the driving wheel with their free ends extending



toward the rim of the driving wheel, and means for moving the ends of the fingers into engagement with the handrail as it travels around with the driving wheel for increasing the traction between the driving wheel and the handrail.

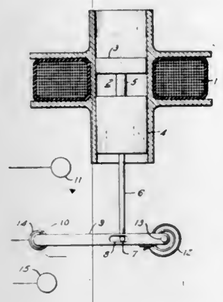
2,253,387

PLUNGER FOR SOLENOID TYPE RELAYS

John A. McLean, Jr., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 13, 1939, Serial No. 299,276

6 Claims. (Cl. 200—94)



2. A magnetically operated switch comprising, in combination, stationary contact means, a solenoid, a plunger type armature slidable therein, a contact member mounted thereon, said armature having two spaced pieces of magnetic material secured together by a non-magnetic member having a relatively small cross sectional area, means for normally maintaining said pieces on opposite sides of the most central point of said magnetic coil, said spaced pieces being arranged to have their centers of gravity selectively line up with the most concentrated portion of the magnetic field of said coil under the influence of different values of current through said solenoid thereby being effective to selectively slide with a snap action said contact member carried thereby into two different positions with respect to said stationary contact means for different values of energizing current through said solenoid.

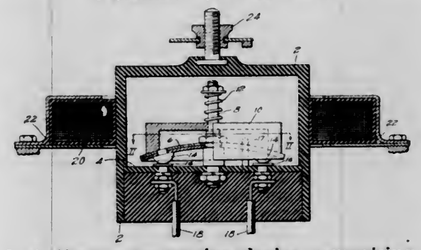
2,253,388

PROTECTIVE RELAY

Phelan McShane, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 14, 1938, Serial No. 245,665

7 Claims. (Cl. 200—122)



1. A thermo-responsive device comprising an operating element movable in response to a change in temperature, an electrical conducting member and means for biasing it into contact with said operating element, and means for inducing an electric current in said conducting member to heat it.

2,253,389

JELLY AND MANUFACTURE THEREOF

Nathan M. Mnookin, Kansas City, Mo., assignor to Speas Company

No Drawing. Application July 12, 1938, Serial No. 218,759

21 Claims. (Cl. 99—132)

6. The method of gelling an aqueous liquid with pectin to form a slightly alkaline, stable, pectin-gelled product, comprising reacting an alkaline earth metal compound capable of yielding an alkaline earth metal ion and an hydroxyl ion in an aqueous liquid with soluble pectin in the aqueous liquid, the said metal compound being present in an amount at least sufficient to produce in the final product a pH above 7, but insufficient to convert the pectin to pectate.

2,253,390

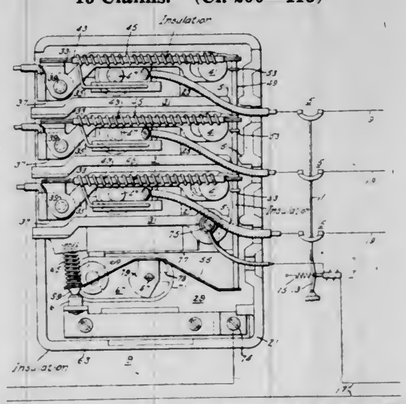
CIRCUIT INTERRUPTER

Otto Müller, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 26, 1939, Serial No. 270,214

In Germany April 26, 1938

15 Claims. (Cl. 200—113)



14. In a circuit interrupter, means operable to

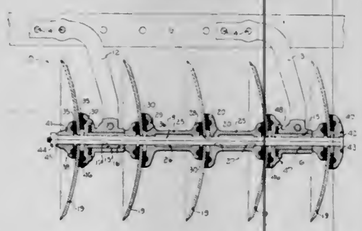
cause opening of the interrupter comprising a rotatably mounted inertial body of relatively heavy mass, a tension spring on said body, a common bar engaging said spring for partially rotating said body when said bar is moved relatively slowly, an ambient temperature compensating element carried by said body and movable therewith, said tension spring and said ambient temperature compensating element extending parallel to the surfaces of said body, and one or more current responsive bimetal control elements each operable in response to predetermined current conditions to move said bar relatively slowly for causing partial rotation of said body to effect said opening of the interrupter, said inertial body being rotatably mounted with its axis of rotation at the common center of gravity of said body and the elements carried thereby and connected thereto, said tension spring being flexed by quick movements of said bar in response to vibrations and jars to prevent movement of said body in response to vibrations and jars.

2,253,391

DISK IMPLEMENT

Emil F. Ohlendorf, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application April 1, 1939, Serial No. 265,505
8 Claims. (Cl. 97—220)



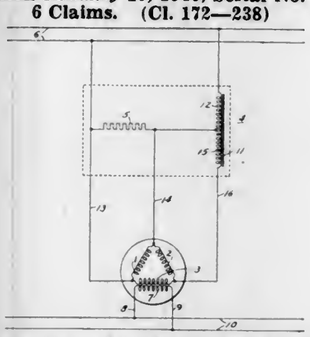
1. A disk gang comprising a gang bolt of non-circular cross section, a plurality of concavo-convex working disks mounted in spaced relation thereon, spacing spool members mounted on said bolt between said disks, cap members disposed on said gang bolt at the outer ends thereof on the outside of the outer disks, each of said members having radially outwardly extending flanged sections, each disk having a non-circular opening relatively closely fitting said gang bolt and through which the gang bolt passes, whereby each disc is supported in substantial metal-to-metal contact and held against rotation relative to said gang bolt, each of said disks being capable of limited lateral rocking movement about its point of non-rotatable support on the gang bolt, and a pair of yielding members, each having a central opening with an internal diameter greater than the gang bolt, said yielding members being disposed on opposite sides of each disk between the latter and the adjacent flanged sections, whereby said yielding members are normally out of contact with the gang bolt and lateral rocking movements of each disk about its metal-to-metal contact with said gang bolt are cushioned while all of said disks are caused by said contact with the gang bolt to rotate together, said yieldable members engaging each disk on opposite sides thereof and radially outwardly of the central supported portion of the disk, whereby laterally directed shocks, vibrations and the like, to which the disks are subjected in operation, are cushioned and absorbed.

2,253,392

SYNCHROSCOPE

Carl Oman, Cedar Grove, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 10, 1940, Serial No. 313,302
6 Claims. (Cl. 172—238)



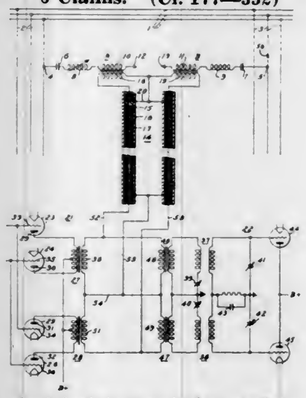
1. In a system for obtaining a three-phase voltage from a single-phase supply, auto-transformer means including primary and secondary windings, impedance means in series circuit with said primary winding, means for energizing said series circuit from said single-phase supply, and terminal means electrically connected to said system for providing a three-phase output therefrom.

2,253,393

METHOD OF CONNECTING CARRIER FREQUENCY TO A DOUBLE CIRCUIT

William E. Pakala, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 4, 1939, Serial No. 254,679
6 Claims. (Cl. 177—352)



1. An electrical transmission system comprising a three-phase power line, a pair of three-phase branch lines each comprising three wires and which branch lines are connected in parallel and are fed from said power line, a pair of high frequency carrier lines each comprising a first conductor and a second conductor, a pair of separate transformers, the primaries of which are connected in series across a pair of wires, one from each of said pair of branch lines, a ground connection between the primaries, and the secondaries of which are connected in series across the first corresponding ends of the said

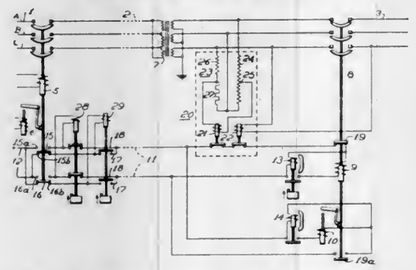
second conductors, an electrical device, a second pair of transformers having primaries which are connected in series across the other corresponding ends of the said second conductors and having secondaries which are connected to said electrical device, a connection which interconnects the intermediate points between the secondaries of said first pair of transformers and the first corresponding ends of the said first conductors, and a connection connecting the intermediate points of the primaries of said second pair of transformers to the other corresponding ends of the said first conductors.

2,253,394

NETWORK DISTRIBUTION SYSTEM

John S. Parsons, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 18, 1939, Serial No. 290,808
14 Claims. (Cl. 171—97)



10. In a polyphase network distribution system, a feeder circuit breaker, a network transformer, a polyphase feeder circuit for connecting said feeder circuit breaker to the primary of said transformer, a polyphase network circuit, a network circuit breaker for connecting said network circuit to the secondary of said transformer, polarized means operable into a network circuit breaker tripping condition or into a network circuit breaker closing condition in accordance with the polarity of the energization thereof, a pilot wire circuit extending between said network circuit breaker and said feeder circuit breaker for energizing said polarized means, a source of direct current, reversing switch means for connecting said direct current source to said pilot wire circuit for controlling the energization of said polarizer means, and closure control means responsive to a phase sequence component of the voltage of said network transformer for preventing closure of said network circuit breaker by operation of said polarized means, said closure control means comprising a negative phase sequence voltage filter connected for energization from said feeder circuit, and means responsive to the output of said voltage filter and to the voltage across a pole of said network circuit breaker for interrupting said network circuit breaker closing condition.

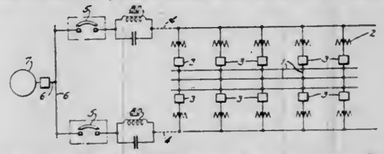
2,253,395

NETWORK DISTRIBUTION SYSTEM

John S. Parsons, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 19, 1939, Serial No. 295,571
10 Claims. (Cl. 171—97)

10. In a network distribution system, a source of electrical energy, a feeder circuit, a feeder circuit breaker for operatively connecting said feeder circuit to said source, a network circuit, a network circuit breaker for operatively connecting said network circuit to said feeder circuit, operating means for tripping and closing said network circuit means, and control means selectively operable from a point adjacent said feeder circuit



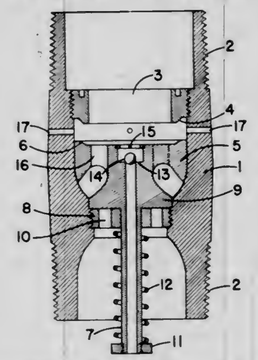
breaker for transmitting over a common channel either a closing impulse or an opening impulse to said operating means for closing or opening said network circuit breaker, means for restricting each of said impulses to a predetermined time interval, and means responsive to a flow of energy from said network circuit to said feeder circuit for tripping said network circuit breaker.

2,253,396

INTERMITTENT FLOW DEVICE

Edward E. Peake, La Salina, Venezuela, assignor to Standard Oil Development Company, a corporation of Delaware

Application August 31, 1939, Serial No. 292,765
4 Claims. (Cl. 103—232)



1. An intermittent flow device for an oil well tubing string comprising a section of tubing adapted to be connected in the string of tubing having a valve seat arranged in its interior and containing circumferential ports in its walls, a valve slidable in said section adapted to control the flow of fluid through said section of tubing to assume an open and a closed position and to be forced into open position by formation pressure, said valve being arranged to close said ports when in its open position and to fit against said seat when in its closed position, and means for normally urging said valve to its closed position.

2,253,397

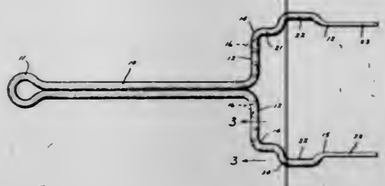
ICE BREAKING TOOL

Donald H. Reeves, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application September 17, 1940, Serial No. 357,154
5 Claims. (Cl. 125—23)

1. A rigid fork-like device formed of a metal rod bent to provide a handle having parts directed laterally from one end thereof and a tine

extending from each of said parts in spaced apart relation to one another, said parts of said device having a plurality of prongs extending downwardly therefrom, and a portion of said tines intermediate their ends and said laterally directed parts of said device being laterally spaced apart a greater distance than the ends thereof.

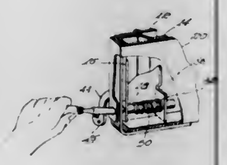


2,253,398

ENAMELED DOOR STRUCTURE

Joseph H. Reifenberg, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 13, 1939, Serial No. 284,150
6 Claims. (Cl. 189—46)



4. A door structure comprising, in combination, a front panel and a rear panel forming a substantially completely enclosed structure, a third panel enclosed within said front and rear panels and secured to one of them, said third panel having a projection disposed at an intermediate point thereof, and a hinge pin interconnecting said front and rear panels and said projection.

2,253,399

LUBRICATING OIL COMPOSITION

John E. Schott, New York, N. Y., and Leonard R. Churchill, Cranford, N. J., assignors to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware

No Drawing. Application April 5, 1938, Serial No. 200,072
3 Claims. (Cl. 252—37)

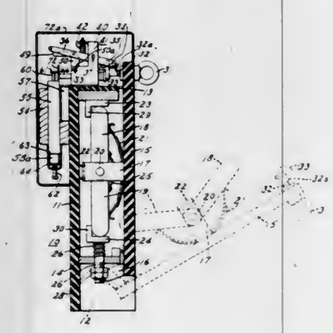
1. Substantially liquid and non-stringy lubricating oil for internal combustion engines operating at high sustained speeds and under extreme service conditions of temperature and pressure such as may be encountered in Diesel engine lubrication, which comprises a hydrocarbon motor oil of suitable viscosity for the intended service which has been compounded and heated with approximately 1% by weight of aluminum stearate and a quantity of triethanolamine, in the range of about 5% to about 20% by weight of said aluminum stearate, sufficient to improve the lubricating efficiency of the oil, said compounded oil having substantially the viscosity and fluidity characteristics of the uncompounded oil.

2,253,400

ELECTRIC SWITCH

Joseph J. Shoemaker, Pleasant Ridge, and Howard P. Seelye, Royal Oak, Mich., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application January 24, 1935, Serial No. 3,225. Divided and this application March 4, 1939, Serial No. 259,846
6 Claims. (Cl. 200—106)



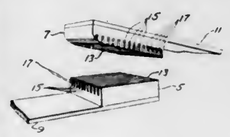
1. In an electric switch device, an electric switch, latching means for releasably latching said switch in closed position, said latching means requiring actuation from a first condition into a second predetermined condition before said latching means can be actuated for releasing said switch, electroresponsive means responsive to a predetermined energization for actuating said latching means into said second predetermined condition, means responsive to deenergization of said electroresponsive means for actuating said latching means into a third condition for releasing said switch, and means rendered operative by a release of said switch for restoring said latching means to said first condition upon reclosure of said switch.

2,253,401

CIRCUIT INTERRUPTER CONTACT

Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 9, 1937, Serial No. 168,225
20 Claims. (Cl. 200—166)



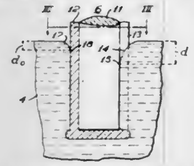
1. A circuit interrupter including a pair of relatively movable contacts one of which comprises a body of metallic conducting material having its contact surface provided with a relatively large number of portions of a material which prevents adhering or welding of the contacts and which separate the metallic conducting material at the contact surface into a plurality of separate metallic portions, the other contact in the closed position of the contacts engaging a plurality of the metallic portions of the said one contact.

2,253,402

MAKE-ALIVE ELECTRODE FOR VAPOR-ELECTRIC CONVERTERS

Joseph Slepian, Pittsburgh, Pa., and Herbert A. Rose, Belle Meade, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 13, 1939, Serial No. 278,842
4 Claims. (Cl. 250—27.5)



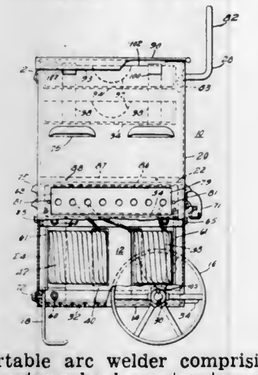
1. A make-alive electrode for a vapor-electric converter of a type having a vaporizable liquid cathode, an anode separated from said cathode, and a make-alive electrode projecting into said cathode, said make-alive electrode comprising a rod-like core of a high-resistance make-alive material and a closely fitting slotted sheath of insulating material, said sheath having a thickness of at least about 0.1 millimeter and having a longitudinally extending slot extending through the wall thereof, said slot having a width of at least about 0.2 millimeter and not more than about 2 millimeters, the width of the slot being so dimensioned, within said limits, as to cause the meniscus of the cathode to barely touch said core with a substantially zero pressure at some point below the level of the cathode.

2,253,403

WELDING APPARATUS

Emil F. Steinert, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 4, 1939, Serial No. 254,625
5 Claims. (Cl. 219—8)



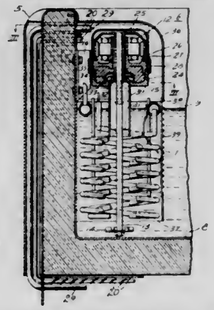
1. A portable arc welder comprising, a substantially rectangular base structure having end and side members mounted in a horizontal position on a plurality of wheels, a metal ventilating screen attached to the base member over the opening therein formed by the end and side members, a transformer reactor power unit mounted on the base structure above the screen, a substantially rectangular-shaped sheet metal housing having an upper compartment and a ventilated lower compartment open at the bottom detachably secured at its lower end to the base structure, said lower compartment enclosing the transformer-reactor power unit, and means detachably securing the housing intermediate its top and bottom to the transformer-reactor power unit to brace the housing and give it greater rigidity with respect to the base structure.

2,253,404

SUBMERSIBLE ELECTRIC MOTOR

Elo C. Tanner, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 30, 1939, Serial No. 282,159
4 Claims. (Cl. 172—36)



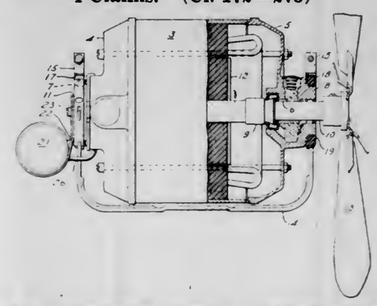
1. A submersible electric motor having a rotatable shaft extending a considerable distance downwardly below the motor, said motor having a mounting-base having a substantially cylindrical outer surface-portion, a hollow, inverted, cup-like, substantially air-tight shell mounted on said mounting-base and enclosing all parts of said motor above said mounting-base, said shell including a substantially air-tight means for bringing the motor-leads therethrough, said shell terminating in a substantially cylindrical extension of said substantially cylindrical outer surface-portion of said mounting-base, a soft, resilient ring-member covering the joint between said shell and said base and hermetically sealed to both said shell and said base, and means surrounding the shaft at said bottom-opening for impeding or preventing the entrance of liquid into the motor.

2,253,405

MOUNTING FOR CAPACITOR-MOTORS

Cyril G. Veinott, Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

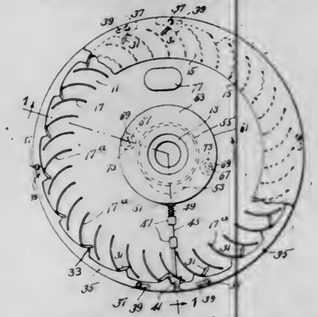
Application December 13, 1939, Serial No. 309,001
4 Claims. (Cl. 172—278)



1. An alternating-current rotating-shaft dynamo-electric machine of a type having a ca-

pacitor associated therewith, said capacitor being compact so as to lie within the confines of a small space or bulk, said machine having a stator-member having bearing-protuberances surrounding the shaft and projecting from the respective ends of the stator-frame, the shaft extending through the stator-frame at only one of said bearing-protuberances, the other bearing-protuberance having a substantially flat end, a mounting-ring assembly clampingly surrounding each bearing-protuberance for supporting the machine, and means for attaching the capacitor to the outside surface of the substantially flat end of said other bearing-protuberance.

2,253,406
AIR DELIVERY DEVICE
George B. Wagner, Holbrook, Mass., assignor to Albert W. Rockwood, Wakefield, Mass.
Application May 31, 1938, Serial No. 210,828
3 Claims. (Cl. 230—114)



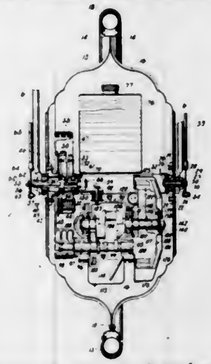
3. An air impeller of the squirrel cage type having an air delivery device comprising a hub provided with opposed plate-like supports, one with a central air admission orifice, a series of peripherally arranged, transverse impelling blades extending between and variably positioned by the supports, a blade adjusting member movably carried by one of said supports and operatively related to the blades, an actuating member for moving said blade adjusting member to change simultaneously the angular position of a plurality of blades, and means mounted on the hub of the impeller and responsive to the temperature of the air passing through the impeller for operating said actuating member while the impeller is being driven.

2,253,407
RAILWAY TRUCK
Allen Wallace, Moorestown, N. J.
Application October 24, 1939, Serial No. 300,909
1 Claim. (Cl. 105—197.1)



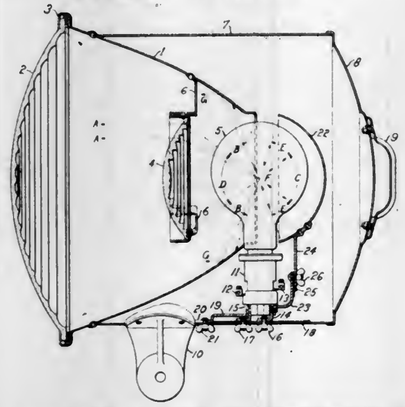
A railway truck comprising, in combination, wheel and axle assemblies, journal boxes on the axles, a truck frame provided with wheel pieces on each side of the truck frame and each wheel piece having a centrally depressed portion formed of two transversely spaced walls, said spaced walls terminating in upwardly extending arched pedestal structures each of which are also formed of two transversely spaced walls constituting continuations of said spaced walls of the wheel pieces, said pedestal walls extending vertically for the full depth of the pedestals and terminating at their upper ends in transversely spaced arched walls which pass over the axles and journal boxes therefor, said arched walls which pass over the journal boxes being connected at their upper edges by a horizontal spring seat wall, said pedestal structures having pedestal guides on which said journal boxes are vertically slidable during normal operation of the truck, springs interposed between said journal boxes and said horizontal spring seat wall which connects the arched walls overlying the journal boxes, a bolster having longitudinally extending arms terminating in the space between the vertically extending walls of said pedestal structure, said vertically extending walls having between the same at their lower portion adjacent the bottom of the spaced walls of the wheel pieces a horizontal spring seating wall, coil springs positioned between the transversely spaced vertical walls of the pedestals and interposed between said latter horizontal spring seat wall and the remote ends of said longitudinal bolster arms whereby said latter springs are disposed within the pedestal structure, and a longitudinally extending leaf spring supported between the spaced walls of the depressed central portion of the frame wheel pieces and engaging said bolster at its intermediate portion whereby said leaf spring is adapted to carry a substantial load while the coil springs at the ends of the bolster stabilize the bolster to maintain it in a substantially horizontal position, said bolster having engagement with its coiled springs and with said leaf spring substantially in a common horizontal plane.

2,253,408
MOTOR DRIVEN VEHICLE
Ernest M. Watkins and William R. Beckman, South Bend, Ind.
Application June 28, 1939, Serial No. 281,600
15 Claims. (Cl. 180—33)



1. In a vehicle having a chambered road wheel, a fork for supporting said wheel, a rectangular cradle secured to said fork and forming a journal for the wheel, a motor pivotally suspended from adjacent one end of said cradle, means forming a resilient connection between said motor and a point on said cradle spaced from said end, a drive pulley on said motor, a pulley mounted coaxially of said wheel, a belt driven from said first pulley and driving said second pulley, clutch means for coupling said second pulley to said wheel, said resilient connection means normally urging said motor about its pivot in a direction to tension said belt.

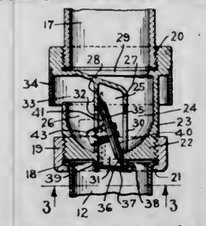
2,253,409
LIGHT PROJECTOR
Frederic C. Winkler and Irvine A. Yost, Lakewood, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 12, 1938, Serial No. 239,909
3 Claims. (Cl. 240—41.3)



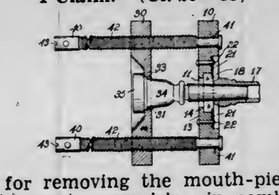
1. In a light projector, the combination of a main parabolic reflector, said reflector being provided with an opening at the back thereof defined by a transverse plane passed through said reflector substantially at the focus thereof, an enclosing casing for said reflector provided with a removable end cover and a slot in the underside thereof, a convex stepped lens of a diameter substantially equal to the diameter of said reflector opening, means for mounting said lens within said reflector coaxially therewith and at such a point on said axis that the foci of said lens and said reflector are coincident, a lamp comprising a light source and an enclosing light transmitting envelope therefor, a socket for supporting said lamp with the light source coaxially with said reflector, means engaging said slot in the underside of said casing for supporting the socket and providing for movement therealong, an adjustable stop member engaging said slot for limiting forward travel of said socket, a separate spherical reflector, means for mounting said spherical reflector on said socket concentric with said light source and partially enclosing said envelope, said means including a hinge member to permit said spherical reflector to be moved pivotally from its normal upright position for lamp replacements and a front spread lens for the main reflector.

2,253,410
VACUUM BREAKER
Ernest W. Work, New Britain, Conn., assignor to The Beaton & Cadwell Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application October 15, 1938, Serial No. 235,277
16 Claims. (Cl. 137—69)

2. In a vacuum breaker for a liquid system, a cylindrical casing, said casing including a water chamber connected to a water supply, an intermediate chamber connected to said water chamber and having means at the bottom thereof for connection to an outlet, an air chamber connected to the atmosphere and to the intermediate chamber, said intermediate chamber having valve seats at the points of connection with said water and air chambers and a rockable upstanding thin double-faced valve member disposed in said intermediate chamber and freely movable therein to automatically engage said valve seats and close the connection between said air chamber and said intermediate chamber when water is flowing through said intermediate chamber and to open this connection when the flow of water stops.

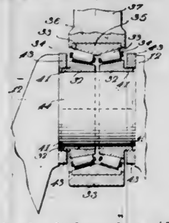


2,253,411
MOUTHPIECE PULLER
Josephus Thompson, Covington, Ohio, assignor of one-tenth to Grossman Music Company, Cleveland, Ohio, a partnership composed of Julius I. Grossman and Henry S. Grossman
Application October 11, 1940, Serial No. 360,785
1 Claim. (Cl. 29—85)



A tool for removing the mouth-piece from a band instrument, comprising in combination, a first plate member having a lateral opening therethrough, said opening being surrounded at one end by an annular recess, spring clips adjacent to the said opening and overlying said recess, a collar member having a tapered opening consisting of separable portions adapted to encircle the said mouth-piece and engage said instrument for exerting a thrust thereon in one direction, said collar member being seated in said recess behind said spring clips and having indents thereon engageable with the said spring clips, a second plate member adapted to engage with the said mouth-piece for exerting a thrust thereon in an opposite direction, and a jack-screw means operatively associated with the plate members in a manner whereby the two plate members may be separated thereby drawing the said instrument and mouth-piece apart.

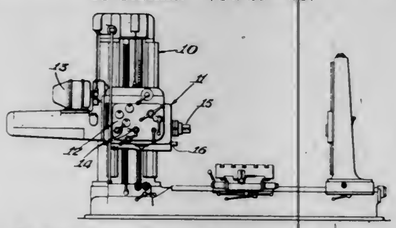
2,253,412
DISCONNECTING ROLLER BEARING
Earl S. Young, San Antonio, Tex.
Application March 12, 1941, Serial No. 383,008
2 Claims. (Cl. 308—207)



1. In a crank shaft bearing, the combination of

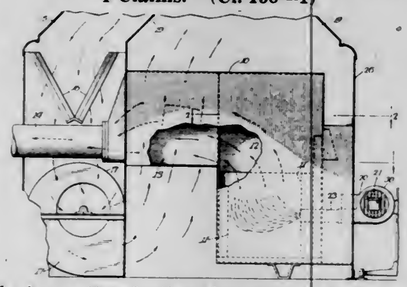
an outside tapered race, an inside tapered race, roller bearing assemblies between the races, both races and the roller bearing assemblies being of arcuate sectional formation to adapt them to be easily applied to a crank shaft, a box bearing and a cap therefor receiving the outer race, arcuate extensions on the outer lateral sides of the sections of the inside race adapted to snugly fit the shaft, said extensions being externally screw-threaded, and nuts each formed of sections removably connected together and threaded on to the extensions to secure the inside sections of the inside race in assembled relation, one of said nuts being adapted to be rotated against a portion of said shaft as an abutment for moving the sections of the inside race longitudinally of the shaft to take up wear.

2,253,413
SPINDLE DRIVE CONTROL FOR MACHINE TOOLS
Harry Russell Young, Merion, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application November 14, 1939, Serial No. 304,419
18 Claims. (Cl. 29—26)



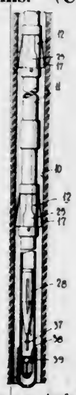
1. In a machine tool of the type described and in combination, a reversible powershaft, a pair of spindles, a drive for said spindles so constructed and arranged that one spindle rotates reversely to the other, a transmission connecting said shaft and drive including shiftable units shifting of which produces a plurality of speeds comprising a group of speeds for and peculiar to each spindle, a single shiftable operating member controlling the shifting of said units and means automatically reversing said power shaft when the operating member is shifted to select a speed of a group other than that previously in use.

2,253,414
MEANS FOR PREVENTING PULSATING IN HEATING DEVICES
Louis E. Arnold, Moline, Ill., assignor to The George Evans Corporation, Moline, Ill., a corporation of Illinois
Application October 6, 1937, Serial No. 167,499
4 Claims. (Cl. 158—1)



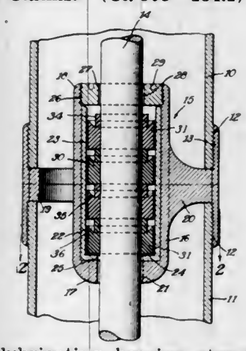
1. An anti-pulsating furnace having an enclosed combustion chamber which is substantially pressure tight except for the flue exit, means for introducing fuel under pressure into said chamber, means for introducing combustion air into said chamber, said air-introducing means including a device for reducing the air supply near where it is introduced into said chamber, and means for supplying air to said air-introducing means behind said reducing device in such quantity and at such pressure that the static pressure of the air behind said reducing device is maintained considerably in excess of any pressure that may occur in the combustion chamber.

2,253,415
MEANS FOR CENTERING TUBULAR WELL STRINGS
Gerson H. Brodie, Houston, Tex.
Application September 8, 1939, Serial No. 294,010
16 Claims. (Cl. 166—1)



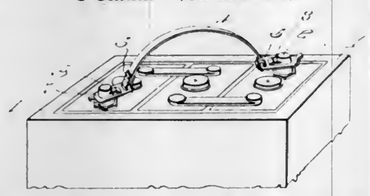
1. In combination, a tubular well string having interposed therein normally retracted but projectable elements adapted to be extended outwardly from various sides of the string and to engage the wall of a bore hole for centering the string therein, a plug adapted to travel down the string and provided with means for projecting said centering elements, and latching means cooperating with said elements for holding the same in projected position.

2,253,416
BEARING AND BEARING RETAINER
Farley M. Caldwell, Cincinnati, Ohio
Application July 22, 1940, Serial No. 346,852
9 Claims. (Cl. 308—134.1)



1. A self-lubricating bearing structure for a rotating shaft comprising a sleeve of non-conducting material adapted to be fixedly secured to the shaft for rotation therewith, and a casing also of non-conducting material enclosing the sleeve and supporting the shaft, the periphery of the sleeve being normally spaced from the casing and having a plurality of spaced grooves opening therethrough, the bottom wall of the groove sloping downwardly from the peripheral opening to provide pockets for receiving and retaining a fluid, which sloping wall directs the fluid retained outwardly and upwardly through the groove opening and into the interstice between the sleeve and casing immediately upon operation of the shaft.

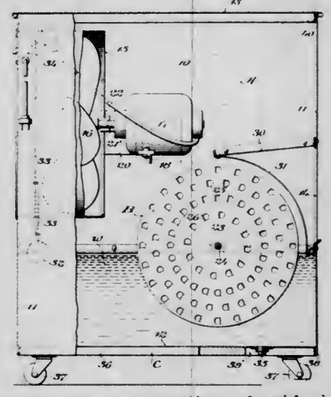
2,253,417
TERMINAL CLIP
William C. Clark, Urbana, Ill.
Application November 27, 1939, Serial No. 306,363
1 Claim. (Cl. 294—92)



A battery carrying strap having clips for engaging the truncated cone-shaped terminals of an electric storage battery, each clip comprising in combination a single strip of metal of a substantially rectangular confiuration and having a slot formed in one end thereof whereby one end of the strap may be connected to each clip, each clip having an elongated opening formed therein with a rounded end wall, a tongue struck from each metal strip having a contiguous connection therewith at a point opposite from the rounded end wall formed by the opening therein, the free end portion of said tongue lying in a plane above and parallel with the metal strip, the extremity of the free end portion of said tongue terminating in a rounded knife edge, which latter when combined with the rounded end wall of the opening formed within each metal strip provides a circular opening of a diameter capable of receiving one of the truncated cone-shaped terminals of the battery, a reduced projection formed contiguous with and extending from the opposite end of each of said clips, each projection extending upwardly and outwardly from the clip therefor, the outer extremity of each projection being remotely positioned with respect to its clip and providing handles whereby the clips may be lifted from the terminal post of the battery seated within the openings thereof when removing the strap.

2,253,418
AIR CONDITIONING APPARATUS
Max Crandall and Marsh Sanders, Kingfisher, Okla.
Application November 21, 1939, Serial No. 305,513
1 Claim. (Cl. 261—92)

Air conditioning apparatus comprising a casing to contain in its bottom a body of water, said casing having an air inlet opening and a louvered rotatably adjustable air outlet duct, means for drawing air into said casing through said inlet opening and for delivering it from said casing through said outlet duct, means for subjecting the air flowing through said casing to the cooling, moistening and cleansing action of the water in said casing, blocks carried by the side walls of the casing and engaged by opposite outer side faces of the inner end portion of the air outlet duct, clamp plates engaged with opposite sides of the inner



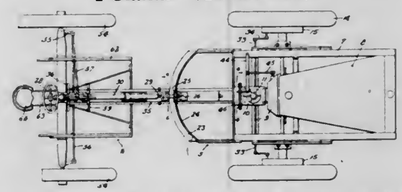
face of the inner end portion of said air outlet duct, and means reacting from said blocks for drawing said clamp plates against the inner faces of said duct, thereby to clamp said duct in different rotatably adjusted positions.

2,253,419
PLOW LIFT MECHANISM
Kelly Gore Cunningham, Evans, W. Va.
Application December 19, 1940, Serial No. 370,869
6 Claims. (Cl. 97—73)



1. In a lift mechanism for the frame of a wheeled agricultural machine having a clutch between the frame and a wheel, a tripping element for said clutch, and power means under control of an operator to actuate said tripping element.

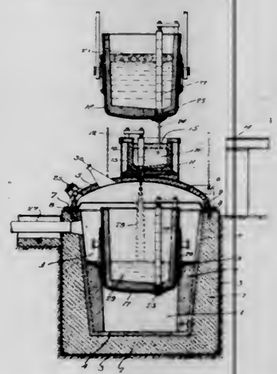
2,253,420
TRACTOR
Peter P. Cupal, Flint, Mich.
Application July 13, 1939, Serial No. 284,357
1 Claim. (Cl. 180—12)



In combination, a tractor including a frame and power transmission means mounted thereon, a control truck, said truck including a frame a horizontally disposed arcuate gear on the frame of the tractor, a tongue extending forwardly from the truck frame and having a downwardly and forwardly extending arm, a pivotal connection between the tractor frame and the forward end of the arm, a gear mounted on the control truck and meshing with the first-mentioned gear, and

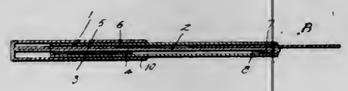
means on the truck for rotating the last-mentioned gear, said downwardly and forwardly extending arm being adapted to avoid the transmission portion of the tractor, said connection between the arm and the tractor consisting of a U-shaped frame having its upper ends attached to the frame of the tractor and a pivotal connection between the arm and the lower intermediate portion of the U-shaped frame.

2,253,421
METHOD AND APPARATUS FOR DEOXIDIZING AND DEGASIFYING LIQUID STEEL
Baltzar E. L. de Maré, Philadelphia, Pa.
Application September 18, 1939, Serial No. 295,491
In Sweden September 20, 1938
3 Claims. (Cl. 75—13)



1. Method to deoxidize and degasify liquid steel, characterized by the liquid steel being tapped into a ladle from a Bessemer converter or melting furnace, being then poured from said ladle through a smaller open vessel into a ladle located in a vacuum chamber, wherein the metal during its passage through said vessel is electrically heated and brought into intimate contact with a deoxidizing slag by action of the electric heating currents, and wherein the metal during its passage from said vessel to the ladle in the vacuum chamber is subjected to high vacuum to effect degasifying of the metal.

2,253,422
BLADE HOLDER
Edward R. Douglass, Minot, N. Dak.
Application August 1, 1940, Serial No. 349,323
4 Claims. (Cl. 30—162)



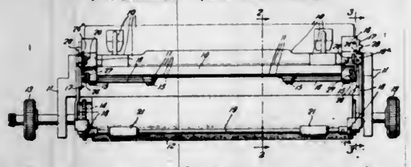
1. A holder for a knife blade comprising a casing open at both ends, an elongated member snugly fitting within the casing and having sliding movement therethrough, said member being of a length in excess of the length of the casing, one end portion of the member being of increased thickness to coact with a wall of the casing when said extremity is moved within the casing to clamp a cutting blade between said wall of the casing and the thickened extremity of the member.

2,253,423
ARTICLE CARRIER FOR AUTOMOBILES
Albert E. Fellers, Lansing, and Byron C. Lord, Clayton, Mich.
Application February 21, 1939, Serial No. 257,714
5 Claims. (Cl. 224—29)



1. A device for supporting articles in an automobile comprising a longitudinally extensible and contractible longitudinally bowed inherently resilient frame formed of side bars and cross pieces connecting the same, said side bars embodying sections slidably connected for adjusting the frame as to length and having downturned end portions adapted to be engaged with supports on the inner faces of the automobile side walls and to be placed under stress by further bowing the frame and then releasing it into operative position to engage and hold said end portions in engagement with said side walls.

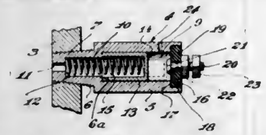
2,253,424
TYPEWRITING MACHINE
William A. Gabrielson, Syracuse, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application July 10, 1940, Serial No. 344,767
7 Claims. (Cl. 197—138)



1. In a typing machine having a platen carriage, a roller platen journalled on the carriage, and a paper-holding bail coactive with the platen, means detachably pivotally holding the bail to the carriage for swinging of the bail toward and from the platen, said means comprising, in combination, a pair of journal members fixedly held to the respective side arms of the bail and detachable from the carriage with said bail, a pair of bearing supports on the carriage adjacent opposite ends of the carriage each formed with an open bearing slot for one of said journal members, a pair of springs anchored to the respective bearing supports, each spring and the adjacent bail side arm abutting opposite faces of the adjacent bearing support, each journal member having a circumferential channel in which the adjacent spring is releasably engaged, each spring having a free end portion normally extending across the mouth of the adjacent bearing slot and flexible to permit the journal member to be moved into and out of the slot.

2,253,425
ELECTRIC SWITCH
Walter S. Garland, Oakland, Calif., assignor to Ruby R. Garland, Oakland, Calif.
Application July 28, 1939, Serial No. 287,177
1 Claim. (Cl. 200—82)

An electric switch including a switch member having a sleeve formed with a bore, said bore being reduced to define a shoulder and a spring receiving portion, a piston slidable in the bore and having a closed outer end portion and an open inner end portion, an end wall of insulating material closing the bore at its outer end, said bore having an opening defining a vent, a contact bolt carried on the end wall and having a contact head within the bore, and a spring carried in the spring receiving portion and extending within the piston and normally urging the end portion of the piston into engagement with the contact bolt,

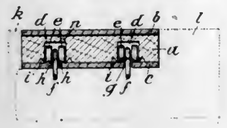


said piston being shiftable against the tension of the spring for disengaging the end portion from the contact head by suction from an intake manifold, said shoulder engaging the open inner end of the piston and limiting inward movement thereof, said piston defining a guide for said spring and said vent admitting air to the bore for allowing movement of the piston therein.

2,253,426
METHOD FOR PRODUCING LUMINESCENT SCREENS
Kurt Heinz Graefe, Berlin, Germany
No Drawing. Application December 13, 1939, Serial No. 308,954. In Germany December 13, 1938
5 Claims. (Cl. 91—70)

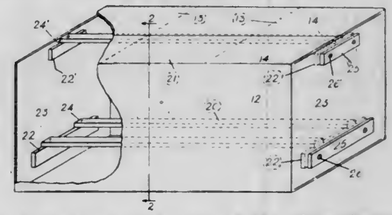
1. A method for producing a luminescent screen on a surface of glass or the like arranged inside of a vessel consisting in the steps of filling said vessel with a mixture of the vapour of a combustible compound of a solid element of the sulphur group with oxygen and an indifferent gas, in producing an incomplete combustion of said mixture in said vessel so as to obtain a thin layer of said element on the surfaces inside of said vessel, in removing said layer from all parts not to be made luminescent, in covering the remaining layer with powder of a luminescent salt by filling in the vessel a large quantity of said powder and distributing it by a shaking process, and in removing the layer of said element by evaporation.

2,253,427
CURTAIN ROD OF THE RAILWAY TYPE
Wilhelm Hachtel, Musberg-on-the-Fils, Germany
Application July 20, 1938, Serial No. 220,310
In Germany August 11, 1937
3 Claims. (Cl. 156—19)



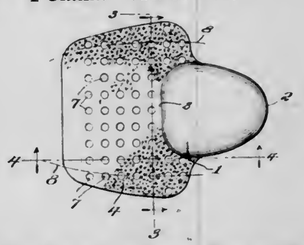
1. In a curtain rod for supporting curtains, a piece of long cut wood having a hollow space extending over the entire length thereof and forming a track for the rollers of a curtain hanger and a slit extending from the hollow space to the lower surface of said piece of wood to form in this hollow space two races for the rollers of a hanger, with hanger itself adapted to extend through said slit; said piece of long cut wood having at least one layer of cross cut wood glued on the top and lower faces of said piece of long cut wood so that the fibres of the cross cut wood extend transversely to the fibres of the long cut wood.

2,253,428
PACKING
George T. Henderson, Sandusky, Ohio, assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application April 8, 1940, Serial No. 328,552
3 Claims. (Cl. 206—46)



1. A packing container of the class described, having walls of artificial fibrous board, means for holding an article inside of said container and out of contact with said walls, comprising longitudinally extending members and transversely extending end pieces for supporting said longitudinally extending members, means for connecting said end pieces to the walls of said container and to provide a handle on the outside of the container, said means comprising strips disposed on the outer wall of the container in opposing relation to said end pieces, and means extending through said walls and connecting the end pieces and strips together and adapted to clamp the container wall sufficiently tight between the strips and end pieces to slightly displace the material of the wall and distribute strains applied through the end pieces and strips to the wall over a large area of the wall.

2,253,429
METATARSAL PAD
Roger L. Hess, Elgin, Ill.
Application September 30, 1940, Serial No. 359,155
1 Claim. (Cl. 36—71)



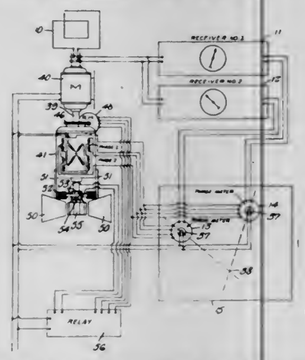
A metatarsal pad comprising an arch supporting member of elastic material and being of substantially elliptical formation to provide a narrow rear end portion and a wide front end portion, said member decreasing in thickness from its front portion to its rear end and having a flat under face and an upper face rounded to the edges of said member, said member having a recess in the under face at the forward end portion thereof, a substantially flat trapezoidal shaped cushioning member formed from sponge rubber and having its rear end portion secured within the recess, said cushioning member being of a length to extend forwardly from the arch supporting member for the ball of the foot to rest upon the cushioning member for the latter to set up a massaging action against said ball for cooperation with the arch supporting member to remove and prevent calluses and the like on said ball, said cushioning member having a

flat under face flush with the under face of the arch supporting member, and said cushioning member having beveled edge portions and provided with perforations for the major portion of its area.

2,253,430
RADIO CARTOGRAPHIC POSITION INDICATOR

Waller S. Hunt and Joe M. Francis, Roanoke, Va.

Application October 6, 1938, Serial No. 233,650
3 Claims. (Cl. 250—11)



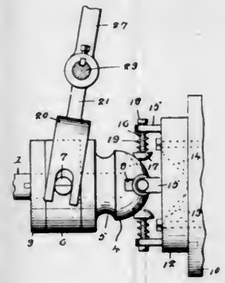
1. Means for determining location in a given area which comprises a rotating antenna for producing modulation of received signals, a polyphase generator synchronized with said antenna and generating current having a periodicity corresponding to the modulation produced by the antenna in receiving signals, a duality of receivers tuned to remotely positioned transmitters in said area and having their inputs connected with said antenna, a duality of phase meters having stationary and movable systems of magnetism, the generator having the outputs of its separate phases delivered one to one of the magnetic systems of each of the phase meters, the receivers having their outputs delivered one to the other system of magnetism of each of the phase meters, a map of the given area, the phase meters being adapted for the positioning of their movable systems of magnetism at points coincident with the points of position of the transmitters on the map, illuminating means carried by the movable systems of magnetism of the phase meters so that fans of light may be cast therefrom to define lines of light on the map, and adjustable mountings for the phase meters to provide for bodily adjustment either longitudinally or laterally of the map or both without angular or turning movement, the antenna and generator being so co-ordinated that the latter has a definite position with respect to the direction of the magnetic meridian passing through its point of location, the phase meters being provided with micrometric means for angular adjustment to compensate for irregularities of isogonic lines.

2,253,431
CLUTCH

Christopher Johansen, Los Angeles, Calif.

Application October 7, 1940, Serial No. 360,192
2 Claims. (Cl. 192—67)

1. A clutch for coupling a drive shaft with respect to a driven shaft for driving the latter, and comprising a male coupling element splined to the drive shaft for slidable movement and including a body, a head formed on the body and including a semi-spherical portion having pockets therein, a female element associated with the drive shaft and having a concavity therein for fittingly receiving the semi-spherical portion, ribs formed within the concavity and shaped to fit within the pockets, means for shifting the male element into and out of coupling position with respect to the female element, said head

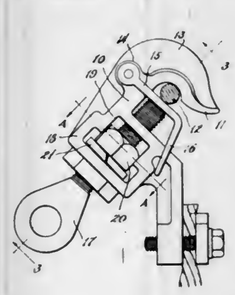


having an annular channel groove therein, arms formed on the female element, latch members including shanks slidably mounted through the arms, rounded heads on the shanks, and springs sleeved on the shanks between the arms and said rounded heads for urging the latter to a position to be received within the channel groove for holding the male element in coupled position.

2,253,432
TAP CLAMP

Tomlinson F. Johnson, Atlanta, Ga.

Application January 11, 1939, Serial No. 250,456
3 Claims. (Cl. 173—273)

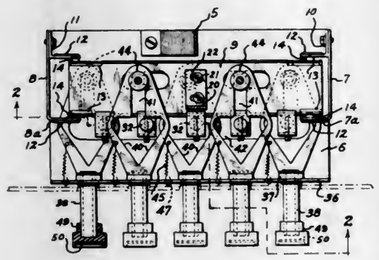


1. A tap clamp for high tension transmission conductors comprising, in combination, a hook-shaped body having an integral enlargement below the bight portion opposite the hook; a movable conductor gripping member cooperating with the hook; a substantially rectangular opening extending transversely through the enlargement at right angles to the hook; a nut inserted in said opening through either side of the body and held against rotation by the front and rear walls of the opening; a clamping bolt extending through the enlargement threaded through the nut and engaging said gripping member; a powerful spring member on the bolt between the nut and the bottom wall of the pocket exerting sufficient pressure on the gripping member to prevent ordinary vibrations of the clamp relative to the conductor; and a tap arm on the front side of said enlargement.

2,253,433
RAPID SELECTOR MEANS FOR RADIO SETS AND THE LIKE

Leonard A. Kellogg, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio

Application November 10, 1937, Serial No. 173,936
12 Claims. (Cl. 74—10)

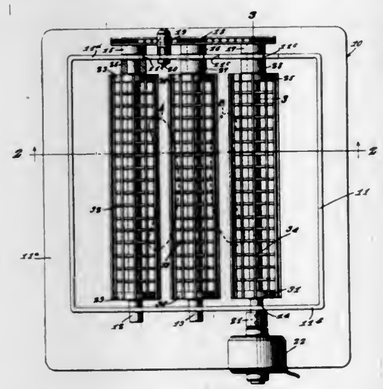


1. In a radio set, a tunable mechanism, a carriage mounted for longitudinal movement, a driving connection between said carriage and said mechanism, a plurality of selective manually operative means for moving said carriage, and means adjustable on said carriage to predetermine the longitudinal positions to which said carriage is moved by said operative means.

2,253,434
HOLDER FOR FOODSTUFFS WHILE ROASTING

John C. Kernick, Danbury, Conn.

Application April 23, 1940, Serial No. 331,237
3 Claims. (Cl. 53—5)



1. A device for holding foodstuffs while roasting comprising a horizontal rectangular frame; a plurality of essentially parallel freely rotatable spindles, each journalled at one end in a side of the frame and at the opposite end received in obliquely extending slots in the opposite side of the frame; gears, one on each of the spindles and driving means connected to one of the spindles for causing simultaneous rotation thereof; and a plurality of hollow foraminous cylinders, one mounted on each of said spindles, cooperating to cause turning of foodstuffs resting thereon when the spindles are rotated.

2,253,435
CONNECTION OF THE ENDS OF WIRES

Josef Lang, Altena in Westphalia, Germany, assignor to P. A. Rentrop Akt. Ges., Stadthagen, Lippe, Germany

Application December 26, 1939, Serial No. 310,984
In Germany April 25, 1938
1 Claim. (Cl. 287—109)

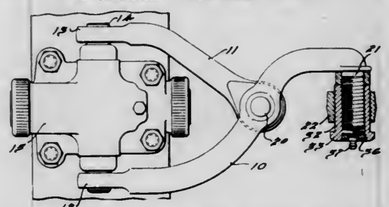


In a connector for the ends of wires to be embedded in tires of cycles and motor cycles, wherein each wire end has an enlarged solid head, said connector comprising a sleeve open at both ends and having a solid partition intermediate the ends for abutting contact by the heads on the ends of the wires and the walls of the sleeve adapted to be pressed into binding engagement with the heads of the wires and those portions of the wires within the sleeve ends for interlockingly connecting the wire ends with the sleeve.

2,253,436
AUTOMOBILE SUSPENSION

John W. Leighton, Port Huron, Mich.

Original application August 3, 1939, Serial No. 288,186. Divided and this application July 12, 1940, Serial No. 345,198
4 Claims. (Cl. 280—96.2)



1. In an individual wheel springing for motor vehicles, a laterally projecting link member adapted to be pivotally connected to the vehicle frame, a wheel mounting member, and an oscillatory joint for connecting the members comprising an inner trunnion non-turnably fixed on one member and extending longitudinally of the vehicle and provided with external threads, a bushing threaded internally and externally and having pivotal, threaded bearing engagement with the trunnion threads, an outer internally threaded part fixed on the other member and threaded on to the outer threads of the bushing, and means for adjustably locking the outer part to the bushing so that normally they turn together relative to the trunnion, the threads at the inner surface of the bushing being directed oppositely and being of a different pitch as compared to the threads at the outer surface of the bushing, so that with the locking means loosened, turning of the bushing relative to the trunnion and outer part causes such trunnion and part to travel rapidly but relatively along the axis of the bushing whereby the caster angle of the wheel mounting member may be varied.

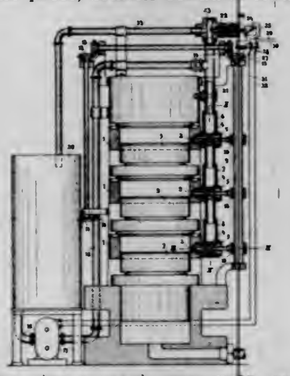
2,253,437
HYDRAULIC POT PRESS, WHICH SERVES FOR PRESSING COCOA BUTTER FROM THE LIQUID COCOA MASS

Karl Leimer, Dresden-Zschieren, Germany

Application August 26, 1939, Serial No. 292,129
In Germany September 2, 1938
1 Claim. (Cl. 100—50)

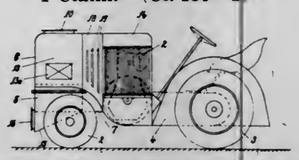
A hydraulic press comprising a series of press

pots, a pump for supplying liquid cocoa mass to said press pots, a filling pipe communicating with said pump, said filling pipe being formed of telescoping parts and being movable in the direction of the central axis of the press, an eccentrically mounted shaft disposed parallel to the central axis of the press, branch conduits leading from



said filling pipe to said press pots, valve rods, located in said conduits, heads on said valve rods slidable on said eccentrically mounted shaft on the upward and downward movement of the press whereby said valve rods are movable in said branch conduits and serve to open or close said branch conduits simultaneously on rotation of said shaft.

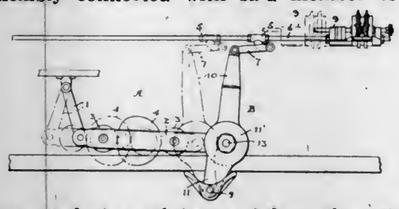
2,253,438
TRACTOR WITH GAS PRODUCER ARRANGED THEREON
Hans Lutz, Berlin-Charlottenburg, Germany
Application May 24, 1938, Serial No. 209,756
In Germany May 27, 1937
1 Claim. (Cl. 180—1)



A motor tractor comprising in combination with the under frame, an engine arranged transversely on the under frame at a short distance behind the gas producer relatively to the longitudinal direction of the under frame, an engine radiator arranged at one end of said engine, a gas producer radiator arranged at the other end of the engine, two fans at the inner side of each of said radiators, and a curved guide plate between the engine and the fan at the inner side of the gas producer radiator, the fan at the inner side of the engine radiator adapted to draw air through said engine radiator and force it over said engine and along the inner side of said guide plate through the gap between the engine and gas producer, and the other fan adapted to draw air from the rear end of the vehicle against the outer side of said guide plate and force it through the gas producer radiator.

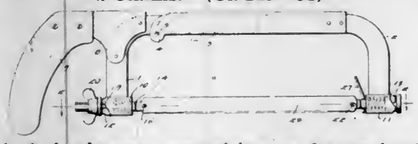
2,253,439
RECIPROCATING DRIVE FOR STRAIGHT KNITTING MACHINES
Francis MacKay, Port Dover, Ontario, Canada
Application July 29, 1939, Serial No. 287,344
7 Claims. (Cl. 66—126)

1. In a straight knitting machine, the combination with a knitting control member to be reciprocated, of means for reciprocating said member within predetermined limits including relatively rotatable drive members one of which is flexibly connected with said member to be



reciprocated at a point spaced from the axis of relative rotation of said respective drive members, and means for controlling the relative rotation of said members in accordance with requirements.

2,253,440
HACKSAW
Paul E. Martin, Newgulf, Tex.
Application November 28, 1938, Serial No. 242,850
2 Claims. (Cl. 145—34)

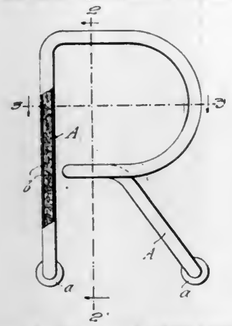


1. A hack saw comprising a frame having sleeve-like barrels forming bearings in alignment and secured to the ends of the frame, inside stops in said bearings, collars fitted into the outer ends of the bearings, said collars and said outer ends of the bearings being formed with clutches whereby they may be interengaged to prevent turning of the collars in the bearings, stems fitted through said collars and extending inwardly beyond the barrels, one of said stems being secured to its collar and the other stem being slidable through its collar and externally threaded, coil springs enclosed within the barrels and interposed between the corresponding stops and collars, said springs normally tending to disengage said clutches to permit simultaneous rotation of the stems, a saw detachably secured at its respective ends to the inner ends of said stems, a nut threaded onto the threaded stem and adjustable thereon into abutting relation with the outer end of the corresponding collar to maintain it clutched with the corresponding barrel and operative through the stems and saw to maintain the other collar clutched with its barrel and to maintain the springs under compression, said nut being adjustable to released position to permit simultaneous expansion of the springs and simultaneous disengagement of the clutches without releasing the tension of the springs on the blade whereby the stems and blade may be turned about the axis of the stems to any selected point of adjustment.

2,253,441
LUMINOUS ELECTRIC DISCHARGE DEVICE
John H. McCauley, Hillside, N. J., assignor to Joseph F. Frese, Baltimore, Md., as trustee
Application September 29, 1933, Serial No. 691,551
Renewed April 16, 1935
12 Claims. (Cl. 176—14)

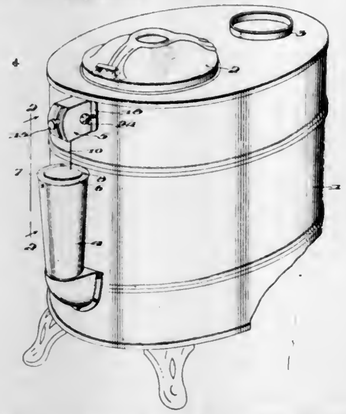
1. A luminous electric discharge device comprising a closed glass tube containing a rare gas and having spaced electrodes of solid material,

and a filler in that part of the tube between said electrodes, the filler being composed of pieces of insulating material providing tortuous discharge



courses through that part of the tube containing said filler and providing spaces around the said pieces for the movement of the gas.

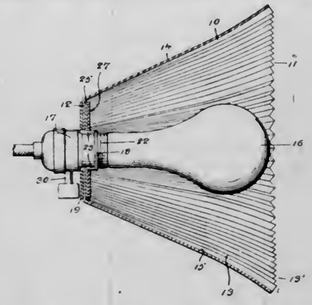
2,253,442
THERMOSTATIC CONTROL
Charles D. Montague, Fredericksburg, Va.
Application August 15, 1938, Serial No. 225,036
4 Claims. (Cl. 236—96)



1. A thermostatic damper control comprising a casing structure, a hollow shaft rotatable therein, a pin frictionally engaged in one end of said shaft and having a projecting portion journaled in the casing, a thermostatic coil having its inner end affixed to the hollow shaft by means of said pin, its outer end being freely suspended in the casing and adapted for connection with the damper, a bolt in the opposite end of said hollow shaft forming a journal in the casing, a washer attached to said bolt and in frictional engagement with the casing to maintain the free end of the thermostatic coil in a selected position, and an operating lever attached to said shaft and projecting through the casing, whereby through manipulation of said lever the positional relationship of the free end of the coil may be varied to accord with said selected position.

2,253,443
PHOTOFLOOD LIGHT REFLECTOR
Edward A. Muller, Long Island City, N. Y.
Application December 27, 1938, Serial No. 247,885
4 Claims. (Cl. 240—108)

1. A reflector and means of attaching the same to a lamp socket comprising, a substantially frustum-shaped body having an apertured top wall, a disc having a central aperture adapted to be slidably disposed over a lamp socket and formed with radial slits communicating with said



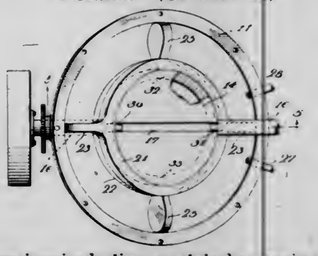
aperture to provide fingers having gripping engagement axially of said socket, the apertured end of said top wall slidably disposed over said fingers and in abutting relation with said disc, and means for holding said top wall in engagement with said disc.

2,253,444
SYRINGE HANGER
Valentine Muller, Brooklyn, N. Y.
Application September 23, 1940, Serial No. 357,994
1 Claim. (Cl. 248—75)



A hanger for a hose and bag type syringe, comprising a frame formed from a single strand of wire bent to provide spaced parallel arcuate portions, lower horizontal portions at the outer ends of the arcuate portions, upper horizontal portions intermediate the ends of the frame and cooperating with the lower horizontal portions and the arcuate portions for receiving and supporting the hose in coiled formation, converging portions formed on the upper horizontal portions and extending downwardly therefrom, a hook including a shank formed on and depending from the lower ends of the converging portions, said hook being adapted for attachment of the bag thereto, a reinforcing plate for the frame and including tongues fixed to the converging portions and certain of the arcuate portions for disposal of the plate vertically of and midway the ends of the frame, said plate having an opening in the upper end thereof, and a hook for suspending the hanger in use from suitable supporting means and including a headed shank mounted in the opening for swivel movement of the frame.

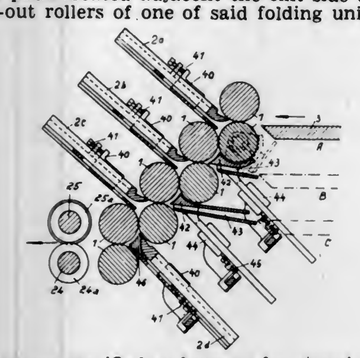
2,253,445
ROTARY INTERNAL COMBUSTION ENGINE
Enrique Shufeldt, La Cueva, N. Mex.
Application July 11, 1940, Serial No. 344,974
1 Claim. (Cl. 123—11)



An engine including a globular casing, an annular housing arranged in surrounding relation on the casing, a pair of alined shaft bearings extending from the casing and the housing, the housing being inclined relatively to the axis of the bearings at an angle, a shaft having cylindrical portions disposed in said bearings and having a globular intermediate portion disposed in said casing and housing, said globular portion being provided with segmental grooves spaced uniformly from each other at the central circumference of the globular portion and converging toward and terminating short of the poles at the junction of the globular portion with the cylindrical portions of the shaft, a pair of axially alined impeller rings superposed upon each other in surrounding relation on said globular portion, impeller blades disposed at diametrically opposite points of each ring fitting in the housing, pins projecting radially inward from each ring at the blades of the ring slidably engaged in respective grooves of the globular portion, exhaust and fuel inlet pipes connected to said housing on opposite sides of one cylindrical portion of the shaft, a spark plug connected to the housing at a point substantially diametrically opposite a point midway between the intake and exhaust pipes, and means for energizing the spark plug, the arrangement being such that each explosion starts one of the blades downward in the annular housing on a planetary course around the globular portion of the shaft, the respective pin of said blade first travelling in its respective groove to force the shaft to rotate axially through an initial angular advance of 180° then reversing its direction in the groove to force the shaft through the second 180° angular advance, the impeller rings oscillating upon each other during each complete cycle of the globular portion at respectively different speeds due to the grooves being close together at the poles of the globular portion and wide apart at the central circumference of the globular portion of the shaft to cause the blades to assume power, exhaust, intake and compression positions during each revolution of the globular portion of the shaft.

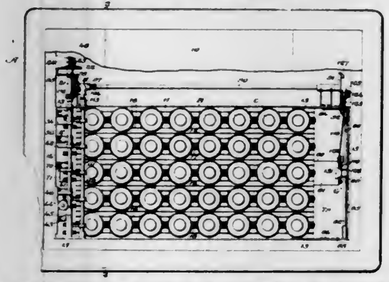
2,253,446
BUCKLING FOLDING MACHINE
Georg Spiess, Leipzig, Germany
Application March 24, 1939, Serial No. 263,921
In Germany March 28, 1938
4 Claims. (Cl. 270—68)

4. A buckling folding machine comprising the subcombination of: a plurality of successively arranged parallel buckling folding units, each comprising draw-in and push-out rollers and a cooperating buckle fold-plate; means for feeding sheets to any one of said folding units; means for rotating said rollers; a bridge-piece forming a guide path located adjacent the exit side of the push-out rollers of one of said folding units for



the purpose specified and means for stopping the rotation of the rollers of the subsequent folding units which are not required for use.

2,253,447
VENDING MACHINE
William T. Stanford, Oklahoma City, Okla., assignor of fifty-seven and one-half per cent to J. I. Gibson and Leonard H. Savage, jointly; and forty-two and one-half per cent to William E. Attaway, all of Oklahoma City, Okla.
Application September 26, 1939, Serial No. 296,698
16 Claims. (Cl. 312—87)

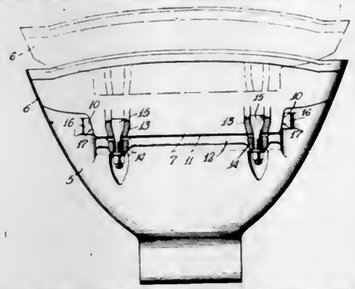


1. A vending machine comprising a plurality of article advancing conveyors, a power means for driving said conveyors individually, means including a manually adjustable element and a coin controlled mechanism for selectively connecting said conveyors with said power means, means operable responsive to an amount of operation of said power means sufficient to operate a conveyor connected therewith an amount to effect delivery of an article therefrom, to disconnect the conveyor therefrom, and means thereafter operable by the power means to move the article delivered by the selected conveyor to a position for removal from the machine.

2,253,448
CHAIN DREDGE BUCKET
William H. Stires, High Bridge, N. J., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J., a corporation of New Jersey
Application September 14, 1940, Serial No. 356,837
2 Claims. (Cl. 37—141)

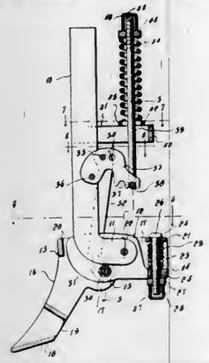
1. In a chain dredge and lip assembly of the rivetless type in which relative movement of the bucket and lip is restrained by engagement of the lip ends with complemental recesses inside the bucket and by vertical holddown bolts externally

of the bucket, the combination with said elements of a transversely ranging rib and spaced apart vertically ranging abutments, said transverse rib and vertical abutments cooperating to form a



confining area for an external apron extension of the lip which is effective to prevent any movement of the lip tending to place shearing strain on the holddown bolts.

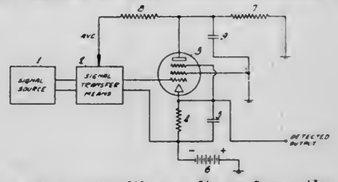
2,253,449
CULTIVATOR STAFF
Walter W. Swearinger, Newport, Ark.
Application August 17, 1939, Serial No. 290,665
3 Claims. (Cl. 97—184)



1. A device of the class described comprising a support, a shank, a saddle, means pivoting said shank and saddle together and to the support, means to adjust the shank and saddle relatively to each other, expansive means to resist swinging of the shank and saddle, said means passing through slots in the shank and saddle, one of the slots being enlarged with respect to said means to permit the relative movement of the shank and saddle.

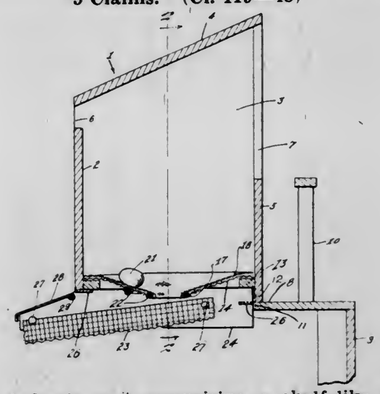
2,253,450
AUTOMATIC VOLUME CONTROL SYSTEM
Charles Travis, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 17, 1939, Serial No. 279,739
11 Claims. (Cl. 250—20)

10. In an electrical signalling system; a source of a modulated carrier wave signal; a space discharge device including triode elements constituting a plate rectification detector; variable gain signal transfer means connecting said source to said detector; means for rendering said detector degenerative; means for rendering the rectified current of said detector substantially independent of variations in the potential of its anode; means for deriving a detected signal from the rectified current of said detector; means for de-



riving a gain controlling voltage from the anode of said detector; and means for applying said voltage to said signal transfer means to control the gain thereof.

2,253,451
HEN'S NEST
Forrest G. Ulerick, Twelve Mile, Ind.
Application August 16, 1940, Serial No. 352,968
5 Claims. (Cl. 119—48)

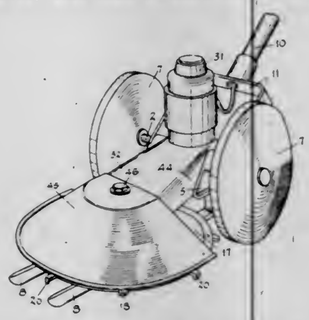


1. A hen's nest comprising a shelf-like support to be attached to a wall in laterally extending position and having an outer edge recess therein, a box-like stall surmounting said support over said recess and opening at its bottom into the latter, a doorway in said stall, a concave laying bottom in the lower part of said stall detachably mounted therein and having a central aperture forming a drop for eggs laid on said bottom, and an egg receiving tray slidably mounted on said support below said bottom.

2,253,452
MOWER
Bertis H. Urschel, Bowling Green, Ohio, assignor to The Urschel Engineering Company, Bowling Green, Ohio, a corporation of Ohio
Original application July 21, 1938, Serial No. 220,521, now Patent No. 2,225,139, dated December 17, 1940. Divided and this application November 9, 1940, Serial No. 365,068
3 Claims. (Cl. 56—25.4)

1. In a mower, a frame; the frame having upwardly protruding head parts on one end of the frame and forwardly extending skids at the other end of the frame; a bearing shaft secured to the frame; a cutter disc rotatably supported on the bearing shaft and having projecting cutting blades; a motor supported on the head parts; means for connecting the cutter disc with the motor shaft for rotating the disc; supporting wheels rotatably connected to the head parts and coacting with the skids for supporting the mow-

er; a handle member pivotally connected to the head parts; and lugs located on the head parts



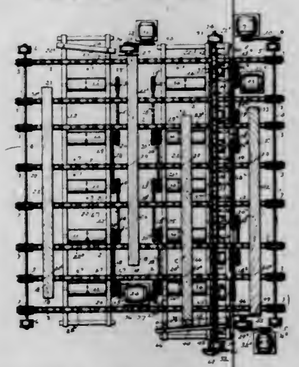
for limiting the movement of the handle relative to the frame.

2,253,453

MACHINE FOR REDUCING LUMBER TO DESIRED LENGTHS

Rufus F. van Deinse, Oswego, Oreg.

Application December 21, 1938, Serial No. 246,990
2 Claims. (Cl. 143—48)



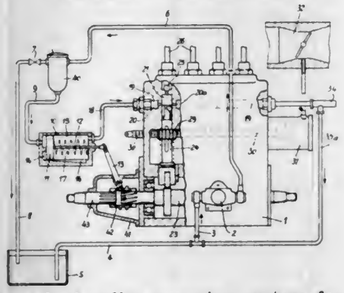
1. A machine of the class described for severing the opposite end portions of lumber and the like therefrom and for reducing the lumber to desired length comprising, in combination: means for moving the lumber longitudinally toward the rear end of the machine; means at said rear end for severing the lumber's end portion adjacent thereto; means at said rear end for stopping the movement of the lumber toward said rear end and for moving the lumber reversely to a position wherein its end portion adjacent said rear end registers with the severing means for severing the same; means for moving the lumber longitudinally toward the front end of the machine; severing means at said front end; means at said front end for stopping the movement of the lumber toward said front end; means for again moving the lumber longitudinally toward said rear end; a stop for stopping the second movement of the lumber toward said rear end, spaced from the second mentioned severing means a distance equal to the lumber's desired length; means for moving the lumber laterally from the first to the second and from the second to the third mentioned lumber moving means and through the field of operation of the first and second mentioned severing means, for severing the opposite end portions respectively of the lumber thereby and reducing the lumber to the desired length.

2,253,454

FUEL INJECTION APPARATUS FOR DIESEL AND OTHER INTERNAL COMBUSTION ENGINES

Willi Voit, Stuttgart-Bad Cannstatt, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

Application March 21, 1939, Serial No. 263,230
In Germany March 29, 1938
6 Claims. (Cl. 123—139)



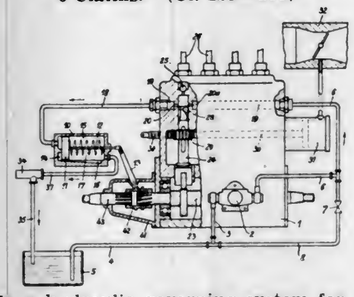
1. In a hydraulic governing system for an internal combustion engine having an injection pump, said pump having an inlet chamber, driving means for driving said pump from said engine, and a fuel supply pump, driven by said engine, for supplying fuel to said inlet chamber and whose delivery increases with increase of engine speed, the combination of an hydraulic adjuster to which fuel is fed by said supply pump and which in response to variations in the feed of fuel from said supply pump varies the timed relationship between said injection pump and its driving means, said adjuster comprising a cylinder, a piston disposed in said cylinder and a restricted by-pass in said cylinder whereby a quantity of fuel passes said piston and said quantity varies with variation of the piston's position, an overflow valve, a conduit connecting said valve to the injection pump inlet chamber whereby the fluid pressure obtaining within said conduit and inlet chamber remains substantially constant and independent of the amount of fuel injected, and a second conduit connecting the inlet chamber of the injection pump with the hydraulic adjuster, for leading fuel to the inlet chamber.

2,253,455

FUEL INJECTION APPARATUS FOR INTERNAL COMBUSTION ENGINES

Fritz Eideneier, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

Application March 21, 1939, Serial No. 263,249
In Germany March 30, 1938
6 Claims. (Cl. 123—139)



1. In a hydraulic governing system for an in-

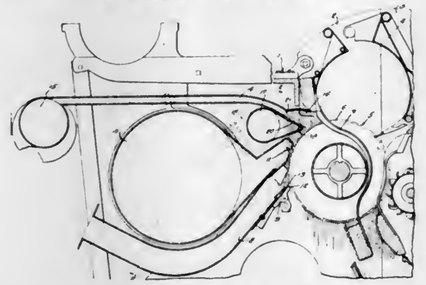
ternal combustion engine having a fuel injection pump provided with a cam-shaft, means for driving said cam-shaft from said engine, a fuel feed pump, driven by said engine, for supplying fuel to said injection pump in excess of its requirements, means for controlling overflow of fuel from said injection pump in response to variations of engine load and a coupling for varying the timed relationship between said camshaft and its driving means; the combination of means for causing said coupling to vary said timed relationship in response to changes in the amount of overflow from the injection pump, said means comprising a cylinder into one end of which said overflow is discharged and through which said overflow passes, a double-acting piston disposed in said cylinder and responsive to flow of fuel through said cylinder, a restricted by-pass permitting flow of fuel past said piston from end to end of said cylinder, an outlet for said cylinder arranged to keep said cylinder substantially filled with fuel.

2,253,456

AIR BLAST GIN WITH PNEUMATIC MOTE DISCHARGE

Jeffrey J. Wallace, Amite, La., assignor to Gullett Gin Company, Amite, Parish of Tangipahoa, La., a corporation of Louisiana

Application December 6, 1940, Serial No. 368,939
3 Claims. (Cl. 19—58)



1. An air blast gin of the type having a saw cylinder operating in conjunction with a roll box and ginning ribs, having a lint discharge flue with its mouth in proximity to the periphery of the saw cylinder at a point sufficiently distant from said ribs to provide an intervening space for the centrifugal discharge of the motes and trash carried on the lint mass adherent to the saw cylinder, and having a lint removing blast nozzle adjacent the mouth of the lint flue in combination with a pneumatic moting system including a mote discharge duct having a relatively narrow portion debouching into a flared mouth defined between divergent upper and lower walls, confronting said saw cylinder in the region of centrifugal mote discharge, a nozzle having a linear orifice along the lower edge of said lower wall directed away from said saw cylinder for blowing a sheet-like blast along said lower wall and into said mote duct, said orifice lying approximately in a horizontal plane embracing the line of intersection of said saw cylinder with said ribs, said lower wall and said sheet-like blast being in the path of direct impingement of the centrifugally discharged particles, said blast by Venturi action creating suction in said flared mouth for evacuating the lighter suspended trash by way of said mote duct, and countering the down draft produced by rotation of the lint-laden saw cylinder, which would otherwise draw said lighter trash into said lint flue.

2,253,457

IMPROVING THE DYEING OF TEXTILES

Croyden Meredith Whittaker, Cheadle Hulme, Clifford Collier Wilcock, Salford, and Charles Percival Tattersfield, Audenshaw, near Manchester, England, assignors to Courtaulds Limited, London, England, a British company

No Drawing. Application June 6, 1939, Serial No. 277,732. In Great Britain June 13, 1938
6 Claims. (Cl. 8—17)

1. A process for improving the dyeing properties of textile materials which comprises treating the material with a solution obtained by dissolving in acid the condensation product which is produced by the interaction of an alkaline solution of cyanamide and formaldehyde at a temperature within the range of 70° C. to 100° C.

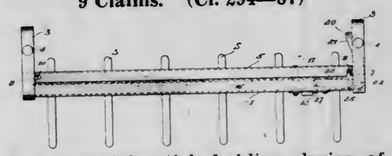
6. Process for improving the dyeing properties of textile materials which comprises treating the material after dyeing with a solution obtained by dissolving in acid the condensation product which is produced by the interaction of an alkaline solution of cyanamide and formaldehyde at a temperature between 70° C. and 100° C. and adding a small proportion of copper acetate to the treating solution.

2,253,458

MULTIPLE STICK HOLDING DEVICE

Clark T. Cutting, Canandaigua, N. Y.

Application July 22, 1940, Serial No. 346,733
9 Claims. (Cl. 294—87)



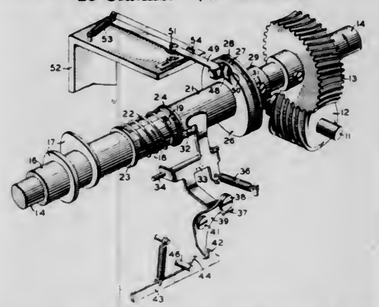
1. In a multiple stick holding device of the character described, the combination with upper and lower relatively displaceable supports having alined stick sockets therein, of an intermediate relatively longitudinally movable stick clamping element guided therebetween, and actuating means for the clamping element entirely housed between the supports when assembled together.

2,253,459

FRICTION CLUTCH

Max U. Davis, Lakewood, Ohio, assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

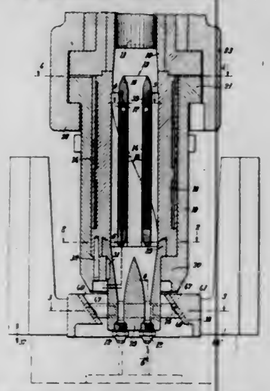
Application March 15, 1939, Serial No. 261,908
15 Claims. (Cl. 192—24)



1. In a device of the type described, a normally rotating driving member, a normally at rest driven member, a friction element disposed between said driven and driving members, means normally holding said driven and driving mem-

bers and said friction element together with a pressure of a first predetermined amount, a stop for said driven member, means for operating said stop member to release said driven member for rotation with said driving member, means for increasing the pressure between said driven and driving members and means invariably and automatically operative during the rotation of said driven member for operating said last mentioned means to increase the pressure of said driven and driving members on said friction element to a second predetermined amount.

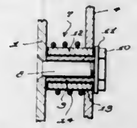
2,253,460
INJECTION MOLDING MACHINE
Emil Hempel, Zerbst, Germany, assignor to Franz Braun A.-G., Zerbst, Germany
Application April 11, 1939, Serial No. 267,259
In Germany April 11, 1938
9 Claims. (Cl. 18—30)



4. In an injection molding machine the combination comprising a pressing cylinder, a cylindrical conduit communicating therewith, a mouth piece attached to said conduit and forming a plurality of tapering mixing chambers distributed about and parallel to the axis of said conduit and communicating therewith, partitions separating said mixing chambers and having acute edges extending towards and up to said axis, a plurality of nozzles carried by said mouth piece each communicating with one of said mixing chambers, a hollow heating cylinder coaxially arranged within said conduit and provided with exterior helical ribs, said heating cylinder subdividing the material flowing through said conduit into an inner central stream and into a plurality of outer helical streams, each mixing chamber receiving and mixing one of said helical streams and part of said central stream.

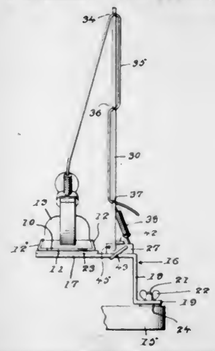
6. In an injection molding machine the combination comprising a mouth piece provided with at least one ejection conduit, a press adapted to feed a thermoplastic material to said mouth piece and to eject it through said conduit, a mold adapted to receive the material ejected therefrom, and capable of movement towards and away from said mouth piece, a slidable valve mounted in said mouth piece and adapted to close said conduit, means responsive to said movement and operative to close said valve, when said mold moves away from said mouth piece, electrical heating means mounted to heat the seating surfaces of said valve, and contacts operable by movement of said valve to supply current to said heating means, when said valve is in opened condition.

2,253,461
MAILBOX SIGNAL
Charles T. Hoppe, Platte, S. Dak.
Application March 21, 1940, Serial No. 325,256
1 Claim. (Cl. 116—134)



A mail box signal including a plate, a bolt having its headed end anchored in the plate, said bolt projecting from said plate, a sleeve mounted on the bolt, a nut threaded on the outer end portion of the bolt for clamping the sleeve against the plate, a tubular bearing, of less length than the sleeve, journaled on said sleeve, a signal arm fixed on one end portion of said bearing, and a coil spring mounted on the bearing and connected to the arm for actuating said arm in one direction.

2,253,462
FLATIRON CORD SUPPORT
Clarence L. Mulder, Grand Rapids, Mich.
Application September 16, 1940, Serial No. 357,053
3 Claims. (Cl. 248—51)

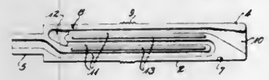


1. A flatiron cord support comprising, a bracket adapted to be secured to an ironing board and having a horizontal arm spaced upwardly from the ironing board, upwardly directed flanges on a portion of the horizontal arm, a cord guiding arm provided at its lower end with a horizontal shaft mounted in bearing openings formed in said flanges to permit the arm to be swung to the vertical and to the horizontal, a cord engaging element at the free end of the arm, a spring loop intermediate the ends of the arms, a helical spring terminally connected to one of said flanges and to said loop, a stop on the last-named flange, said spring normally holding the arm against said stop, means detachably connecting the spring with said loop to permit the spring to be slipped out of the loop when it is desired to move the arm from upright operative position to horizontal released position, and a latch on the last-named flange adapted to engage over the arm and hold it in released position.

2,253,463
SMOKING APPLIANCE
Donald A. Robbins, Tannersville, Pa.
Application August 25, 1939, Serial No. 291,954
4 Claims. (Cl. 131—199)

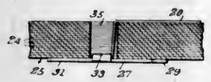
4. A stem for a smoking article consisting of intake and outlet ends and a tortuous passage

in communication with both ends, said passage having a cross-sectional area of one size throughout portions of its length and one or more areas of a larger size to constitute reservoirs, said reservoirs including smoke exposed portions which are lower than any other portions of the smoke passage, said stem being divided substan-



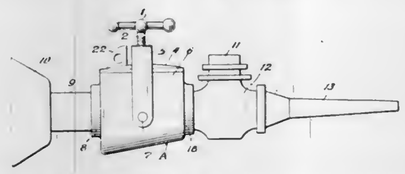
tially longitudinally to form two cooperating sections, the portions of the sections which are in abutting relation being channeled to form said passage, and one or more enlarged recesses in a channel of one section constituting said reservoirs when the smoking article is maintained with the plane of intersection of the sections substantially horizontal.

2,253,464
BINDER FOR SHEAVES AND THE LIKE
Robert Spector, New York, N. Y.
Application October 7, 1940, Serial No. 360,015
6 Claims. (Cl. 24—153)



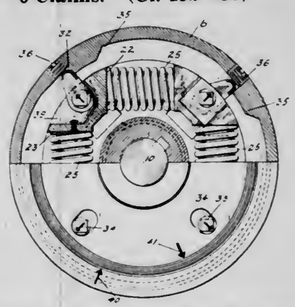
1. A binder of the character described comprising an elongated elastic member, a flat terminal, and means securing said elastic member to said terminal, said means comprising a part overlying substantially the mid portion of one side of said terminal, an end portion of said elastic member being clamped by and between said overlying part and said one side of said terminal, the distance between the extremities of said overlying part being less than the distance between respective of said extremities and the corresponding ends of said terminal.

2,253,465
SAUSAGE STUFFING APPARATUS
William Kent Tomlinson, Chicago, Ill., assignor to The Globe Company, Chicago, Ill., a corporation of Illinois
Application December 3, 1938, Serial No. 243,702
4 Claims. (Cl. 17—35)



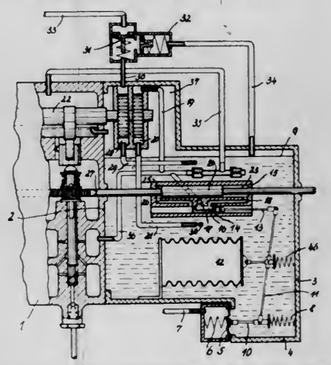
2. In a sausage casing stuffer, the combination of a casing having inlet and outlet openings in opposite walls thereof, a screening member therein comprising a hollow frusto-conical screen element, the smaller end of which is closed by a conical, perforated, hollow screen element which extends into the hollow of the frusto-conical screen element, a removable closure fitted to an opening in said casing whereby said screening member may be removed from within the casing, and means for positioning said screening member in the casing between the inlet and outlet openings.

2,253,466
OVERLOAD RELEASING CLUTCH
Fred W. Grohn, Chicago, Ill., assignor of thirty per cent to John J. Lavin, twenty per cent to John J. Pubins, seventeen and one-half per cent to Frank Kunza, twenty per cent to Henry P. Grohn, and five per cent to Gus Skly, Chicago, Ill.
Application February 23, 1940, Serial No. 320,253
6 Claims. (Cl. 192—56)



1. An overload releasing clutch comprising in combination interfitting, shaft-connecting members including an inner member and an outer member mounted upon a pair of abutting shafts, a plurality of radially movable abutment members carried by said inner member, resilient elements urging said abutment members radially outwardly with respect to the axes of said shafts, a lug pivotally mounted upon each abutment member, a plurality of engaging members carried by said outer member, said pivotally mounted lugs being urged in driving contact with said engaging members by said resilient elements, said pivoted lugs being swingable away from said engaging members against the urging force of said resilient elements when the load upon the system exceeds the urging force of the resilient members.

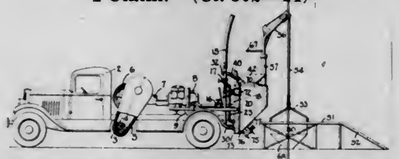
2,253,467
LIQUID SUPPLY CONTAINER
Max Hurst, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application July 9, 1938, Serial No. 218,430
In Germany July 22, 1937
17 Claims. (Cl. 123—140)



2. A container for oil for use with internal combustion engines for vehicles, including a pump, a suction pipe connected to said pump and opening into said container, means connected to said container to automatically supply oil thereto when

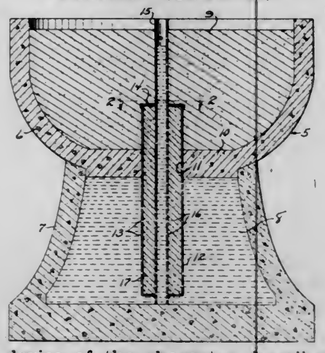
the inlet end of said suction pipe is uncovered by oil irrespective of the position of the container, an oil operated governing servomotor, a fuel injection pump receiving oil from said container and governed by said servomotor, a third pump adapted to supply oil for lubrication of said injection pump and to deliver oil under pressure for operating said servomotor, and a suction pipe, connected to said third pump, the inlet end of which pipe is located in the approximate centre of the container and at a substantially lower level than the inlet end of said first-mentioned suction pipe in the normal position of said container.

2,253,468
PORTABLE GRAVELING EQUIPMENT
Leslie A. Layne, Houston, Tex., assignor to The Texas Company, a corporation of Delaware
Application May 31, 1938, Serial No. 210,967
1 Claim. (Cl. 302—14)



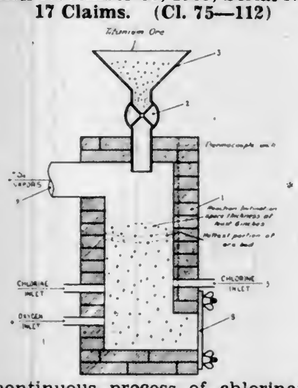
In a surface equipment for well graveling including a pair of spaced drums, a pump to circulate liquid, a pipe to receive such liquid, a valve in said pipe, a branch pipe from a point in said first pipe at the upstream side of said valve and leading to each of said drums, a valve in each branch pipe to control the flow therethrough, a discharge pipe from each drum to said first pipe beyond said first valve, and valve means in each discharge pipe, said pipe, piping and valves being so constructed and arranged that liquid may be circulated past said drums, into and out of either or both drums, and directed partly through either drum and partly through the pipe in order to control the rate of discharge of gravel from said drums.

2,253,469
RECEPTACLE
Charles W. Markley, Brush, Colo.
Application October 19, 1939, Serial No. 300,271
2 Claims. (Cl. 47—38)



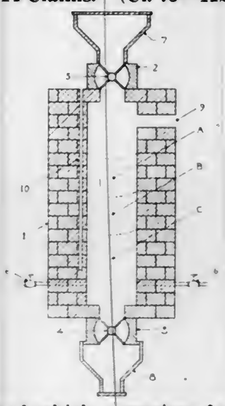
1. A device of the character described, comprising, a plant container having upper and lower sections and adapted to contain soil and liquid respectively, a tube extending through said sections for supplying liquid to said lower section, a member arranged about and supported by said tube and extending into both of said sections and containing soil for feeding liquid from said lower section to the soil in said upper section independently of said tube.

2,253,470
CHLORINATION OF TITANIUM BEARING MATERIALS
Irving E. Muskat and Robert H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 30, 1939, Serial No. 306,877
17 Claims. (Cl. 75—112)



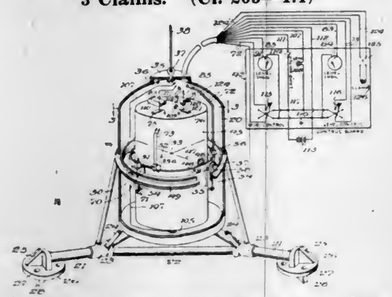
1. A continuous process of chlorinating iron titanium ore containing at least about 20 percent of titanium which comprises forming a pervious bed containing ore and carbon, passing chlorine through said bed, maintaining the temperature above about 600° C., withdrawing vaporized chlorides from the surface of said bed, introducing a further quantity of fresh ore and carbon and regulating the rate of introduction of ore to insure a bed of ore at least about 6 inches deep measured from the hottest portion of the ore bed to the top of said bed.

2,253,471
CHLORINATION OF TITANIUM BEARING MATERIALS
Irving E. Muskat and Robert H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application February 8, 1940, Serial No. 317,874
14 Claims. (Cl. 75—112)



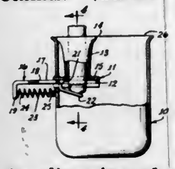
1. A method which comprises forming a pervious bed within a reactor comprising a titanium bearing material which contains at least 10 percent titanium and at least 10 percent iron and sufficient reducing agent to cause formation of iron chloride and a major quantity of titanium tetrachloride, introducing a chlorination agent into a lower portion of the bed and further portions of said material and reducing agent into an upper portion of the bed at a rate such that the heat evolved is sufficient to maintain the temperature within at least a portion of the bed above 700° C. without externally heating the reactor, withdrawing vaporized chlorides from said upper portion and regulating the rate of introduction of the material to insure a bed having a depth of at least 18 inches measured from the point at which the chlorine is introduced into the bed to the top of the bed.

2,253,472
APPARATUS FOR SUBMARINE GEOPHYSICAL PROSPECTING
Theodore B. Pepper, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application July 17, 1939, Serial No. 284,980
3 Claims. (Cl. 265—1.4)



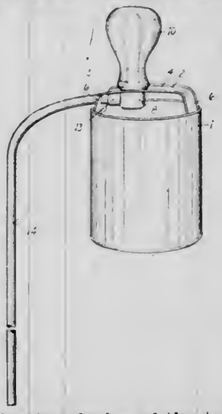
1. A remote controlled apparatus for submarine geophysical prospecting comprising in combination a submersible supporting container adapted to rest stationary on the floor of bodies of water, a geophysical instrument within the container, adjustable means for supporting the instrument at various inclinations in the container, driving means adapted on operation to move the instrument-supporting means with respect to the container, to level the instrument, electrical level-respective means located in fixed relation to the instrument, electrical level-exhibiting means in electrical connection with the level-responsive means, electrical power means connected to the driving means for operation thereof, and control means for said power means.

2,253,473
SMOKER'S DEVICE
Epiphany O. Statelles, Beverly Hills, Calif.
Application June 24, 1940, Serial No. 342,092
5 Claims. (Cl. 131—237)



1. A device for disposing of smoked cigarettes comprising a cigarette guide, a support, a member mounted on the support, the said member comprising a cigarette sustaining element normally disposed below the guide, a cutter joined to the sustaining element, an opening rearward of the cutter for passage by gravity of cigarette stubs when the opening is aligned with the guide, means manually actuated to simultaneously move the cutter across the lower end of the guide and the sustaining element in advance of the cutter and to align the opening with the guide, and means to return the said member to normal position.

2,253,474
SIPHONING DEVICE
Joseph T. Webber, Kalamazoo, Mich., assignor to Roscoe B. Lacey, Kalamazoo, Mich.
Application October 17, 1940, Serial No. 361,576
5 Claims. (Cl. 137—20)

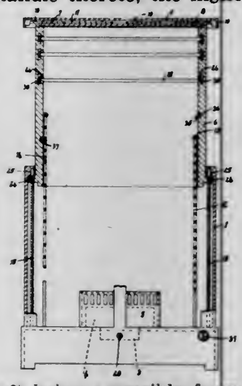


5. In a siphoning device of the type described, a receptacle adapted to be supported by the user's hand, a hollow fitting mounted on said receptacle having three orifices communicating with the interior of the fitting, a suction tube in air-tight communication with one of said orifices, and a collapsible bulb in air-tight communication with the second orifice, the third orifice being disposed to open to the interior of the receptacle, and being closed or opened by a finger of the user's hand employed in supporting the receptacle, said bulb being arranged relative to the receptacle whereby the same hand may be employed in collapsing the bulb to exhaust air from the interior of the bulb and fitting.

2,253,475
CLOTHES DRYING AND AIRING CABINET
Charles Willber, Pendleton, Salford, Manchester, England
Application June 19, 1939, Serial No. 279,867
In Great Britain July 6, 1938
4 Claims. (Cl. 312—151)

4. A clothes drying and airing cabinet, comprising in combination a box-like upper portion having an open bottom and a front aperture, a table top mounted on the said upper portion, a box-like lower portion having an open top and front apertures and telescopically engaged by the upper portion, two vertical screw-threaded spindles rotatably secured to the said lower portion, internally screw-threaded members non-rotatably provided on the said upper portion and engaged by the said spindles, a floor provided in the lower portion, horizontal aligned shafts mounted rotatably beneath the said floor, bevel wheels on the said shafts, bevel wheels on the said spindles meshing with the said bevel wheels, further bevel wheels on the said shafts, an oblique shaft mounted beneath the said floor and projecting between opposed ends of the horizontal shafts, a bevel wheel on the oblique shaft meshing with the said further bevel wheels on the

horizontal shafts, and means on the higher end of the oblique shaft for connection of a manually rotatable handle thereto, the higher end of the



oblique shaft being accessible from the front of the said lower portion for rotation thereof and therefore of the said vertical spindles by manual rotation of a handle.

2,253,476

METAL ALLOYS AND METHOD OF MAKING COMPOSITE ALLOYS OF DEFINITE COMPOSITIONS THEREFROM

Roy T. Wirth, East Cleveland, Ohio

No Drawing. Original application July 20, 1936, Serial No. 91,621. Divided and this application July 18, 1938, Serial No. 219,881

22 Claims. (Cl. 75—136)

1. The process of making a non-ferrous cobalt composition comprising mixing particles of a preformed hard metal carbide with a non-ferrous molten bath containing cobalt and containing the metal of the carbide, retaining particles of the preformed carbide in a sintered condition in association with such molten bath and casting such mixture to obtain sintered particles of preformed carbide carried in a matrix material.

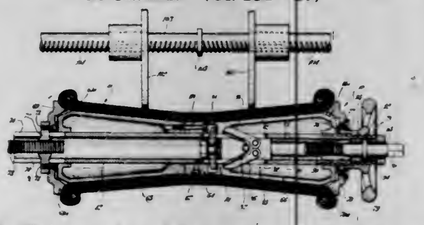
2,253,477

APPARATUS FOR FABRICATING TUBULAR STRUCTURES

Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 31, 1938, Serial No. 199,321

11 Claims. (Cl. 154—10)



3. In apparatus of the character described, the combination of a rotatable, hollow spindle, a transversely divided sectional building form thereon, said form comprising a section having an inwardly extending flange, said section being slidable axially of the spindle to enable it to be removed therefrom, and means carried interiorly of the spindle and operating through slots therein to engage said flange of said movable section and retain it on the spindle.

9. Apparatus for fabricating tubular structures comprising a rotatable building form, said form comprising two frusto-conical sections, the small ends being in confronting relation whereby said form has a smaller diameter in its medial region than at the respective ends thereof.

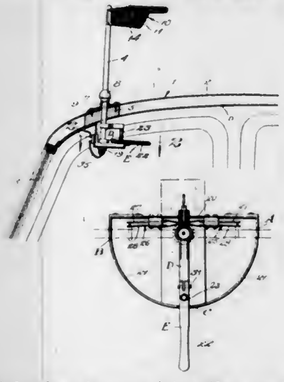
2,253,478

DIRECTION SIGNAL FOR MOTOR VEHICLES

John J. Crawford, Astoria, Oreg.

Application April 4, 1938, Serial No. 200,023

1 Claim. (Cl. 116—48)



A vehicle signal comprising the combination of, a vertical shaft rotatably mounted in the roof of the vehicle; signal means carried by and rotatable with the shaft exteriorly of the said vehicle; a supporting bracket mounted on the vehicle roof laterally of the shaft, said bracket including a vertical part extending in spaced parallel relation with the shaft and a horizontal part in the form of a segment having an upstanding peripheral flange, the said segment being located substantially above the operator's head and in a position to receive and support the lower end of the shaft; a handle member comprising cooperative sections; a horizontal insulated pivot pin connecting the sections of the handle and having the opposite ends thereof extending beyond the sides of the handle; one of the handle sections being fixedly attached to the shaft and extending laterally therefrom above the segment and the other of the said sections being adapted to swing in a vertical plane about the pivot pin and to overlie the peripheral flange of the segment in a manner to be removably received within spaced peripheral notches in the upper edge of the flange; a supporting arm fixedly secured to the shaft and rotatable therewith extending in spaced parallelism above the said handle member; spring means interposed between the said supporting arm and the movable section of the handle member to yieldably hold the said section seated in any one of the said notches; and a normally open switch mounted on the vertical part of the supporting bracket at each side of the segment and in the path traversed by the projecting ends of the said pivot pin, whereby the movable section of the handle may be moved upwardly aganst the resilient action of the said spring means to effect release of the same from the notch in which it is engaged and whereby swinging of the handle will effect rotation of the shaft and supporting arm to position the outer segment of the handle above a notch located adjacent one of the switches, the projecting end of the pivot pin contacting the switch to close the same and release of the handle permitting the said spring means to seat the outer section thereof within the mentioned notch and to securely hold the same therein.

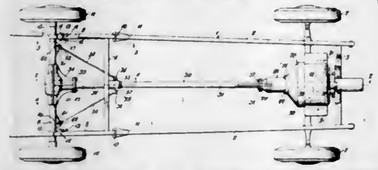
2,253,479

MOTOR VEHICLE

Powel Crosley, Jr., and Louis C. Oswald, Cincinnati, Ohio, assignors to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio

Application February 29, 1940, Serial No. 321,588

4 Claims. (Cl. 180—57)



1. A motor vehicle construction comprising an engine; a frame having a front transverse member; resilient means supporting one end of said engine upon the medial portion of said front transverse member; a transmission, a propeller shaft housing, and a rear axle housing securely interconnected with each other and to said engine, said propeller shaft housing including a plurality of sections arranged to turn with respect to each other; springs secured to said frame near the rear end thereof; and means pivotally connecting each of said springs with the rear axle housing.

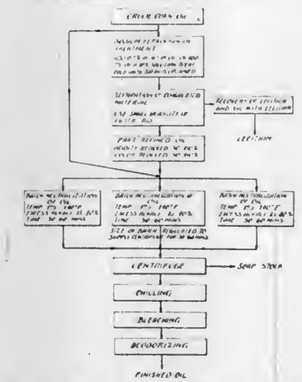
2,253,480

OIL REFINING PROCESS

Raymond E. Daly and James F. Walsh, Chicago, Ill., assignors to American Maize-Products Company, a corporation of Maine

Application April 16, 1938, Serial No. 202,462

5 Claims. (Cl. 260—425)



4. In the refining of vegetable oil containing free fatty acids, the method which comprises treating the oil with sodium ferrocyanide, to decrease the acidity, then treating the oil with an alkali to neutralize additional acid and form soap, and separating the soap from the remaining oil.

2,253,481

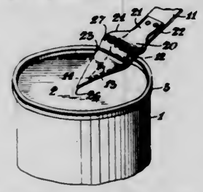
CAN OPENER

Edward C. Eberts, Indianapolis, Ind., assignor to Stokely Brothers & Company, Inc., Indianapolis, Ind., a corporation of Indiana

Application June 21, 1939, Serial No. 280,241

1 Claim. (Cl. 30—16)

In combination with a can opener having a can-puncturing portion, a portion adapted to grip the can edge, and a handle portion, of a metal shield element flexible substantially throughout its length including, a stem portion fixedly secured to said handle portion adjacent the can-puncturing portion and a spearhead shaped shield portion extending from said handle portion overlying said can-puncturing portion and having an area greater than said can-puncturing portion so as to overlie and overlap the opening in the can formed by said can-puncturing portion, said spearhead shaped shield portion,



when not flexed, having its longitudinal cross-section shaped to generally conform to the adjacent longitudinal cross-section of said can puncturing portion and tapering to a blunt point extending beyond the puncturing point of said can-puncturing portion whereby said blunt point is adapted to rest against the wall of the container to be punctured beyond the puncturing area thereof.

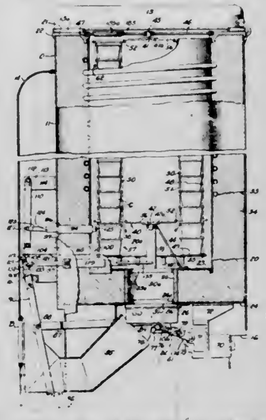
2,253,482

ICE CREAM VENDING MACHINE

Gregg F. Forsthoefel and Howard D. White, Adrian, Mich., assignors to Revco, Inc., Adrian, Mich.

Application April 25, 1940, Serial No. 331,626

13 Claims. (Cl. 312—36)



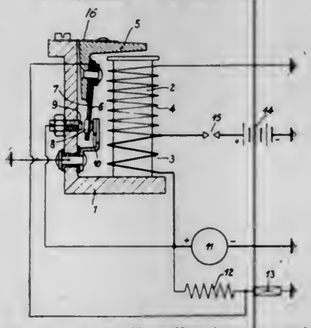
1. In a vending machine for packaged comestibles, a cabinet having a vertically disposed cold storage chamber therein, said chamber having a central opening in the bottom thereof, an outwardly opening door sealing the opening in the chamber, a receptacle in the chamber having a plurality of circularly spaced magazines disposed on its periphery, each magazine adapted to receive a stack of superimposed packages, each magazine being formed at its bottom with an aperture which faces inwardly relative to the axis of the receptacle, means supporting said receptacle for rotary movement in the chamber, motor operated reciprocatory means for opening and closing said door, plunger means extending through said cabinet and adapted to engage the lowermost of the packages in one of the magazines, means connecting the plunger for operation by and during operation of said reciprocatory means to cause the ejection of the lowermost

package through the magazine aperture and gravity discharge thereof through said central opening, means operating in timed relation to said last named means for subsequently rotating said receptacle to present a new magazine to the plunger, and control means for enforcing the stoppage of said reciprocatory means at the end of each cycle of operation thereof.

2,253,483
ELECTROMAGNETIC VIBRATORY GOVERNOR FOR DYNAMOS

Friedrich Menzel, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

Application July 20, 1938, Serial No. 220,349
In Germany July 29, 1937
2 Claims. (Cl. 200—87)

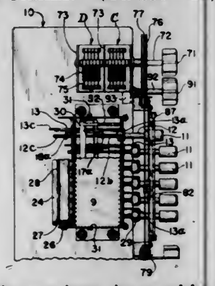


1. An electromagnetic vibratory regulator for dynamos driven at variable speed comprising an armature, a contact spring actuated by said armature, two fixed contacts between which said contact spring is adapted to swing, one of said contacts being for the lower range of speed of the dynamo and the other of said contacts being for the higher range of the speed of said dynamo, and a substantially rigid stop finger rigidly mounted upon and actuated by said armature together with said contact spring, said contact spring being substantially coextensive with and bearing against said stop finger with preliminary tension whereby, on swinging, the said contact spring impinges rigidly on the contact for the lower range of speed and resiliently on the contact for the higher range of speed.

2,253,484
TUNING MECHANISM

Howard J. Tyzzer, Cincinnati, Ohio, assignor to The Crosley Corporation, Cincinnati, Ohio, a corporation of Ohio

Application April 19, 1940, Serial No. 330,588
2 Claims. (Cl. 250—40)

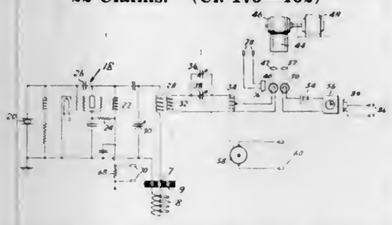


1. In a radio receiver, in combination, an automatic tuner of the type wherein selected manually actuable members mechanically rotate a tuning condenser, said tuner comprising a condenser shaft and a series of actuable members each adapted and arranged to be actuated to rotate said shaft automatically to preselected positions upon actuation of one of said members, a condenser gang on said shaft comprising at least two variable condensers connected in the tunable circuits of said receiver; a manual tuning mechanism comprising a second condenser shaft, a member which may be actuated to rotate said second shaft manually to a desired position, a second condenser gang operatively connected to said second shaft comprising variable condensers in number and range identical with the first condensers, a switch for optionally including said second condenser gang in said circuits in place of said first condensers and a tuning indicator operatively connected with said manual tuning mechanism only.

2,253,485
ELECTRICAL PROSPECTING METHOD AND APPARATUS

Charles B. Bazzoni, Wallingford, and Joseph Razek, Llanerch, Pa., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware

Application August 2, 1938, Serial No. 222,609
22 Claims. (Cl. 175—182)



1. Means for determining the location and character of formations penetrated by a bore hole comprising an exploring unit, said exploring unit including a generator of high frequency oscillations, means for establishing thereby an electromagnetic field penetrating formations in the vicinity of the bore hole, said last named means forming a part of a tuned portion of the generator circuit, and means responsive to variations in operation of the generator circuit due to change of impedance of the field establishing means resulting from different materials in the vicinity thereof, said responsive means including a tuned wavemeter circuit containing an indicating device and coupled to the generator circuit; and means for supporting said unit for movement within and lengthwise of the bore hole.

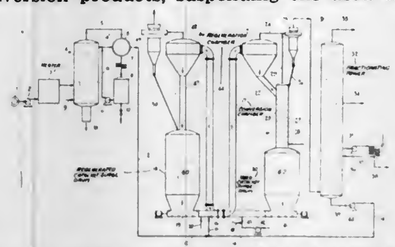
21. Means for determining the location and character of strata penetrated by a bore hole comprising an exploring unit, and means for supporting said unit for movement within and lengthwise of the bore hole; said exploring unit including means responsive to the characteristics of strata in the vicinity of the bore hole, means responsive to acoustic waves transmitted from the surface to said exploring unit, and means for simultaneously recording the responses of both of the last mentioned means.

2,253,486
CATALYTIC CONVERSION OF HYDROCARBONS

Arnold Belchetz, Kew Gardens, N. Y.

Application May 20, 1939, Serial No. 274,670
8 Claims. (Cl. 196—52)

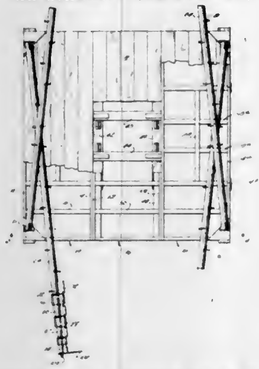
4. In a process for the catalytic conversion of high-boiling hydrocarbons into low-boiling hydrocarbons within the gasoline boiling range involving passing a stream of the high-boiling hydrocarbons having a solid incombustible cracking catalyst suspended therein through a conversion zone for a time and at a temperature adapted to effect the required degree of conversion to low-boiling hydrocarbons and also resulting in a carbonaceous deposit on the catalyst, separating the used catalyst from the vaporous conversion products, suspending the used catalyst in an oxygen-containing gas and passing the suspension through a regeneration zone to burn off carbonaceous material deposited on the catalyst, and returning the catalyst for reuse in the conversion reaction, the improvement which consists in introducing the used catalyst into the regeneration zone with a quantity of oxygen-containing gas insufficient to burn off all the carbonaceous material thereby leaving a predetermined small residual quantity of carbonaceous material on the catalyst as discharged from said zone and reused in the conversion zone.



2,253,487
PORTABLE WELL DERRICK

Guy K. Claire, Los Angeles, Calif., assignor of one-third to Arthur L. Armentrout, one-third to Elwin B. Hall, and one-third to Virgil P. Baker, Los Angeles, Calif.

Application February 27, 1940, Serial No. 321,058
21 Claims. (Cl. 189—11)

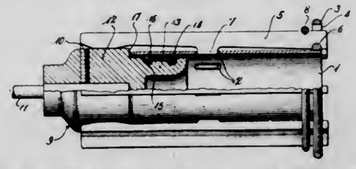


19. A portable well derrick base, comprising a base structure for supporting the derrick legs at the corners of the base, said base being composed of two or more individually portable sections, each section consisting of longitudinal upper members and lower members connected by cross members so that each section is an independently rigid frame, said sections when assembled with upper and lower members in side by side adjacent relation forming the complete derrick base.

2,253,488
BOBBIN

Arthur L. Jackson, West Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application August 12, 1940, Serial No. 352,333
4 Claims. (Cl. 242—111)

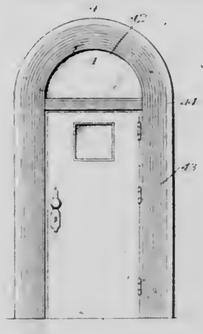


1. In apparatus for winding freshly formed rayon yarn, a winding spindle adapted to be driven, a bobbin holder mounted on said spindle for rotation therewith, said bobbin holder including a portion of large diameter and a portion of small diameter, a bobbin core detachably connected to said portion of small diameter, radially retractible axially extending slats arranged about the outer periphery of said core, said slats constituting a support for a wound package, means for pivotally supporting each of said slats at the end of said core remote from the portion attached to the bobbin holder, the free ends of said slats extending beyond the end of the core and overlying the portion of said holder of large diameter and held in radially extended position thereby, and means for urging said slats radially inwardly, whereby when the core is detached from the bobbin holder the slats will move radially inwardly to form a conical thread supporting surface and relieve tension on the interior of the package, at the same time permitting doffing thereof without disturbance of any of the convolutions of yarn.

2,253,489
METAL FINISH

Raymond L. Smith, Columbus, Ohio

Application May 20, 1937, Serial No. 143,808
7 Claims. (Cl. 189—86)



1. A metal finish adapted to be laid on a supporting surface and comprising a plurality of ductile metallic strips, the longitudinal edge of each strip having an element interfitting with a complementary element on the edge of the next adjacent strip, said strips being bent as a unit without buckling so that the spacing between their faces remain uniform.

DESIGNS

AUGUST 19, 1941

128,928
DESIGN FOR A BRACELET
Michael Chernow, New York, N. Y.
Application July 3, 1941, Serial No. 101,879
Term of patent 7 years





The ornamental design for a bracelet, substantially as shown.

128,929
DESIGN FOR A BRACELET
Michael Chernow, New York, N. Y.
Application July 3, 1941, Serial No. 101,880
Term of patent 7 years





The ornamental design for a bracelet, substantially as shown.

128,930
DESIGN FOR A JEWELRY CLIP
Michael Chernow, New York, N. Y.
Application July 3, 1941, Serial No. 101,881
Term of patent 7 years









The ornamental design for a jewelry clip, substantially as shown.

128,931
DESIGN FOR A JEWELRY CLIP
Michael Chernow, New York, N. Y.
Application July 3, 1941, Serial No. 101,882
Term of patent 7 years







The ornamental design for a jewelry clip, substantially as shown.

128,932
DESIGN FOR A JEWELRY CLIP
Michael Chernow, New York, N. Y.
Application July 3, 1941, Serial No. 101,883
Term of patent 7 years



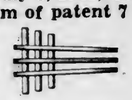






The ornamental design for a jewelry clip, substantially as shown.

128,933
DESIGN FOR A JEWELRY CLIP
Michael Chernow, New York, N. Y.
Application July 3, 1941, Serial No. 101,884
Term of patent 7 years





The ornamental design for a jewelry clip, substantially as shown.

128,934
DESIGN FOR A CONTAINER CAP
Philip A. Derham and Jesse H. Newport, Jr., Rosemont, Pa., assignors to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 21, 1941, Serial No. 101,600
Term of patent 7 years





The ornamental design for a container cap, substantially as shown.

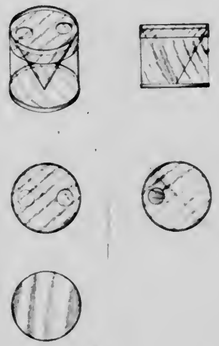
128,935
DESIGN FOR A CONTAINER CAP
Philip A. Derham and Jesse H. Newport, Jr., Rosemont, Pa., assignors to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application June 21, 1941, Serial No. 101,601
Term of patent 7 years





The ornamental design for a container cap, substantially as shown.

128,936
DESIGN FOR A CAPSULE CONTAINER AND DISPENSER
John B. Foley, Chicago, Ill.
Application April 17, 1941, Serial No. 100,479
Term of patent 14 years



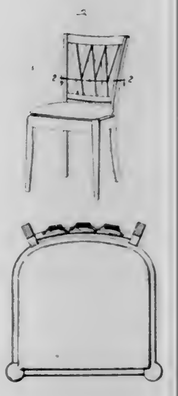
The ornamental design for a capsule container and dispenser, substantially as shown and described.

128,937
DESIGN FOR A CANISTER OR SIMILAR CONTAINER
Marcelline E. Gougler, Chicago, Ill., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application July 3, 1941, Serial No. 101,892
Term of patent 7 years



The ornamental design for a canister or similar container, substantially as shown and described.

128,938
DESIGN FOR A CHAIR
Leo Jiranek, Scarsdale, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application March 3, 1941, Serial No. 99,332
Term of patent 7 years



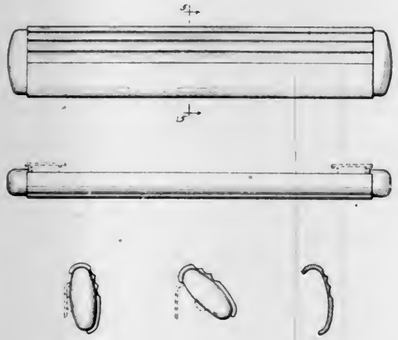
The ornamental design for a chair, substantially as shown and described.

128,939
DESIGN FOR A COMBINED EYEBROW PENCIL AND BRUSH
Florence N. Lewis, New York, N. Y.
Application May 23, 1941, Serial No. 101,112
Term of patent 14 years



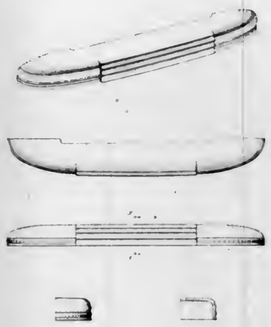
The ornamental design for a combined eyebrow pencil and brush, substantially as shown.

128,940
DESIGN FOR A PENDANT TYPE HANDLE FOR STOVES OR THE LIKE
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,799
Term of patent 7 years



The ornamental design for a pendant type handle for stoves or the like, substantially as shown and described.

128,941
DESIGN FOR A HANDLE FOR STOVES OR THE LIKE
Elmer D. Pellegrin, Woodstock, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,800
Term of patent 7 years



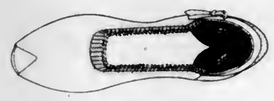
The ornamental design for a handle for stoves or the like, substantially as shown.

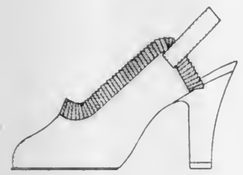
128,942
DESIGN FOR AN AIR CONDITIONING APPARATUS OR SIMILAR ARTICLE
Harold William Schaefer, Chicago, Ill., assignor to The Harry Alter Co., Chicago, Ill., a corporation of Illinois
Application March 8, 1941, Serial No. 99,428
Term of patent 14 years



The ornamental design for an air conditioning apparatus or similar article, as shown.

128,943
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 19, 1941, Serial No. 102,305
Term of patent 3½ years

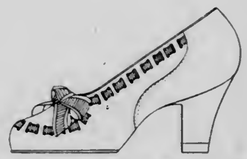




The ornamental design for a shoe, substantially as shown.

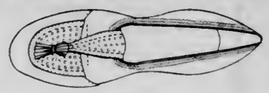
128,944
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 19, 1941, Serial No. 102,307
Term of patent 3½ years

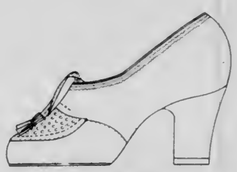




The ornamental design for a shoe, substantially as shown.

128,945
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 19, 1941, Serial No. 102,308
Term of patent 3½ years

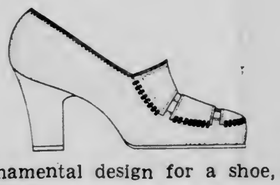




The ornamental design for a shoe, substantially as shown.

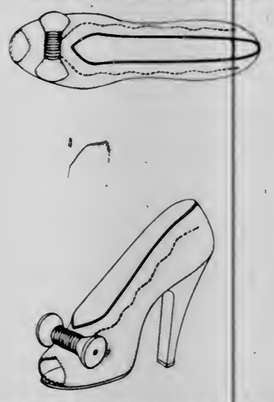
128,946
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 19, 1941, Serial No. 102,310
Term of patent 3½ years





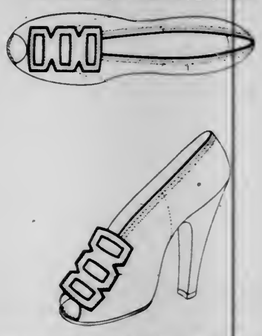
The ornamental design for a shoe, substantially as shown.

128,947
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,376
Term of patent 3½ years



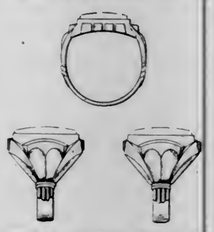
The ornamental design for a shoe, substantially as shown.

128,948
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941. Serial No. 102,381
Term of patent 3½ years



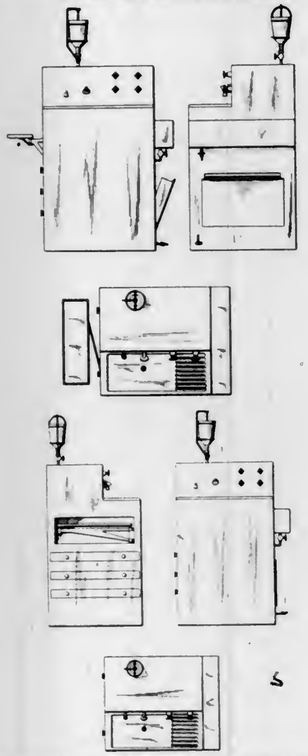
The ornamental design for a shoe, substantially as shown.

128,949
DESIGN FOR A FINGER RING
George P. Wagner, Edgewood, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application June 18, 1941, Serial No. 101,520
Term of patent 14 years



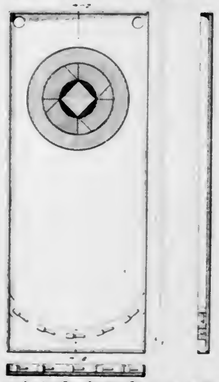
The ornamental design for a finger ring, substantially as shown.

128,950
DESIGN FOR A CABINET-TYPE EMBALMING APPARATUS
George E. Adams, Catawissa, Pa.
Application May 16, 1941, Serial No. 100,987
Term of patent 14 years



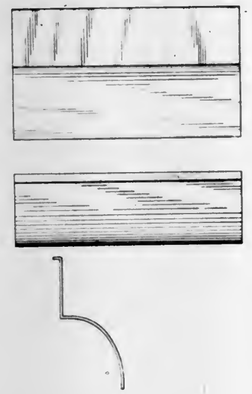
The ornamental design for a cabinet-type embalming apparatus, as shown.

128,951
DESIGN FOR A GAME BOARD
Henry M. Bartle, Santa Rosa, Calif.
Application May 27, 1941, Serial No. 101,187
Term of patent 7 years



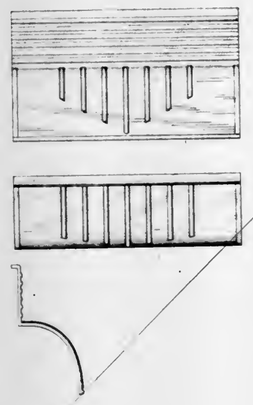
The ornamental design for a game board, as shown and described.

128,952
DESIGN FOR A MASKING UNIT FOR BOWLING ALLEY PIN SETTERS OR THE LIKE
Ellery J. Cloutier, Muskegon, Mich., assignor to The Brunswick - Balke - Collender Company, Chicago, Ill., a corporation of Delaware
Application May 21, 1941, Serial No. 101,050
Term of patent 14 years



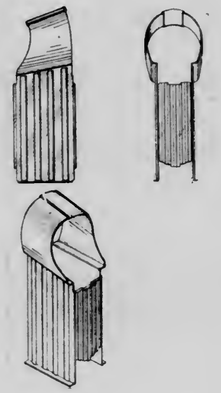
The ornamental design for a masking unit for bowling alley pin setters or the like, as shown.

128,953
DESIGN FOR A MASKING UNIT FOR BOWLING ALLEY PIN SETTERS OR THE LIKE
Ellery J. Cloutier, Muskegon, Mich., assignor to The Brunswick - Balke - Collender Company, Chicago, Ill., a corporation of Delaware
Application May 21, 1941, Serial No. 101,051
Term of patent 14 years



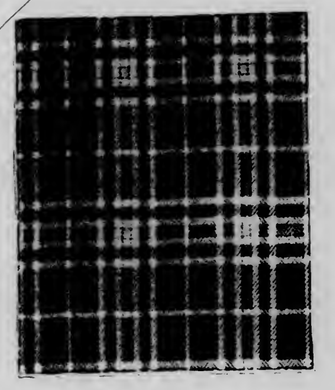
The ornamental design for a masking unit for bowling alley pin setters or the like, as shown.

128,954
DESIGN FOR A CASING FOR A BOWLING BALL STOP
Ellery J. Cloutier, Muskegon, Mich., assignor to The Brunswick - Balke - Collender Company, Chicago, Ill., a corporation of Delaware
Application May 26, 1941, Serial No. 101,156
Term of patent 14 years



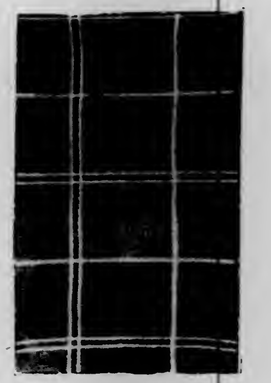
The ornamental design for a casing for a bowling ball stop, as shown.

128,955
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application July 1, 1941, Serial No. 101,833
Term of patent 7 years



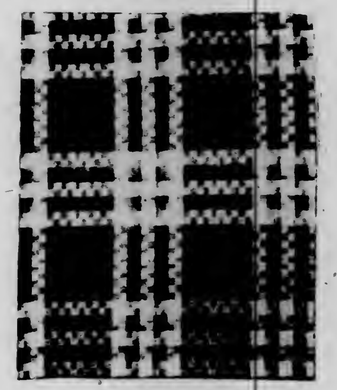
The ornamental design for a textile fabric, substantially as shown.

128,956
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application July 5, 1941, Serial No. 101,906
Term of patent 7 years



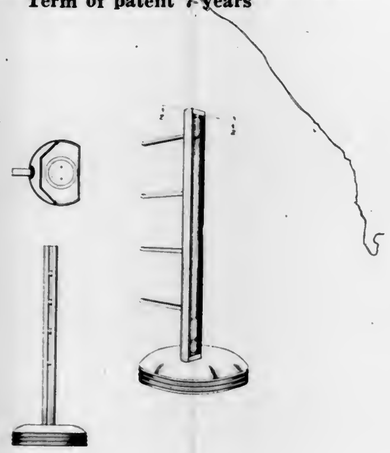
The ornamental design for a textile fabric, substantially as shown.

128,957
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application July 5, 1941, Serial No. 101,907
Term of patent 7 years



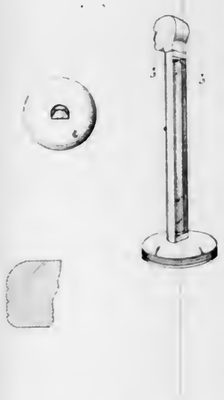
The ornamental design for a textile fabric, substantially as shown.

128,958
DESIGN FOR AN ILLUMINATED DISPLAY STAND
Henry Dreyfuss, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application September 16, 1940, Serial No. 95,097
Term of patent 7 years



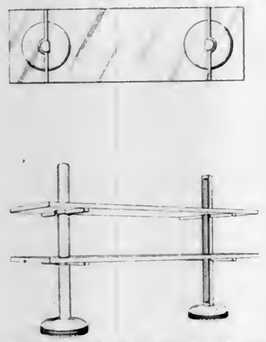
The ornamental design for an illuminated display stand, as shown.

128,959
DESIGN FOR AN ILLUMINATED DISPLAY STAND
Henry Dreyfuss, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application September 16, 1940, Serial No. 95,098
Term of patent 7 years



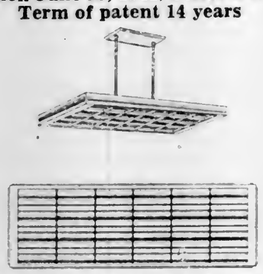
The ornamental design for an illuminated display stand, as shown.

128,960
DESIGN FOR A FLUORESCENT DISPLAY LAMP
Henry Dreyfuss, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application November 13, 1940, Serial No. 96,528
Term of patent 7 years



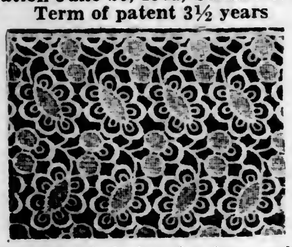
The ornamental design for a fluorescent display lamp, as shown.

128,961
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Robert A. Hrabak, Lakewood, Ohio, assignor to The Art Metal Company, Cleveland, Ohio, a corporation of Ohio
Application June 19, 1941, Serial No. 101,571
Term of patent 14 years



The ornamental design for a fluorescent lighting fixture, substantially as shown.

128,962
DESIGN FOR LACE
Max U. Juestrich, Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application June 26, 1941, Serial No. 101,699
Term of patent 3½ years



The ornamental design for lace, substantially as shown and described.

128,963
DESIGN FOR LACE
Max U. Juestrich, Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application June 26, 1941, Serial No. 101,700
Term of patent 3½ years



The ornamental design for lace, substantially as shown.

128,964
DESIGN FOR LACE
Max U. Juestrich, Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application June 26, 1941, Serial No. 101,701
Term of patent 3½ years



The ornamental design for lace, substantially as shown.

128,965
DESIGN FOR A DRESS
Vera Jacobs, New York, N. Y.
Application July 19, 1941, Serial No. 102,244
Term of patent 3½ years



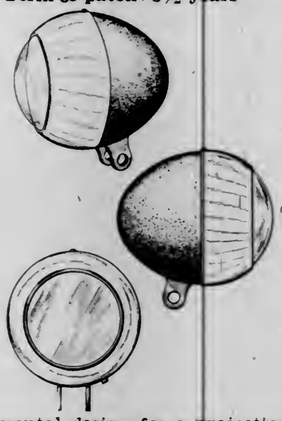
The ornamental design for a dress, substantially as shown.

128,966
DESIGN FOR LACE
Max U. Juestrich, Ridgefield, N. J., assignor to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application July 12, 1941, Serial No. 102,093
Term of patent 3½ years



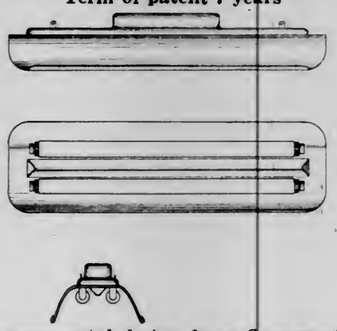
The ornamental design for lace, substantially as shown and described.

128,967
DESIGN FOR A PROJECTION LAMP
Wilber P. Peterson, Kansas City, Mo.
Application April 10, 1941, Serial No. 100,293
Term of patent 3½ years



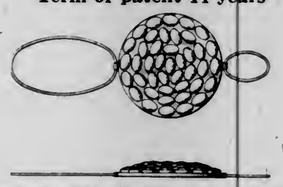
The ornamental design for a projection lamp, substantially as shown.

128,968
DESIGN FOR A FLUORESCENT LAMP FIXTURE
Kenneth R. Scribner, Ipswich, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application March 22, 1941, Serial No. 99,779
Term of patent 7 years



The ornamental design for a fluorescent lamp fixture, as shown.

128,969
DESIGN FOR A HAND CARRIED TRAFFIC SIGNAL
Gladys Stewart, Oakland, Calif.
Application May 3, 1941, Serial No. 100,754
Term of patent 14 years



The ornamental design for a hand carried traffic signal, as shown.

128,970
DESIGN FOR A LACE
Joseph A. Sutton, New York, N. Y.
Application July 11, 1941, Serial No. 102,024
Term of patent 3½ years



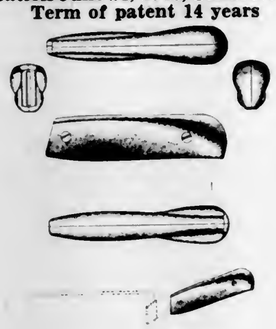
The ornamental design for a lace, substantially as shown and described.

128,971
DESIGN FOR A DISPLAY PAD FOR AN ARTICLE OF JEWELRY
Charles L. Thatcher, South Attleboro, Mass., assignor to Marathon Company, a corporation of Massachusetts
Application November 26, 1940, Serial No. 98,819
Term of patent 14 years



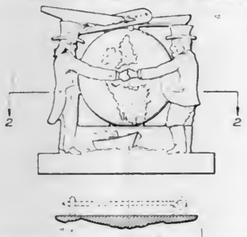
The ornamental design for a display pad for an article of jewelry, substantially as shown and described.

128,972
DESIGN FOR A HANDLE GRIP FOR COOKING VESSELS OR THE LIKE
William A. Welden, Stamford, Conn., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application June 24, 1940, Serial No. 93,215
Term of patent 14 years



The ornamental design for a handle grip for cooking vessels or the like, substantially as shown and described.

128,973
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Walter Lorimer Campbell, Milton, Mass.
Application April 1, 1941, Serial No. 100,179
Term of patent 7 years



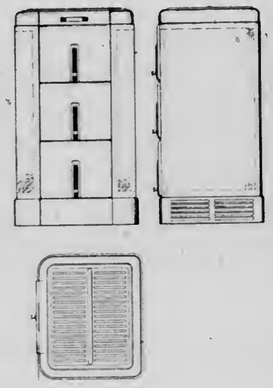
The ornamental design for a brooch or similar article, as shown.

128,974
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application July 11, 1941, Serial No. 102,022
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

128,975
DESIGN FOR A HEATING STOVE CASING
John A. Dahlstrom, Bay Village, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application April 26, 1940, Serial No. 91,978
Term of patent 14 years



The ornamental design for a heating stove casing, as shown and described.

128,976
DESIGN FOR A FINGER RING
Edward Gerardi, Rockville Centre, N. Y.
Application January 6, 1941, Serial No. 97,833
Term of patent 3½ years



The ornamental design for a finger ring, substantially as shown.

128,977
DESIGN FOR AN ARTICLE OF BRIC-A-BRAC
James Matrick, Portsmouth, N. H.
Application May 31, 1941, Serial No. 101,248
Term of patent 14 years



The ornamental design for an article of bric-a-brac, substantially as shown.

128,978
DESIGN FOR A TEXTILE FABRIC
Charles Nuskind, New York, N. Y.
Application April 1, 1941, Serial No. 100,069
Term of patent 3½ years

The ornamental design for a textile fabric, as shown and described.

128,979
DESIGN FOR A JEWELRY FINDING
Fritz Regelmann, Cranston, R. I., assignor to Carl-Art, Inc., Providence, R. I., a corporation of Rhode Island
Application March 4, 1940, Serial No. 90,674
Term of patent 7 years



The ornamental design for a jewelry finding, substantially as shown.

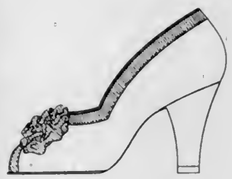
128,980
DESIGN FOR A DISPLAY MOUNT FOR BACKED PHOTOGRAPHIC FIGURES
Jack Charles Schirrmacher, Jersey City, and Peter James Doran, Woodridge, N. J.
Application June 7, 1941, Serial No. 101,347
Term of patent 7 years



The ornamental design for a display mount for backed photographic figures, substantially as shown and described.

128,981
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 19, 1941, Serial No. 102,309
Term of patent 3½ years

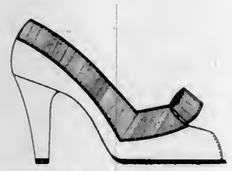




The ornamental design for a shoe, substantially as shown.

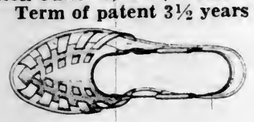
128,982
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 19, 1941, Serial No. 102,314
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

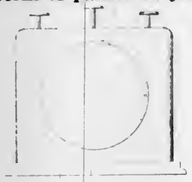
128,983
DESIGN FOR A SHOE
George Thomas, Los Angeles, Calif., assignor of one-half to Benjamin Warshauer, Stockton, Calif.
Application June 28, 1941, Serial No. 101,780
Term of patent 3½ years





The ornamental design for a shoe, as shown and described.

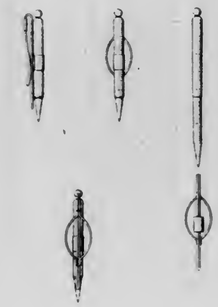
128,984
DESIGN FOR A CLOCK
Otto Uhl, Jr., Flushing, N. Y.
Application July 1, 1941, Serial No. 101,841
Term of patent 14 years





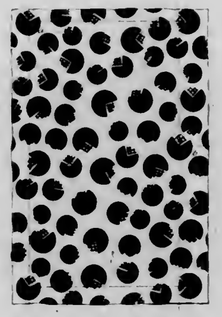
The ornamental design for a clock, as shown and described.

128,985
DESIGN FOR A COMBINED TIE CLIP AND EXTENSION PENCIL
Jacob M. Weiss, New York, N. Y.
Application December 14, 1940, Serial No. 97,298
Term of patent 7 years



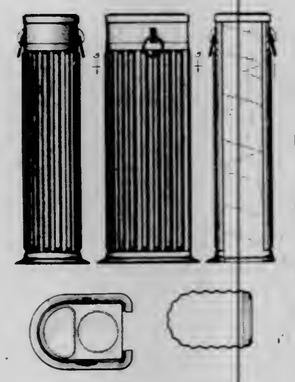
The ornamental design for a combined tie clip and extension pencil, substantially as shown and described.

128,986
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Arnold Zavell, New York, N. Y.
Application July 16, 1941, Serial No. 102,181
Term of patent 3½ years



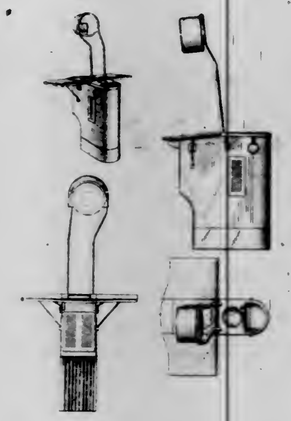
The ornamental design for a textile fabric or similar article, as shown and described.

128,987
DESIGN FOR A NEWEL POST FOR BOWLING BALL RACKS OR THE LIKE
Ellery J. Cloutier, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application June 4, 1941, Serial No. 101,293
Term of patent 14 years



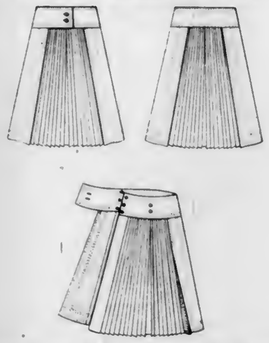
The ornamental design for a newel post for bowling ball racks or the like, as shown.

128,988
DESIGN FOR A COMBINED SCORE TABLE AND SCORE PROJECTOR OR SIMILAR ARTICLE
Ellery J. Cloutier, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application June 4, 1941, Serial No. 101,294
Term of patent 14 years



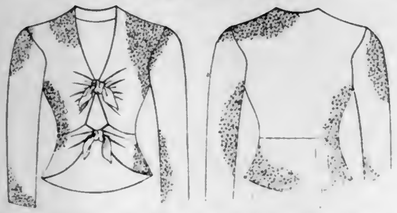
The ornamental design for a combined score table and score projector or similar article, as shown and described.

128,989
DESIGN FOR A SKIRT
Tina Leser, New York, N. Y.
Application July 9, 1941, Serial No. 101,986
Term of patent 3½ years



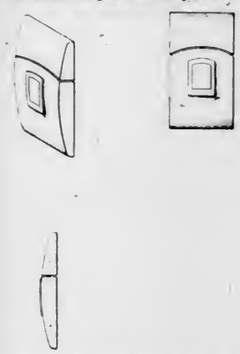
The ornamental design for a skirt, substantially as shown.

128,990
DESIGN FOR A SWEATER
Tina Leser, New York, N. Y.
Application July 15, 1941, Serial No. 102,149
Term of patent 3½ years



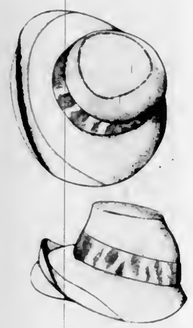
The ornamental design for a sweater, substantially as shown.

128,991
DESIGN FOR A LOCK
Milton L. Marsh, New Britain, Conn., assignor to The Eagle Lock Company, Terryville, Conn., a corporation of Connecticut
Application January 23, 1941, Serial No. 98,302
Term of patent 7 years



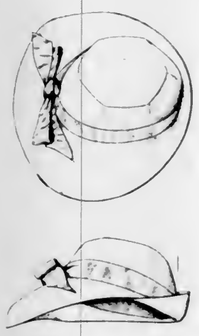
The ornamental design for a lock, substantially as shown.

128,992
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, and Esther Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application June 27, 1941, Serial No. 101,740
Term of patent 3½ years



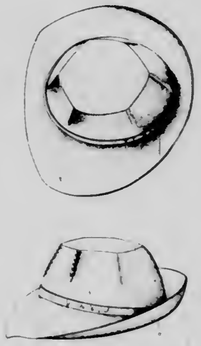
The ornamental design for a hat, as shown.

128,993
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, N. Y., and Wilhelmina J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application July 3, 1941, Serial No. 101,886
Term of patent 3½ years



The ornamental design for a hat, as shown.

128,994
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, N. Y., and Wilhelmina J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application July 3, 1941, Serial No. 101,887
Term of patent 3½ years



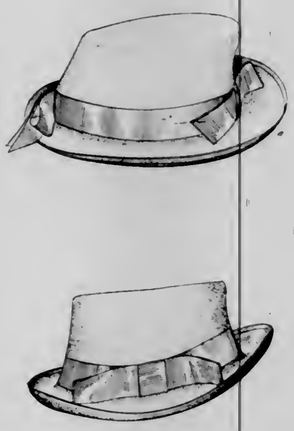
The ornamental design for a hat, as shown.

128,995
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, N. Y., and Wilhelmina J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application July 5, 1941, Serial No. 101,900
Term of patent 3½ years



The ornamental design for a hat, as shown.

128,996
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, N. Y., and Wilhelmina J. Russy, Jersey City, N. J., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application July 8, 1941, Serial No. 101,958
Term of patent 3½ years



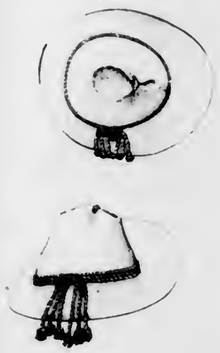
The ornamental design for a hat, as shown.

128,997
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, and Esther Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application July 12, 1941, Serial No. 102,090
Term of patent 3½ years



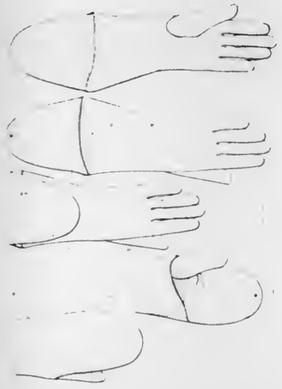
The ornamental design for a hat, as shown.

128,998
DESIGN FOR A HAT
Paul M. Maxwell, Manhasset, and Esther Lundberg, New York, N. Y., assignors to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware
Application July 12, 1941, Serial No. 102,092
Term of patent 3½ years



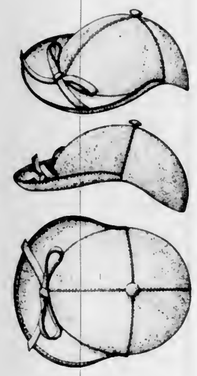
The ornamental design for a hat, as shown.

128,993
DESIGN FOR A COMBINED GLOVE AND MITTEN
Anne Rhea, New York, N. Y., assignor to Julius Kayser & Co., New York, N. Y., a corporation of New York
Application June 12, 1941, Serial No. 101,421
Term of patent 3½ years



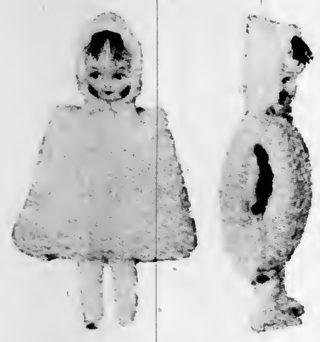
The ornamental design for a combined glove and mitten, as shown.

129,000
DESIGN FOR A HAT
Babette C. Tripp, New Haven, Conn., assignor to Leighton Hats, Incorporated, New York, N. Y., a corporation of New York
Application July 3, 1941, Serial No. 101,890
Term of patent 7 years



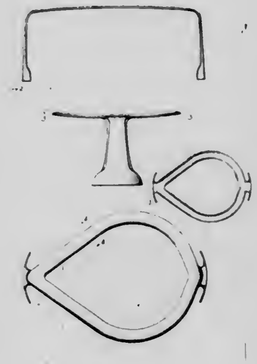
The ornamental design for a hat, as shown.

129,001
DESIGN FOR A MUFF
Thomas L. Vine, New York, N. Y.
Application June 5, 1941, Serial No. 101,317
Term of patent 7 years



The ornamental design for a muff, as shown.

129,002
DESIGN FOR A HAT STIFFENER
Mario G. Bramucci and Vincent Pellicone, Los Angeles, Calif.
Application December 28, 1940, Serial No. 97,679
Term of patent 3½ years



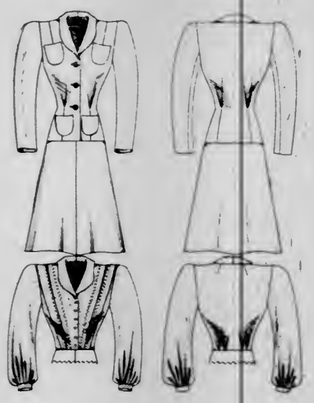
The ornamental design for a hat stiffener, substantially as shown.

129,003
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 19, 1941, Serial No. 102,273
Term of patent 3½ years



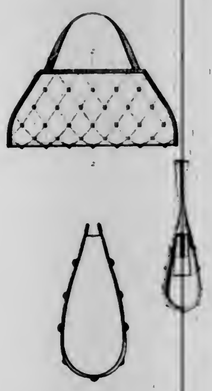
The ornamental design for a dress, substantially as shown.

129,004
DESIGN FOR A DRESS ENSEMBLE
Zelma Golden, Larchmont, N. Y.
Application July 19, 1941, Serial No. 102,232
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,005
DESIGN FOR A HANDBAG
Louis Carl Levine, Brooklyn, N. Y.
Application May 24, 1941, Serial No. 101,128
Term of patent 3½ years



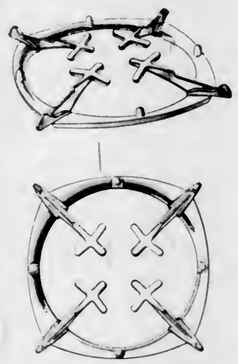
The ornamental design for a handbag, substantially as shown and described.

129,006
DESIGN FOR AN ATOMIZER
Walter Schwarz, La Crescenta, Calif., assignor to Standard Homeopathic Company, a corporation of Nevada
Application March 7, 1941, Serial No. 99,416
Term of patent 7 years



The ornamental design for an atomizer, substantially as shown and described.

129,007
DESIGN FOR A UTENSIL SUPPORT FOR A COOKING RANGE
Grover F. Whitehead, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a corporation of Illinois
Application June 14, 1941, Serial No. 101,467
Term of patent 14 years



The ornamental design for a utensil support for a cooking range, substantially as shown.

129,008
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
August Hafner, Whitestone, N. Y.
Application July 30, 1941, Serial No. 102,563
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

129,009
DESIGN FOR A LACE CURTAIN OR SIMILAR ARTICLE
Max Sadinoff, Bronx, N. Y.
Application July 15, 1941, Serial No. 102,135
Term of patent 3½ years



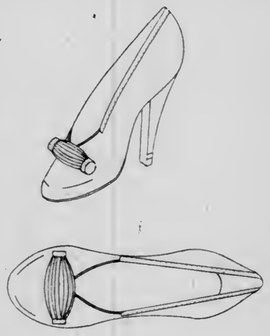
The ornamental design for a lace curtain or similar article, as shown and described.

129,010
DESIGN FOR A CATAPULT FOR A BOOMERANG GAME DEVICE OR SIMILAR ARTICLE
Marvin E. Smith, Chicago, Ill.
Application March 24, 1938, Serial No. 76,070
Term of patent 3½ years



The ornamental design for a catapult for a boomerang game device or similar article, as shown and described.

129,011
DESIGN FOR A SHOE
Harry Le Roy Sutcliffe, New York, N. Y.
Application July 23, 1941, Serial No. 102,384
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

129,012
DESIGN FOR A BATHING CAP
Jeannette M. Witkins, New York, N. Y.
Application October 31, 1940, Serial No. 96,243
Term of patent 7 years



The ornamental design for a bathing cap, substantially as shown and described.

129,013
DESIGN FOR A DRESS
Jean Bensi, New York, N. Y.
Application July 29, 1941, Serial No. 102,527
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,014
DESIGN FOR A DRESS
Jean Bensi, New York, N. Y.
Application July 29, 1941, Serial No. 102,529
Term of patent 3½ years



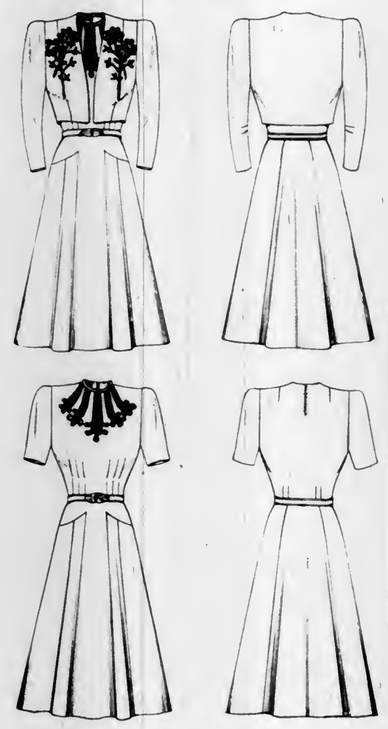
The ornamental design for a dress, substantially as shown and described.

129,015
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application July 24,1941, Serial No. 102,432
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,016
DESIGN FOR A DRESS ENSEMBLE
Israel Buchholz, New York, N. Y.
Application July 24, 1941, Serial No. 102,433
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,017
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application July 24, 1941, Serial No. 102,434
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,018
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application July 24, 1941, Serial No. 102,435
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,019
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,553
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,020
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,556
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,021
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,557
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,022
DESIGN FOR A DRESS
Josephine C. Regensburg, New York, N. Y.
Application July 30, 1941, Serial No. 102,558
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,023
DESIGN FOR A DRESS
Josephine C. Regensburg, New York, N. Y.
Application July 30, 1941, Serial No. 102,559
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,024
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application July 19, 1941, Serial No. 102,272
Term of patent 3½ years



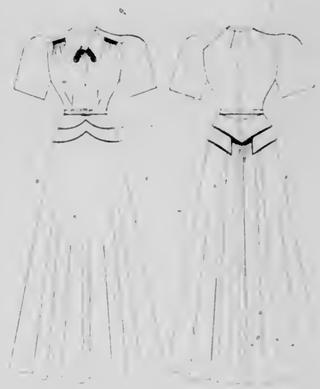
The ornamental design for a dress, substantially as shown.

129,025
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application July 29, 1941, Serial No. 102,531
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,026
DESIGN FOR A DRESS
Doris Mandelker, New York, N. Y.
Application July 29, 1941, Serial No. 102,524
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,027
DESIGN FOR A COMBINED EVENING AND STREET DRESS
Doris Mandelker, New York, N. Y.
Application July 29, 1941, Serial No. 102,525
Term of patent 3½ years



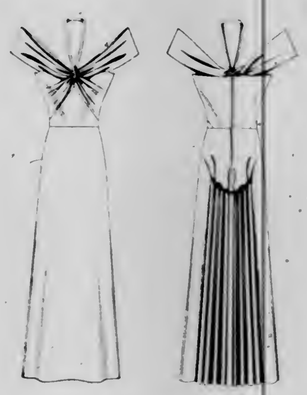
The ornamental design for a combined evening and street dress, substantially as shown.

129,023
DESIGN FOR A DRESS
Doris Mandelker, New York, N. Y.
Application July 29, 1941, Serial No. 102,526
Term of patent 3½ years



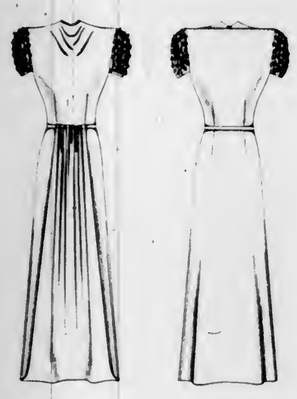
The ornamental design for a dress, substantially as shown and described.

129,029
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 26, 1941, Serial No. 102,491
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,030
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 26, 1941, Serial No. 102,492
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,031
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,545
Term of patent 3½ years



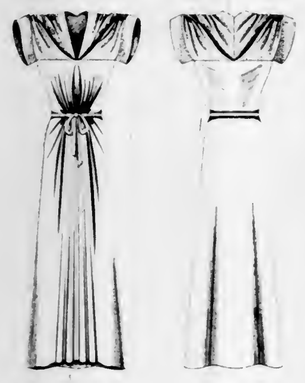
The ornamental design for a dress, substantially as shown.

129,032
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,546
Term of patent 3½ years



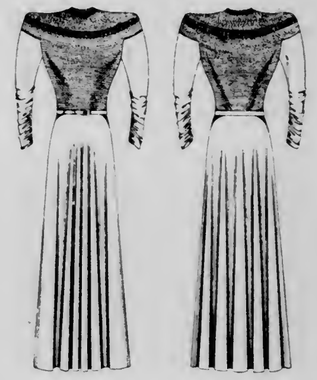
The ornamental design for a dress, substantially as shown.

129,033
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,547
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,034
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,548
Term of patent 3½ years



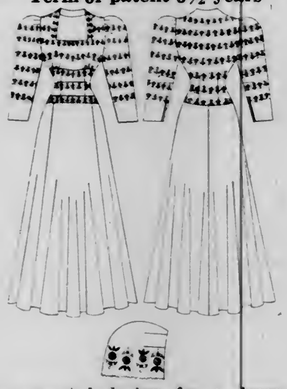
The ornamental design for a dress, substantially as shown.

129,035
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,554
Term of patent 3½ years



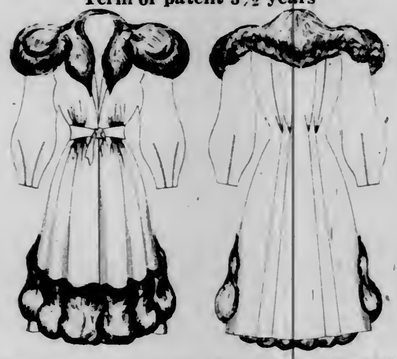
The ornamental design for a dress, substantially as shown.

129,036
DESIGN FOR A DRESS
Glory Világ, New York, N. Y.
Application July 29, 1941, Serial No. 102,523
Term of patent 3½ years



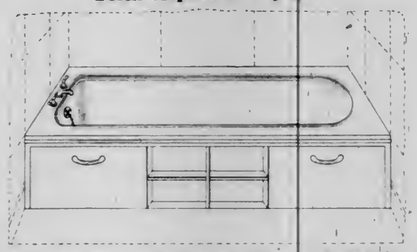
The ornamental design for a dress, substantially as shown and described.

129,037
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application July 26, 1941, Serial No. 102,502
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,038
DESIGN FOR A BATHTUB
Richard G. Fensch, Mansfield, Ohio, assignor to The Humphryes Manufacturing Company, Mansfield, Ohio, a corporation of Ohio
Application June 24, 1941, Serial No. 101,640
Term of patent 14 years



The ornamental design for a bathtub, as shown.

129,039
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
August Hafner, Whitestone, Long Island, N. Y.
Application July 30, 1941, Serial No. 102,562
Term of patent 3½ years



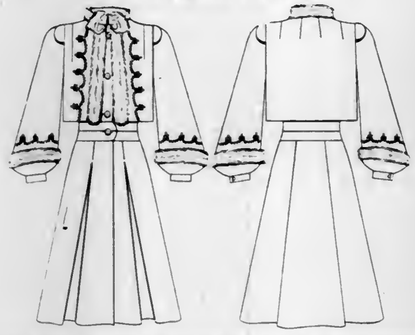
The ornamental design for a textile fabric or similar article, as shown.

129,040
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application July 12, 1941, Serial No. 102,082
Term of patent 3½ years



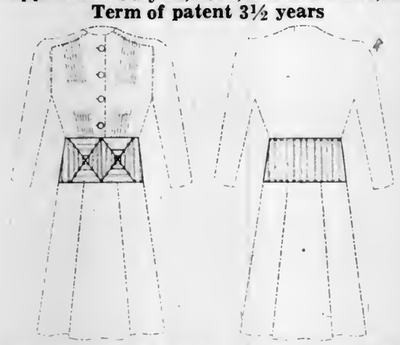
The ornamental design for a dress, substantially as shown and described.

129,041
DESIGN FOR A COAT
Philip Marcus, New York, N. Y.
Application July 26, 1941, Serial No. 102,495
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,042
DESIGN FOR A DRESS
Tina Leser, New York, N. Y.
Application July 15, 1941, Serial No. 102,150
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

129,043
DESIGN FOR A COAT
Germaine Monteil, New York, N. Y.
Application July 26, 1941, Serial No. 102,493
Term of patent 3½ years



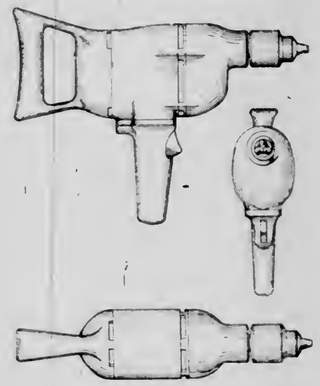
The ornamental design for a coat, substantially as shown.

129,044
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Mark Turpan, West Englewood, N. J.
Application July 26, 1941, Serial No. 102,496
Term of patent 3½ years



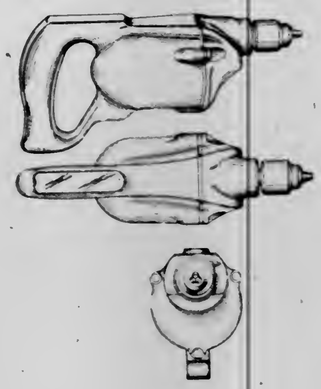
The ornamental design for a textile fabric or similar article, as shown.

129,045
DESIGN FOR A PORTABLE POWER DRIVEN TOOL UNIT
Glenn C. Wilhide, Baltimore County, Md., assignor to The Black and Decker Manufacturing Company, Towson, Md., a corporation of Maryland
Application September 28, 1940, Serial No. 95,505
Term of patent 7 years



The ornamental design for a portable power driven tool unit, substantially as shown.

129,046
DESIGN FOR A PORTABLE POWER DRIVEN TOOL UNIT
Glenn C. Wilhide, Baltimore County, Md., assignor to The Black and Decker Manufacturing Company, Towson, Md., a corporation of Maryland
Application September 28, 1940, Serial No. 95,506
Term of patent 7 years



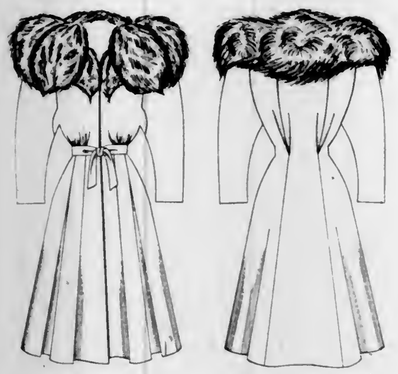
The ornamental design for a portable power driven tool unit, substantially as shown.

129,047
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application July 26, 1941, Serial No. 102,503
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,048
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application July 26, 1941, Serial No. 102,504
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,049
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application July 26, 1941, Serial No. 102,505
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,050
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application July 26, 1941, Serial No. 102,506
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,051
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application July 26, 1941, Serial No. 102,507
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,052
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application July 26, 1941, Serial No. 102,508
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,053
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application July 26, 1941, Serial No. 102,510
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,054
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application July 26, 1941, Serial No. 102,511
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,055
DESIGN FOR A COAT
Harry Zuckerman, New York, N. Y.
Application July 26, 1941, Serial No. 102,512
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

129,056
DESIGN FOR A DRESS ENSEMBLE
Leah Asteroff, New York, N. Y.
Application July 24, 1941, Serial No. 102,420
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,056—Continued



The ornamental design for a dress ensemble, substantially as shown.

129,057
DESIGN FOR A DRESS ENSEMBLE
Frank C. Brogan, Larchmont, N. Y.
Application July 24, 1941, Serial No. 102,409
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,058
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application July 24, 1941, Serial No. 102,428
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,059
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application July 24, 1941, Serial No. 102,429
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,060
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application July 24, 1941, Serial No. 102,430
Term of patent 3½ years



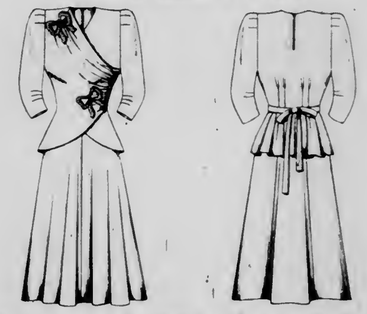
The ornamental design for a dress, substantially as shown.

129,061
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application July 24, 1941, Serial No. 102,431
Term of patent 3½ years



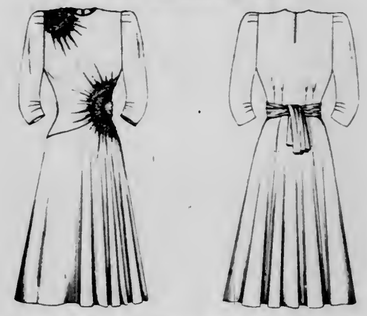
The ornamental design for a dress, substantially as shown.

129,062
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application July 24, 1941, Serial No. 102,438
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,063
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application July 24, 1941, Serial No. 102,439
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,064
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application July 24, 1941, Serial No. 102,440
Term of patent 3½ years



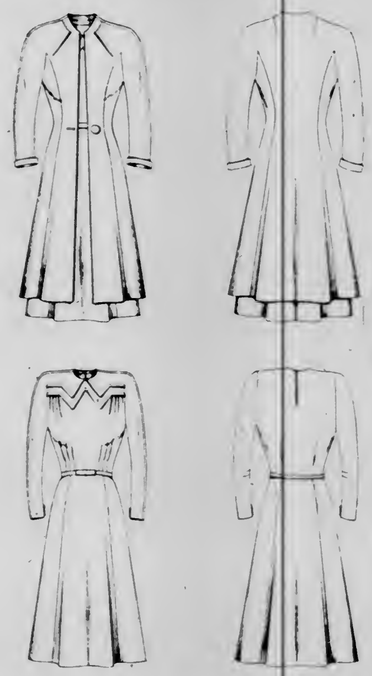
The ornamental design for a dress, substantially as shown.

129,065
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application July 24, 1941, Serial No. 102,441
Term of patent 3½ years



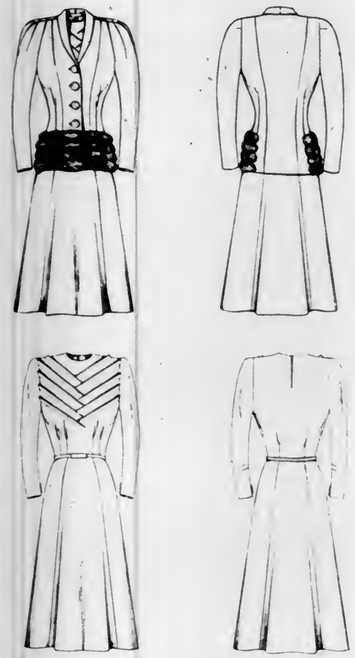
The ornamental design for a dress, substantially as shown.

129,066
DESIGN FOR A DRESS ENSEMBLE
Simon Etkin, New York, N. Y.
Application July 24, 1941, Serial No. 102,446
Term of patent 3½ years



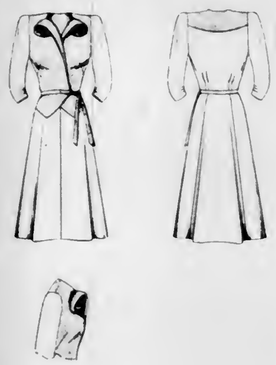
The ornamental design for a dress ensemble, substantially as shown.

129,067
DESIGN FOR A DRESS ENSEMBLE
Simon Etkin, New York, N. Y.
Application July 24, 1941, Serial No. 102,447
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,068
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application July 24, 1941, Serial No. 102,421
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,069
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application July 24, 1941, Serial No. 102,422
Term of patent 3½ years



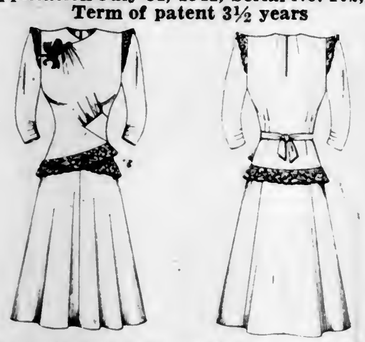
The ornamental design for a dress, substantially as shown.

129,070
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application July 24, 1941, Serial No. 102,423
Term of patent 3½ years



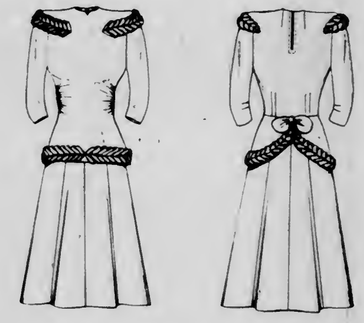
The ornamental design for a dress, substantially as shown.

129,071
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application July 31, 1941, Serial No. 102,584
Term of patent 3½ years



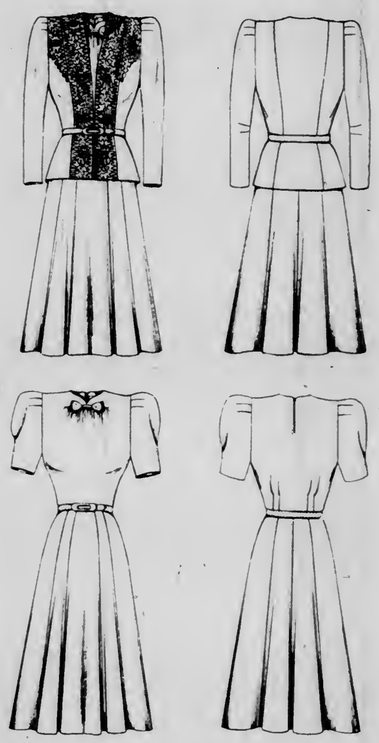
The ornamental design for a dress, substantially as shown.

129,072
DESIGN FOR A DRESS
Lillian Heims, New York, N. Y.
Application July 24, 1941, Serial No. 102,424
Term of patent 3½ years



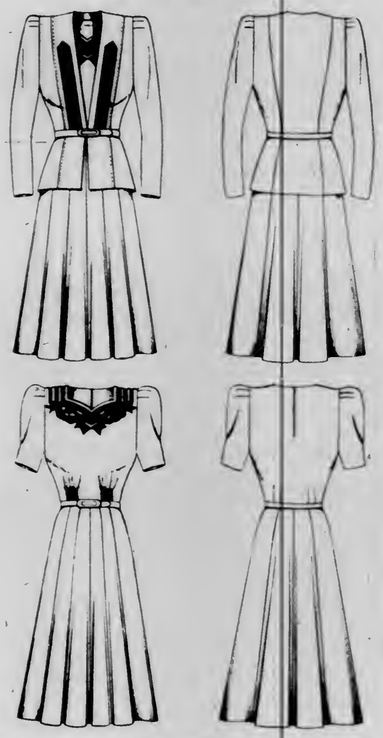
The ornamental design for a dress, substantially as shown.

129,073
DESIGN FOR A DRESS ENSEMBLE
Max Lynn, New York, N. Y.
Application July 31, 1941, Serial No. 102,576
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,074
DESIGN FOR A DRESS ENSEMBLE
Max Lynn, New York, N. Y.
Application July 31, 1941, Serial No. 102,577
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,075
DESIGN FOR A DRESS
Jane Marchesa, Flushing, N. Y.
Application July 24, 1941, Serial No. 102,415
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,076
DESIGN FOR A DRESS
Murray Marve, New York, N. Y.
Application July 24, 1941, Serial No. 102,413
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,077
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 26, 1941, Serial No. 102,484
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,078
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 26, 1941, Serial No. 102,485
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,079
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 26, 1941, Serial No. 102,486
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,080
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 26, 1941, Serial No. 102,488
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,081
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 26, 1941, Serial No. 102,489
Term of patent 3½ years



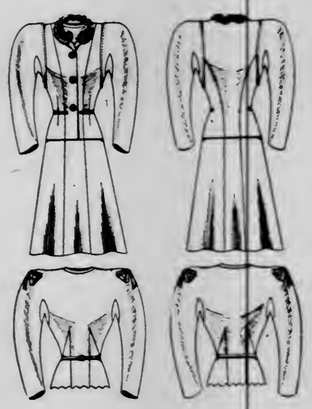
The ornamental design for a dress, substantially as shown.

129,082
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application July 26, 1941, Serial No. 102,490
Term of patent 3½ years



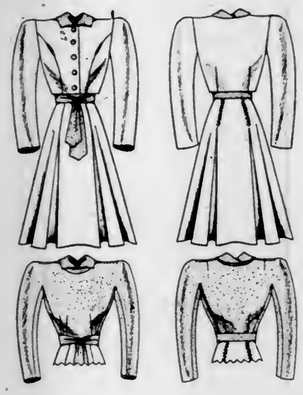
The ornamental design for a dress ensemble, substantially as shown.

129,083
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,544
Term of patent 3½ years



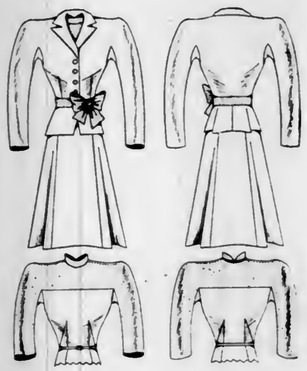
The ornamental design for a dress ensemble, substantially as shown.

129,084
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,549
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,085
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,550
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,086
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,551
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,087
DESIGN FOR A DRESS ENSEMBLE
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,555
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,088
DESIGN FOR A DRESS
Murray Marve, New York, N. Y.
Application July 24, 1941, Serial No. 102,414
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,089
DESIGN FOR A DRESS
Josephine C. Regensburg, New York, N. Y.
Application July 30, 1941, Serial No. 102,560
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,090
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application July 24, 1941, Serial No. 102,417
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,091
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application July 24, 1941, Serial No. 102,418
Term of patent 3½ years



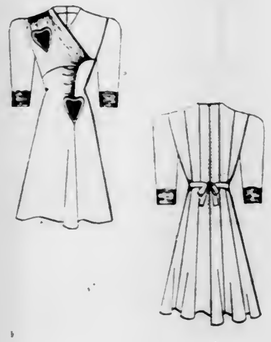
The ornamental design for a dress, substantially as shown.

129,092
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application July 26, 1941, Serial No. 102,494
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,093
DESIGN FOR A DRESS
Jack Stolkin, New York, N. Y.
Application July 24, 1941, Serial No. 102,411
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,094
DESIGN FOR A DRESS
Minna Wuerth, New York, N. Y.
Application July 25, 1941, Serial No. 102,472
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

129,095
DESIGN FOR A DRESS
Jean Bensi, New York, N. Y.
Application July 29, 1941, Serial No. 102,529
Term of patent 3½ years



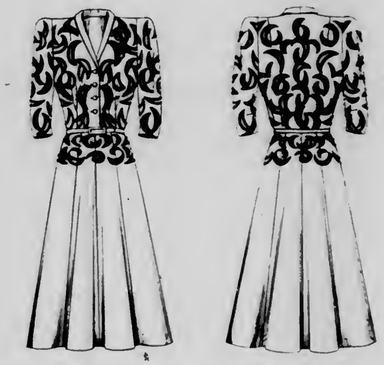
The ornamental design for a dress, substantially as shown.

129,096
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application July 24, 1941, Serial No. 102,436
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,097
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application July 24, 1941, Serial No. 102,437
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,098
DESIGN FOR A DRESS
Jacob J. Kushner, New York, N. Y.
Application July 29, 1941, Serial No. 102,530
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

129,099
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 26, 1941, Serial No. 102,487
Term of patent 3½ years



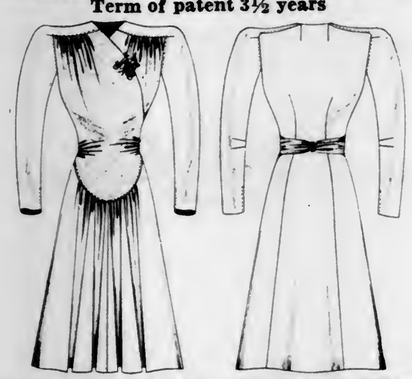
The ornamental design for a dress, substantially as shown.

129,100
DESIGN FOR A DRESS
Germaine Monteil, New York, N. Y.
Application July 30, 1941, Serial No. 102,552
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,101
DESIGN FOR A DRESS
Helga Oppenheimer, Little Neck, Long Island, N. Y.
Application July 30, 1941, Serial No. 102,561
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 529—No. 4 TUESDAY, AUGUST 26, 1941 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF AUGUST 26, 1941	793
DISCLAIMERS	793
ADVERSE DECISIONS IN INTERFERENCE	793
TRANSFER OF CLASSES	794
APPLICATIONS UNDER EXAMINATION	
DECISIONS OF THE U. S. COURTS—	
Corr (J. C. Yochim & Co., Inc., Assignee Substituted) v. Oldetyme Distillers, Inc.	795
In re Greider et al.	798
The Carborundum Company v. Coe, Commissioner of Patents	801
Cawood v. Coe, Commissioner of Patents	802
In re Saurer, Deceased, by Rosina Saurer-Hegner and Anita Elisabeth Saurer, Sole Heirs	802
Perkins et al. v. Engs et al.	804
PATENT SUITS	807
BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS	809
TRADE-MARKS PUBLISHED (93 APPLICATIONS)	813
TRADE-MARK REGISTRATIONS GRANTED	824
TRADE-MARK REGISTRATIONS RENEWED	830
REISSUES	833
PLANT PATENTS	835
PATENTS GRANTED	836
DESIGNS	1007

August 26, 1941

Trade-Marks	122	No. 389,846 to No. 389,967	inclusive.
T. M. Renewals	69		
Reissues	7	No. 21,884 to No. 21,890	inclusive.
Plant Patents	3	No. 486 to No. 488	inclusive.
Patents	707	No. 2,253,490 to No. 2,254,196	inclusive.
Designs	152	No. 129,102 to No. 129,253	inclusive.
Total	1,060		

Disclaimers

2,173,827.—*John Joseph Donleavy,* Hamden, Conn. ALKYL THIO-SUBSTITUTED BENZOIC ACID ALKAMINE ESTER SALTS, INTERMEDIATE AND PROCESS OF PREPARING SAME. Patent dated September 26, 1939. Disclaimer filed August 4, 1941, by the inventor; the assignee, *Allied Laboratories, Inc.,* consenting.

Hereby enters this disclaimer to claims 1, 2, 18, 19, 20, and 22 of said patent.

2,177,139.—*Leo Horvitz,* Houston, Tex. GAS SEPARATION. Patent dated October 24, 1939. Disclaimer filed August 5, 1941, by the assignee, *Standard Oil Development Company.*

Hereby enters this disclaimer to that part of claims 1, 2, 6, and 7 which is in the following words, to wit:

Claim 1. "and subsequently resolidifying and collecting the portion which was carried over", except insofar as this step is carried out in a zone separate and distinct from the zone in which the first solidification stage is conducted.

Claim 2. "repeating said reducing and collecting step,", except insofar as this step is carried out in a zone separate and distinct from the zone in which the first reducing and collecting stage is conducted.

Claim 6. "and subjecting the remaining mixed gases to a temperature at which any of the component carried past the first liquefying stage is liquefied and collected", except insofar as this step is carried out in a zone separate and distinct from that in which the first liquefying stage is effected.

Claim 7. "and again subjecting the gas to a temperature at which any of the components carried past the first reducing and collecting stage are reduced and collected", except insofar as this step is carried out in a zone separate and distinct from the zone in which the first reducing and collecting stage is effected.

2,196,312.—*Harold W. Kost,* Detroit, Mich. SHEET METAL NUT. Patent dated April 9, 1940. Disclaimer filed August 4, 1941, by the assignee, *Detroit Harvester Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 4, 7, and 8 of the specification.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,218,897, Vikton Skuth, Method of treating woody material, decided August 2, 1941, claim 1.

Pat. 2,150,167, Hutchins and McFarlin, Current control and discharge of transient overvoltages, decided August 5, 1941, claims 7 and 9.

Transfer of Classes

ORDER No. 3,563

The following transfers, effective Monday, August 18, 1941, are hereby ordered.

Class 9, Boats and Buoys, from Division 22 to Division 61.

Class 114, Ships, from Division 22 to Division 61.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business August 9, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 44,679; Trade-Mark Division, 1,340. Oldest new case, Nov. 4, 1940; oldest amended, Nov. 6, 1940.)
(The dates given are 1941 except where † indicates 1940)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Jan. 14	Jan. 22	753
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Mar. 24	Feb. 17	508
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	June 3	May 29	478
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Apr. 26	Apr. 16	618
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons.	Apr. 3	Apr. 3	410
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Jan. 18	Jan. 24	1161
5725	7. JARBOE, C. G., Optics; Photography	Feb. 12	Feb. 18	980
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Feb. 27	Feb. 24	843
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 14	Mar. 11	594
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Mar. 15	Mar. 17	564
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Apr. 9	Apr. 11	401
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Mar. 9	Mar. 9	603
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Jan. 22	Feb. 7	549
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Apr. 9	Apr. 11	537
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 13	Feb. 25	1120
5716	16. SPENCER, C. J., Telegraphy; Telephony	Mar. 24	Mar. 13	515
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Apr. 4	Apr. 18	643
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 21	Mar. 5	418
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 14	Mar. 19	764
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Feb. 28	Mar. 4	460
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	May 8	May 10	329
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Nov. 13	Nov. 13	1595
7624	23. BUTTNER, W. J., Registers (part)	Nov. 13	Nov. 19	261
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 27	Mar. 3	907
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Apr. 7	Apr. 16	528
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Apr. 5	Apr. 1	419
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Mar. 21	Mar. 17	512
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Feb. 5	Mar. 11	382
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Feb. 12	Feb. 18	733
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Apr. 12	Apr. 9	490
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Feb. 27	Feb. 27	1396
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Mar. 3	Mar. 7	930
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Mar. 14	Mar. 13	1107
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Jan. 22	Jan. 21	524
3876	35. BROMLEY, E. D., Card and Sign Exhibiting, Dispensing; Portable Receptacles	Feb. 7	Feb. 1	1021
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Mar. 1	Mar. 4	534
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Apr. 4	Apr. 8	572
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Nov. 4	†Nov. 6	1342
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 16	Apr. 17	501
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 29	Jan. 25	1783
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Mar. 12	Mar. 18	503
5882	42. CUTTING, H. O., Electric Signaling	Apr. 23	Apr. 16	336
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Feb. 12	Feb. 12	655
4087 B	44. HARVEY, L. P., Refrigeration	Feb. 10	Jan. 21	636
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	May 9	Apr. 8	354
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Mar. 7	Mar. 11	790
6082	47. KANOF, W. J., Clutches; Brakes	Apr. 7	Mar. 19	376
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Apr. 11	Apr. 11	555
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 10	Feb. 10	758
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Feb. 10	Feb. 10	1207
5628	51. BACKUS, C. D., Radiant Energy (part)	May 13	May 13	474
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Apr. 3	Apr. 12	650
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 25	Jan. 25	703
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Apr. 4	Apr. 3	371
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Mar. 24	Mar. 18	360
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Jan. 9	Jan. 8	1215
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Jan. 6	Apr. 24	156
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 7	Mar. 1	529
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Feb. 6	Feb. 18	1018
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Apr. 4	May 8	390
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Apr. 25	Apr. 26	361
5621	62. PUGH, E. C., Games; Geometrical Instruments	Apr. 29	Apr. 5	588
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Jan. 23	Jan. 24	1148
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	May 10	May 10	600
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	May 13	May 14	392
2099 B	Trade-Marks: F. A. RICHMOND	July 2	July 18	1340
2605	Designs: H. H. KALUPY	July 9	July 19	678

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

CORR (J. C. YOCHIM & CO., INC., ASSIGNEE SUBSTITUTED)

v.

OLDETYME DISTILLERS, INC.

No. 4,438. Decided April 14, 1941

[118 F.(2d) 919]

1. TRADE-MARK INTERFERENCE—PRIORITY.
The claim of Y and Co. to priority and registration of the trade-mark "Three Feathers" for distilled alcoholic beverages based upon title having been acquired by C, assignor to Y and Co., by virtue of C's relationship as salesman with the firm of H. and H. W. C *Held* untenable, since C never asserted or exercised any trade-mark right in said mark or showed any basis upon which to predicate ownership therein growing out of his relationship with said firm before the firm was dissolved.

2. SAME—SAME—ASSIGNMENT.
The claim of Y and Co. to priority and registration of the trade-mark "Three Feathers" for distilled alcoholic beverages based upon an alleged assignment of the naked trade-mark by the executors of the deceased members of the firm of H. and H. W. C to C, assignor to Y and Co., *Held* untenable, since that firm definitely abandoned said trade-mark and terminated the business with which it was connected, and there remained no business or mark to which any goodwill in a trade-mark sense could thereafter attach.

3. SAME—SAME—SAME.
"The law is well established that the right to use a trade-mark as against others cannot be acquired by the attempted transfer of the naked mark when disassociated with the business with which it is used."

4. SAME—SAME—NON-USE DURING PROHIBITION.
The record showing a definite abandonment of the mark, without regard to prohibition, the principle that non-use during the period of prohibition would not be regarded as evidence of abandonment is not involved.

5. SAME—SAME—"THREE FEATHERS."
Record reviewed and *Held* that O D, Inc. properly was entitled to registration of the trade-mark "Three Feathers" for distilled alcoholic beverages, since it had shown prior ownership and use.

APPEAL from Patent Office. Affirmed.

Messrs. Mason, Fenwick and Lawrence for Corr (J. C. Yochim & Co., Inc., assignee substituted).

Messrs. Caesar and Rivise (*Mr. A. D. Caesar* and *Mr. Charles W. Rivise* of counsel) for Oldetyme Distillers, Inc.

BLAND, *J.:*

The instant appeal is from a decision of the Commissioner of Patents, reversing a decision of the Examiner of Trade-Mark Interferences who had held in a trade-mark interference proceeding that the appellee, Oldetyme Distillers, Inc. (hereinafter called Oldetyme), the senior party, was not the owner of the mark involved and not entitled to registration of the same, and that the junior party John Laoghaire Corr (J. C. Yochim & Co., Inc., assignee substituted) (hereinafter called Corr and Yochim, respectively), was entitled to registration of the involved mark.

Although the interference as now constituted is between a single application of Yochim to register the words "Three Feathers" associated with a pictorial representation of three feathers, and five applications of Oldetyme to register the words "Three Feathers," the word "Feathers," a pictorial representation of three feathers, the words "Three Feathers" associated with a pictorial representation of three feathers, and the words "Three Feathers" associated with a shield design, respectively, all being used on distilled alcoholic beverages such as whiskey and gin, the issue is referred to by both parties and the tribunals below as involving but one mark, "Three Feathers," and we shall hereinafter so refer to it.

When the interference was originally set up, Corr was the junior party, having filed two applications, each of which was for the registration of a "Three Feathers" mark, on May 27, 1935, slightly more than two months subsequent to the earliest filing date of the senior party Oldetyme. Corr filed a motion to dissolve on the ground that at the time of filing his two applications in controversy he was not using his mark in interstate commerce. After the motion of Yochim to be substituted in place of Corr had been granted, the interference was dissolved as to Corr's said applications on the ground that no valid registration could issue on them because of Corr's admission that he had not used, in interstate commerce, the trade-mark sought to be registered. The interference proceeded on the application of Yochim which was filed on July 21, 1936, which was 16 months after the earliest filing date of Oldetyme—March 20, 1935. Since the burden rested on the junior party, Yochim, to prove its right to priority and registration, it proceeded to take testimony, and subsequent thereto Oldetyme also took testimony.

As before stated, the Examiner of Interferences rendered a decision in favor of the junior party, and upon appeal to the Commissioner the decision was reversed, and in the instant appeal appellant seeks a reversal of the Commissioner's decision.

At one time, each party, by showing transfers or attempted transfers, sought to trace its chain of title to the original owner and user of the mark, H. & H. W. Catherwood of Philadelphia, a firm consisting of Wilson Catherwood and Magnus H. Brown. In this court, Oldetyme does not contend that it has successfully proved a chain of title to the involved mark back to the said H. & H. W. Catherwood firm, but relies entirely upon ownership and use by it and its immediate predecessor, while Yochim attempts to antedate the said date relied upon by Oldetyme by proving a chain of title to the mark running back to a date prior to any established date to which Oldetyme is entitled.

We think, in view of our conclusion and in order that the facts of record relating to the proof of

Yochim may be more readily understood, that it will be advantageous to first state the facts upon which Yochim predicates its claim of priority. It will be remembered that Corr originally filed applications for registration of the mark on May 27, 1935, at which time he had not made use of the same in interstate commerce, and the record discloses that he at no time made any use of the mark in interstate commerce. Corr was, however, for seventeen years prior to the date national prohibition went into effect (January 16, 1920) engaged as a salesman for "Three Feathers" whiskey, being for a portion of that time in the employ of J. C. Campbell, who was the agent of the H. & H. W. Catherwood firm. Said agency handled sales in the city of New Orleans and vicinity. Campbell died in December, 1915, and Corr took charge of the territory, where he remained in such charge until December, 1918, at which time the business of H. & H. W. Catherwood was discontinued, which discontinuance will be more particularly referred to hereinafter. The record does not disclose that Corr, while acting as said agent of the said Catherwood firm, ever claimed or asserted title to the trade-mark use, or ownership of the business with which he was connected.

The record shows that as early as 1900 the said Catherwood firm was a partnership composed of Wilson Catherwood and Magnus H. Brown; that Brown died in 1922 and Catherwood died in 1925. The Corn Exchange National Bank and Trust Company of Philadelphia was the executor of the estate of Wilson Catherwood, and Winifred A. Brown and Francis H. Shields were executors of the estate of Magnus H. Brown. The trade-mark "Three Feathers" was registered in the Patent Office by said Catherwood firm under certificates of registration Nos. 38,540 and 60,829, dated January 2, 1906, and February 19, 1907, respectively, which certificates expired on January 2, 1926, and February 19, 1927, respectively, and were not renewed.

The record further shows that in November, 1918, more than fourteen months prior to the advent of national prohibition, the Catherwood firm notified Corr, who was the New Orleans representative, as aforesaid, not to accept any orders for "Three Feathers" whiskey for delivery after December 31, 1918. The said notification also stated that the firm had only sufficient "Three Feathers" whiskey on hand to last for sixty days after January 1, 1919, in the home territory. After Corr had received the notification in November, 1918, not to accept orders for delivery after December 31, 1918, he sent the Catherwood firm an order for fifty cases of "Three Feathers" whiskey accompanyied by a certified check. The check was returned with the statement that the order could not be filled due to the fact that the supply of "Three Feathers" whiskey had been exhausted.

About one year prior to the advent of prohibition the Catherwood firm dispensed with the services of its manager, Paul Shuman. It gave him a letter of recommendation in which it was stated that "Due to our retiring from business we are compelled to dispense with his services."

The Catherwood firm left its premises in Philadelphia soon after January 31, 1919, and in the early part of that month it addressed a circular letter, dated January 1, 1919, to each of its customers informing them that the firm intended to abandon its whiskey business. At that time, fifteen states had ratified the eighteenth amendment to the Constitution relating to prohibition. In the said letter of January 1, 1919, appeared the following:

> On and after January 1, 1919, we will discontinue our branch offices, and will have no representatives.
>
> Owing to the growth of prohibition legislation, and the impossibility of obtaining old whiskeys to keep up the high standard of our famous Three Feathers Whiskey Blend, we have decided when our present stock is exhausted to retire from business.
>
> It is with the utmost regret that we are forced to make this decision, and abandon a business which we have conducted continuously since 1811, a period of 108 years.

When the Catherwood firm left its premises in Philadelphia soon after January 31, 1919, the machinery and equipment, including tanks, were sold as junk or otherwise disposed of than for a continuance of an alcoholic beverage business. When the said circular letter was sent to the trade, the Catherwood firm had but $4,552 worth of whiskey on hand, only a part of which was "Three Feathers." Its manager, Shuman, purchased part of the whiskey from the firm which had discontinued its bottling operations in February, 1919, and the entire stock of whiskey was disposed of by the firm before it moved from the premises. The partnership between Wilson Catherwood and Magnus H. Brown was dissolved prior to January, 1920. The whiskey made by the said Catherwood firm was made in accordance with a formula which has always remained a secret.

Appellant's witness Paul Shuman, manager of the Catherwood firm, testified that the last blend of "Three Feathers" whiskey was made in the summer of 1918, and that the said Wilson Catherwood and Magnus H. Brown, members of the H. & H. W. Catherwood firm, refused to dispose of the right to bottle "Three Feathers" whiskey or transfer the trade-mark; that in so refusing they wanted the formula and the "brand name" to die with them. At any rate they expressed the opinion that they preferred

> "either to wait until the termination of prohibition which at that time seemed in the indefinite future, or otherwise to permit the trade name to die with the business, their intention being to prevent its use by anyone other than themselves."

That neither of the members of the firm ever again reentered the whiskey business is undisputed.

On January 15, 1935, Corr inquired in a letter to Edgar W. Freeman, vice president and trust officer of the Corn Exchange National Bank and Trust Company of Philadelphia, executor of the estate of Wilson Catherwood, whether appellee Oldetyme had purchased the right of the Catherwood estate in the "Three Feathers" mark. Freeman, at the time, according to the testimony, knew that Oldetyme was selling whiskey under said mark. About this time, Corr offered to purchase said mark from the Catherwood and Brown estates, and on January 22, 1936, Freeman wrote Corr as follows:

> I have your letter of January 15 with further reference to the "Three Feathers" brand. For the past several months I have been discussing this question with Francis H. Shields, Esq., executor of the Estates of Magnus H. Brown, and with Mr. Hampton Todd, our counsel in the Catherwood estate. Mr. Shields has also consulted his counsel. As a result of these various discussions there still seems to be some doubt just what interest in "Three Feathers" brand the two estates have to sell. We have agreed, however, to sell whatever right in this brand the two estates have for $1500 payable $500 down and the balance payable upon execution and delivery of the transfer papers. It is to be clearly understood, however, that we are selling only whatever right, title and interest in the brand the two estates have and we cannot guarantee that this will give the purchaser the exclusive right to the use of the brand.

On April 20, 1935, about a month before filing his applications, Corr took a quitclaim conveyance from the said estates of Catherwood and Brown to the alleged title of the said mark. This instrument recited the fact that the partnership between Catherwood and Brown "was dissolved in January, 1920, and the business thereof liquidated." The said instrument made no mention of conveying any business or formula connected with the mark and especially specified that the sale was "without warranty of title or of authority to sell" and "without recourse to the grantors herein." The consideration pair by Corr was $1500.00, and the instrument included the said "Three Feathers" mark as well as ten other trade-marks.

After Corr received his quitclaim deed conveyance, executed on April 20, 1935, he did nothing in the way of selling alcoholic beverages under any "Three Feathers" trade-mark, but on May 27, 1935, as aforesaid, filed his two applications hereinbefore referred to. Corr was never in the liquor business except as a salesman. His inactivity in connection with the use of the said mark continued, and no further steps were taken until on April 6, 1936, when he by assignment attempted to transfer said mark to Yochim.

The record shows that Yochim made its first shipment of "Three Feathers" whiskey on July 5, 1936, and filed its trade-mark application as aforesaid on July 21, 1936.

On October 12, 1936, Corr executed another instrument purporting to convey to Yochim his said two applications for registration of the mark and "the goodwill of the business in connection with which said trade-marks are used." These were the applications dissolved out of the interference by reason of Corr's affidavit dated August 22, 1936, stating that he had not used the mark in interstate commerce.

Appellant's record discloses that "Three Feathers" whiskey was first shipped in interstate commerce by Yochim on July 5, 1936, but it does not disclose that any money was spent in the way of advertising the goods or that any great amount of whiskey was ever sold under the "Three Feathers" trade-mark. Yochim in its brief states that Corr offers as an excuse for not having been engaged earlier in advertising and selling "Three Feathers" whiskey the difficulty in obtaining eastern rye whiskey of suitable age and quality for blending and selling under the well-known "Three Feathers" mark.

As before stated, the appellee, Oldetyme, at one time relied on a chain of title running back to the originators of the mark, but in this court relies only upon the use and ownership of the "Three Feathers" trade-mark after the repeal of prohibition.

It appears from the record that one Samuel Reiter, of New Jersey, claiming to be the successor of H. & H. W. Catherwood, started to bottle and sell whiskey on his own account under the "Three Feathers" trade-mark to some extent before the advent of prohibition, and that the advent of prohibition made it impossible for him to continue said business; that immediately upon repeal of prohibition, December 5, 1933, said Samuel Reiter began preparations to go back into the whiskey business using the "Three Feathers" trade-mark which he had used prior to prohibition. He at that time formed a corporation (Gallagher & Burton, Inc., later changed to Patterson & Coane, Inc.). In the spring of 1934 he assigned to Patterson & Coane, Inc., his alleged "Three Feathers" trade-mark, and the business and goodwill connected therewith. Later that year, Patterson & Coane, Inc., arranged for Coe Distributors, Inc., to use the said trade-mark, and assigned to it the mark and goodwill of the whiskey business thereto appertaining, the contract being on a royalty basis and such sales being restricted to certain territory.

Coe Distributors, Inc., contracted with Oldetyme for the latter to bottle "Three Feathers" whiskey for both parties—Coe Distributors, Inc., and Patterson & Coane, Inc. Oldetyme made the first shipment of "Three Feathers" whiskey to Coe Distributors, Inc., and Patterson & Coane, Inc., about May 10, 1934, and shipments continued to be made to these parties until November, 1934. On November 23, 1934, Oldetyme and Coe Distributors, Inc., contracted for Oldetyme to take over the contract of Coe Distributors, Inc., with Patterson & Coane, Inc.

Oldetyme and its immediate predecessors had, prior to March 20, 1935—its earliest filing date—built up a valuable business and goodwill in "Three Feathers" whiskey throughout the United States, including Corr's home city, New Orleans. In the period from May 10, 1934, to December 31, 1934, appellee and its immediate predecessors had sold 15,725 cases of "Three Feathers" whiskey. Corr on January 15, 1935, had knowledge of appellee's selling "Three Feathers" whiskey.

[1] [2] As to Yochim's claim to priority based upon title being acquired by Corr's early relationship as salesman with the Catherwood firm, or by the alleged assignment of the naked trade-mark by the executors of the deceased members of the Catherwood firm, we think it is clear that such claims are untenable. Corr never asserted or exercised any trade-mark right in the mark involved, or showed any basis upon which to predicate owner-

ship therein growing out of his relationship with the Catherwood firm before the firm was dissolved. The "Three Feathers" trade-mark was definitely abandoned and the business with which it was connected was terminated. There remained no business or mark to which any goodwill in a trade-mark sense could thereafter attach. The fact that the memory of the good qualities of "Three Feathers" whiskey would be recalled long after the mark and the "Three Feathers" business had been abandoned, and thus add to the value of the mark when again used, does not change the situation. The estates of Catherwood and Brown passed no valid title in the involved trade-mark to Corr by the quitclaim conveyance, for the reason that there was no such valid trade-mark in existence. From the record it appears that this fact was well understood by the executors of the respective estates, and the instrument purporting to quitclaim any right they might have in the marks, as far as the issue here is concerned, was a nullity.

[3] Appellant's contention that the goodwill survived, irrespective of the said abandonment of the business and the marks is without merit. The law is well established that the right to use a trade-mark as against others cannot be acquired by the attempted transfer of the naked mark when disassociated with the business with which it is used. *United States Ozone Co.* v. *United States Ozone Co. of America*, 19 C. C. P. A. (Patents) 1256, 58 F.(2d) 1051, 424 O. G. 3; *Brewster-Ideal Chocolate Co.* v. *Dairy Maid Confectionery Co.*, 20 C. C. P. A. (Patents) 848, 62 F.(2d) 844, 430 O. G. 1275; *Kelly Liquor Company* v. *National Brokerage Company, Inc.* [*etc.*], 26 C. C. P. A. (Patents) 1110, 102 F.(2d) 857, 507 O. G. 11; *Mayer Fertilizer & Junk Company* v. *Virginia-Carolina Chemical Company*, 35 App. D. C. 425, 156 O. G. 539; *Macmahan Pharmacal Co.* v. *Denver Chemical Mfg. Co.*, 113 Fed. 468; *Kidd* v. *Johnson*, 100 U. S. 617.

We have carefully considered the authorities cited by appellant on this phase of the law, and find them not to be in point.

Yochim cannot rely, as proof of title in it, upon the attempted assignment of the mark to it by Corr. Corr had nothing to assign. Yochim's earliest interstate use of the "Three Feathers" mark is definitely shown to be on July 5, 1936. This was long after the appellee and its immediate predecessors had used the mark in interstate commerce and had established a thriving business in the sale of "Three Feathers" whiskey.

Yochim presents the argument that it has traced its title through the members of the Catherwood firm, which firm was deprived of the use of its mark by the advent of prohibition, and that since that barrier was removed, it and its predecessor Corr did all that was necessary to do to reclaim and reestablish the trade-mark which had not been abandoned. The evidence shows that the Catherwood firm closed its business, abandoned its mark, refused to sell its formula or the goodwill of the business before prohibition made such action necessary, and that the members of the firm after it was dissolved never attempted to reenter the business and at no time ever evidenced any intention of again making or selling "Three Feathers" whiskey.

The record definitely discloses that for a number of months after prohibition was repealed, Corr made no effort to exercise his said alleged right of ownership of said mark and made no attempt to acquire, through the executors of the Catherwood and Brown estates, any interest they might have in said trade-mark until after he was advised that the appellee's predecessors were using the said "Three Feathers" mark in interstate commerce.

[4] As we see it, the principle of law announced in several cases, such as *Kelly Liquor Company* v. *National Brokerage Company, Inc.* [*etc.*], supra, that non-use during the period of prohibition would not be regarded as evidence of abandonment, is not involved in the instant appeal. Without regard to prohibition, the record before us shows a definite abandonment of the mark.

[5] We think the Commissioner, in a very clear decision, arrived at the right conclusion, and properly held that, upon the instant record, the appellee had shown prior ownership and use of the involved mark and a right to registration of the same, and that appellant was not entitled to the registration applied for.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

JACKSON, *J.*, concurs in the conclusion.

U. S. Court of Customs and Patent Appeals

IN RE GREIDER ET AL.

No. 4,431. Decided April 14, 1941

[118 F.(2d) 906]

PATENTABILITY—NON-BLOOMING CEMENTITIOUS PRODUCTS AND METHOD OF MAKING.

Claims to non-blooming cementitious products and method of making the same *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. George W. Mills, Jr., (*Mr. Albert F. Robinson* of counsel) for Greider et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (4, 6, 10, 13, 15, and 20 to 23, inclusive) in appellants' application for a patent for an alleged invention relating to improvements in "Non-Blooming Cementitious Products and Method of Making Same."

Claims 4, 6, 10, 13, and 15 are method claims, and claims 20 to 23, inclusive, are article claims. Claims 4 and 15 are illustrative of the method claims, and claim 20 is illustrative of the article claims. They read:

4. A method for fabricating indurated hydraulic cementitious products to prevent blooming consisting of forming a mass of hydraulic cementitious material into sheets, permitting the sheets to attain final set and the mass to form hydrated lime and thereafter treating them with an aqueous solution containing a water-soluble substance that reacts with said hydrated lime to prevent blooming.

15. A method for treating preformed hydraulic cementitious products to prevent blooming consisting of forming hydraulic cementitious material from Portland cement and asbestos fiber, with only minor proportions of other materials, into the desired product, treating said product after it has attained final set with an aqueous solution substantially of the character of ammonium carbonate, and substantially drying the surfaces of said product.

20. An article prepared in accordance with the method of claim 4.

The references are: White, 1,824,854, September 29, 1931; Triggs (British), 371,522, April 28, 1932.

It appears from appellants' application that unless hydraulic cementitious products, such as cement asbestos roofing shingles, are treated with "gases containing carbon dioxide," which is an expensive and otherwise unsatisfactory process, or with a chemical solution which will react with hydrated lime, which exists in substantial quantities in "hydrated cement," to form an insoluble compound, such products become discolored owing to the fact that a portion of the hydrated lime is "dissolved and caused to be diffused slowly to the surface" as a result of exposure to moisture. This discoloration is referred to in appellants' application as "bloom," "bleeding," "efflorescence," or "laitance," and the purpose of appellants' process, as defined in the appealed claims, is to prevent such discoloration. It is stated in appellants' application that in

"some of these previous attempts to prevent discoloration *the treatment* [with an aqueous solution, such as used by appellants and disclosed in the patent to White] *has been applied before setting of the cement, thereby not only impairing setting of the cement composition to a properly hard, dense character, but rendering such treatment ineffective because of unsuitable conditions prevailing at the time it is applied*" [italics ours];

that appellants' process, which is accurately defined in the appealed claims, consists in treating hydraulic cementitious products after they have attained "final set" with an aqueous solution containing a water-soluble substance, such as ammonium carbonate (set forth in appealed claim 15, the only claim in which any particular chemical solution is specified), which reacts with hydrated lime to form an insoluble compound thereby preventing "bloom"; and that by appellants' process the expensive and unsatisfactory method of treating such products with "gases containing carbon dioxide" and the difficulties hereinbefore set forth attending the treating of such products with an aqueous solution containing a water-soluble substance, such as ammonium carbonate, before the cementitious products have attained "final set" are eliminated.

The patent to White relates to a method of treating building materials, composed wholly or partly of cement, for the purpose of preventing "bloom" or "laitance." In the patentee's process, the cementitious articles are treated with ammonium carbonate, ammonium bicarbonate, and other named substances which, it is stated, react with the lime to form a substantially insoluble compound. The patentee states in his application that the ammonium carbonate may be mixed with the cement, and that—

Precaution should be taken to provide that the ammonium carbonate is equally distributed so far as practical conditions will allow throughout the whole of the concrete mass and that local excesses of ammonium carbonate are not allowed to exist more than momentarily. In practice this condition can be satisfied by thoroughly incorporating the bulk of the gauging water with the cement, leaving the addition of ammonium carbonate in the form of a saturated solution to the end, mixing it in rapidly and efficiently.

In the case of cement and ammonium carbonate mixtures containing high proportions of ammonium carbonate, *the first set normally occurs within a few minutes* and if this first set be disturbed or the mixture is not applied sufficiently quickly it may fail to set. If undisturbed the mass sets and becomes hard during the course of a few days. [Italics ours.]

In Example 3 of his patent, the patentee states:

Concrete which has been recently made, and *preferably in the condition of its first set*, is treated with a saturated solution of *ammonium carbonate* applied by any suitable means and *worked in rapidly with a brush*. [Italics ours.]

The patent to Triggs discloses a process of "cold glazing cement asbestos plates." The patentee states that cement paste, "which is smooth and polished in turn by means of hot irons or rollers," is applied to freshly made cement asbestos plates in successive layers for the purpose of providing a harder surface which will better withstand atmospheric conditions, and that

"After the coating has hardened, the plate is immersed in an atmosphere of carbon dioxide, whereby its hardness is much increased and efflorescence [bloom] is wholly obviated. If the facing is to be highly acid-resisting, * * * the surface of the cement coating may be treated with a solution of fluosilicate."

Claims 1, 2, and 3 of the Triggs reference were referred to in the decision of the Primary Examiner as being pertinent to the issues here presented. They read:

1. A process for cold glazing cement-asbestos plates consisting in *applying on the freshly made, and still damp plates*, successive layers of cement paste each of which is smoothed and polished in turn, by means of hot irons or rollers. [Italics ours.]

2. A process as claimed in claim 1, in which the plates *are treated with carbon dioxide after having been polished and having hardened*. [Italics ours.]

3. A process as claimed in claims 1 or 2, in which the plates are treated with a solution of alkaline fluosilicate.

The appealed claims were rejected by the Primary Examiner on the patent to Triggs in view of the patent to White, the Examiner stating:

Triggs states that his surface treatment "preferably" follows the gas treatment * * *, which is to say that it not necessarily follows the gas treatment. In his claim 1 he describes the making of his asbestos plates, the final set clearly taking place.

In his claim 3 he recites a surface treatment of alkaline fluosilicate which may follow the process recited in claim 1 or the process recited in claim 2, claim 2 reciting the gas treatment. Under this unambiguous language the plates made and fully set (claim 1) could be immediately surface treated with an alkaline fluosilicate according to claim 3, omitting the gas treatment recited in claim 2. To substitute ammonium carbonate [disclosed in the patent to White] for the alkaline fluosilicate would not amount to invention in view of White.

The Examiner further rejected the appealed claims on the patent to White in view of the patent to Triggs, stating that

"While White states that his surface treatment is done when the concrete is 'preferably' in the condition of its first set [Example 3, hereinbefore quoted], it is merely a matter of preference and it is reiterated that it is not seen that it would amount to invention to delay the surface treatment until the concrete is finally set in light of the teaching of Triggs who clearly discloses the surface treatment of a similar product after the final set has taken place."

In affirming the decision of the Primary Examiner,

the Board of Appeals in its original decision, among other things, said:

The action of ammonium carbonate upon hydraulic lime is old and well known as disclosed by the patent to White and in this patent the treatment is also for the purpose of preventing laitance. In the patented process the ammonium salt may be mixed with the cement as it is being prepared. Appellants contend that the patent indicates that great care must be used in the preparation, for otherwise it will interfere with the setting of the cement and thus produce an inferior article. However, it is noted that in Example 3, the ammonium carbonate *is not applied until after the condition of first set has been obtained.* It is well known that cement does not set immediately after it has once been prepared, but the first set is quite rapid and covers the major portion of the setting process. The final set is quite slow and may extend over months. In view of this Example 3 it is apparent that the patentee realized the benefits to be obtained by applying the ammonium carbonate *after the major portion of the setting had taken place.* [Italics ours.]

The Board apparently did not deem it necessary to rely upon the patent to Triggs, although there is nothing in its decision to indicate that it did not consider the disclosure in that patent as pertinent art. The Board concluded its decision with the following statement:

We are of opinion that the appealed claims are substantially anticipated by the disclosure in the patent to White. This latter patent shows that the problem of preventing bloom or laitance in cement articles was fully understood and that the patentee attempted to prevent the same with exactly the same material as set forth in the appealed claims. The only feature not found in this patent is the time at which the solution of ammonium carbonate is to be applied. There appears to be no patentable difference between the Example 3 of the patent and that claimed.

In their request to the Board of Appeals for a reconsideration of its decision, counsel for appellants stated, among other things, that the patentee White did not suggest that the ammonium carbonate might be applied to cementitious material "after the condition of first set has been obtained," but that, on the contrary, his disclosure required that the ammonium carbonate be applied to the material "in the condition of its first set" as set forth in the patentee's Example 3, hereinbefore quoted. Counsel further stated that

"The first or initial set is that process of crystallization or hardening which begins from the moment water is added to cement until the paste ceases to be fluid and plastic but is not so hard that it can not be indented in a needle test. When the degree of hardness is reached such that the cement can not be indented in a needle test, it has reached a final or hard set."

In support of that statement, counsel cited

"Page 61 of 'A Hand-Book for Cement Users' by Charles C. Brown, published by Municipal Engineering Co. of New York in 1905. (3 Ed.)"

In its decision on the request for reconsideration, the Board of Appeals adhered to the views expressed in its original decision and again held that there was no patentable distinction between the disclosure in Example 3 of the patent to White and the method defined in the appealed claims.

Much of the brief of counsel for appellants is devoted to a discussion of the disclosure in the White patent, it being contended by counsel that the patentee neither discloses nor suggests the application of ammonium carbonate to cementitious products "after the condition of first set has been obtained"; that the statements contained in the patentee's Example 3, when considered in connection with the other portions of his application, should be construed to mean that the ammonium carbonate is applied to cementitious products before, not after they have reached the condition of "first set"; that in appellants' process, as defined by the appealed claims, the ammonium carbonate is not applied to cementitious products until after they have attained final set, which, according to appellants' specification, occurs in "about six (6) hours at normal temperature"; and that, therefore, the disclosure in the patent to White is not an anticipation of the invention defined in the appealed claims.

It is also stated in appellants' application that, although cementitious products attained final set at normal temperature in about six hours, it is preferable that such products be permitted to stand for a period of about twenty-four hours before the ammonium carbonate is applied, and that cement asbestos roofing shingles, one of the products to which appellants' process is particularly adapted, may attain final set in from about eight to forty-eight hours. It is apparent, therefore, that, according to appellants' application, the cementitious products are permitted to stand for from six to forty-eight hours before the ammonium carbonate is applied.

Counsel for appellants argue that when ammonium carbonate is mixed with cement materials, or is applied to articles made from cement before the cement has attained final set, the "setting" thereof may be interfered with, and that the patentee White recognized that fact.

It is also argued by counsel for appellants that, "except [that] there is the reverse situation," the issues here involved are "almost identical with those" involved in the case of *Barber Asphalt Corp.* v. *La Fera Grecco Contracting Co.*, 30 F. Supp. 497, 44 U. S. P. Q. 58, wherein it was held by the district court, on the authority of the decision of the Circuit Court of Appeals for the Third Circuit in the case of *Barber Asphalt Co.* v. *Stulz-Sickles Co.*, 89 F.(2d) 960, 962, 33 U. S. P. Q. 261, that the method of preventing the evaporation of water from the surface of freshly laid concrete by spraying a bituminous emulsion upon such surface before the concrete had set as defined in the claims of Patent No. 1,684,671, issued September 18, 1928, to Harold P. Hayden, involved invention. In comparing the issues in that case with those in the instant case, counsel state that

"Here appellant's treating material is applied after the concrete is finally set whereas the references apply it before or in the condition of the first set. There Hayden coated the concrete before set, and the references coated it afterwards. The reference here fails as an anticipation to the same extent that the references failed [in the *Barber Asphalt Corp.* v. *La Fera Grecco Contracting Co.* case, supra,] to anticipate the Hayden process."

Any force that that argument might have had has been dissipated by the decision of the Circuit Court of Appeals for the Third Circuit overruling its former decision in the case of *Barber Asphalt Co.* v. *Stulz-Sickles Co.*, supra, reversing the judgment of the district court in the case of *Barber Asphalt Corp.* v. *La Fera Grecco Contracting Co.*, supra, and holding that the method defined in the claims of the Hayden patent, No. 1,684,671, did not involve invention in view of the prior art and that the patent was invalid. See *Barber Asphalt Corp.* v. *La Fera Grecco Contracting Co.*, 116 F.(2d) 211, 47 U. S. P. Q. 367.

It will be observed that in its original decision in the instant case the Board of Appeals stated that the process defined in the appealed claims was "substantially anticipated by the disclosure in the patent to White," and that there was no "patentable difference between" the White disclosure and the process defined in the appealed claims. The Board adhered to those views in its decision on appellants' request for reconsideration. It did not hold that every element in the appealed claims was disclosed in the patent to White.

Obviously, the White patent does not expressly disclose the idea of applying ammonium carbonate or its equivalent to cementitious products after such products have attained final set. The patentee does explain, however, the difficulties attending the mixing of a solution of ammonium carbonate with cementitious materials or applying such a solution to such materials "in the condition of the first set," and the desirability of avoiding disturbance of the mass during its first set, it being stated in the patent that if the cementitious mass is disturbed during the period of its first set "it may fail to set" properly.

It is stated in the brief of counsel for appellants that

"The elimination of the lime by solution tends to make the concrete porous and impair its strength. This is recognized by White and the above publication ['A Hand-Book for Cement Users']."

Just what is meant by the statement "The elimination of the lime by solution," as applied to the issues in the instant case, we are unable to understand. We find nothing either in the patent to White or in the publication hereinbefore referred to ("A Hand-Book for Cement Users" which was published in 1905, twenty-six years before the White patent issued and thirty-one years before appellants' application was filed) which teaches anything about the elimination of lime in cement by the mixing therewith, or the application thereto, of ammonium carbonate. However, the publication does emphasize the fact that lime should be thoroughly hydrated.

With reference to "efflorescence," on page 204 of the publication, it is stated:

If there is *too little water* in the concrete when it is deposited, complete combination does not occur in the cement, the concrete is likely to be somewhat porous and subsequent moisture from any source has an opportunity to bring the soluble substances mentioned to the surface. When *too much water* is used it may separate the lime from the other ingredients in the cement to some extent and when it evaporates it leaves the concrete somewhat porous and brings soluble matters to the surface. [Italics ours.]

Obviously, the patent to White must be considered in the light of the teaching in that publication.

It is further stated in the brief of counsel that

"Appellants have pointed out, and it is clearly apparent from their description of the invention, that *by delaying the treatment until after final set there is no elimination of the lime being formed in the first and final setting of the cement,* and therefore no impairment of the first and final set." [Italics ours.]

We find no teaching in appellants' application that

"by delaying the treatment until after final set there is no elimination of the lime being formed in the first and final setting of the cement, and therefore no impairment of the first and final set."

It is also stated in the brief of counsel that appellants

"want the hydrated lime to be formed when their treatment is applied, and *it is formed after the final set.*" [Italics ours.]

Apparently the thought intended to be conveyed to this court by that statement is that, in the process of hydration, hydrated lime is not formed in the cementitious material until "after the final set," and that if an aqueous solution of ammonium carbonate is mixed with such cementitious material, or is applied thereto "in the condition of its first set," the hydrated lime is prevented from being formed. No such teaching is contained in appellants' application, nor is any authority cited in support of that statement.

So far as the teaching in appellants' application is concerned, all of the difficulties attending the mixing of ammonium carbonate with cementitious materials or the application thereof to such materials in the condition of their first set were either expressly set forth in the patent to White or would be obvious to one skilled in the art with that patent before him. So, the most that appellants did, so far as the record discloses, was to apply a chemical solution, such as an aqueous solution of ammonium carbonate, to cementitious material after the material had attained final set (not taught in the patent to White) and ascertain that such solution would react with hydrated lime (as taught by the White patent) to form an insoluble compound and thus prevent "bloom" or discoloration. There is nothing of record to indicate that any unexpected result was obtained by appellants' process.

We are of opinion, therefore, that, in view of the fact that the patentee White teaches that the application of ammonium carbonate to a cementitious product "in the condition of its first set" will react with hydrated lime, which is readily soluble in water, to form an insoluble compound and thus prevent subsequent "bloom" or discoloration, no invention was involved in applying the same kind of solution to the same kind of material after such material had attained final set and ascertaining that such solution would react with the hydrated lime in such material to form an insoluble compound and thus prevent "bloom" or discoloration.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Appeals for the District of Columbia

THE CARBORUNDUM COMPANY *v.* COE, COMMISSIONER OF PATENTS

No. 7,736. Decided June 23, 1941

[— F.(2d) —]

PATENTABILITY—ABRASIVE ARTICLE.

Claims to an abrasive article *Held* properly denied to appellant as failing to reveal anything which approaches the dignity of invention.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Albert Grobstein and *Mr. George E. Stebbins* for The Carborundum Company.

Mr. W. W. Cochran (*Mr. Edwin M. Thomas* of counsel) for the Commissioner of Patents.

Before GRONER, Chief Justice, and MILLER and VINSON, Associate Justices

PER CURIAM:

We are satisfied that the claims here involved fail to reveal anything which approaches the dignity of invention. The judgment of the district court is, therefore,

Affirmed.

U. S. Court of Appeals for the District of Columbia

CAWOOD *v.* COE, COMMISSIONER OF PATENTS

No. 7,750. Decided June 30, 1941

[— F.(2d) —]

PATENTABILITY—BALL MILLS.

Claims relating to gradual, integral undulations on the inside of the wall of a ball mill *Held* properly denied to appellant as lacking invention over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Vernon E. Hodges and *Mr. Richard L. Cawood*, pro se, (*Mr. H. Hamlin Hodges* with them on the brief) for Cawood.

Mr. W. W. Cochran (*Mr. H. S. Mackey* of counsel) for the Commissioner of Patents.

Before MILLER, VINSON, and EDGERTON, Associate Justices

PER CURIAM:

This is a suit to obtain a patent on an improvement in ball mills for grinding or "dispersing" paint, ink products, etc. The claims relate to "streamlined enlargements" or gradual undulations on the inside of, and integral with, the wall of the mill. We think the Patent Office and the district court were clearly right in finding that the claims lack invention over the prior art.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SAURER, DECEASED, BY ROSINA SAURER-HEGNER AND ANITA ELISABETH SAURER, SOLE HEIRS

No. 4,424. Decided March 31, 1941

[— F.(2d) —]

1. PATENTABILITY—EFFECTIVENESS OF REFERENCE.

Where a cited British patent published less than two years prior to the filing of the application on appeal reveals the name of the patentee to be "Societe Anonyme Adolphe Saurer, whose alternative name is Aktiengesellschaft Adolph Saurer," it would require additional evidence to establish that said British patent was in fact a publication of an invention of Hippolyt Saurer in whose name the application on appeal was filed, and so said British patent *Held* effective as a reference against the application.

2. SAME—METHOD OF FORMING AN EXPLOSIVE MIXTURE.

A claim to a method of forming the explosive mixture in a direct injection high speed internal combustion engine *Held* unpatentable as expressing no invention over the prior art.

APPEAL from Patent Office. Affirmed.

Messrs. Redding, Greeley and *O'Shea* (*Mr. William B. Greeley* and *Mr. Charles K. Davies, Jr.*, of counsel) for Saurer.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner rejecting, in view of the prior art, claim 6, the only claim, of an application for a patent for improvement in the method of and apparatus for forming the explosive mixture in direct injection high speed internal combustion engines.

The claim reads as follows:

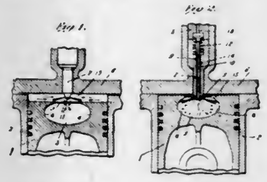
6. The method of forming the explosive mixture in a self-igniting direct injection high speed internal combustion engine, in which the piston is provided in its head with a toroidal combustion chamber having a restricted opening, the method comprising compressing air between the piston and the cylinder head and forcing it towards the opening in the piston head, injecting a quantity of fuel into the cylinder over the top of the piston as the piston approaches the head of the cylinder to form a partly mixed fuel combustion charge and reduce the ignition lag by the rapid heating of the fuel in the counter-current of hot air, continuing the fuel injection into the toroidal combustion chamber until the piston approaches the end of its compression stroke, compressing the partly mixed fuel charge and air between the piston and the cylinder head, and forcing the partly mixed charge into the toroidal combustion chamber to be completely mixed therein, the fuel being discharged from the nozzle at the beginning of injection in a relatively flat continuous veil across the inflow of air and continued in both the cylinder and the combustion chamber and impinging at the beginning of injection against the air as it flows over the piston head toward the restricted opening therein, and the partly mixed fuel charge and air above the piston head flowing over the piston head toward the restricted opening therein, entering the combustion chamber in the piston head crosswise to the flow of the fuel from the nozzle into the combustion chamber, and entering and whirling within the combustion chamber to complete the mixing of the fuel charge.

The references relied on are: French, 1,708,056, April 9, 1929; Saurer (British), 421,101, December 13, 1934; Saurer (British), 448,758, June 15, 1936.

In the words of the Examiner:

The alleged invention relates to a method of forming explosive mixtures in high-speed fuel injection internal combustion engines of the precombustion chamber type. The precombustion chamber is formed in the piston head in the form of a recess, with a restricted opening establishing communication between the precombustion chamber and the cylinder space or the main combustion chamber.

The drawings of the application reproduced below show the type of device in which the method of the appealed claim is carried out:



In the drawings the reference numerals are read as follows: Numeral 1 indicates the piston which travels in the cylinder 2; a precombustion chamber 3, called by the appellant because of its shape a toroidal combustion chamber, is in the head of the piston; this chamber communicates with the compression space between the piston and the cylinder head 6 through restricted opening 5; the fuel nozzle body 7 is retained in the cylinder head by a plug 8; the stem 10 of the mushroom fuel injection valve 11 is slidably within a central bore 9 of the nozzle body, the valve being held normally to its seat against the thin annular tip of the nozzle body by a spring 12; fuel enters through duct 13 into the chamber containing the spring thence through longitudinal grooves 14 in the stem 10 to the valve tip. The fuel injection nozzle 7 placed in line with the axis of opening 5 discharges a substantially flat disk-shaped fuel jet. In Fig. 1 the piston is shown in a position approaching the top dead center, but is not close enough to the cylinder head to permit the nozzle to enter the precombustion chamber 3. In Fig. 2 the piston is shown to have reached its highest position with the fuel injection nozzle 11 within the chamber 3.

As indicated by arrows in the drawings, as the piston rises on its compression stroke air is forced into the chamber 3 and is deflected by the walls of the chamber to create a whirling turbulence therein. Before the nozzle tip enters the opening of chamber 3, at a predetermined time, fuel injection is started and the fuel jet meets and mixes with the air in the main combustion chamber before it enters into chamber 3. This is shown in Fig. 1. As the compression stroke of the piston continues the nozzle tip enters the chamber 3 and the flat disk-shaped fuel jet so intimately mixes with the whirling air and fuel mixture in the chamber that complete combustion is said to occur during the time of the combustion process.

The object of appellant's alleged invention is to secure formerly unattainable reduction of ignition lag and unpredictable efficiency in fuel combustion. The manner in which this is said to be accomplished is contained in the following portion of the application:

* * * The fuel injected in the form of a relatively flat conical film or veil, produced by a film nozzle at the beginning of the injection and while the nozzle opening is still outside of the combustion chamber in the piston, that is, in the first part of the injection, meets the combustion air above the piston head in counter-flow, while in the second part of the injection, which takes place after the nozzle enters the combustion chamber, the fuel continues to be injected in the combustion chamber crosswise with respect to the air eddy, and thereby the shortest ignition lag is attained with complete combustion. Because of the high position of the injection orifice and the early commencement of injection required by high speed engines it follows that the injector during the initial stages of injection has not yet entered the combustion chamber provided in the piston head but sprays the fuel against the heated air as it flows over the piston head toward the central restricted opening. As the piston then approaches further toward the top dead center position, the nozzle enters the combustion chamber in the piston and sprays the fuel within the combustion chamber crosswise to the current of entering air and to the eddy formed within the chamber. By the operation of the engine in this manner, that is, with the injection beginning before the nozzle enters the combustion chamber and continuing after the nozzle has entered the combustion chamber, it becomes possible to attain smooth operation of the engine and completely smoke-free combustion, even in small spray injection engines.

The earlier British patent discloses a device substantially similar to that of the present application. In this patent a multi-jet tip in an atomizing nozzle is provided. The later British patent contains a drawing, Fig. 1, which is identical even to the reference numerals with Fig. 2 herein. This patent discloses a nozzle with a flat tip through which, while the engine is in operation, the fuel issues as a mist in the shape of a flat cone, thus plainly suggesting, if not actually providing for, a nozzle tip producing a flat "veil shape" fuel jet. Neither of the British patents shows a specific timing for the fuel injection.

The patent to French discloses an internal combustion engine comprising a precombustion chamber connected with the main combustion chamber by means of a restricted opening. The opening for fuel injection into the main combustion chamber or the precombustion chamber or both is coaxial with the fuel injection nozzle. The patent in part reads:

"More particularly, the invention consists in providing a cavity between a part of the piston and head into which the whole or part of the fuel is introduced during the compression stroke * * *."

With respect to the timing of the fuel injection, it is stated in the patent that

"The fuel injection is started slightly before or during the time the parts move into restricted communication and is continued during the remainder of the compression stroke * * *."

The patentee recognized the utility of early fuel charge injection at high speeds and teaches the beginning of the injection slightly before the nozzle enters the restricted opening.

The Primary Examiner rejected the involved claim as being unpatentable over the British patents and cited the French patent to illustrate that the advantage of early fuel injection was commonly known in high speed combustion engines.

The Board of Appeals, affirming the rejection by the Examiner, held that the timing or direction of the entrance of the fuel during the compression stroke of the piston, so that a part of the fuel enters the cavity between the piston and the cylinder head at the desired time, appeared to be well known in the art, as indicated by the patent to French, and that it would not involve invention to so time the parts in the operation of the structure of British patent, Serial No. 421,101.

[1] Appellants, in their brief, contend that the later British patent must be held to be an ineffective reference for the stated reason that it was published not more than two years prior to the date of the instant application. In support of this contention they cited a decision of the Board of Appeals in *Ex parte Powell and Davies*, 37 U. S. P. Q. 285, 489 O. G. 231. Appellants state

"In that case the Board of Appeals expressly held that rule 75, relied upon by the Examiner, was not 'intended to apply to a case where the publication appears, without question, to be a publication of the applicants' own invention,' which is the fact as to this Patent 448,758."

We cannot agree with this contention. An examination of the patent to Saurer, No. 448,758, reveals the name of the patentee to be "Societe Anonyme Adolphe Saurer, whose alternative name is Aktiengesellschaft Adolph Saurer." It would require additional evidence to establish that British Patent 448,758 was in fact a publication of an invention of Hippolyt Saurer who, it was stated in the application herein, was the inventor of the subject matter thereof.

Appellants state in their brief that the question here involved is as follows:

The one broad question now before this court is as to the patentability of this claim, that is, in other words, whether the method of forming the explosive mixture in a self-igniting direct injection high speed internal combustion engine involves, over the prior art relied on by the Examiner and by the Board of Appeals, the exercise of invention.

[2] In the British Patent 448,758 a method of operation is disclosed which, with the exception of showing specific timing of the injection, appears to be identical with the method recited in the rejected claim. We find nothing in the record here to oppose the statement of the Examiner that:

Patentee does not disclose the specific timing of injection with respect to the piston position on its compression stroke, the beginning of injection apparently taking place at the usual time—sometime prior to the top dead center position of the piston.

Therefore we assume as a fact that in the high internal combustion engine art the beginning of fuel injection usually takes place as was stated by the Examiner. This being so, we fail to see how the claim of appellants can be allowed over either of the British patents alone. The method of operation of the engines shown in these patents in their normal and usual functioning could not possibly differ in any respect from the method of the rejected claim except as to the alleged difference in the timing of the injection and possibly in the earlier British application by reason of the slight difference between the nozzle tip there and the nozzle tip disclosed herein.

The flat "continuous veil" of the claim is surely not different, at least in a patent sense, from the "mist in the shape of a flat cone" shown in the later British patent. The patentable novelty claimed because of the particular timing of fuel injection, we think, is disposed of by the Examiner who stated as follows:

• • • It is elementary in injection engine design to time the beginning of fuel injection with reference to such factors as crudeness of the fuel used, combustion chamber design, fuel atomization, fuel heating and vaporization, speed of engine, etc. It is also a notoriously old and common expedient in engine design to reduce the ignition lag by pre-conditioning of the fuel charge for combustion by such means as preheating of the fuel, atomization of the fuel, mixing by whirling of the air charge, early injection to insure sufficient period in crank angle duration for heating, vaporization and mixing, etc. It was held that to time the injection of Saurer's engines to begin prior to the entry of the nozzle tip into the restricted opening, insuring partial injection into the main combustion chamber, is nothing more than a feature of engine design devoid of any inventive concept, particularly in view of French.

In view of the references, we fail to see how invention is involved in the alleged new and advantageous results obtained by the timing of the fuel injection and the character thereof.

It is clear that the tribunals of the Patent Office have not erred in their holdings and therefore the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

PERKINS ET AL. *v.* ENGS ET AL.

No. 4,429. Decided April 14, 1941

[118 F.(2d) 924]

1. INTERFERENCE—PRIORITY—JOINT PARTY.

Where P and D filed a joint application and a joint preliminary statement supported by a joint oath, and took testimony as joint inventors, and nowhere acknowledged or recognized that they made a mistake in filing a joint application, the question of priority between said joint party P and D and the opposing joint party E and M must be determined from the beginning of the joint activities of P and D, and there was no error in refusing to consider any testimony of P and D as to acts prior to the time when their joint activities began.

2. SAME—SAME—INVENTION BY A THIRD PARTY.

In an interference involving a joint party P and D, and a joint party E and M, the issue of priority is between them as joint parties, and P and D can not overcome the prior date of E and M by proving that P, individually, was in effect the inventor.

3. SAME—SAME.

Evidence reviewed and *Held* that E and M, jointly the junior party, conceived prior to conception by the joint senior party P and D, and that E and M reduced to practice prior to reduction to practice by P and D jointly, and that priority properly was awarded to E and M.

APPEAL from Patent Office. Affirmed.

Mr. W. J. Willis (*Mr. E. P. Boynton* of counsel) for Perkins et al.

Mr. A. B. Bakalar for Engs et al.

JACKSON, *J.*:

This is an appeal in an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding priority of invention of the subject matter in issue to appellees.

The interference involves a joint application of appellants, Serial No. 532,678, filed April 24, 1931, and appellees' patent No. 2,007,159 which issued July 9, 1935, on an application, Serial No. 541,526, filed June 1, 1931.

Appellees are the junior party and the burden was upon them to establish priority of invention by a preponderance of the evidence.

The subject matter of the interference, as set out by the Examiner of Interferences,

"is a process for making polymers of tertiary base olefines, such as isobutylene, forming a part of the light hydrocarbon mixture produced by cracking of petroleum oils."

The counts read as follows:

1. Process for making polymers of tertiary-base olefines contained in hydrocarbon mixtures derived from the pyrolysis of mineral oil, which comprises treating said mixture in liquid phase with aqueous sulfuric acid under conditions of acid concentration and temperature adapted to absorb selectively the tertiary-base olefines in said mixture to form a tertiary alkyl sulfate liquor, separating the residue of said hydrocarbon mixture from the tertiary alkyl sulfate liquor, and thereafter treating said tertiary alkyl sulfate liquor to form polymers of the tertiary-base olefines.

2. Process for making polymers of isobutylene from mixtures containing butanes, butenes and isobutylene derived from the pyrolysis of mineral oil, which comprises treating said mixtures in liquid phase with about 45% to about 65% sulfuric acid at a temperature below 35° C. whereby substantially only isobutylene is absorbed to form a tertiary butyl sulfate liquor, separating the residue of said mixtures from the tertiary butyl sulfate liquor, and thereafter treating said tertiary butyl sulfate liquor to form polymers of isobutylene including diisobutylene.

The claims are modified claims of appellees' patent.

Appellants, in their preliminary statement, allege conception of the invention, disclosure of it to others and reduction to practice during or about May, 1929. They also allege the exercise of reasonable diligence in adapting and perfecting the invention from the same date.

It is alleged in the preliminary statement of appellees that the invention was conceived and disclosed to others on or about October, 1929, reduced to practice on or about November, 1929, and that the exercise of reasonable diligence in "adapting the invention" began about October, 1929.

Appellants moved to amend the interference by adding thereto another claim of appellees' patent, and appellees moved to dissolve the interference on the ground that appellants had not made a sufficient disclosure to support the counts.

The Primary Examiner granted the motion to dissolve and denied the motion to amend. Upon appeal by appellants, the Board of Appeals reversed the decision as to the motion to dissolve and affirmed the decision as to the motion to amend.

Both parties took testimony.

Apparently the Shell Development Company, assignee of appellees' patent, and the Carbide and Carbon Chemicals Corporation, employer of appellants, are the real parties in interest.

The Examiner of Interferences, after analyzing in considerable detail the records of the parties, awarded to appellees the dates of November 18, 1929, and at least as early as December 1, 1929, respectively, for conception of the invention and its reduction to practice. He awarded sometime in the latter part of November, 1929, to appellants as the date for conception of the invention in issue. He could not fix a more definite date, he states, "because of the vague and unsatisfactory character of the evidence with respect to specific dates." He said that he could not accept appellants' evidence as establishing a reduction of the invention to practice prior to December 13, 1929. He then held that appellees were the first to conceive the invention and the first to reduce it to practice.

The Board of Appeals pointed out that appellants made no contention before it as to the conclusions of the Examiner with respect to proof on the merits by appellees, but that appellants urged inter alia that they would have prevailed before the Examiner of Interferences if he had judged their testimony and proofs by the same concededly proper standards which he applied to that of appellees. The Board, affirming the conclusions of the Examiner, found that any alleged difference in the treatment of the records of the parties was "at most merely a matter of sufficiency of proof rather than difference in strictness of standard applied."

The questions involved in the appeal before us are stated in the brief of appellants as follows:

The sole issue raised by this appeal is that of priority of invention. This issue resolves itself into two inseparable questions. First, in the light of the evidence adduced by appellants, can an award of priority to the junior party—appellees—be justified? And second, do the facts proven on behalf of appellants warrant award of priority to this senior party? To decide both of these questions, it is necessary to consider the effect of work done by one of two joint applicants for patent on the dates of invention as between those joint applicants (or one of them) and another party.

It appears that the appellant Perkins, during the spring of 1929, began investigating the broad problem of the "separation and utilization of hydrocarbons obtained by the cracking of petroleum," and that, according to his testimony, in the latter part of May and June, 1929, he treated a five-carbon fraction "with various strengths of sulfuric acid and alcohols and polymers were obtained." It is admitted that appellant Davies was not associated with Perkins until the fall of 1929 and that Davies did no work on the involved invention until October of that year, after which date the appellants cooperated in their research.

The Examiner of Interferences gave no consideration to any testimony with respect to the work said to have been done prior to October, 1929, stating:

Certainly if the work of Perkins in the spring of 1929 were such that it satisfies the terms of the broad count 1, then the invention as defined therein can not possibly have been made jointly by Perkins and Davies but by Perkins alone. Count 2, however, differs from count 1 in material limitations, which are not found in any of Perkins' work prior to the entray of Davies, and accordingly it must be held that Perkins alone did not invent the subject matter of this specific count. No action has been taken by either Perkins or Davies or by their employer, Carbide and Carbon Chemicals Corporation, and apparently the real party in interest, to present a sole application claiming the invention defined in either count, or to convert the involved Perkins and Davies application to a sole application. Nor has Davies, expressly or impliedly, formally or otherwise, disclaimed the subject matter of either count. There is nothing in the testimony of either Perkins or Davies which gives rise to an inference that the invention of this interference was made by the one or the other independently.

Instead of attempting an explanation of the discrepancy between the dates set forth in the joint preliminary statement and the date at which the Carbide Company assigned the problem to Perkins and Davies jointly, it is sought to use this circumstance to the advantage of the Carbide Company herein without entailing the trouble and risks involved in substituting a sole application for the joint one here involved.

The Board agreed with the reasoning of the Examiner and said in its decision:

A moment's consideration of the nature of joint invention and joint applications as provided for by rule 28, we believe, leads to the very elementary conclusion that true joint inventions must be treated as a unitary and inseparable entity coming into existence only by the joint efforts and at the time such joint action of the parties occurred. In respect to dates of the joint invention obviously no consideration can be given to prior activity of either party alone. We believe the principle leading to this conclusion is sufficiently illustrated by the discussion in *Ex parte Benes*, 1925 C. D. 75, Commissioner's decision. Reference to rule 110 of the rules of practice as providing for "each party" presenting preliminary statements and to the actions in interferences is not relevant since obviously the expression does not relate to each party of a joint application but to the party of each application considered as one legal entity even in case of joint applications.

We find no error in the Examiner's conclusions refusing to give benefit of any activity by Perkins alone prior to October, 1929, when Davies appeared and began joint activity.

Appellants in their brief vigorously contend there is basic error in the decisions of the tribunals below in that it was held that no benefit could be given appellants for work done by Perkins alone prior to October, 1929. In support of their contention they cite the cases of *Briggs et al* v. *Kaisling*, 53 App. D. C. 49, 288 Fed. 254; *Bijur* v. *Kennington*, 51 App. D. C. 230, 278 Fed. 313; *In re Roberts*, 49 App. D. C. 250, 263 Fed. 636, 273 O. G. 410; *Robin* v. *Muller and Bonnet*, 110 O. G. 1429, 1904 C. D. 201; *Ritter* v. *Krakau and Conner*, 108 O. G. 1050, 1904 C. D. 44; and *Kohler* v. *Kohler and Chambers*, 43 O. G. 247, 1888 C. D. 19.

In the Briggs et al. case, supra, we find the following:

When, therefore, it became apparent to the Patent Office that Briggs and not Briggs and Jacobi was the real inventor of this issue, either the joint application

should have been amended or Briggs accorded the privilege of filing a sole application, *but he was denied either form of relief.* [Italics supplied.]

In the Bijur case, supra, the party Kennington filed a sole application for a patent urging that he was entitled to a certain prior date for reduction to practice because he and one McDermott had filed a joint application on that date for the invention there in issue. Prior to the date of filing the Kennington sole application the said joint application was held to be not allowable for the reason that Kennington was the sole inventor of the subject matter disclosed. The court held that Kennington was entitled to the date he claimed for constructive reduction to practice "on the theory that his application was an amendment of the joint one," and invoked the rule

"that 'an amendment relates back to the time of filing the original petition.' *Union Pacific R. Co. v. Wyler*, 158 U. S. 285, 15 Sup. Ct. 877, 882 (39 L. Ed. 983)."

The facts in the case of *In re Roberts*, supra, are set out in the decision of the court as follows:

On June 24, 1912, the present applicant and Park D. Roberts, his son, filed an application embracing, not only subject-matter to which they jointly contributed, but, as well, the subject-matter involved in the present application. An interference was declared between this joint application and a reissue application of Mr. F. A. Bruckman, and during the taking of testimony it developed that the son had nothing to do with the particular subject-matter of the present application. Thereupon priority as to this subject-matter was awarded Bruckman by the Patent Office on the ground that the Roberts were not joint inventors. Just when the final decision was made does not appear, but it does appear that the present application was filed in October of 1917, as a continuation of the former joint application.

and the question to be decided was whether in a case where the joint application had been filed through mistake or inadvertence and without fraudulent intent, the sole inventor, one of the joint applicants, is estopped from taking any advantage of that application. The court, in its decision, stated:

No patent has been obtained under the former joint application, which the joint applicants concede was formally defective. To prevent a possible failure of justice, the present application should have been considered as a continuation of the abortive application. As already suggested, we perceive no reason why the mistake could not have been rectified by a simple amendment, but in any event the sole inventor should not be deprived of his day in court by the raising of artificial barriers against him. He claimed his invention, and, through mistake, gave his son credit where no credit was due. The elimination of the son ought not to deprive the father, the sole inventor, of the benefit of his original application; and we so rule.

It perhaps is unnecessary to add that a party who seeks to correct his own mistake must act with reasonable diligence, and also assume the burden of establishing his good faith. [Italics supplied.]

In the interest of brevity we will not discuss the decisions of the Commissioner cited by appellants.

[1] The facts in the instant case make the application of the decisions hereinbefore discussed impossible. Here appellants filed a joint application and a joint preliminary statement supported by a joint oath; they took testimony as joint inventors; they appealed to the Board of Appeals and here as joint appellants. If they made a mistake in filing a joint application nowhere do they appear to acknowledge or recognize it, although they could have saved any right alleged to be possessed by either of them under the rules set out in the very cases they cite in an attempt to support their insupportable contention. The question of joint invention might well have been raised by proper action on the part of appellants in this proceeding, as we stated we assumed without deciding could be done in the case of *Brown* v. *Edeler et al.*, 27 C. C. P. A. (Patents) 1091, 110 F.(2d) 858, 519 O. G. 222. For the reasons hereinbefore set out, we hold that the Board of Appeals did not err in affirming the refusal of the Examiner of Interferences to consider any testimony of appellants prior to October, 1929, the time when the joint activities of appellants began. The question of priority must be determined from the beginning of the joint activities of appellants.

[2] One of the contentions of appellants (covered by their fifth reason of appeal to this court) is that prior invention of the subject matter in issue by Perkins precludes an award of priority to the party Engs and Moravec. In urging this contention appellants seemingly ignore the fact that Perkins, individually, is not a party to this interference. Perkins and Davies, as an entity, constitute one adverse party and Engs and Moravec, as an entity, the other. The issue of priority is between the party Perkins and Davies and the party Engs and Moravec. In an interference proceeding a party (Perkins and Davies) cannot overcome the prior date of its adversary (Engs and Moravec) by proving that a third party (Perkins) was in effect the inventor. See *Bayer* v. *Rice*, 64 App. D. C. 107, 75 F.(2d) 238, 450 O. G. 749; and *Raymond et al.* v. *Wickersham*, 27 C. C. P. A. (Patents) 1079, 110 F.(2d) 863, 519 O. G. 3.

The dates awarded appellees are not questioned. Therefore it is only necessary to examine the evidence of joint activities of appellants to determine if they have satisfactorily proved dates earlier than those awarded to appellees.

Appellants, in their brief, appear to base their case upon the theory which we have hereinbefore held to be untenable, namely, that the activities of appellant Perkins prior to his association with Davies should be held to enure to the benefit of the joint appellants. They make no contention, at least as to count 1, that the subject matter of the invention was conceived by anyone except the appellant Perkins in May or June, 1929, four or five months prior to the time the appellants became associated in their research work. They contend that appellant Perkins also reduced to practice the invention defined in count 1 at the said time of alleged conception. They further contend that the process conducted by appellant Perkins in May or June, 1929, if applied to a hydrocarbon mixture containing butylenes, would completely meet count 2, and that therefore the reduction to practice of the process of count 1 was inherently a conception of invention of the process defined in count 2. They also claim reduction to practice as defined by the process of both counts in November and also December, 1929, and throughout February, March, April, May and June, 1930, as well as constructive

reduction to practice by filing their application in April, 1931.

It seems to us, from a careful review of the record of appellants, that, as was held by the Examiner, no experiments had been performed by the joint appellants earlier than November 8, 1929, on the absorption of isobutylene in the liquid phase. In this connection the Examiner stated:

Moreover at this time there was no attempt to treat the sulfuric acid-olefine material to produce polymers of isobutylene. At this stage of their work Perkins and Davies appear to have been interested only in formation of tertiary butyl and secondary butyl alcohols and the sulfuric acid-butylene material was subjected to treatment designed to effect such purpose. Any polymerized substances formed they considered as undesirable side reaction products which they sought to avoid or prevent by various expedients, and apparently little or no effort was made to determine the composition thereof. (Carruthers, Q. 28.)

Apparently, from the testimony of Davies and Perkins, Runs 13A and B, 14A and B, and 15 were the first experiments in which the temperature and pressure were maintained so as to keep the butane-butylene material in the liquid phase during the sulfuric acid treatments. In all these experiments, however, the purpose was to form alcohols; oil formation, which appears to be a polymerization of unidentified constituents of the mixture, was only a "trace" in Run 13A (preferential absorption of isobutylene in 65.1% H_2SO_4), while in Run 15 the 79.3% H_2SO_4 absorbed the secondary and tertiary butylenes, with the formation of 1930 grams of oil. Obviously neither of these runs was the process of the counts. Run 14A was made with 68.5% H_2SO_4 which may or may not preferentially absorb the tertiary butylene (isobutylene). In this experiment tertiary butyl alcohol was the objective, and 436 grams of this alcohol was formed, along with 52 grams of oils, which were not identified, either as to composition or source.

Evidence of this character manifestly is too indefinite and uncertain to establish even a conception of the invention of the counts.

In awarding the latter part of November, 1929, to appellants for conception of the involved invention, the Examiner considered a report made by appellant Perkins dated November 27, 1929, together with the testimony of witnesses concerning the same. With respect to this report said appellant testified that

"The report discusses the amounts of 4-carbon olefines and diolefines available at our plant and how they could be utilized."

He further testified as follows:

Q. 134. To what methods for their utilization do you refer? A. To the methods which Davies and I had been studying; that is, to the use of sulfur dioxide for removing the butadiene and the use of different strengths of sulfuric acid for removing the butylenes. The alkyl sulfates so produced were to be made into secondary butyl alcohol and diisobutylene or tertiary butyl alcohol.

Q. 135. On what were the descriptions of the methods contained in the report based? A. On the laboratory work of Davies and myself.

Q. 136. What stage in the investigation of the process you have referred to is reported by the preparation of such a report? A. The laboratory work had advanced to a stage in which we knew from a chemical standpoint what could be done. This report was a preliminary attempt at an economic survey based on the chemical knowledge.

It will be noted from the last answer that on the date of the report the invention had not been reduced to practice by appellants.

In our opinion, on the record here, no more specific date for conception of the invention could have been found than that awarded by the Examiner.

Appellants have not shown that they performed any experiments satisfying the terms of the counts prior to December 3, 1929. Since this is subsequent to the date for reduction of the invention to practice awarded to appellees it is not necessary to comment upon the evidence concerning the experiment begun on that date. The Examiner awarded a date not earlier than December 13, 1929, for reduction to practice by appellants, upon the basis of a weekly report of the appellant Perkins, dated December 13, 1929, in which the experiment of December 3, 1929, was described. The Examiner pointed out that the actual date of the experiment was not sufficiently corroborated, stating:

While the testimony of Curme, Holden and Carruthers might be considered as corroborative of the testimony of the joint applicants Perkins and Davies as to successful laboratory operation of the process of the counts, these witnesses singly or collectively do not testify as to sufficient facts upon which any date whatever may be ascribed to such inventive act. In view of the general nature of their testimony, and the other circumstances of the case, such a reduction to practice might well have occurred at any time later than December 13, 1929.

In any event, such date would be subsequent to that which the joint patentees Engs and Moravec have established for their reduction to practice, and accordingly would not entitle Perkins and Davies to priority.

We agree with the conclusions of the Examiner in awarding a date not earlier than December 13, 1929, for appellants' reduction to practice.

We cannot find that any different standard has been applied to evidence of the parties, and agree with the statement of the Board, heretofore mentioned, in this respect.

Prior to the printing of the record herein, appellees filed before this court a petition for certiorari to correct diminution of the record. The writ issued and accordingly there was added to the record the motion to dissolve the interference, previously mentioned, and the holdings thereon by the Primary Examiner and the Board of Appeals.

Appellees could have, but did not, raise the question of the right of appellants to make the counts before the Board of Appeals. Since this question was neither presented to nor passed upon by that tribunal it is not before us. Therefore the cost of printing the matter added to the record pursuant to the writ should be taxed against appellees.

Appellees also moved to strike two papers from the record and to dismiss certain reasons of appeal. The motion was denied by us without prejudice. The motion to dismiss is renewed in appellees' brief. Said motion is denied. *Noxon* v. *Potts*, 26 C. C. P. A. (Patents) 1031, 102 F.(2d) 836, 506 O. G. 282.

[3] For the reasons herein set out the decision of the Board of Appeals is affirmed, and the cost of printing the matter added to the record pursuant to the aforementioned writ of certiorari is taxed against appellees.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,277,600, 1,625,414, G. Kammerer, Tool for cutting and removing pipe from wells; 1,625,391, Reilly & Stone, same, D. C., S. D. Calif. (Los Angeles), Doc. E 751–Y, *Kammerer Corp. et al.* v. *McCullough Tool Co.* Claims 1, 2, 3, 4, 6, 7, 9, 14, 15, 18, and 21 of 1,625,391 held infringed; injunction June 28, 1941.

1,376,154, J. M. Morris, Electrical lighting device; 1,620,548, R. O. Hammond, Lighter for cigars; 1,657,189, F. Bain, Cigar lighter; 1,763,343, J. H. Cohen, Electrical device and the manufacture thereof; 1,944,925, same, Cigar lighter; 1,769,912, J. R. Ayotte, same, D. C., N. D. Ill., E. Div., Doc. 15337, *Casco Products Corp.* v. *Sinko Tool & Mfg. Co.* Claims 1, 2, 3, and 7 of 1,376,154, claims 2, 9, and 10 of 1,620,548, claim 1 of 1,657,189.

claims 1 and 4 of 1,763,343, and claims 3, 4, 7, and 8 of 1,944,925 held void for lack of invention; 1,769,912 withdrawn from suit before final hearing, bill dismissed for want of equity as to all patents save 1,769,212, and as to said patent dismissed without prejudice Sept. 28, 1939. Decree affirmed Apr. 22, 1941.

1,470,107, A. L. Ruthven, Combination automatic and manually operable air brake, power control and alarm system; 1,470,109, same, Electro magnetic train control; 1,531,573, 1,531,576, 1,555,706, 1,556,357, 1,556,358, 1,597,545, 1,597,546, same, Simplex train control; 1,531,575, same, Automatic power control; 1,608,187, same, Air brake control, D. C., N. D. Ill., E. Div., Doc. 1379, *E. W. Parlee* v. *Union Pacific Railroad Co. et al.* Dismissed with prejudice May 5, 1941.

1,470,109. (See 1,470,107.)

1,470,109, A. L. Ruthven, Electro magnetic train control; 1,531,573, 1,531,576, 1,555,706, 1,556,357, 1,556,358, 1,597,545, same, Simplex train control; 1,531,575, same, Automatic power control; 1,608,187, same, Air brake control, D. C., N. D. Ill., E. Div., Doc. 1380, *E. W. Parlee* v. *B. & O. Rrd. Co. et al.* By stipulation cause dismissed with prejudice May 5, 1941.

1,531,573. (See 1,470,107 and 1,470,109.)

1,531,575. (See 1,470,107 and 1,470,109.)

1,531,576. (See 1,470,107 and 1,470,109.)

1,542,341. (See 1,819,641.)

1,552,392, J. P. Cowing, Pressure-relieving joint for building construction; 1,552,394, 1,552,393, same, Building construction; 2,071,653, 2,079,031, 2,092,290, R. M. Nyhagen, Jr., same, D. C., N. D. Ill., E. Div., Doc. 1317, *Peter Masterson* v. *Builders Cushion Joint Co.* Doc. 1506, *P. Masterson et al.* v. *S. N. Nielsen Co. et al.* Dismissed by agreement June 25, 1941, in both cases.

1,552,393. (See 1,552,392.) 1,552,394. (See 1,552,392.)

1,555,706. (See 1,470,107 and 1,470,109.)

1,556,357. (See 1,470,107 and 1,470,109.)

1,556,358. (See 1,470,107 and 1,470,109.)

1,597,545. (See 1,470,107 and 1,470,109.)

1,597,546. (See 1,470,107.)

1,608,187. (See 1,470,107 and 1,470,109.)

1,620,548. (See 1,376,154.) 1,625,391. (See 1,277,600.)

1,625,391, Reilly & Stone, Tool for cutting and removing pipe from wells; 1,625,414, G. Kammerer, same, D. C., S. D. Calif. (Los Angeles), Doc. E 1238–Y, *Kammerer Corp. et al.* v. *McCullough Tool Co.* Claims 1 to 9, 12, 14 to 18, and 21 of 1,625,391 held infringed; injunction June 28, 1941.

1,625,414. (See 1,277,600 and 1,625,391.)

1,657,189. (See 1,376,154.)

1,710,203, W. H. Burstall, Packer; 1,859,744, G. Meyer, Packer for oil-well; 1,925,016, W. T. Wells, same, D. C., S. D. Calif., C. Div., Doc. 485–M, *Lane-Wells Co. et al.* v. *M. O. Johnston Oil Field Service Corp. et al.* Stipulation and order of discontinuance without prejudice June 19, 1941.

1,763,343. (See 1,376,154.) 1,769,912. (See 1,376,154.)

1,795,167, L. Gross, Successive immersion device; 1,809,781, same, Slide box; 2,157,875, E. C. Weiskopf, Automatic immersion apparatus; 2,119,407, same, Means for filing microslides, filed July 1, 1941, D. C., S. D. N. Y., Doc. 15/21, *G. G. Gross* v. *E. C. Weiskopf et al.*

1,809,781. (See 1,795,167.)

1,819,641, E. Davis, Control for fluid motors; 1,542,341, R. O. Deckert, Pressing machine; 1,938,533, E. Davis, same, D. C., N. D. Ga. (Atlanta), Doc. 2302, *The Prosperity Co.* v. *National Linen Service Corp.* Order of settlement (notice June 23, 1941).

1,859,744. (See 1,710,203.)

1,894,367, L. L. Corcoran, Automatic control device; 1,972,815, R. E. Anneren, same (declaratory judgment), D. C., N. D. Ill., E. Div., Doc. 2048, *Penn Electric Switch Co.* v. *U. S. Guage Co.* Claim 5 of 1,972,815 held invalid; counterclaim dismissed for want of equity June 25, 1941. Complaint and counterclaim dismissed as to 1,894,367 June 7, 1941.

1,925,016. (See 1,710,203.)

1,944,158, R. W. French, Method for producing zinc oxide; 2,147,379, M. M. Pearlman, Method for producing high grade zinc oxide, D. C., E. D. Pa., Doc. 300, *Superior Zinc Corp.* v. *Rohn & Haas Co., Inc.* Dismissed June 20, 1941.

1,944,925. (See 1,376,154.) 1,958,533. (See 1,819,641.)

1,972,815. (See 1,894,367.)

1,988,692, C. W. Lanter, Bailing machine; 2,157,765, same, Method of baling, filed June 9, 1941, D. C., N. D. Ill., E. Div., Doc. 3058, *C. W. Lanter* v. *Nachmann Spring-Filled Corp.*

2,007,082. (See Re. 20,544.)

2,008,029, O. D. McFarland, Planetary cutting machine; 2,148,379, McFarland & Mickelson, Take-off mechanism, D. C., N. D. Ill., E. Div., Doc. 1881, *Roofing Machinery Mfg. Co.* v. *Reichel & Drews, Inc.* On stipulation complaint and counterclaim dismissed May 13, 1941.

2,041,207, C. A. Rietz, Macerator; 2,082,419, 2,153,590, same, Disintegrator, D. C., N. D. Calif. (San Francisco), Doc. 21551–S, *Enterprise Foundry Co.* v. *Process Machinery Co.* Dismissed without prejudice June 23, 1941.

2,070,529. (See Re. 20,544.)

2,071,653. (See 1,552,392.) 2,079,031. (See 1,552,392.)

2,082,419. (See 2,041,207.) 2,092,290. (See 1,552,392.)

2,119,005. (See Re. 20,544.)

2,119,407. (See 1,795,167.)

2,131,791. (See Re. 20,544.)

2,147,379. (See 1,944,158.) 2,148,379. (See 2,008,029.)

2,148,612. (See Re. 20,544.)

2,153,590. (See 2,041,207.)

2,156,150, G. F. French, Ladder and like webbing and method of producing same; 2,156,151, same. Reinforced ladder webbing, D. C., S. D. N. Y., Doc. 5/297, *Thos. French & Sons, Ltd.*, v. *Independent Window Shade Mfg. Co., Inc. et al.* Judgment (notice June 23, 1941).

2,156,151. (See 2,156,150.)

2,157,756. (See Re. 21,615.)

2,157,765. (See 1,988,692.) 2,157,875. (See 1,795,167.)

2,159,141. (See Re. 20,544.)

2,168,304. (See 2,230,931.)

2,213,492, J. Galter, Turnable means for camera take-up spools; 2,220,599, same, Means for preventing reverse rotation of camera winding knobs, filed May 26, 1941, D. C., N. D. Ill., E. Div., Doc. 3009, *J. Galter* v. *Rolls Camera Mfg. Co. et al.*

2,220,599. (See 2,213,492.)

2,230,931, W. J. Bussert, Composition for and method of extending the life of cut flowers; T. M. 366,178, same, Preparation for use in prolonging life and beauty of cut flowers; 2,168,304, A. A. Meyer, Composition for preserving flowers, filed May 31, 1941, D. C., N. D. Ill., E. Div., Doc. 3022, *W. J. Bussert* v. *Flower Foods, Inc., et al.*

Re. 20,544, C. W. Griffith, Shooting gallery; 2,007,082, same, Marksmanship practicing means; 2,159,141, W. P. Falkenberg, Electric rifle range; 2,070,529, same, Marksmanship practicing device; 2,148,612, R. D. French, Electric target range; 2,119,005, A. J. Carter, Light gun; 2,131,791, same, Electric target rifle range, D. C., N. D. Ill., E. Div., Doc. 1004, *Bally Mfg. Co.* v. *Rayolite Rifle Range Co. et al.* Claims 24, 27, and 28 of Re. 20,544 held valid but not infringed May 23, 1941.

Re. 21,615 (of 2,157,756), M. Irwin, Irrigating apparatus, filed May 10, 1941, D. C. Minn., 4th Div., Doc. 507, *Associated Laboratories* v. *G. A. Remley.*

Des. 120,081, Des. 120,302, Des. 120,179, S. Novak, Dress ensemble, D. C., N. D. Ill., E. Div., Doc. 1699, *Flora Dress Co.* v. *Ardsley Stores Corp.* Consent decree holding patents valid and infringed, injunction Sept. 20, 1940.

Des. 120,179. (See Des. 120,081.)

Des. 120,302. (See Des. 120,081.)

T. M. 366,178. (See 2,230,931.)

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING JULY, 1941

INTERNATIONAL UNION OF UNITED BREWERY, FLOUR, CEREAL AND SOFT DRINK WORKERS OF AMERICA *v.* INTERNATIONAL BROTHERHOOD OF TEAMSTERS, CHAUFFEURS, STABLEMEN & HELPERS OF AMERICA, Opposition No. 19,255.

In a decision rendered July 10, 1941 (163 Ms. Dec. 769, 50 U. S. P. Q. 380), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition of International Union of United Brewery, Flour, Cereal and Soft Drink Workers of America, of Cincinnati, Ohio, to the application of International Brotherhood of Teamsters, Chauffeurs, Stablemen & Helpers of America, of Washington, D. C., for registration of applicant's union label as a trade-mark for "books, pamphlets, circulars, and for a periodical published from time to time for the furtherance of its object." In the words of the Examiner, quoted by the First Assistant Commissioner, the mark sought to be registered is

"a rectangular panel enclosing various pictorial and design matter in association with the name of the applicant organization, abbreviated as 'International Brotherhood of T. C. S. & H.'"

As noted by the First Assistant Commissioner, opposition was predicated, in part, upon opposer's ownership of a label, somewhat similar in contour to applicant's mark, alleged to have been used by opposer as a trade-mark for "books, pamphlets, circulars, periodicals published from time to time, yeast, vinegar, malt, hops, barley, etc." The First Assistant Commissioner stated that as to trade-mark use of their labels by the parties, he was constrained to agree with the Examiner that the proofs fail to establish prior use by opposer in connection with merchandise of the same description as that set forth in the opposed application. He said:

"Manifestly such goods as 'yeast, vinegar, malt, hops, barley, etc.,' do not possess the same descriptive properties as the publications of applicant; and it is doubtful that opposer has used its label as a trade-mark upon any other goods. There are several publications in the record upon which opposer's label appears, but not as a trade-mark. The one chiefly stressed by opposer is its Exhibit No. 5, a copy of a weekly periodical entitled 'The Brewery Worker.' Beneath the title appears the legend: 'For all workers in the brewing and soft drink industries.' On the editorial page is printed a substantial reproduction of the label here relied upon, together with the admonition to 'demand this label on all brewery and soft drink products.' Clearly the label thus displayed does not function as a trade-mark for the periodical. Moreover, the date of this publication is subsequent to applicant's filing date; and, as pointed out by the Examiner, 'the record fails to affirmatively show that the mark used by opposer appears in any previous issue of this periodical.'"

The First Assistant Commissioner added:

"But even had opposer proved prior trade-mark use of its label on merchandise of the same descriptive properties as that for which applicant seeks registration, I should be inclined to dismiss the opposition. Aside from the names of the parties, and matter which is purely descriptive, there is very little resemblance between the two marks; and the publications involved necessarily appeal to a special class of readers, each presumably familiar with the label of his own union. Under such circumstances there is, of course, less likelihood of confusion between slightly similar trade-marks than would be the case if the goods were competitive and were sold to the general public."

EX PARTE LADY ESTHER, LTD., Serial No. 434,410.

In a decision rendered July 12, 1941 (163 Ms. Dec. 770, 50 U. S. P. Q. 382), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to Lady Esther, Ltd., of Chicago, Ill., of the trade-mark "Tropic" for finger nail enamel and lipstick.

The Examiner refused registration in view of the prior registration of the word "Tropicale" for numerous cosmetic preparations, including lipstick.

In his decision the Assistant Commissioner said:

"The goods named in the cited registration and in the application are clearly goods of the same descriptive properties and are identical as to lipsticks.

"In my opinion the marks are so similar in appearance and in sound that concurrent use of them on the goods involved would be likely to cause confusion and to deceive purchasers, and for this reason the Examiner was correct in refusing registration."

EX PARTE LADY ESTHER, LTD., Serial No. 436,614.

In a decision rendered July 12, 1941 (163 Ms. Dec. 771, 50 U. S. P. Q. 382), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing registration to Lady Esther, Ltd., of Chicago, Ill., of a mark for face powder, said mark being described by the Assistant Commissioner as

"the representation of a partially open lady's lace folding fan, with the monogram 'LE' superimposed on one edge of the fan and on a representation of a ribbon hanging from the handle."

The Assistant Commissioner noted that registration was refused by the Examiner on two prior registrations, Nos. 192,040 and 180,405, also for face powder. The mark of registration No. 192,040, he stated, shows a folding fan having a solid black background on which is prominently pictured the head and shoulders of a female figure between two flowers and beneath the word "Bened." The Assistant Commissioner concluded that the mark of this registration is so dissimilar to that of the mark of the application that when applied to face powder no confusion between them is likely.

In regard to the other registration the Assistant Commissioner said:

"The mark of the other cited registration, No. 180,405, is a picture of a partially open lady's folding fan embroidered with a floral and scroll design which frames a picture of the head and face of a lady, and having a ribbon hanging from the handle of this fan. Notwithstanding the fact that the fan shown in this registration is open more widely than the fan shown in the application, shows a lady's head, appears to be embroidered instead of made of lace, and does not include any monogram, it seems to me that when the nature of the goods to which the marks are applied, to wit: face powders, is considered,

the resemblance between the marks in their general appearance is such that the question of whether their concurrent use for the goods specified would not be likely to cause confusion and to deceive purchasers is fraught with considerable doubt, and for this reason I think the Examiner of Trade-Marks was correct in refusing registration to applicant in view of the cited prior registration No. 180,405."

EX PARTE EFFERVESCENT PRODUCTS, INC., Serial No. 430,126.

In a decision rendered July 14, 1941 (163 Ms. Dec. 772, 50 U. S. P. Q. 384), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Marks in refusing to grant registration to Effervescent Products, Inc., of Elkhart, Indiana, of the mark "Acetyl-Vess" for alkaline effervescent tablets having an analgesic-antipyretic action unless applicant disclaimed the term "Acetyl".

After noting that the applicant in its brief stated that the occurrence of the term "Acetyl" in a chemical term indicates the presence of the radical CH_3CO in the substance defined by the chemical term, the Assistant Commissioner said:

"It seems to me that to apply the term 'Acetyl' to any substance or preparation indicates that the acetyl radical is present in the substance or preparation and that such substance or preparation is acetylic, and thus is descriptive of that characteristic or quality of the substance or preparation. Nor do I consider that the joining of the word 'Vess' to the term 'Acetyl' by a hyphen destroys that descriptive meaning of the term 'Acetyl' with regard to the goods to which the trade-mark is applied. In my opinion the term 'Acetyl' in the mark 'Acetyl-Vess' indicates the presence of the acetyl radical in applicant's tablets and is descriptive of that character and quality thereof."

EX PARTE FRUIT AND PRODUCE PACKING, INC., Serial No. 408,838.

In a decision rendered July 14, 1941 (163 Ms. Dec. 773, 50 U. S. P. Q. 383), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Marks refusing registration to Fruit and Produce Packing, Inc., of Indianapolis, Ind., of a mark for cardboard basket liners consisting of the name "Hiatt" surrounded by two concentric circles between which are the words "Ring Pack System". The Examiner held that the word "Hiatt" is a surname not distinctively displayed and that the words "Ring Pack System" are descriptive of the goods.

In sustaining the first holding of the Examiner, the Assistant Commissioner said:

"In the mark the letters of the name 'Hiatt' are distorted to present a generally circular configuration. This, to my mind, does not render the name distinctively displayed, and, in my opinion, the display of the name in the mark is so prominent that although the entire mark is somewhat distinctive in appearance, the appearance of the mark as a whole does not make such an impression on the eye of the ordinary observer as would outweigh the significance of the name 'Hiatt' as the name of an individual."

The Assistant Commissioner had the following to say with respect to the second holding of the Examiner:

"The Examiner states that the words 'Ring Pack System' are descriptive of liners for fruit baskets which are adapted to packing fruit in concentric rings about the center of the basket. In applicant's brief it is stated that there is no function of the liners that has anything to do with any particular system or method of packing. However, on the labels filed with the application the words 'For Use With The' are associated with the trade-mark, thus indicating that the liners are for use with 'the Hiatt Ring Pack System'. The words 'Hiatt Ring Pack System' applied to the liners adapted for use in that system are accordingly descriptive of the character and utility of the goods in that respect. If there is no such system, then I consider the mark deceptive and misdescriptive because the labels clearly state that the liners are intended for use with a system known as 'the Hiatt Ring Pack System'. The words 'Hiatt Ring Pack System' are so prominent in the mark that in my opinion the entire mark is either descriptive or misdescriptive of the goods to which the mark is applied and is not registrable under the act of February 20, 1905, for that reason, notwithstanding the peculiar circular composition of the mark as a whole."

GENERAL MILLS, INC., *v.* THE QUAKER OATS COMPANY, Opposition No. 19,154.

In a decision rendered July 16, 1941 (163 Ms. Dec. 774, 50 U. S. P. Q. 385), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences and thereby sustained the opposition of General Mills, Inc., of Minneapolis, Minn., to the application of The Quaker Oats Company of Chicago, Ill., for registration of the word "Oaties" as a trade-mark for "a prepared breakfast cereal." The opposer relied upon its ownership of the three trade-marks, "Wheaties", "Kornies", and "Maizies", all registered for the same goods as those described in the said application prior to applicant's first use of the mark it sought to register.

The First Assistant Commissioner noted that the Examiner in dismissing the opposition cited the case of *Yeasties Products, Inc.*, v. *General Mills, Inc.*, 22 C. C. P. A. 1215, 77 F. (2d) 523, where it was held that the mark "Wheaties" was not likely to be confused with the word "Yeasties" used as a trade-mark for similar goods. He noted that in that decision the Court stated of such marks that "when considered as a whole, they differ considerably in appearance, sound, and meaning." He added:

"It is likewise true in the instant case that the marks of the parties 'differ considerably in appearance, sound and meaning;' but there are other factors to be considered. Applicant's oats product is much more nearly related to opposer's wheat and corn products than was the yeast product of the cited case. Oats, wheat, corn, and maize are all grains; which, of course, yeast is not. To that extent, at least, the marks here involved differ less than do the marks 'Wheaties' and 'Yeasties.' In meaning, as applied to these particular goods, they are very nearly the same.

"Assuming, as I must, the validity of opposer's registered marks, it is my opinion that the opposition should have been sustained. I cannot escape the conviction that many purchasers, upon seeing four breakfast cereals displayed side by side on a grocery store shelf, labeled, respectively, 'Oaties', 'Wheaties', 'Kornies', and 'Maizies', would assume they all were produced by the same concern."

TAM PRODUCTS, INC., *v.* THE B. MANISCHEWITZ COMPANY, Opposition No. 19,057.

In a decision rendered July 25, 1941 (163 Ms. Dec. 776, 50 U. S. P. Q. 388), *First Assistant Commissioner Frazer* reversed the decision of the Examiner of Trade-Mark Interferences, who had sustained the opposition of Tam Products, Inc., of New York, N. Y., to the application of the B. Manischewitz Co., of Jersey City, N. J., for registration of the notation "Tam Tam" as a trade-mark for "crackers or biscuits."

The opposition was based chiefly on the opposer's ownership of the registered trade-mark "Tam", on

laxatives. The Examiner of Interferences held that such laxatives, though they might be spread on crackers or bread, were not goods of the same descriptive properties as crackers or biscuits. This holding was affirmed by the First Assistant Commissioner.

The Examiner of Interferences sustained the opposition on the ground that the mark sought to be registered formed the dominant feature of the opposer's name. In reversing this holding, the First Assistant Commissioner said:

"Opposer's name, however, is not 'Tam', but 'Tam Products, Inc.'; and I find nothing in the record to convince me that the word 'Tam' alone would be likely to indicate opposer, to the exclusion of others, in the public mind. It is a dictionary word of well-known meaning, and is not uncommon as a surname. As applied to a laxative it would, of course, designate opposer; not only because it is the salient feature of opposer's name, but because it is opposer's trade-mark. But as applied to goods of other classes, its use is not, in my opinion, such an appropriation of the name as to bar its registration."

LENTHERIC INCORPORATED *v.* VI-JON LABORATORIES, INC., Opposition No. 19,671.

In a decision rendered July 25, 1941 (163 Ms. Dec. 778, 50 U. S. P. Q. 387), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences in sustaining the opposition of Lentheric Incorporated, of New York, N. Y., to the application of Vi-Jon Laboratories, Inc., of St. Louis, Mo., for registration of a mark consisting of the words "Night in Shanghai", printed in Chinese style characters and applied to perfumes and face and hand lotions. The decision holds that the mark sought to be registered is confusingly similar to the word "Shanghai" which had been previously used by the opposer as a trade-mark on goods identical with and descriptively similar to those of the applicant.

It appeared that one form of label used by the opposer included the words "Shanghai, Lentheric, Paris", and the applicant contended that this misrepresented to the public that the goods were products of Paris and Shanghai, and that such misrepresentation deprived the opposer of the right to have its opposition considered. Assistant Commissioner Van Arsdale held, however, that since the fragrance component, which was the most important part of opposer's products, was made in Paris, the use of the language in question was justified. He held that the word "Shanghai" would not lead the public to believe that the goods originated in Shanghai, but would be taken as indicating a particular line of products.

NATIONAL BELLAS HESS, INC., *v.* RCA MANUFACTURING COMPANY, INC., Opposition No. 20,494.

In a decision rendered July 29, 1941 (163 Ms. Dec. 782, 50 U. S. P. Q. —). *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences in holding that the applicant, RCA Manufacturing Company, Inc., of Camden, N. J., was not entitled to register for use on piezo electric crystals and holders therefor a trade-mark consisting of the plain capital letter "V", in view of the prior registration by National Bellas Hess, Inc., of Kansas City, Mo., for radio receiving sets, of a mark consisting of the word "Dominant" and the capital letter "V", with three zigzag lines at each side.

The decision holds that the two marks are confusingly similar, and that piezo electric crystals, although used in certain types of radio receiving sets only, are goods of the same descriptive properties as radio receiving sets.

Assistant Commissioner Van Arsdale also agreed with the Examiner of Interferences that a showing of abandonment of the earlier mark which

"is hearsay in character and lacks any verified or definite averment of any intention on the part of the owner of the registration to abandon the mark"

was overcome by the verified declaration by the vice president of the company which alleged ownership of the registration, that the mark had never been abandoned.

MILLSITE STEEL & WIRE WORKS, INC., *v.* JAMES HEDDON'S SONS, Opposition No. 19,308.

In a decision rendered July 29, 1941 (163 Ms. Dec. 780, 50 U. S. P. Q. —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences in sustaining the opposition of Millsite Steel & Wire Works, Inc., of Howell, Mich., to the application of James Heddon's Sons, of Dowagiac, Mich., for registration of a trade-mark, but affirmed the holding of the Examiner that the applicant was not entitled to the registration applied for.

The mark in question was used in connection with fish lures and comprised a series of parallel curved lines of gradually increasing length, bisected by a radial line. The Examiner of Interferences held that this mark was descriptive of the goods and that it served a utilitarian purpose. The First Assistant Commissioner expressed doubt as to whether the mark was descriptive, but held that, since it simulated the appearance of minnows swimming in water, it performed a useful function when used with at least part of the lures to which it was to be applied, and that registration was therefore properly refused.

DOUGHNUT CORPORATION OF AMERICA *v.* PH. ORTH CO., Opposition No. 19,573.

In a decision rendered July 30, 1941 (163 Ms. Dec. 784, 50 U. S. P. Q. —), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences in sustaining the opposition of Doughnut Corporation of America, of New York, N. Y., to an application by Ph. Orth Co., of Milwaukee, Wis., for registration, as a trade-mark for prepared icing for cakes, of a picture of a frosted cake in association with figures of miniature bakers and the words "Works like Magic", and with the words "Redi-Frost" prominently displayed,

the phrase "Works like Magic" being disclaimed. The opposer had established prior use of the word "Redy" for waffle flour mix.

Assistant Commissioner Van Arsdale held that prepared cake icing and waffle flour mix are goods of the same descriptive properties. He also held that, since the word "Redi" was prominently displayed in the applicant's mark, while the word "Redy" was the entire mark of the opposer, there would be likelihood of confusion if the two marks were used concurrently.

MONTGOMERY WARD & CO., INCORPORATED, *v.* SPIEGEL, INC., Opposition No. 19,133.

In a decision rendered July 31, 1941 (163 Ms. Dec. 785, 50 U. S. P. Q. —), *Assistant Commissioner Van Arsdale* affirmed the action of the Examiner of Trade-Mark Interferences in dismissing an opposition by Montgomery Ward & Co., Incorporated, of Chicago, Ill., to the registration by Spiegel, Inc., of Chicago, Ill., of a composite mark consisting of the words "Air Castle" superimposed on the representation of a medieval castle. The opposer relied on a prior registered mark consisting of the word "Airline" disposed across a diagonal zigzag line. Both marks were applied to radio receiving sets, radio tubes and storage and dry cell batteries.

Assistant Commissioner Van Arsdale held that the marks, when weighed in their entireties, were so different in appearance, sound and ordinary meaning that no confusion would be likely to result from their concurrent use.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 26, 1941

[VOL. 529. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 442,379. F. H. WOODRUFF & SONS, INC., Milford, Conn. Filed Apr. 7, 1941.

Flawn

FOR GRASS SOD.
Claims use since Mar. 25, 1941.

Ser. No. 444,886. P. J. WILSON, doing business as Wilson Carbon Company, New York, N. Y. Filed June 26, 1941.

VANADISET

FOR RESIN.
Claims use since May 27, 1941.

CLASS 2

RECEPTACLES

Ser. No. 445,033. ARKELL SAFETY BAG COMPANY, New N. Y. Filed July 3, 1941.

ARKSAFE

FOR PAPER BAGS AND PAPER LINED BAGS OF TEXTILE FABRIC.
Claims use since Nov. 8, 1900.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 444,860. THE CUMULUS COMPANY, Peru, Ind. Filed June 26, 1941.

CUMULUS

FOR SOAP POWDER FOR HAND WASHING AND USE ON ANY SURFACE REQUIRING A SOAP CLEANER.
Claims use since Oct. 1, 1936.

Ser. No. 444,929. CHEMICAL PRODUCTS CORPORATION OF AMERICA, Chicago, Ill. Filed June 28, 1941.

CAR-O-MIZE

FOR AUTOMOBILE WASHING PREPARATION.
Claims use since Apr. 1, 1941.

Ser. No. 444,944. SANDPAPER INCORPORATED, Waltham, Mass. Filed June 28, 1941.

PHENOBOND

FOR COATED ABRASIVES.
Claims use since June 16, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 442,867. HORACE B. HACKNEY, doing business as Horace Hackney Company, London, Ky. Filed Apr. 23, 1941.

DANZOLA

FOR MEDICINE FOR DANDRUFF AND ITCHING SCALP.
Claims use since 1929.

Ser. No. 442,960. LENTHERIC, INCORPORATED, New York, N. Y. Filed Apr. 25, 1941.

confetti

FOR PERFUMES, TOILET WATERS, FACE POWDERS, TALCUM POWDERS, BATH POWDERS, BATH SALTS, BATH OILS, SACHETS, SACHET POWDERS, SACHET BAGS, BRILLIANTINES, LIPSTICKS, ROUGES, AND COSMETIC CREAMS.
Claims use since Aug. 18, 1939.

Ser. No. 443,193. HOUSE OF HERBS, INC., Canaan, Conn. Filed May 2, 1941.



FOR HAIR RINSE.
Claims use since Dec. 14, 1940.

Ser. No. 443,944. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed May 26, 1941.

STABILIDE

FOR STABILIZED ASSIMILABLE IODIDE-CONTAINING SUBSTANCES.
Claims use since May 16, 1941.

Ser. No. 444,302. GREENE TRADING COMPANY, INC., New York, N. Y. Filed June 7, 1941.

KEN YA PYE

The word "Ken Ya" is disclaimed apart from the mark.
FOR PYRETHRUM.
Claims use since Apr. 24, 1941.

Ser. No. 444,418. EULIA C. RICKS, doing business as Ricks Chemical Company, Thomaston, Ga. Filed June 11, 1941.

E. C. Ricks.



The signature is a facsimile signature of applicant.
FOR SCALP TONIC.
Claims use since Apr. 20, 1941.

Ser. No. 444,612. SOUTHERN CARBON COMPANY, Monroe, La. Filed June 17, 1941.

ELECTREX

FOR PARTICULATE CARBON HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since May 14, 1941.

Ser. No. 444,613. SOUTHERN CARBON COMPANY, Monroe, La. Filed June 17, 1941.

FURNEX

FOR PARTICULATE CARBON HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since Dec. 31, 1940.

Ser. No. 444,699. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed June 20, 1941.

FINEX

FOR CHEMICALS AND PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES, PARTICULARLY PHOTOGRAPHIC DEVELOPERS.
Claims use since May 29, 1941.

Ser. No. 444,794. RICHARD M. HUSTON, JR., Chicago, Ill. Filed June 24, 1941.

BIPANUM

FOR MEDICAL PREPARATION INDICATED FOR USE AS A CORRECTIVE IN THE TREATMENT OF VARIOUS DIGESTIVE AND INTESTINAL DISTURBANCES.
Claims use since May 8, 1941.

Ser. No. 444,875. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed June 26, 1941.

DELTALIN

FOR CONCENTRATES CONTAINING VITAMIN D.
Claims use since June 2, 1941.

Ser. No. 444,878. MORTEN LABORATORIES, INC., Dallas, Tex. Filed June 26, 1941.

BELL-ASPADRIN

FOR MEDICINAL PREPARATION SOLD IN CAPSULE FORM TO AID IN RELIEVING NASAL BLOCKAGE, SNEEZING, AND HEADACHES.
Claims use since Mar. 27, 1941.

Ser. No. 445,019. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed July 2, 1941.

EMULTEX

FOR CONCENTRATED VEGETABLE PROTEIN FOR STABILIZING ASPHALT OR PETROLEUM EMULSIONS.
Claims use since May 20, 1941.

Ser. No. 445,251. J. & E. ATKINSON, LIMITED, London, England. Filed July 11, 1941.

CARILLON

FOR PERFUME.
Claims use since July, 1936.

Ser. No. 445,289. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y. Filed July 12, 1941.

OZETTES

FOR MEDICINAL PREPARATION—NAMELY, A VAGINAL SUPPOSITORY CONSISTING OF A SOLUTION OF TRIOLEIN OZONIDE IN OLIVE OIL HERMETICALLY SEALED AND ENCAPSULATED IN GELATIN CAPSULE FORM.
Claims use since June 10, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 444,244. UNIVERSAL ATLAS CEMENT COMPANY, New York, N. Y. Filed June 5, 1941.



The drawing is lined for red and brown. No claim is made to the words "Oil Well Cement" apart from the mark and the representation of the container is disclaimed.
FOR OIL WELL CEMENT.
Claims use since Apr. 15, 1941.

Ser. No. 444,452. HALOWAX CORPORATION, New York, N. Y. Filed June 12, 1941.

FENOX

FOR PLASTIC SEALING COMPOUNDS FOR USE IN SEAMS, JOINTS, AND OPENINGS IN BOAT DECKS AND OTHER FLOORING, AND IN SEAMS AND JOINTS IN BOILER CASINGS, PIPE JOINTS, STEAM FITTINGS, AND THE LIKE.
Claims use since Jan. 6, 1941.

Ser. No. 444,479. UNIVERSAL ATLAS CEMENT COMPANY, New York, N. Y. Filed June 12, 1941.



All wording except "Unaflo" and "Universal Atlas Cement Co." is disclaimed apart from the mark. The representation of the container is disclaimed. The drawing is lined for red and brown.
FOR OIL WELL CEMENT.
Claims use since June 3, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 437,262. ATLAS TACK CORPORATION, Fairhaven, Mass. Filed Oct. 25, 1940.



The representation of the goods and the words "The Seal of Super Quality" apart from the mark are disclaimed.
FOR TACKS, NAILS, METAL STAPLES FOR ALL FASTENING PURPOSES, AND METAL FINISHING WASHERS.
Claims use since April, 1940.

Ser. No. 439,588. CLUB ALUMINUM PRODUCTS CO., Chicago, Ill. Filed Jan. 11, 1941.

Saucette

FOR BASE METAL COOKING AND TABLE HOLLOW WARE.
Claims use since Dec. 20, 1940.

Ser. No. 442,450. LOCKWOOD HARDWARE MANUFACTURING CO., Fitchburg, Mass. Filed Apr. 10, 1941. Under 10-year proviso.

Lockwood

FOR BUILDERS' HARDWARE—NAMELY, DOOR STOPS, COAT AND HAT HOOKS, DOOR KNOBS, HANDLES, PULLS, SASH LIFTS, CASEMENT ADJUSTERS, DOOR HANDLE SETS, DOOR CLOSERS AND PARTS OF THE AFOREENUMERATED HARDWARE.
Claims use since Jan. 1, 1895.

CLASS 15

OILS AND GREASES

Ser. No. 435,884. THE TEXAS COMPANY, New York, N. Y. Filed Sept. 11, 1940.

PENETROPE

FOR OILS AND GREASES ESPECIALLY ADAPTED FOR LUBRICATING WIRE ROPE.
Claims use since Aug. 21, 1940.

Ser. No. 439,882. UNION LABEL OIL COMPANY, INC., New York, N. Y. Filed Jan. 22, 1941.

UNOIL

FOR LUBRICATING OILS.
Claims use since Jan. 21, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 444,773. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y. Filed June 23, 1941.

KELLSOY

FOR DRYING OILS AS OR IN COATING COMPOSITIONS AND SPECIFICALLY A MODIFIED SOYBEAN OIL.
Claims use since June 5, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 444,238. HENRY SPEN, INC., New York, N. Y. Filed June 5, 1941.

Henry Spen

TRAILERS

Applicant disclaims the word "Trailers" apart from the mark. "Henry Spen" is a facsimile of the signature of the president of applicant corporation.
FOR TRAILERS.
Claims use since May 16, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 432,868. PHILCO CORPORATION, Philadelphia, Pa., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware. Filed June 10, 1940.

XXL

FOR RADIO AND TELEVISION TUBES.
Claims use since May 9, 1940.

Ser. No. 440,948. NATIONAL UNION RADIO CORPORATION, Newark, N. J. Filed Feb. 24, 1941.

XXB

FOR RADIO AND TELEVISION TUBES.
Claims use since Feb. 4, 1941.

Ser. No. 440,949. NATIONAL UNION RADIO CORPORATION, Newark, N. J. Filed Feb. 24, 1941.

XXFM

FOR RADIO AND TELEVISION TUBES.
Claims use since Feb. 4, 1941.

Ser. No. 443,040. ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio. Filed Apr. 28, 1941.

PREMIER
Speedee

FOR ELECTRIC VACUUM CLEANERS AND PARTS THEREOF.
Claims use since February, 1941.

Ser. No. 445,044. ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio. Filed July 3, 1941.

Sani-Vac

FOR ELECTRIC VACUUM CLEANERS AND PARTS THEREOF.
Claims use since April, 1941.

Ser. No. 445,093. GLOBE AMERICAN CORPORATION, Macomb, Ill. Filed July 5, 1941.

BUG-A-CIDE

FOR ELECTRICAL INSECT DESTROYER.
Claims use since June 18, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 425,623. ALFRED BUSCH, doing business as M. Pech, Berlin, Germany. Filed Nov. 14, 1939.

Sinebula

FOR PAINT SPRAYING APPARATUS.
Claims use since Apr. 4, 1939.

Ser. No. 441,999. THE BLACK-CLAWSON COMPANY, Hamilton, Ohio. Filed Mar. 27, 1941.

Aqi-Flo

FOR PUMPING APPARATUS FOR HANDLING LIQUID MATERIAL.
Claims use since Sept. 8, 1939.

Ser. No. 444,048. LEMPCO PRODUCTS, INC., Bedford, Ohio. Filed May 29, 1941.

LEMPCO

FOR MACHINES AND TOOLS—NAMELY, WATER PUMPS SUITABLE FOR VEHICLES; LATHES; PRESSES—MECHANICAL, ELECTRICAL, AND HYDRAULIC; BORING MACHINES; GRINDERS—CYLINDRICAL AND PLANE, INTERNAL AND EXTERNAL; LAPPING MACHINES; DEGREASING MACHINES; DRILL PRESSES; SHAFTS—DRIVE, PINION, AND WORM; AND WORM GEARS.
Claims use since June, 1921.

Ser. No. 444,997. GRATON & KNIGHT COMPANY, Worcester, Mass. Filed July 1, 1941.

ORANGE

FOR LOOM SUPPLIES—NAMELY, LEATHER CHECK STRAPS, PICKERS, JACK STRAPS, HARNESS STRAPS, DOBBY CORDS, SPINDLE STRAPS, DOLL PICKERS, AND LOOM BUMPERS.
Claims use since Sept. 1, 1940.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 445,229. THE DIAMOND MATCH COMPANY, New York, N. Y. Filed July 10, 1941.

LIBERTY

FOR CLOTHES PINS.
Claims use since 1929.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 441,365. ART REEVES, Los Angeles, Calif. Filed Mar. 8, 1941.

Sensitester

FOR MACHINE COMBINING IN ONE DEVICE THE PROPERTIES OF BOTH THE SENSITOMETER AND A MACHINE FOR LIGHT TESTING TO DETERMINE THE CORRECT PRINTING EXPOSURE FOR PHOTOGRAPHIC FILM.
Claims use since Feb. 24, 1941.

Ser. No. 443,729. PACIFIC NEWS REEL THEATERS, INC., San Francisco, Calif. Filed May 20, 1941.

TELENEWS

FOR MOTION PICTURE FILMS.
Claims use since Sept. 7, 1939.

Ser. No. 445,089. ELEMATIC SALES CORPORATION, Blue Island, Ill. Filed July 5, 1941.

CARBOLAST

FOR PYROMETER ATTACHMENTS—NAMELY, THERMOCOUPLE PROTECTING TUBES.
Claims use since May 17, 1941.

Ser. No. 445,090. ELEMATIC SALES CORPORATION, Blue Island, Ill. Filed July 5, 1941.

METALAST

FOR PYROMETER ATTACHMENTS—NAMELY, THERMOCOUPLE PROTECTING TUBES.
Claims use since Jan. 18, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 442,030. COHN & ROSENBERGER, INC., New York, N. Y. Filed Mar. 28, 1941.

Star-Lite by Cohn — Star-Lite by Cohn

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since September, 1940.

Ser. No. 443,381. MILDRED VAN HORNE, Chicago, Ill. Filed May 8, 1941.

KEEBRACE

FOR BRACELETS.
Claims use since Apr. 18, 1941.

Ser. No. 444,832. NATIONAL SILVER COMPANY, New York, N. Y. Filed June 25, 1941.

CHIVALRY

FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE.
Claims use since May 3, 1941.

Ser. No. 444,833. NATIONAL SILVER COMPANY, New York, N. Y. Filed June 25, 1941.

DYNASTY

FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE.
Claims use since May 3, 1941.

Ser. No. 444,834. NATIONAL SILVER COMPANY, New York, N. Y. Filed June 25, 1941.

OLYMPUS

FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE.
Claims use since May 3, 1941.

Ser. No. 445,209. ONEIDA LTD., Sherrill and Oneida, N. Y. Filed July 9, 1941.

"I DO"

FOR SILVERPLATED FLATWARE.
Claims use since May 28, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 442,486. DOMORE CHAIR COMPANY, INC., Elkhart, Ind. Filed Apr. 11, 1941.

Postur-Matic

FOR CORRECT POSTURE TYPE OF OFFICE, HOUSEHOLD, AND FACTORY CHAIRS.
Claims use since Mar. 17, 1941.

Ser. No. 444,894. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed June 27, 1941.

HUGGER-KNITS

The word "Knits" is disclaimed apart from the mark.
FOR FURNITURE SLIP COVERS.
Claims use since Feb. 24, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 444,749. THE G. S. BLODGETT CO. INC., Burlington, Vt. Filed June 23, 1941.

BLODGETT

FOR BAKING AND ROASTING OVENS.
Claims use since 1850.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 437,343. SAMUEL MARTI, New York, N. Y. Filed Oct. 28, 1940.



Applicant claims as a trade-mark the representation of the goods only in conjunction with the name Carrillofon and disclaims the representation of the goods as such.
FOR PIANOS.
Claims use since Oct. 24, 1940.

Ser. No. 439,875. MUSIC STRINGS, INC., New York, N. Y. Filed Jan. 22, 1941.

NOTE-WORTHY

FOR STRINGS FOR MUSICAL INSTRUMENTS.
Claims use since July 1, 1940.

Ser. No. 445,052. GENERAL ELECTRIC COMPANY, Schnectady, N. Y. Filed July 3, 1941.

Musaphonic

FOR RADIO PHONOGRAPH COMBINATIONS.
Claims use since Nov. 7, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 438,145. MILWAUKEE LACE PAPER COMPANY, Milwaukee, Wis. Filed Nov. 22, 1940.

PURE-PANE

No claim is made to the word "Pane" apart from the mark.
FOR PAPER DOILIES.
Claims use since Oct. 4, 1940.

Ser. No. 444,486. BERMAT PRODUCTS CORP., New York, N. Y. Filed June 13, 1941.

Printator

FOR PAPER PADS AND WRITING PADS.
Claims use since May 29, 1939.

CLASS 38

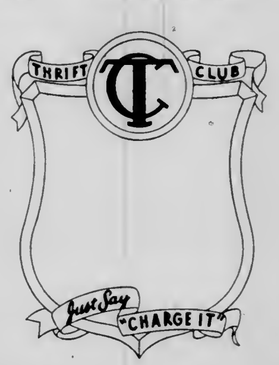
PRINTS AND PUBLICATIONS

Ser. No. 442,081. THE UNIVERSITY OF CHICAGO, Chicago, Ill. Filed Mar. 29, 1941.

ROUND TABLE

FOR PERIODICAL PUBLISHED WEEKLY.
Claims use since Feb. 1, 1931.

Ser. No. 443,000. FURNITURE SALES SERVICE CORPORATION, Chicago, Ill. Filed Apr. 26, 1941.



Applicant disclaims the words "Charge It" apart from the mark.
FOR ADVERTISING MATTER AND MAILING PIECES SOLD AND USED AS SUCH, NEWS LETTERS, PAMPHLETS, CIRCULARS, MERCHANDISE STAMPS, CERTIFICATES, AND COUPONS.
Claims use since Mar. 26, 1941.

Ser. No. 444,039. WILLIAM A. DRAKE, Blairstown, Belle Plaine, Marengo, Marshalltown, Grinnell, Newton, Cedar Rapids, Williamsburg, and South English, Iowa. Filed May 29, 1941.

The Lucky Shopper

FOR WEEKLY PUBLICATION WHICH PUBLICATION INCLUDES DESCRIPTIVE MATTER CONCERNING THE RULES FOR AND OPERATION OF A PARTICIPATING CO-OPERATIVE AND PROFIT SHARING PLAN, ANNOUNCEMENTS CONCERNING RADIO BROADCASTS, EDUCATIONAL MATTER CONCERNING FOODS AND THE STORAGE, COOKING AND PREPARATION OF SUCH FOODS, AND/OR ADVERTISING MATTER AND THE LIKE.
Claims use since Apr. 2, 1941.

Ser. No. 444,138. DETECTIVE COMICS, INC., New York, N. Y. Filed June 3, 1941.



FOR MAGAZINE PUBLICATION.
Claims use since Jan. 3, 1937.

Ser. No. 444,538. M. L. J. MAGAZINES, INC., New York, N. Y. Filed June 14, 1941.



FOR SERIES OF CARTOONS.
Claims use since July 30, 1940.

Ser. No. 444,883. TASOPE PUBLISHING COMPANY, Aurora, Mo. Filed June 26, 1941.

SALON

FOR MAGAZINE.
Claims use since June 1, 1941.

CLASS 39

CLOTHING

Ser. No. 444,795. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Filed June 24, 1941.

MIDDLEWEIGHT

champ

FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since Feb. 3, 1941.

Ser. No. 444,854. BARBOUR WELTING COMPANY, Brockton, Mass. Filed June 26, 1941.

BARWELT

The word "Welt" is disclaimed apart from the mark.
FOR SHOE WELTING.
Claims use since June 19, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 444,313. SEA SPRAY BEVERAGES, INC., Asbury Park, N. J. Filed June 7, 1941.

SEA SPRAY

FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since May 17, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 432,214. ELWAY FOOD PRODUCTS CORPORATION, New York, N. Y. Filed May 22, 1940.

Bonavita

FOR CURRANT JELLY, GRAPE JELLY, ORANGE MARMALADE, PLUM JAM AND CRANBERRIES, APRICOT PRESERVES, PEACH PRSERVES, RASPBERRY PRESERVES, SEEDLESS BLACK RASPBERRY PRESERVES, STRAWBERRY PRESERVES, CUCUMBER PICKLES, SPANISH OLIVES, CANNED CRABMEAT, CANNED SALMON, AND TOMATO JUICE.
Claims use since Oct. 23, 1937.

Ser. No. 435,975. GIROUX CO., INC., New York, N. Y. Filed Sept. 14, 1940.

ONE GRAND

FOR PANCAKE SYRUP, FRUIT SYRUP—NAMELY, RASPBERRY, ORANGE SYRUPS, AND SEASONINGS—NAMELY, WORCESTERSHIRE SAUCE, GARLIC FLAVOR, ONION JUICE, AND MARSHMALLOW CREAM.
Claims use since Aug. 23, 1940.

Ser. No. 439,147. F. W. HANSCHE & SONS, Racine, Wis. Filed Dec. 23, 1940.

LAKE SHORE

FOR POTATOES.
Claims use since August, 1938.

Ser. No. 439,657. S. H. KRESS AND COMPANY, New York, N. Y. Filed Jan. 14, 1941.

BETTY MAY

FOR CHOCOLATES.
Claims use since September, 1939.

Ser. No. 441,918. NASSER CANDY CO., San Francisco, Calif. Filed Mar. 25, 1941.

Nasser's
WHOPPERS

Applicant disclaims the word "Nasser's" apart from the mark.
FOR CANDY.
Claims use since Mar. 1, 1918.

Ser. No. 443,238. GERTRUDE E. TEELE, doing business as East India Curry Shop, New York, N. Y. Filed May 3, 1941.

East India

East India Curry Shop



No claim is made to the printed matter apart from the mark.
FOR CURRY SAUCE AND CHUTNEY.
Claims use since Jan. 2, 1938.

Ser. No. 443,344. FRANK C. REYNOLDS, Columbus, Ohio. Filed May 7, 1941.

STUFFERS

FOR SANDWICHES.
Claims use since Oct. 26, 1940.

Ser. No. 443,467. SYNFLEUR SCIENTIFIC LABORATORIES, INC., Monticello, N. Y. Filed May 10, 1941.

Synfleur

FOR IMITATION FLAVORING EXTRACT FOR FOOD PURPOSES.
Claims use since Jan. 1, 1905.

Ser. No. 444,681. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 19, 1941.

QUAKER

Applicant is the owner of the following registrations: 26,253, 56,708, and 102,012.
FOR SOUP.
Claims use since May 7, 1941.

Ser. No. 444,726. W. A. BROCK AND SON, INC., Elizabeth City, N. C. Filed June 21, 1941.

VIRGINIA DARE BRAND

The word "Brand" is disclaimed apart from the mark. The name "Virginia Dare" is the name of the first white child born in the American colonies.
FOR IRISH POTATOES IN THEIR NATURAL STATE.
Claims use since June 9, 1936.

Ser. No. 444,774. W. F. STRAUB & COMPANY, Chicago, Ill. Filed June 23, 1941.

Bob Link

FOR HONEY.
Claims use since June 1, 1928.

Ser. No. 444,809. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif. Filed June 24, 1941.

Granny's Pride

Applicant is the owner of trade-mark registration No. 356,603.
FOR CANNED FRUITS.
Claims use since June 4, 1941.

Ser. No. 444,138. DETECTIVE COMICS, INC., New York, N. Y. Filed June 3, 1941.



FOR MAGAZINE PUBLICATION.
Claims use since Jan. 3, 1937.

Ser. No. 444,538. M. L. J. MAGAZINES, INC., New York, N. Y. Filed June 14, 1941.



FOR SERIES OF CARTOONS.
Claims use since July 30, 1940.

Ser. No. 444,883. TASOPE PUBLISHING COMPANY, Aurora, Mo. Filed June 26, 1941.

SALON

FOR MAGAZINE.
Claims use since June 1, 1941.

CLASS 39

CLOTHING

Ser. No. 444,795. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Filed June 24, 1941.

MIDDLEWEIGHT

Champ

FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since Feb. 3, 1941.

Ser. No. 444,854. BABOUR WELTING COMPANY, Brockton, Mass. Filed June 26, 1941.

BARWELT

The word "Welt" is disclaimed apart from the mark.
FOR SHOE WELTING.
Claims use since June 19, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 444,313. SEA SPRAY BEVERAGES, INC., Asbury Park, N. J. Filed June 7, 1941.

SEA SPRAY

FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since May 17, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 432,214. ELWAY FOOD PRODUCTS CORPORATION, New York, N. Y. Filed May 22, 1940.

Bonavita

FOR CURRANT JELLY, GRAPE JELLY, ORANGE MARMALADE, PLUM JAM AND CRANBERRIES, APRICOT PRESERVES, PEACH PRSERVES, RASPBERRY PRESERVES, SEEDLESS BLACK RASPBERRY PRESERVES, STRAWBERRY PRESERVES, CUCUMBER PICKLES, SPANISH OLIVES, CANNED CRABMEAT, CANNED SALMON, AND TOMATO JUICE.
Claims use since Oct. 23, 1937.

Ser. No. 435,975. GIROUX CO., INC., New York, N. Y. Filed Sept. 14, 1940.

ONE GRAND

FOR PANCAKE SYRUP, FRUIT SYRUP—NAMELY, RASPBERRY, ORANGE SYRUPS, AND SEASONINGS—NAMELY, WORCESTERSHIRE SAUCE, GARLIC FLAVOR, ONION JUICE, AND MARSHMALLOW CREAM.
Claims use since Aug. 23, 1940.

Ser. No. 439,147. F. W. HANSCHE & SONS, Racine, Wis. Filed Dec. 23, 1940.

LAKE SHORE

FOR POTATOES.
Claims use since August, 1938.

Ser. No. 439,657. S. H. KRESS AND COMPANY, New York, N. Y. Filed Jan. 14, 1941.

BETTY MAY

FOR CHOCOLATES.
Claims use since September, 1939.

Ser. No. 441,918. NASSER CANDY CO., San Francisco, Calif. Filed Mar. 25, 1941.

Nasser's
WHOPPERS

Applicant disclaims the word "Nasser's" apart from the mark.
FOR CANDY.
Claims use since Mar. 1, 1918.

Ser. No. 443,238. GERTRUDE E. TEELE, doing business as East India Curry Shop, New York, N. Y. Filed May 3, 1941.

East India

East India Curry Shop



No claim is made to the printed matter apart from the mark.
FOR CURRY SAUCE AND CHUTNEY.
Claims use since Jan. 2, 1938.

Ser. No. 443,344. FRANK C. REYNOLDS, Columbus, Ohio. Filed May 7, 1941.

STUFFERS

FOR SANDWICHES.
Claims use since Oct. 26, 1940.

Ser. No. 443,467. SYNFLEUR SCIENTIFIC LABORATORIES, INC., Monticello, N. Y. Filed May 10, 1941.

Synfleur

FOR IMITATION FLAVORING EXTRACT FOR FOOD PURPOSES.
Claims use since Jan. 1, 1905.

Ser. No. 444,681. THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 19, 1941.

QUAKER

Applicant is the owner of the following registrations: 26,253, 56,708, and 102,012.
FOR SOUP.
Claims use since May 7, 1941.

Ser. No. 444,726. W. A. BROCK AND SON, INC., Elizabeth City, N. C. Filed June 21, 1941.

VIRGINIA DARE BRAND

The word "Brand" is disclaimed apart from the mark. The name "Virginia Dare" is the name of the first white child born in the American colonies.
FOR IRISH POTATOES IN THEIR NATURAL STATE.
Claims use since June 9, 1936.

Ser. No. 444,774. W. F. STRAUB & COMPANY, Chicago, Ill. Filed June 23, 1941.

Bob Link

FOR HONEY.
Claims use since June 1, 1928.

Ser. No. 444,809. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif. Filed June 24, 1941.

Granny's Pride

Applicant is the owner of trade-mark registration No. 356,603.
FOR CANNED FRUITS.
Claims use since June 4, 1941.

Ser. No. 444,835. OMAR INCORPORATED, Omaha, Nebr. Filed June 25, 1941.

HORSE 'N BUGGY

FOR PREPARED PANCAKE FLOUR.
Claims use since June 11, 1941.

Ser. No. 445,150. THE EUCLID CANDY CO. OF CALIFORNIA, INC., San Francisco, Calif. Filed July 7, 1941.

Captain JACK

FOR CANDY.
Claims use since June 4, 1941.

Ser. No. 445,164. B. J. WORKMAN, M. D., SR., doing business as Dr. B. J. Workman Orchards, Woodruff, S. C. Filed July 7, 1941.

COUNTRY DOCTOR

FOR FRESH PEACHES.
Claims use since July, 1940.

CLASS 47

WINES

Ser. No. 442,824. CHARLES BARNETT, doing business as Charles Barnett Company, New York, N. Y. Filed Apr. 22, 1941.



FOR IMPORTED SOUTH AMERICAN WINES.
Claims use since February, 1941.

Ser. No. 443,453. CHATEAU GAY LTD., Lewiston, N. Y. Filed May 10, 1941.

Chateau Gay

FOR WINES.
Claims use since August, 1934.

Ser. No. 443,688. VINCENT DE MESSIMY, INC., Chicago, Ill. Filed May 19, 1941.

VINDEMY

FOR WINES.
Claims use since Mar. 29, 1941.

Ser. No. 444,753. CAMEO VINEYARDS CO., Fresno, Calif. Filed June 23, 1941.

CROIX ROYALE

FOR WINES—NAMELY, VERMOUTH.
Claims use since June 9, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 442,383. AMERICAN BREWING CO. OF ROCHESTER, N. Y. INC., Rochester, N. Y. Filed Apr. 8, 1941.

"WEE" BOTTLE O'TAM

No claim is made to the terms "Wee Bottle" apart from the balance of the mark as shown.
FOR BEER, ALE, AND PORTER.
Claims use since Oct. 1, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 432,716. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed June 6, 1940.



The word "Rum" is disclaimed apart from the mark.
FOR RUM.
Claims use since May 3, 1940.

Ser. No. 442,762. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 19, 1941.

SNOW PEAK

FOR SLOE GIN.
Claims use since Apr. 7, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 443,007. THE HENRY HANGER COMPANY OF AMERICA, INC., New York, N. Y. Filed Apr. 26, 1941.



The drawing is lined for yellow, orange, red, violet, blue, and green.
FOR GARMENT HANGERS.
Claims use since Oct. 1, 1940.

Ser. No. 443,776. MELLO SHEEN CORPORATION, New York, N. Y. Filed May 21, 1941.



The word "Cloth" is disclaimed apart from the mark.
FOR WATER PROOF FABRICS IN THE PIECE.
Claims use since Nov. 14, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

AUGUST 26, 1941

389,846. BAGS OF PAPER, GLASSINE, CELLULOSE FILM, AND THE LIKE, WHICH ARE SOLD IN TRADE EMPTY. ONEIDA PAPER PRODUCTS, INC., New York, N. Y.
Filed October 25, 1938. Serial No. 412,040. PUBLISHED JUNE 17, 1941. Class 2.

389,847. CAMERAS FOR MAKING STILL AND MOTION PICTURES, EYE LEVEL AND REFLEX VIEW FINDERS, CAMERA ACCESSORIES, CAMERA EQUIPMENT, PHOTOGRAPHIC FILMS, TRIPODS, LENSES FOR CAMERAS AND PROJECTORS, SHUTTERS, EXPOSURE METERS, ATTACHMENTS FOR SYNCHRONIZING SHUTTERS, MOVING AND STILL PROJECTION SCREENS, NEGATIVE AND PRINT DRYERS, AND LIGHT FILTERS USED IN THE PHOTOGRAPHIC AND MOTION PICTURE INDUSTRY. RAYMOND KNAPP, Long Island City, N. Y.
Filed November 16, 1938. Serial No. 412,817. PUBLISHED JUNE 20, 1939. Class 26.

389,848. NASAL RESPIRATORS. THE GAFFORD PHARMACAL CO., Cleveland, Ohio.
Filed May 4, 1939. Serial No. 419,061. PUBLISHED JUNE 20, 1939. Class 44.

389,849. PASTEURIZED CHEESE. PURE CHEESE CORPORATION, Chicago, Ill.
Filed September 13, 1939. Serial No. 423,574. PUBLISHED JUNE 17, 1941. Class 46.

389,850. GLASS RODS AND TUBING. KIMBLE GLASS COMPANY, Vineland, N. J.
Filed November 8, 1939. Serial No. 425,414. PUBLISHED JANUARY 16, 1940. Class 33.

389,851. WINDMILLS, PUMP JACKS, GALVANIZED STEEL TOWERS, STEEL SILO LADDERS, AND STEEL MILK CAN RACKS. ELGIN WINDMILL COMPANY, Elgin, Ill.
Filed December 16, 1939. Serial No. 426,645. PUBLISHED JUNE 17, 1941. Class 23.

389,852. FOOD PRODUCTS—NAMELY, COFFEE, TOMATO CATSUP, AND SALT. RISHWAIN BROTHERS, Stockton, Calif.
Filed January 20, 1940. Serial No. 427,677. PUBLISHED JUNE 17, 1941. Class 46.

389,853. WINES. DELVINO GRAPE PRODUCTS CO. INC., New York, N. Y.
Filed January 29, 1940. Serial No. 427,969. PUBLISHED JUNE 17, 1941. Class 47.

389,854. WATER SYSTEMS—NAMELY, SHALLOW WELL WATER SYSTEMS, PUMPING UNITS, DEEP WELL PUMPING HEADS, ETC. RED JACKET MANUFACTURING COMPANY, Davenport, Iowa.
Filed March 21, 1940. Serial No. 429,826. PUBLISHED JULY 23, 1940. Class 23.

389,855. DOLLS, CHECKER-BOARDS AND MOVABLE PIECES, TOY BUILDING BLOCKS, AND CARTOON CUT-OUT TOYS. AMERICAN FEATURES, INC., Hollywood, Calif.
Filed March 1, 1940. Serial No. 429,084. PUBLISHED JUNE 17, 1941. Class 22.

389,856. SYNTHETIC RESINS. AMERICAN PHENOLIC CORPORATION, Chicago, Ill.
Filed April 19, 1940. Serial No. 430,937. PUBLISHED JUNE 17, 1941. Class 1.

389,857. ASPHALTIC COMPOUND FOR SEALING, INSULATING, OR WATERPROOFING EXTERIOR AND INTERIOR SURFACES. MCGREW PAINT & ASPHALT CO., Chicago, Ill.
Filed April 29, 1940. Serial No. 431,366. PUBLISHED MARCH 18, 1941. Class 12.

389,858. THERMOSTATS FOR ELECTRICAL CIRCUITS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed June 14, 1940. Serial No. 433,041. PUBLISHED JUNE 17, 1941. Class 26.

389,859. CLARINETS, CORNETS, TRUMPETS, SAXOPHONES, AND TROMBONES. SPIEGEL, INCORPORATED, Chicago, Ill.
Filed June 28, 1940. Serial No. 433,504. PUBLISHED DECEMBER 24, 1940. Class 36.

389,860. FRESH VEGETABLES—NAMELY, FRESH LETTUCE. W & S PACKING COMPANY, Salinas, Calif.
Filed July 23, 1940. Serial No. 434,255. PUBLISHED MAY 27, 1941. Class 46.

389,861. SILVERPLATED FLATWARE FOR TABLE USE AND THE LIKE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed August 28, 1940. Serial No. 435,458. PUBLISHED NOVEMBER 5, 1940. Class 28.

389,862. BEACH BLANKETS MADE FROM PAPER. MAURITZ A. STERNER, Forest Hills, N. Y.
Filed October 10, 1940. Serial No. 436,823. PUBLISHED JUNE 17, 1941. Class 37.

389,863. PECAN NUTS IN THE SHELL, SHELLED PECANS, AND PECAN MEATS. THAD HUCKABEE, Albany, Ga.
Filed October 11, 1940. Serial No. 436,869. PUBLISHED JUNE 10, 1941. Class 46.

389,864. DRESSED POULTRY. J. REUBEN CLARK, JR., Grantsville, Utah.
Filed October 14, 1940. Serial No. 436,921. PUBLISHED JUNE 17, 1941. Class 46.

389,865. PAINT AND VARNISH THINNERS. CALIFORNIA TEXAS OIL COMPANY, LIMITED, New York, N. Y.
Filed November 19, 1940. Serial No. 438,037. PUBLISHED JUNE 17, 1941. Class 16.

389,866. FOOD PRODUCT—NAMELY, A FROZEN CONFECTION. MOTT CARTON & PAPER CO., St. Louis, Mo.
Filed December 16, 1940. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 438,891. PUBLISHED JUNE 17, 1941. Class 46.

389,867. FOOD PRODUCT—NAMELY, A FROZEN CONFECTION. MOTT CARTON & PAPER CO., St. Louis, Mo.
Filed December 16, 1940. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 438,892. PUBLISHED JUNE 17, 1941. Class 46.

389,868. BUTTER, MACARONI PRODUCTS, NOODLES, AND PASTINA, A MACARONI PRODUCT CUT UP IN SMALL FANCIFUL SHAPES. V. LA ROSA & SONS, INC., Brooklyn, N. Y.
Filed December 26, 1940. Serial No. 439,200. PUBLISHED JUNE 17, 1941. Class 46.

389,869. COLOR CHART DIRECTORY, PUBLISHED FROM TIME TO TIME. THE LOWE BROTHERS COMPANY, Dayton, Ohio.
Filed January 6, 1941. Serial No. 439,443. PUBLISHED JUNE 10, 1941. Class 38.

389,870. NAME PINS, BAR PINS, BROOCHES, CLIPS, EARRINGS, FINGER RINGS, NECKLACES, BRACELETS, CHAINS, ETC. WALTER LAMPL, doing business as Lampl, New York, N. Y.
Filed January 16, 1941. Serial No. 439,719. PUBLISHED JUNE 3, 1941. Class 28.

389,871. FEATURE IN THE NATURE OF A PUZZLE PUBLISHED IN A CONTINUING SERIES IN A PERIODICAL PUBLICATION. CHARLES E. RUBINO, Chicago, Ill.
Filed January 18, 1941. Serial No. 439,781. PUBLISHED JUNE 10, 1941. Class 38.

389,872. SOUND RECORDING DEVICES AND ACCESSORIES—NAMELY, INSTANTANEOUS SOUND RECORDING BLANKS, SOUND RECORDING STYLI, SOUND EFFECTS KITS, AND RECORDING THREAD BRUSHES. AUDIO DEVICES, INC., New York, N. Y.
Filed January 21, 1941. Serial No. 439,793. PUBLISHED JUNE 17, 1941. Class 36.

389,873. ALUMINUM POWDER IN DRY AND PASTE FORM, ALUMINUM MIXING LACQUERS AND VARNISHES AND THINNERS THEREFOR, SOLD BOTH SEPARATELY AND COMBINED. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J.
Filed January 21, 1941. Serial No. 439,831. PUBLISHED JUNE 17, 1941. Class 16.

389,874. ASPHALT COMPOSITION ROOFING PUT UP IN ROLLS AND ALSO IN SHINGLES, ASPHALT IN DRUMS AND SACKS, ETC. LONE STAR ROOFING COMPANY, Houston, Tex.
Filed February 3, 1941. Serial No. 440,257. PUBLISHED JUNE 17, 1941. Class 12.

389,875. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed February 3, 1941. Serial No. 440,274. PUBLISHED JUNE 17, 1941. Class 21.

389,876. NEWSLETTERS. THE AMERICAN DAIRY CATTLE CLUB, Chicago, Ill.
Filed February 12, 1941. Serial No. 440,569. PUBLISHED JUNE 17, 1941. Class 38.

389,877. NEWSLETTERS. THE AMERICAN DAIRY CATTLE CLUB, Chicago, Ill.
Filed February 12, 1941. Serial No. 440,570. PUBLISHED JUNE 17, 1941. Class 38.

389,878. GENERATOR OF ULTRA-VIOLET AND INFRA RED RAYS USED FOR THERAPEUTIC PURPOSES. THE LIEBEL-FLARSHEIM COMPANY, Cincinnati, Ohio.
Filed February 12, 1941. Serial No. 440,603. PUBLISHED JUNE 17, 1941. Class 44.

389,879. MOTOR FUELS—NAMELY, GASOLINE, PETROLEUM DISTILLATE TO BE USED AS A MOTOR FUEL FOR INTERNAL COMBUSTION ENGINES, AND MENTHENOL FUEL. WALLACE EMETT FRANCISCO, doing business as Francisco Laboratory, Los Angeles, Calif.
Filed February 15, 1941. Serial No. 440,684. PUBLISHED JUNE 17, 1941. Class 15.

389,880. PUMPS. HAUSE VALVE COMPANY, Wichita, Kans., and Montpelier, Ohio.
Filed February 20, 1941. Serial No. 440,814. PUBLISHED JUNE 17, 1941. Class 23.

389,881. WINES. THE HILL DISTRIBUTING COMPANY, Columbus, Ohio.
Filed February 24, 1941. Serial No. 440,936. PUBLISHED JUNE 17, 1941. Class 47.

389,882. UPHOLSTERY AND SPOT CLEANERS, AND SOAP AND CLEANING COMPOUNDS FOR FLOORS AND METAL AND COMPOSITION SURFACES. IRVING M. MERDINGER, New York, N. Y.
Filed February 25, 1941. Serial No. 440,992. PUBLISHED JUNE 17, 1941. Class 4.

389,883. FUEL OIL, GASOLINE OIL, ILLUMINATING OIL, LUBRICATING OIL, GASOLINE, AND GEAR GREASE. BILLUPS PETROLEUM COMPANY, Greenwood, Indianola, Columbia, Natchez, Jackson, Belzoni, Gulfport, Clarksdale, Columbus, Itta Bena, and Durant, Miss.; Lake Charles, Jennings, Franklin, New Iberia, Opelousas, Alexandria, Amite, Hammond, New Orleans, Eunice, La., and Memphis, Tenn.
Filed February 26, 1941. Serial No. 441,012. PUBLISHED JUNE 17, 1941. Class 15.

389,884. MONTHLY PUBLICATIONS. BELL AIRCRAFT CORPORATION, Buffalo, N. Y.
Filed February 28, 1941. Serial No. 441,079. PUBLISHED JUNE 10, 1941. Class 38.

389,885. POPCORN VENDING MACHINES. HARVEY C. WHEELER, doing business as Geyser Quality Popcorn Company, Miami, Fla.
Filed March 4, 1941. Serial No. 441,222. PUBLISHED JUNE 17, 1941. Class 23.

389,886. STERLING SILVERWARE, FLATWARE, AND HOLLOWWARE MADE OF STERLING SILVER. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed March 5, 1941. Serial No. 441,243. PUBLISHED JUNE 3, 1941. Class 28.

389,887. PLAIN AND VALVED OIL WELL PLUNGERS. BRADFORD MOTOR WORKS, Bradford, Pa.
Filed March 8, 1941. Serial No. 441,344. PUBLISHED JUNE 17, 1941. Class 23.

389,888. HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND NECKTIES FOR MEN. ORBITEX, INC., New York, N. Y.
Filed March 8, 1941. Serial No. 441,362. PUBLISHED JUNE 17, 1941. Class 39.

389,889. OIL FILTER CARTRIDGES FOR AUTOMOBILE AND OTHER INTERNAL COMBUSTION ENGINES. ACCESSORIES CORPORATION, Gastonia, N. C.
Filed March 12, 1941. Serial No. 441,459. PUBLISHED JUNE 17, 1941. Class 23.

389,890. STEELS USED FOR TOOLS. SWEDISH STEEL MILLS' A. A., INC., New York, N. Y.
Filed March 12, 1941. Serial No. 441,492. PUBLISHED JUNE 17, 1941. Class 14.

389,891. PAPER BAGS. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed March 13, 1941. Serial No. 441,527. PUBLISHED JUNE 17, 1941. Class 2.

389,892. WINES. JOSEPH VENZA, doing business as California Sunset Products Co., New York, N. Y.
Filed March 13, 1941. Serial No. 441,528. PUBLISHED JUNE 17, 1941. Class 47.

389,893. BIT BRACES, HACK SAW FRAMES, TINNERS SNIPS, DRAWING KNIVES, PUSH DRILLS, VISES, ETC. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed March 15, 1941. Serial No. 441,585. PUBLISHED JUNE 17, 1941. Class 23.

389,894. CANDY—NAMELY, CHOCOLATE BARS. WILBUR-SUCHARD CHOCOLATE COMPANY, INC., Lititz, Pa.
Filed March 19, 1941. Serial No. 441,718. PUBLISHED JUNE 17, 1941. Class 46.

389,895. NEWSPAPER SYNDICATED FEATURE. PUBLIC LEDGER, INC., Philadelphia, Pa.
Filed March 21, 1941. Serial No. 441,783. PUBLISHED JUNE 3, 1941. Class 38.

389,896. NEWSPAPER SYNDICATED FEATURE. PUBLIC LEDGER, INC., Philadelphia, Pa.
Filed March 21, 1941. Serial No. 441,784. PUBLISHED JUNE 3, 1941. Class 38.

389,897. CIGARETTE PAPER. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C.
Filed March 22, 1941. Serial No. 441,814. PUBLISHED JUNE 17, 1941. Class 8.

389,898. PUZZLES AND PUZZLE GAMES. MURRAY GRUMETTE, doing business as Murray Grumette Co., Brooklyn, N. Y.
Filed March 22, 1941. Serial No. 441,820. PUBLISHED JUNE 17, 1941. Class 22.

389,899. MOULDED AND EXTRUDED PLASTICS IN THE FORMS OF ANGLES, CHANNELS, CAP SECTIONS, EDGINGS AND NOSINGS, INSIDE AND OUTSIDE CORNERS, SADDLES, COVES, ETC. R. D. WERNER CO., INC., New York, N. Y.
Filed March 22, 1941. Serial No. 441,838. PUBLISHED JUNE 3, 1941. Class 12.

389,900. CANNED BAKED BEANS. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif.
Filed March 24, 1941. Serial No. 441,880. PUBLISHED JUNE 17, 1941. Class 46.

389,901. CANNED BROWN BREAD. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif.
Filed March 24, 1941. Serial No. 441,881. PUBLISHED JUNE 17, 1941. Class 46.

389,902. OPHTHALMIC LENSES. VIRGINIA LENS COMPANY, INC., Petersburg, Va.
Filed March 24, 1941. Serial No. 441,890. PUBLISHED JUNE 17, 1941. Class 26.

389,903. LADIES' UNDERWEAR. THE FAIR, Chicago, Ill.
Filed March 26, 1941. Serial No. 441,955. PUBLISHED JUNE 17, 1941. Class 39.

389,904. PETROLEUM PRODUCTS—NAMELY, GASOLINE AND LUBRICATING OILS. CAPITOL TIRE & RUBBER CO., INC., Boston, Mass.
Filed March 27, 1941. Serial No. 442,001. PUBLISHED JUNE 3, 1941. Class 15.

389,905. STRIPS OR SHIMS OF COMPOSITION MATERIALS USED FOR BUILDING UP LIGHTWEIGHT FLOOR AND WALL COVERINGS TO CAUSE THE LATTER TO MATCH THICKER MATERIALS. THE B. & T. FLOOR COMPANY, Columbus, Ohio.
Filed March 28, 1941. Serial No. 442,023. PUBLISHED JUNE 17, 1941. Class 12.

389,906. NECKLACES, AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, ETC. COHN & ROSENBERGER, INC., New York, N. Y.
Filed March 28, 1941. Serial No. 442,029. PUBLISHED JUNE 17, 1941. Class 28.

389,907. TEXTILE RIBBONS MANUFACTURED FROM SILK, RAYON AND COMBINATIONS OF SILK, RAYON, COTTON, AND TINSEL, SOLD BY THE YARD, SPOOL, PIECE, OR BOLT. STARK BROS. RIBBON CORPORATION, New York, N. Y.
Filed April 1, 1941. Serial No. 442,180. PUBLISHED JUNE 17, 1941. Class 42.

389,908. LUBRICATING OIL. LION OIL REFINING COMPANY, El Dorado, Ark.
Filed April 2, 1941. Serial No. 442,198. PUBLISHED JUNE 10, 1941. Class 15.

389,909. COTTON TWINE. PIEDMONT COTTON MILLS, Egan, Ga.
Filed April 2, 1941. Serial No. 442,207. PUBLISHED JUNE 17, 1941. Class 7.

389,910. FRESH VEGETABLES. CHAS. SNYDER CO., INC., Salinas, Calif.
Filed April 2, 1941. Serial No. 442,216. PUBLISHED JUNE 17, 1941. Class 46.

389,911. LUBRICATING OILS AND GREASES. CHESTER S. ALLEN, Warren, Pa.
Filed April 3, 1941. Serial No. 442,224. PUBLISHED JUNE 3, 1941. Class 15.

389,912. SHEET MUSIC. SYMPROVISED MUSIC, INC., New York, N. Y.
Filed April 3, 1941. Serial No. 442,246. PUBLISHED JUNE 3, 1941. Class 38.

389,913. OLIVES. B. M. REEVES CO., INC., New York, N. Y.
Filed April 4, 1941. Serial No. 442,283. PUBLISHED JUNE 17, 1941. Class 46.

389,914. ALLOY STEEL. JOSEPH T. RYERSON & SON, INC., Chicago, Ill.
Filed April 4, 1941. Serial No. 442,287. PUBLISHED JUNE 17, 1941. Class 14.

389,915. WHITE SHOE CLEANER. ROCH D. KAWERK, doing business as June Bride Products Company, Birmingham, Ala.
Filed April 5, 1941. Serial No. 442,322. PUBLISHED JUNE 17, 1941. Class 4.

389,916. TRIM, EDGE, AND COVE STRIPS OF THERMO - PLASTIC COMPOSITION. PLASTEX TRIM CORPORATION, Columbus, Ohio.
Filed April 5, 1941. Serial No. 442,333. PUBLISHED JUNE 3, 1941. Class 12.

389,917. SEWER PIPE FABRICATED FROM CLAY COMPOUNDS. THE ROBINSON CLAY PRODUCT COMPANY, Akron, Ohio.
Filed April 5, 1941. Serial No. 442,335. PUBLISHED JUNE 17, 1941. Class 12.

389,918. ASPHALT ROOFING. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed April 5, 1941. Serial No. 442,344. PUBLISHED JUNE 3, 1941. Class 12.

389,919. OVERALLS, COVERALLS, AND WORK SHIRTS. BAKER MANUFACTURING COMPANY, Sioux City, Iowa.
Filed April 7, 1941. Serial No. 442,348. PUBLISHED JUNE 17, 1941. Class 39.

389,920. HEAT AND SOUND INSULATING UNITS. THE FELTERS COMPANY, Boston, Mass.
Filed April 9, 1941. Serial No. 442,414. PUBLISHED JUNE 10, 1941. Class 12.

389,921. SCRIPTS FOR A SERIES OF RADIO BROADCASTS, SOLD AS A PUBLICATION IN TRADE. LOUIS G. COWAN, Chicago, Ill.
Filed April 11, 1941. Serial No. 442,485. PUBLISHED JUNE 17, 1941. Class 38.

389,922. WEEKLY MAGAZINE. TIME, INCORPORATED, New York, N. Y.
Filed April 11, 1941. Serial No. 442,501. PUBLISHED JUNE 17, 1941. Class 38.

389,923. WEEKLY MAGAZINE. TIME, INCORPORATED, New York, N. Y.
Filed April 11, 1941. Serial No. 442,502. PUBLISHED JUNE 17, 1941. Class 38.

389,924. WEEKLY MAGAZINE. TIME, INCORPORATED, New York, N. Y.
Filed April 11, 1941. Serial No. 442,503. PUBLISHED JUNE 17, 1941. Class 38.

389,925. WHEAT CEREAL. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed April 14, 1941. Serial No. 442,563. PUBLISHED JUNE 17, 1941. Class 46.

389,926. RYE FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed April 14, 1941. Serial No. 442,564. PUBLISHED JUNE 17, 1941. Class 46.

389,927. BLUE PRINTS, VAN DYKE PRINTS, DIRECT POSITIVE PRINTS, PHOTOSTAT PRINTS, MAGNIGRAPH PRINTS, TRACING CLOTH PRINTS, PHOTOGRAPHIC PRINTS, PLANOGRAPHIC PRINTS, PHOTO-LITHOGRAPHIC PRINTS, AND LITHOPRINTS. SPAULDING-MOSS COMPANY, Boston, Mass.
Filed April 16, 1941. Serial No. 442,639. PUBLISHED JUNE 17, 1941. Class 38.

389,928. POSTING TRAYS, DESKS, FILE CABINETS, PORTABLE TRAYS, ADJUSTABLE STANDS FOR TRAYS AND CABINETS AND DIVIDERS ADAPTED TO CONTAIN ONLY CARDS ARRANGED IN ECHELON. VISTEM CORPORATION, New York, N. Y.
Filed April 16, 1941. Serial No. 442,644. PUBLISHED JUNE 17, 1941. Class 32.

389,929. NEWSPAPER COLUMN. THE SPORTING NEWS PUBLISHING COMPANY, doing business as Charles C. Spink & Son, St. Louis, Mo.
Filed April 17, 1941. Serial No. 442,672. PUBLISHED JUNE 17, 1941. Class 38.

389,930. NEWSPAPER COLUMN. THE SPORTING NEWS PUBLISHING COMPANY, doing business as Charles C. Spink & Son, St. Louis, Mo.
Filed April 17, 1941. Serial No. 442,673. PUBLISHED JUNE 17, 1941. Class 38.

289,931. PREPARATION USED IN THE MANUFACTURE OF ICE CREAM AS A BINDING AGENT, PRESERVING AGENT, AND FLAVORING AGENT. H. SCHOPPE & SCHULTZ, Hamburg, Germany.
Filed April 18, 1941. Serial No. 442,731. PUBLISHED JUNE 17, 1941. Class 46.

389,932. DENTAL PLATE CLEANER. EARL C. WEST, Mora, Minn.
Filed April 21, 1941. Serial No. 442,814. PUBLISHED JUNE 17, 1941. Class 4.

398,933. ADHESIVE OR BINDING TAPE. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed April 22, 1941. Serial No. 442,831. PUBLISHED JUNE 17, 1941. Class 5.

389,934. PHOTOGRAPHIC PRINTS AND ENLARGEMENTS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed April 22, 1941, under the act of February 20, 1905, as amended June 10, 1938. Serial No. 442,837. PUBLISHED JUNE 17, 1941. Class 38.

389,935. ENCYCLOPEDIA AND DIRECTORY PUBLISHED ANNUALLY. CHARLES E. THORP, doing business as Aircraft Publications, New York, N. Y.
Filed April 22, 1941. Serial No. 442,857. PUBLISHED JUNE 17, 1941. Class 38.

389,936. DENTAL EQUIPMENT STANDS. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed April 29, 1941. Serial No. 443,101. PUBLISHED JUNE 17, 1941. Class 44.

389,937. COMPOUNDED RUBBER PREPARATION USED IN THE MAKING AND REPAIRING OF TIRES. OLIVER TIRE & RUBBER COMPANY, Oakland, Calif.
Filed May 5, 1941. Serial No. 443,262. PUBLISHED JUNE 17, 1941. Class 35.

389,938. GOLF TEES. AMERICAN MOLDED PRODUCTS CO., Chicago, Ill.
Filed May 7, 1941. Serial No. 443,318. PUBLISHED JUNE 17, 1941. Class 22.

389,939. LIQUID FILTERS AND PARTS THEREOF PARTICULARLY ADAPTED FOR USE IN PURIFYING LUBRICATING OIL. INVESTO COMPANY, Los Angeles, Calif.
Filed May 7, 1941. Serial No. 443,329. PUBLISHED JUNE 17, 1941. Class 31.

389,940. GLUE. SWIFT AND COMPANY, Chicago, Ill.
Filed May 9, 1941. Serial No. 443,438. PUBLISHED JUNE 17, 1941. Class 5.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION
[ACT OF MARCH 19, 1920, SEC. 1 (b)]

389,941. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) ARIDYE CORPORATION, Fair Lawn, N. J. Filed Feb. 25, 1939. Serial No. 416,396.

AQUADYE

FOR TEXTILE PRINTING PASTES AND TEXTILE PRINTING COLORS.
Claims use since Feb. 9, 1939.

389,942. (CLASS 37. PAPER AND STATIONERY.) ORCHARD PAPER CO., St. Louis, Mo. Filed June 15, 1940. Serial No. 433,071.

BEAUTIFOIL

FOR METALLIC COATED WRAPPING PAPER IN THE FORM OF SHEETS OR ROLLS.
Claims use since Apr. 26, 1940.

389,943. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Filed June 17, 1940. Serial No. 433,106.

One A week

FOR CONCENTRATED VITAMIN A PREPARATION.
Claims use since June 3, 1940.

389,944. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) CHARLOTTE I. DENNER, doing business as "Correct Hold" Crochet Needle Co., Santa Rosa, Calif. Filed July 1, 1940. Serial No. 433,556.

"Correct Hold"

FOR CROCHET NEEDLES FOR HAND USE.
Claims use since June 20, 1940.

389,945. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SAMUEL SHINBACH, doing business as Bron-Shoe Co., Columbus, Ohio. Filed July 13, 1940. Serial No. 433,940.

BRON-Z-SHOE

SOLID-IZING PROCESS

FOR MEMENTOS IN THE FORM OF A NOVELTY EMBODYING A MOUNTED BABY'S SHOE SPECIALLY TREATED WITH A SPECIALLY PREPARED PRESERVATIVE.
Claims use since May 1, 1932.

389,946. (CLASS 37. PAPER AND STATIONERY.) MCLAURIN-JONES CO., Brookfield, Mass. Filed July 17, 1940. Serial No. 434,079.

SPARKLEKOTE

FOR LABEL PAPERS.
Claims use since June 10, 1940.

389,947. (CLASS 12. CONSTRUCTION MATERIALS.) SUPERIOR SKYLIGHT CO., INC., Long Island City, N. Y. Filed July 27, 1940. Serial No. 434,425.

Superior
INVISIBLE
Ventilator

FOR VENTILATOR DOORS.
Claims use since June 1, 1940.

389,948. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WILLIAM E. WRIGHT & SONS COMPANY, West Warren, Mass. Filed July 27, 1940. Serial No. 434,428.

Fused Cut Edges
RAYON RIBBON

FOR HANK RIBBONS.
Claims use since June 10, 1940.

389,949. (CLASS 13. HARDWARE AND PLUMBING, AND STEAM-FITTING SUPPLIES.) STAR EXPANSION BOLT COMPANY, New York, N. Y., assignor to Star Expansion Bolt Company, a corporation of Delaware. Filed Aug. 8, 1940. Serial No. 434,817.

STRIP-EASY

FOR FORM TIES.
Claims use since July 11, 1940.

389,950. (CLASS 15. OILS AND GREASES.) R. A. REIFF, INC., West Atlantic City, N. J. Filed Aug. 14, 1940. Serial No. 434,998.

GARDEN STATE

FOR MOTOR FUEL OILS, HEATING OILS AND LUBRICATING OILS AND GREASES.
Claims use since June 12, 1940.

389,951. (CLASS 31. FILTERS AND REFRIGERATORS.) SPECIALTY DEVELOPMENT CORPORATION, Los Angeles, Calif. Filed Aug. 24, 1940. Serial No. 435,374.

NONEBETTER
CUBER

FOR ICE FREEZING APPARATUS AND MACHINERY AND ACCESSORIES THERETO, REFRIGERATING AND COOLING EQUIPMENT AND ACCESSORIES THERETO.
Claims use since July 1, 1940.

389,952. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES MARCHAND COMPANY, New York, N. Y. Filed Oct. 26, 1940. Serial No. 437,315.

GRAY-BLUE

FOR HAIR RINSE.
Claims use since June 17, 1940.

389,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHYSICIANS & HOSPITALS SUPPLY CO. INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Filed Nov. 27, 1940. Serial No. 438,282.

NOVAK'S SOLUTION

FOR ANTISEPTIC SOLUTION FOR PRE-OPERATIVE PREPARATION OF THE SKIN.
Claims use since June 1, 1940.

389,954. (CLASS 39. CLOTHING.) KAYLON, INC., New York, N. Y. Filed Dec. 14, 1940. Serial No. 438,841.

KAYLON
Interlaken
STYLED BY Harry Bergen

FOR MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS.
Claims use since May 15, 1940.

389,955. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUSSELL F. ORR, LEECHBURG, Pa. Filed Jan. 25, 1941. Serial No. 439,972.

EVERLASTING

FOR MEDICINAL PREPARATION IN THE FORM OF A SALVE FOR TREATING CORNS.
Claims use since Mar. 1, 1940.

389,956. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MIN-O-RAL PRODUCTS COMPANY, Detroit, Mich. Filed Feb. 7, 1941. Serial No. 440,422.

MIN-O-RAL

FOR NATURAL MINERAL WATER AND CONCENTRATES FOR MAKING THE SAME.
Claims use since July 1, 1939.

389,957. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SAM SILVERMAN, doing business as S. Silverman Company, Cincinnati, Ohio. Filed Feb. 24, 1941. Serial No. 440,961.

MARINE

THE WATCH FOR "MEN OF ACTION"
WATERPROOF-SHOCKPROOF-DUSTPROOF

FOR WATCHES AND CLOCKS.
Claims use since Jan. 15, 1936.

389,958. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PENTON PUBLISHING COMPANY, Cleveland, Ohio. Filed Apr. 12, 1941. Serial No. 442,537.

STEEL

FOR A PERIODICAL.
Claims use since Oct. 1, 1930.

389,959. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILSON-SNYDER MANUFACTURING CORPORATION, Braddock, Pa. Filed May 6, 1941. Serial No. 443,314.

ERIE BALL ENGINE

FOR STEAM ENGINES.
Claims use since Jan. 1, 1924.

389,960. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HAROLD J. SEARER, doing business as Akron Linen Products Company, Akron, Ohio. Filed May 8, 1941. Serial No. 443,374.

SINGAPORE

FOR WRIST WATCH STRAPS MADE OF LEATHER, LINEN, OR MOLDED PLASTIC.
Claims use since October, 1932.

389,961. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FABRI-STEEL PRODUCTS, INCORPORATED, Detroit, Mich. Filed May 22, 1941. Serial No. 443,807.

FAST-ON

FOR CLINCH NUTS AND CLIPS FOR HOLDING AND LOCATING NUTS IN POSITION ON OTHER ELEMENTS PRIOR TO THE INSERTION OF A BOLT.
Claims use since Jan. 10, 1940.

389,962. (CLASS 33. GLASSWARE.) PYRENE MANUFACTURING COMPANY, Newark, N. J. Filed May 29, 1941. Serial No. 444,053.

HEETPRUF

FOR GLASS BOTTLES FOR USE IN FIRE EXTINGUISHERS.
Claims use since May 14, 1940.

389,963. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. DAVIS & SONS, INC., New York, N. Y. Filed May 31, 1941. Serial No. 444,076.

GUILFORD TWEEDS

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Jan. 2, 1940.

389,964. (CLASS 15. OILS AND GREASES.) HARRY AUGEN, Brooklyn, N. Y. Filed June 4, 1941. Serial No. 444,172.

ORIGINAL STAINLESS
GREASE STICK

FOR LUBRICATING GREASE STICKS.
Claims use since October, 1938.

389,965. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed June 7, 1941. Serial No. 444,300.

DOLE

FOR CITRIC ACID.
Claims use since 1931.

389,966. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PRINCETON WORSTED MILLS, INC., New York, N. Y. Filed June 9, 1941. Serial No. 444,355.

TRIPLE COOL

MADE FROM CRISP TWISTED YARN

FOR WOOLEN AND WORSTED TEXTILE FABRICS IN THE PIECE.

Claims use since Feb. 1, 1940.

389,967. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FREDERICK POST COMPANY, Chicago, Ill. Filed June 11, 1941. Serial No. 444,416.

POST

FOR DEVELOPERS AND ERASING FLUIDS FOR BLUEPRINTS; DEVELOPERS AND ERASING FLUIDS FOR DIRECT PRINTING SENSITIZED PAPERS AND CLOTHS; SILVER-PRINT AND DYE-LINE ERADICATORS; TRANSPARENTIZING FLUIDS FOR TRACING PAPERS AND CLOTHS; FIXATIVE COMPOSITIONS.

Claims use since Jan. 10, 1936.

TRADE-MARK REGISTRATIONS RENEWED

141,214. **SATURNALIA.** COTTON BELTING AND HAIR BELTING. Registered April 12, 1921. "SCANDINAVIA" BELTING LTD., London, England. Renewed April 12, 1941, to British Belting & Asbestos Limited, Cleckheaton, England, a corporation of Great Britain, assignee.

141,610. **METRO.** CHOCOLATE CANDY. Registered April 26, 1921. THE METRO CHOCOLATE CO. INC., Brooklyn, N. Y., a corporation of New York. Renewed April 26, 1941.

142,142. **METRO SULPHATE.** FERTILIZERS, BEING SULFATES. Registered May 3, 1921. SOUTH METROPOLITAN GAS COMPANY, London, England, an organized company of Great Britain. Renewed May 3, 1941.

143,376. **COOKELLIZED.** DRIED CRANBERRIES, CORN, CARROTS, MIXED VEGETABLES, SWEET POTATOES, AND OTHER VEGETABLES AND FRUITS OF THE TYPE KNOWN AS EVAPORATED. Registered May 31, 1921. JOHN F. KELLY. Renewed May 31, 1941, to Helen T. Kelly, administratrix of the estate of John F. Kelly, deceased, Pittsfield, Mass.

144,353. **KARMANUT.** ICE-CREAM. Registered July 5, 1921. BREYER ICE CREAM COMPANY. Renewed July 5, 1941, to Breyer Ice Cream Company, Philadelphia, Pa., a corporation of Delaware, assignee by mesne assignments.

144,396. **SIDSONS.** CIGARS, CIGARETTES, AND SMOKING-TOBACCO, CHEWING-TOBACCO, AND SCRAP-TOBACCO. Registered July 5, 1921. SIDNEY J. FREEMAN & SONS, New York, N. Y., a firm. Renewed July 5, 1941.

144,708. **BREYER'S.** ICE-CREAM. Registered July 19, 1921. BREYER ICE CREAM COMPANY. Renewed July 19, 1941, to Breyer Ice Cream Company, Philadelphia, Pa., a corporation of Delaware, assignee by mesne assignments.

145,872. **ARISTOL.** ANTISEPTIC POWDER. Registered August 16, 1921. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., a corporation of New York. Renewed August 16, 1941.

146,014. **PLANTATION.** AN ANTISEPTIC. Registered August 23, 1921. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn. Renewed August 23, 1941, to William J. Wardall, trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y., assignee by mesne assignments.

146,317. **OWS CO.** CERTAIN MACHINERY AND TOOLS. Registered September 6, 1921. OIL WELL SUPPLY COMPANY, Pittsburgh, Pa. Renewed September 6, 1941, to Oil Well Supply Company, Oil City, Pa., a corporation of New Jersey, assignee.

146,554. **KEMICK.** PAINT THAT IS USED TO ADVANTAGE ON SURFACES EXPOSED TO HEAT. Registered September 13, 1921. AMERICAN CHEMICAL PAINT COMPANY, Philadelphia, Pa. Renewed September 13, 1941, to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware.

146,580. **TORELLO.** THREAD AND YARN. Registered September 13, 1921. J. & P. COATS (R. I.) INC., Pawtucket, R. I., a corporation of Rhode Island. Renewed September 13, 1941.

146,885. **JUCO.** JUTE AND COTTON BATS. Registered September 20, 1921. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed September 20, 1941.

147,373. **MUNSING WEAR.** HOSIERY AND UNDERWEAR, SUCH UNDERWEAR BEING OF KNITTED AND TEXTILE FABRIC. Registered October 11, 1921. THE MUNSINGWEAR CORPORATION. Renewed October 11, 1941, to Munsingwear, Inc., Minneapolis, Minnesota, a corporation of Delaware, assignee.

148,025. **FLEXLUME.** ELECTRICALLY-ILLUMINATED SIGNS. Registered November 8, 1921. FLEXLUME SIGN COMPANY. Renewed November 8, 1941, to Flexlume Corporation, Buffalo, N. Y., a corporation of New York, by change of name.

148,068. **STANFORD.** DRIED FRUITS AND CANNED FRUITS. Registered November 8, 1921. O. A. HARLAN & Co. Renewed November 8, 1941, to California Prune & Apricot Growers Association, San Jose, Calif., a corporation of California, assignee.

148,117. **WHITE CRYSTAL.** PICKLED, DRIED, SALTED, SMOKED, AND CANNED FISH. Registered November 8, 1921. KOELLISCH & FORTMANN, INC. Renewed November 8, 1941, to Fortmann, Doscher & Co., Inc., New York, N. Y., a corporation of New York, assignee.

148,384. **KANDY KAKE.** CANDY. Registered November 15, 1921. THE CURTISS CANDY COMPANY, Chicago, Ill., a corporation of Illinois. Renewed November 15, 1941.

149,252. **HOME WEVE.** PAPER TOWELS. Registered December 6, 1921. STEVENS & THOMPSON PAPER COMPANY, Greenwich, N. Y., a corporation of New York. Renewed December 6, 1941.

149,538. **VAN VLEET'S.** A MEDICINAL PREPARATION KNOWN AS A CHILL-TONIC. Registered December 13, 1921. VAN VLEET-MANSFIELD DRUG CO., Memphis, Tenn. Renewed December 13, 1941, to William J. Wardall, trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y., assignee by mesne assignments.

149,711. **SUNDAY NEWS.** NEWSPAPERS PUBLISHED IN THE CITY OF NEW YORK. Registered December 20, 1921. NEWS SYNDICATE CO., INC., New York, N. Y., a corporation of New York. Renewed December 20, 1941.

149,732. **HYDRA-CALCITE.** A CALCAREOUS COMPOSITION FOR SOIL IMPROVEMENT. Registered December 20, 1921. SECURITY CEMENT & LIME CO., Hagerstown, Md. Renewed December 20, 1941, to North American Cement Corporation, Albany, N. Y., a corporation of Delaware, assignee.

149,745. **GOODYEAR.** CERTAIN BOOT AND SHOE MACHINES AND TOOLS. Registered December 20, 1921. UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Renewed December 20, 1941, to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass., a corporation of New Jersey.

149,820. **PURITAN.** ROUND AND FLAT PAPER DRINKING-CUPS. Registered December 27, 1921. THE AMERICAN PAPER GOODS COMPANY, Kensington, Conn., a corporation of New Jersey. Renewed December 27, 1941.

149,847. **CONSOLIDATED.** CERTAIN METAL-WORKING MACHINERY AND TOOLS. Registered December 27, 1921. E. W. BLISS COMPANY. Renewed December 27, 1941, to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware, assignee.

149,942. **THE DIPPER.** A TITLE FOR A MONTHLY PUBLICATION. Registered December 27, 1921. THE HENDLER CREAMERY COMPANY, Baltimore, Md. Renewed December 27, 1941, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments.

150,042. **PALS.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered December 27, 1921. B. L. PALLEYESCH. Renewed December 27, 1941, to Matilda Paley, Brooklyn, N. Y., assignee by mesne assignments.

150,047. **POLLY.** HAMS, BACON, AND LARD. Registered December 27, 1921. PATRICK-YOUNG COMPANY, INCORPORATED, Richmond, Va., a corporation of Virginia. Renewed December 27, 1941.

150,073. **MANHATTAN.** KNIT AND WOVEN UNDERWEAR, HOSIERY, BATHING-SUITS, AND SWEATERS. Registered December 27, 1921. ROBERT REIS & Co., New York, N. Y., a corporation of New York. Renewed December 27, 1941.

150,127. **MOUNTAIN MIST.** COTTON-BATTING. Registered December 27, 1921. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed December 27, 1941.

150,129. **ROOKWOOD.** COTTON-BATTING. Registered December 27, 1921. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed December 27, 1941.

150,131 **TRUE BLUE.** COTTON-BATTING. Registered December 27, 1921. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed December 27, 1941.

150,132. **CENTURY.** COTTON-BATTING. Registered December 27, 1921. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed December 27, 1941.

150,292. **LUSTERLITE.** VITREOUS OR PORCELAIN ENAMEL TO BE BAKED ON METAL WARE. Registered January 3, 1922. CHICAGO VITREOUS ENAMEL PRODUCT COMPANY, Cicero, Ill., a corporation of Illinois. Renewed January 3, 1942.

150,295. **IMPERIAL.** TENTS, AWNINGS, PAULINS, TARPAULINS, AND DETACHED WATERPROOF WAGON COVERS. Registered January 3, 1922. CLIFTON MFG. COMPANY, Waco, Tex., a firm. Renewed January 3, 1942.

150,296. **EUREKA.** TENTS, AWNINGS, PAULINS, TARPAULINS, AND DETACHED WATERPROOF WAGON COVERS. Registered January 3, 1922. CLIFTON MFG. COMPANY, Waco, Tex., a firm. Renewed January 3, 1942.

150,297. **LONE STAR.** TENTS, AWNINGS, PAULINS, TARPAULINS, AND DETACHED WATERPROOF WAGON COVERS. Registered January 3, 1922. CLIFTON MFG. COMPANY, Waco, Tex., a firm. Renewed January 3, 1942.

150,298. **DIXIE.** TENTS, AWNINGS, PAULINS, TARPAULINS, AND DETACHED WATERPROOF WAGON COVERS. Registered January 3, 1922. CLIFTON MFG. COMPANY, Waco, Tex., a firm. Renewed January 3, 1942.

150,299. **REGAL.** TENTS, AWNINGS, PAULINS, TARPAULINS, AND DETACHED WATERPROOF WAGON COVERS. Registered January 3, 1922. CLIFTON MFG. COMPANY, Waco, Tex., a firm. Renewed January 3, 1942.

150,414. **BEAU IDEAL.** SWEATERS. Registered January 3, 1922. IDEAL LINEN MESH COMPANY, Poughkeepsie, N. Y., a corporation of New York. Renewed January 3, 1942.

150,423. **NOX-INK.** CHEMICAL COMPOUND FOR REMOVING INK FROM PRINTING ROLLS, INK PLATES, TYPE, ETC. Registered January 3, 1922. CHARLES ENEU JOHNSON & COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed January 3, 1942.

150,445. **TRIANGLE.** FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES. Registered January 3, 1922. LAKE REGION PACKING ASSOCIATION, Tavares, Fla., a corporation of Florida. Renewed January 3, 1942.

150,447. **CALA HYDROL.** AN INTESTINAL LUBRICANT. Registered January 3, 1922. LANGLEY & MICHAELS COMPANY, San Francisco, Calif. Renewed January 3, 1942, to William J. Wardall, trustee of the estate of McKessen & Robbins, Inc., debtor, New York, N. Y., assignee by mesne assignments.

150,449. **L.** CERTAIN NAMED PACKING HOUSE PRODUCTS. Registered January 3, 1922. JOHN LEWIS & COMPANY, Spokane, Wash., a corporation of Washington. Renewed January 3, 1942.

150,474. **GOLD BAR.** CREAMERY-BUTTER. Registered January 3, 1922. THE MERIDEN CREAMERY COMPANY. Renewed January 3, 1942, to American Dairies, Inc., Kansas City, Mo., a corporation of Maryland, assignee.

150,504. **OR-BLOS.** TALCUM POWDER, FACE POWDER, PERFUME, TOILET WATER. Registered January 3, 1922. OR-BLOS-CO., Jacksonville, Fla., a corporation of Florida. Renewed January 3, 1942.

150,577. **WESSON 22.** PREPARED FATTY OLEAGINOUS OR UNCTUOUS FOOD SUBSTANCES. Registered January 3, 1922. THE SOUTHERN COTTON OIL COMPANY, Jersey City and Bayonne, N. J., New York, N. Y., Gretna, La., Savannah, Ga., and Chicago, Ill. Renewed January 3, 1942, to The Southern Cotton Oil Company, New Orleans, La., a corporation of New Jersey.

150,578. **WESSON 44.** PREPARED FATTY OLEAGINOUS OR UNCTUOUS FOOD SUBSTANCES. Registered January 3, 1922. THE SOUTHERN COTTON OIL COMPANY, Jersey City and Bayonne, N. J., New York, N. Y., Gretna, La., Savannah, Ga., and Chicago, Ill. Renewed January 3, 1942, to The Southern Cotton Oil Company, New Orleans, La., a corporation of New Jersey.

150,581. **WESSON 77.** PREPARED FATTY OLEAGINOUS OR UNCTUOUS FOOD SUBSTANCES. Registered January 3, 1922. THE SOUTHERN COTTON OIL COMPANY, Jersey City and Bayonne, N. J., New York, N. Y., Gretna, La., Savannah, Ga., and Chicago, Ill. Renewed January 3, 1942, to The Southern Cotton Oil Company, New Orleans, La., a corporation of New Jersey.

150,582. **WESSON 88.** PREPARED FATTY OLEAGINOUS OR UNCTUOUS FOOD SUBSTANCES. Registered January 3, 1922. THE SOUTHERN COTTON OIL COMPANY, Jersey City and Bayonne, N. J., New York, N. Y., Gretna, La., Savannah, Ga., and Chicago, Ill. Renewed January 3, 1942, to The Southern Cotton Oil Company, New Orleans, La., a corporation of New Jersey.

150,591. **SAPPHIRE.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,593. **PRINCESS.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,594. **EROLINE.** COTTON BATTING, PARTICULARLY GLAZED COTTON WADDING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,596. **EXTRA.** COTTON BATTING, PARTICULARLY GLAZED COTTON WADDING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,597. **VICTORIA.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,599. **ECONOMY.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,600. **GOVERNOR.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,602. **PARAGON.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,603. **PEARL.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,605. **STERLING.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,606. **SUCCESS.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,607. **SAMSON.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,608. **CRICKET.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,609. **MOONLIGHT.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,610. **WHITE ROSE.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,612. **RUBY.** COTTON BATTING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,613. **BB.** COTTON BATTING, PARTICULARLY GLAZED COTTON WADDING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,614. **BUCKEYE.** COTTON BATTING, PARTICULARLY GLAZED COTTON WADDING. Registered January 3, 1922. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Renewed January 3, 1942.

150,624. **TRIAD T.** DRIED BEANS OF ALL KINDS. Registered January 3, 1922. THE TRINIDAD BEAN AND ELEVATOR COMPANY, Trinidad, Colo. Renewed January 3, 1942, to The Trinidad Bean and Elevator Company, Denver, Colo., a corporation of Colorado.

150,657. **TOWN TALK.** PAPER BAGS. Registered January 3, 1922. WORTENDYKE MANUFACTURING CO., Richmond, Va., a corporation of Virginia. Renewed January 3, 1942.

REISSUES

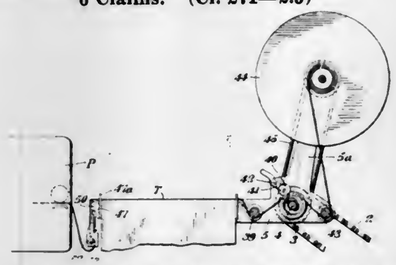
AUGUST 26, 1941

21,884
APPARATUS FOR PULLING TAPE

Jonathan S. Cavalcante, Brooklyn, N. Y., assignor to Trans-Lux Corporation, a corporation of Delaware

Original No. 2,134,998, dated November 1, 1938, Serial No. 596,143, March 1, 1932. Renewed March 29, 1938. Application for reissue December 7, 1939, Serial No. 308,013

6 Claims. (Cl. 271—2.3)



5. In a tape-pulling system, means for drawing a character-bearing tape through a projection field after ejection thereof from a printing mechanism, spaced members with which the tape is adapted to engage as it passes from the printing mechanism to said projection field, a support for each of said spaced members, said supports being mounted in such manner that they are incapable of relative movement toward or from each other, said members causing a section of the tape between said projection field and said printing mechanism to be generally of S-configuration whereby, when operation of said printing mechanism is discontinued, the frictional engagement of said tape with said members is increased, and means whereby such increase in friction on the tape causes discontinuation of tape movement under the control of said drawing means.

6. In a tape-pulling system, means for drawing a character-bearing tape through a projection field after ejection thereof from a printing mechanism, spaced members with which the tape is adapted to engage as it passes from the printing mechanism to said projection field, means for mounting said spaced members in such manner that they are incapable of relative movement toward or from each other, said members causing a section of the tape between said projection field and said printing mechanism to be generally of S-configuration whereby, when operation of said printing mechanism is discontinued, the frictional engagement of said tape with said members is increased, and means whereby such increase in friction on the tape causes discontinuation of tape movement under the control of said drawing means.

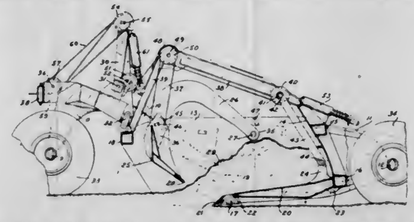
21,885
TILTABLE BOTTOM CABLE OPERATED SCRAPER

Henry C. French, Elm Grove, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Original No. 2,229,241, dated January 21, 1941, Serial No. 300,187, October 19, 1939. Application for reissue July 7, 1941, Serial No. 401,340

36 Claims. (Cl. 37—126)

27. In combination, a transportable frame, a load carrying element forming a bottom movable relative to said frame, a track carried centrally above said frame, sheaves movable along said



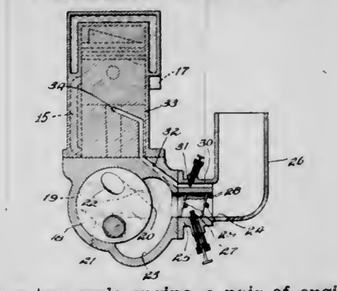
track and being connected to said element, and a cable for advancing said sheaves along said track to move said element relative to said frame.

21,886
INTERNAL COMBUSTION ENGINE

Clarence L. Johnson, Waukegan, Ill., assignor to Johnson Brothers Engineering Corporation, Waukegan, Ill., a corporation of Indiana

Original No. 2,118,761, dated May 24, 1938, Serial No. 95,869, August 13, 1936. Application for reissue April 9, 1941, Serial No. 387,727

26 Claims. (Cl. 123—59)



1. In a two cycle engine, a pair of engine cylinders, a crank shaft enclosing chamber for each of said cylinders, a crank shaft enclosed within said crank shaft enclosing chamber, a rotary valve connected with said crank shaft, said rotary valve being positioned between said chambers and forming a distributor for the opposite compression chambers, means for supplying a fixed amount of fuel to the compression chambers, and means for supplying a variable amount of fuel through the rotary valve to the compression chambers.

21,887
TOBACCO POUCH

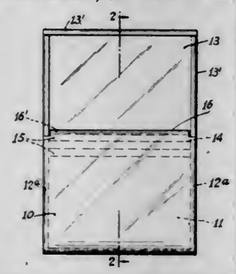
Louis M. Klein, New York, N. Y., assignor to American Pouch Corporation, a corporation of Illinois

Original No. 2,161,474, dated June 6, 1939, Serial No. 165,102, September 22, 1937. Application for reissue September 6, 1940, Serial No. 355,636

11 Claims. (Cl. 229—87.5)

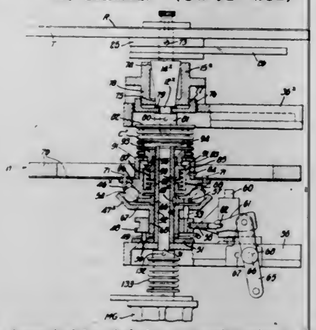
1. A tobacco pouch comprising a strip of sheet material having front and rear panels joined at the bottom and sides forming a container open at the top, and a flap portion continuing from the top edge of the rear panel, a reinforcing strip

of relatively stiff material attached on the edge portion of the front panel and spaced in slightly from the free edge thereof and extending the width of the container, the inner surfaces of said



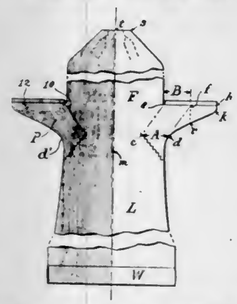
pouch being formed of non-tacky and non-cohesive material and tacky material on the inner face of the front panel to either side of said reinforcing strip and adapted to stick on the rear panel to close the pouch.

21,888
PHONOGRAPH DRIVE
Barton A. Proctor, Larchmont, N. Y., assignor to B. A. Proctor Company, Inc., New York, N. Y., a corporation of New York
Original No. 2,188,087, dated January 23, 1940, Serial No. 103,269, September 30, 1936. Renewed November 16, 1939. Application for reissue February 21, 1941, Serial No. 380,025
17 Claims. (Cl. 74—281)



1. A turntable driving mechanism for phonographs comprising, in combination, an annular member adapted to turn the table when itself rotated, a second annular member disposed coaxially with, and adjacent to, said first-named annular member, a ring of rolling members intermediate said annular members, a cage member of annular form for said ring of rolling members, a drive shaft extending through both said annular members and connected at an intermediate point to said cage member and coupling means adapted to control actuation of said turntable through said annular members at different speeds selectively, said annular members, rolling members, and coupling means being so co-ordinated that said driving means may be rotated at a constant minimum speed, less than that of certain of the selective speeds.

21,889
HOSIERY
Joseph C. J. Strahan, New York, N. Y.
Original No. 2,236,584, dated April 1, 1941, Serial No. 212,711, June 9, 1938. Application for reissue June 19, 1941, Serial No. 398,855
9 Claims. (Cl. 66—187)



7. A blank for a full fashioned stocking made of continuous and uninterrupted knitting and having a leg portion and a foot portion, said foot portion comprising sole and instep portions and oppositely and laterally extending heel portions, the courses of said heel portions being continuous with the courses of the instep portion, said heel portions having each an edge extending outwardly from the adjacent lateral edge of the sole portion to the outermost edge of the heel portion, the combined length of said edges of the sole and heel portions being greater than the length of the median line from the toe to the instep.

21,890
INDUSTRIAL AND PAPERMAKERS' FELTS
Patrick H. Walsh, Boston, Mass., and Percival T. Gates, Montclair, N. J., assignors to Drycor Felt Company, Belleville, N. J., a corporation of New Jersey
Original No. 2,165,772, dated July 11, 1939, Serial No. 140,652, May 4, 1937. Application for reissue January 2, 1940, Serial No. 312,689
3 Claims. (Cl. 28—4)



1. As a new article of manufacture, papermakers' felts for use in papermaking machinery for supporting and draining paper-making material, comprising a base fabric consisting of ply strands forming the warp, with cable twisted strands constituting the filling, said ply strands being relatively less stretching than said cable twisted strands, a plurality of needled fleeces at the opposite surfaces of said base material, the top surface comprising a closely needled smooth fleece for carrying pulp material, and the bottom surface comprising a fleece of coarser form permitting drainage from the pulp material therethru free of clogging, and said coarser fleece constituting a wear-resisting surface for driving over pulleys.

PLANT PATENTS

GRANTED AUGUST 26, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

486
FREESIA PLANT
Cornelius John Van Bourgondien, Babylon, N. Y., assignor to C. J. Van Bourgondien, Inc., Babylon, N. Y.
Application April 29, 1941, Serial No. 391,009
1 Claim. (Cl. 47—60)

The new and distinct variety of giant freesia plant herein shown and described, characterized particularly by its large and vigorous growth; its prolific production of large corms; its abundant and very narrow foliage; its tall, strong, upright, well-branched flower stems; and its prolific production of very large flowers of particularly good substance, excellent keeping qualities and distinctive lavender pink tinting on white, as indicated.

487
FREESIA PLANT
Cornelius John Van Bourgondien, Babylon, N. Y., assignor to C. J. Van Bourgondien, Inc., Babylon, N. Y.
Application April 29, 1941, Serial No. 391,010
1 Claim. (Cl. 47—60)

The new and distinct variety of giant freesia plant herein shown and described, characterized particularly by its large and vigorous growth; its prolific production of very large corms; its exceedingly sturdy, tall and upright flower stems; its prolific production of very large, fleshy flowers having particularly splendid keeping qualities; its exceptionally long blossoming season; and the excellent substance and predominantly waxy-white, lily-like appearance of its flowers as indicated.

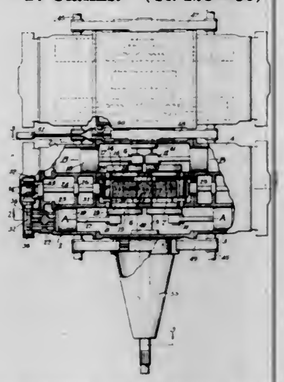
488
FREESIA PLANT
Cornelius John Van Bourgondien, Babylon, N. Y., assignor to C. J. Van Bourgondien, Inc., Babylon, N. Y.
Application April 29, 1941, Serial No. 391,011
1 Claim. (Cl. 47—60)

The new and distinct variety of giant freesia plant herein shown and described, characterized particularly by its vigorous, upright growth; its abundant, tall, narrow foliage; its prolific production of large corms; its long blooming season; its strong, tall, upright flower stems which are well branched; and its fragrant, large, exceptionally long flowers of good keeping quality and of yellow shades as indicated.

PATENTS

GRANTED AUGUST 26, 1941

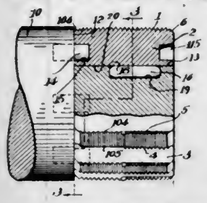
2,253,490
INTERNAL COMBUSTION ENGINE
Harding F. Bakewell, San Marino, Calif.
Application August 5, 1939, Serial No. 288,597
17 Claims. (Cl. 123—56)



9. In an internal combustion engine, a drive shaft, a pair of crank shafts at respective sides of and in a common plane parallel to the drive shaft, driving connections between the respective crank shafts and the drive shaft, pairs of cylinders spaced along the drive shaft with the cylinders of each pair respectively outwardly projecting at opposite sides of the drive shaft, the axes of all the cylinders being in said common plane, pistons in the respective cylinders, a plurality of crank-throws on each crank shaft, the crank-throws of the crank shaft which is at each side of the drive shaft being in alinement with the respective cylinders at the same side of the drive shaft, connecting rods between the respective pistons and the respective crank-throws, the crank-throws which are in alinement with each of the said pairs of cylinders being relatively offset 180°, and the crank-throws of each crank shaft being uniformly offset circumferentially of said crank shaft, the aforesaid construction comprising a unitary cylinder assembly, and a plurality of said cylinder assemblies having their drive shafts forming a longitudinal continuation of a common drive shaft, with the cylinders of said assemblies in the same common plane and with the crank-throws of the plurality of assemblies relatively circumferentially offset so that the time interval between start of successive firing strokes of one assembly is uniformly divided by start of a firing stroke of each of the other assemblies.

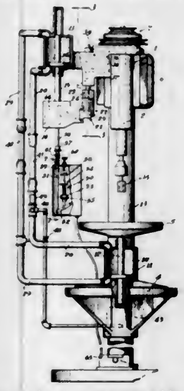
2,253,491
THREADING TOOL
Harding F. Bakewell, San Marino, Calif.
Application February 7, 1940, Serial No. 317,687
9 Claims. (Cl. 10—141)

1. In a threading tool, an annulus having a cutting-thread, longitudinal flutes defining arcuate lengths of the cutting-thread between circumferentially next adjacent flutes, and means for rotatably supporting the annulus, the annulus being adapted for reverse mounting relative to the supporting means for use of either end of the cutting-thread, the arcuate lengths of the cutting-thread having cutting-edges and relieved-edges at their respective ends, with the cutting-edges and the relieved-edges of those



arcuate lengths of the cutting-thread which are between one end of the thread and medially of its length, circumferentially reversed with relation to the cutting-edges and the relieved-edges of those arcuate lengths of the cutting-thread which are between the opposite end of the thread and medially of its length.

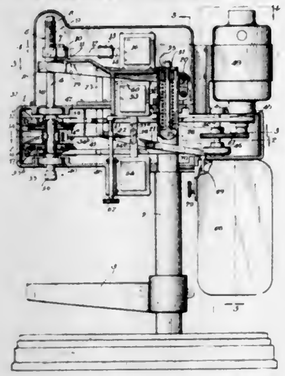
2,253,492
MACHINE TOOL
Harding F. Bakewell, San Marino, Calif.
Application February 7, 1940, Serial No. 317,688
14 Claims. (Cl. 10—129)



1. In a machine tool, cooperating mountings adapted for adjustment relative to one another, cooperating elements comprising a tool holder and a work holder carried by the respective mountings and adapted for rotation of one element relative to its mounting and movement of the other element relative to its mounting for axial displacement relative to the rotatable element, cooperating threaded-guides adapted for rotation of one guide by the rotatable element for relatively axially displacing the guides, cylinders carried by the respective mountings, pistons in the respective cylinders connected to the axially displaceable guide and to the axially displaceable element respectively, and fluid conduits providing communication between the cylinders for dependent fluid-displacement of the pistons for

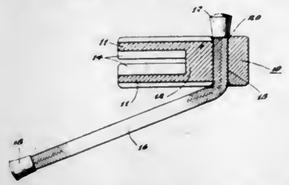
thread-lead of the axially displaceable element relative to the rotatable element, the fluid conduits including means for maintaining said communication throughout relative adjustment of the cooperating mountings.

2,253,493
MACHINE TOOL
Harding F. Bakewell, San Marino, Calif.
Application September 4, 1940, Serial No. 355,279
6 Claims. (Cl. 10—135)



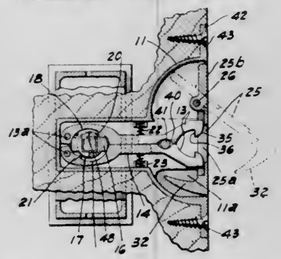
1. In a machine tool; a rotatable spindle; a rotary driving means; a clutch between the spindle and the driving means; a lever having a yoke shiftable for engaging or disengaging the clutch, an arm having an actuating end shiftable to operative position, and a spring connection adapting the yoke and the actuating end of the arm for relative movement for tensioning the spring connection responsive to shifting the actuating end of the arm to operative position; the tensioned spring connection shifting the yoke for engaging the clutch and adapted to yield responsive to torque resistance of the spindle exceeding tension of the spring connection, for clutch-disengaging shifting of the yoke while the actuating end of the arm is retained in operative position; and operating means for shifting and retaining the actuating end of the arm in operative position.

2,253,494
REVERSIBLE SLIDER FOR SLIDE FASTENERS
Alfred E. Carlile, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application March 25, 1940, Serial No. 325,763
6 Claims. (Cl. 24—205.5)



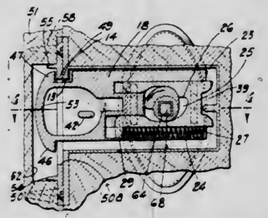
6. In a reversible slider for slide fasteners, a slider body comprising a pair of similar marginally flanged wing members secured together at their upper ends by an intermediate wedge member forming with the flanges of said wing members an upwardly diverging interlocking fastener member receiving channel, a bore extending through said wedge member and said wings from side to side of said slider, a flexible cord-like pull member slidable endwise in said bore from side to side of said slider, stop means at each end of said pull member abuttingly engageable with opposite ends of said bore for limiting endwise sliding movement of said flexible pull member and retaining said flexible pull member in said bore, and a pull member receiving channel in each wing, extending from the end of said bore, for partially recessing said flexible pull member in said slider wing when extended at that side of the slider.

2,253,495
SLIDING DOOR LOCK
Hancil Cordrey and Walter J. Duvall, Chula Vista, Calif., assignors to Peabody-Acker, Inc., Los Angeles, Calif.
Application March 19, 1940, Serial No. 324,782
7 Claims. (Cl. 70—447)



1. In a door lock, a casing having an open front end portion furnished with a face plate to close such opening, said face plate having through it an opening to admit a stationary locking element, said face plate being pivotally supported subjacent its upper end to swing in a substantially vertical plane and being manually operable for movement to an outswung position by depressing the portion thereof above its pivot wherein its opposite end constitutes a handle means for applying traction to a door.

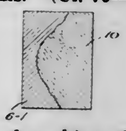
2,253,496
SLIDING DOOR LOCK AND FINGER GRIP
Hancil Cordrey and Walter J. Duvall, Chula Vista, Calif., assignors to Ralph L. Long, San Diego, Calif.
Application January 15, 1941, Serial No. 374,534
8 Claims. (Cl. 292—182)



1. A sliding door lock comprising a casing, a locking finger-grip bolt mounted within said casing, operating means mounted within said casing to move said locking bolt horizontally and vertically to and from a locking position, said locking bolt having an outer end portion which at all times projects beyond the front edge of the door to a manually grippable position and being furnished with an aperture adjacent to said outer end portion of a sufficient size to admit

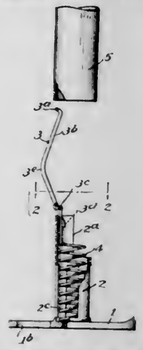
one or more fingers of the operator, and a spring within said casing normally opposing further outward movement of the locking bolt from its retracted position, said spring yielding to manually traction upon said locking bolt to allow further extension of the latter to permit one or more fingers of the operator to be inserted through said aperture to apply traction to the door.

2,253,497
METHOD OF MAKING DIES FOR MOLDING CONTACT LENSES
Frederick L. G. Kollmorgen, Mountain Lakes, N. J., assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y., a corporation of New York
Application August 2, 1939, Serial No. 287,892
4 Claims. (Cl. 76—107)



1. The process of making dies for molding contact lens which comprises preparing a negative mold perfectly conforming to the outer surface of the eyeball including the cornea and the limbus, removing material from said negative mold to provide clearance for the cornea and the limbus in the molded contact lens, making a positive mold from the thus-corrected negative mold, and preparing reproductions of said corrected positive and negative molds, said reproductions forming dies adapted to cooperate with each other to shape a blank of softened glass into a molded contact lens conforming to the surface of the eyeball but out of contact with and not touching the sensitive cornea and limbus.

2,253,498
CURL HOLDER
Harry F. Luengen, Los Angeles, Calif.
Application July 10, 1940, Serial No. 344,773
6 Claims. (Cl. 132—40)



6. In a curl holder, a base adapted to rest flat against the head, a shank projecting from the base, a clip pivoted to the shank for projection longitudinally therebeyond or for swinging movement downwardly and inwardly alongside the shank for clamping a curl of hair of the head in position surrounding the shank and supported on the base, and a tube adapted for rotatable telescopic reception over the shank while the clip projects longitudinally therebeyond, for wrapping hair of the head around the tube so as to form said curl, the tube being adapted for withdrawal from the shank for transfer of the curl to position supported on the base and surrounding the shank with the latter turned relative to the curl so that when the clip is then swung to its clamping position it engages the scalp-end of the curled hair in close proximity to the scalp.

2,253,499
METHOD OF MAKING OVEN LININGS
Edwin A. Rutenber, Greenville, Mich., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich., a corporation of Michigan
Application September 14, 1939, Serial No. 294,832
2 Claims. (Cl. 113—120)

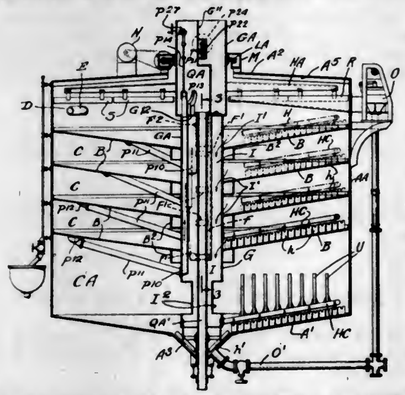


2. The method of making a sheet metal oven lining of the type which consists of a hollow shell having a back wall at one end thereof and a laterally outwardly extending peripheral rim defining a door opening at the other end thereof; which comprises the steps of drawing a flat sheet of metal into a pan-like blank having a bottom, an upstanding side wall surrounding the bottom, and a rim extending laterally outwardly from the edge of the side wall remote from the bottom, subsequently forming an outwardly offset groove in the side wall of the blank parallel to the bottom thereof and of a depth substantially equal to the thickness of an intermediate section, severing said blank along a line parallel to and intermediate the sides of the offset groove to form two end sections having rabbets at their severed edges, positioning a separately formed intermediate body section between the two end sections with the opposite ends of the intermediate body section received in said rabbets so that the inner surfaces of the end sections are flush with the inner surface of the intermediate body section, and finally securing the end sections to the intermediate section.

2,253,500
LIQUID CLARIFYING APPARATUS
Miguel Arango, Habana, Cuba, assignor to Petree & Dorr Engineers, Inc., New York, N. Y., a corporation of Cuba
Application August 30, 1938, Serial No. 227,481
4 Claims. (Cl. 210—55)

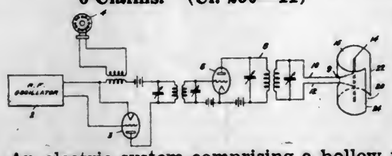
1. The combination in a tray clarifier having a plurality of superposed clarification compartments, of means for passing liquid to be clarified into said compartments, means for removing settled solids from said compartments including a rotating structure comprising a vertical body portion centrally disposed in said clarifier and means in each compartment for moving solids settling in its lower portion to its center, and means for withdrawing clarified liquid from the different compartments comprising a separate vertical up-flow passage formed in the body portion of said rotating structure for each compartment and a conduit carried within each compartment by said rotating structure and having its outlet connected to the lower end of the corre-

sponding up-flow passage and having its inlet opening to said compartment in its upper portion at a distance from the body portion of said rotat-



ing structure, and means providing a receiving chamber, in the upper portion of the clarifier into which each of said up-flow passages discharges.

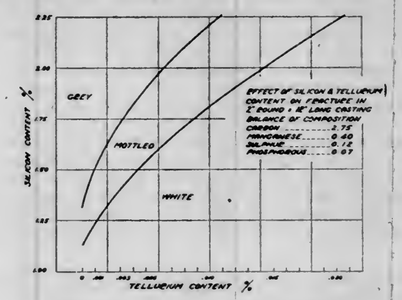
2,253,501
RESONANT ANTENNA SYSTEM
Wilmer Lanier Barrow, Newton, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application September 10, 1937, Serial No. 163,241
6 Claims. (Cl. 250—11)



2. An electric system comprising a hollow resonane cylindrical chamber of substantially circular cross section closed at its ends and provided in its wall with an opening the sides of which are substantially parallel to the axis of the cylinder, a rod antenna disposed in the chamber substantially along the axis of the cylinder and extending throughout the major portion of the length of the cylinder, a coaxial-line system connected to the chamber and to the rod antenna, and means for exciting or absorbing in the antenna electromagnetic waves of a frequency corresponding to the resonant frequency of the chamber and having electric lines of force substantially parallel to the axis of the cylinder to produce, by reflection from the walls of the cylinder, linearly polarized standing waves in the cylindrical chamber to creat a condition of linearly polarized space resonance therein, whereby linearly polarized energy of the said resonant frequency will be directively radiated out of the chamber or absorbed into the chamber through the opening.

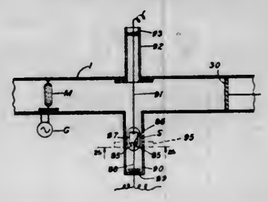
2,253,502
MALLEABLE IRON
Alfred L. Boegehold, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 23, 1938, Serial No. 191,876
12 Claims. (Cl. 75—123)

1. An annealable white iron casting substantially free from flake graphite and characterized by the rapidity with which it can be annealed to form malleable iron containing, at least 1.50% carbon, at least about .40% manganese, a graphitizing agent equivalent in effect to approximately 1.3% or more of silicon and a small but effective



amount of tellurium up to about .2% sufficient to obstruct formation of flake graphite during solidification of the casting without appreciably retarding the decomposition of iron carbide during annealing.

2,253,503
GENERATION AND TRANSMISSION OF HIGH FREQUENCY OSCILLATIONS
Arnold E. Bowen, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 6, 1938, Serial No. 223,426
15 Claims. (Cl. 178—44)

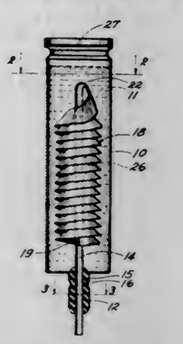


1. In combination, a wave guide comprising a metallic pipe, an oscillation generator for launching in said guide ultra-high frequency waves of a character such that the guide presents to them the characteristic of a high-pass filter, said generator comprising a frequency controlling Lecher system tuned to the fundamental frequency of operation and to harmonics thereof, and a reflector in said guide spaced in one direction from said generator a distance that is optimum with respect to the launching of waves of harmonic frequency in the opposite direction, said distance being non-optimum for the launching of waves of said fundamental frequency.

2,253,504
ELECTROLYTIC DEVICE
Joseph B. Brennan, Euclid, Ohio
Application August 28, 1937, Serial No. 161,480
13 Claims. (Cl. 175—315)

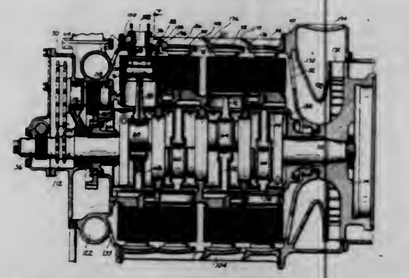
1. In a condenser, a container for electrolyte, an anode disposed within the container, said anode comprising a strip of film forming metal wound into a plurality of helical convolutions, the convolutions being of generally conical form,

and a riser for supporting the anode extending



within the anode along the axis of the convolutions thereof.

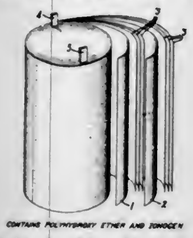
2,253,505
ENGINE
Humbert Denis Jean Cantoni, Paris, France, assignor to Mawen S. A., Paris, France, a stock company of France
Application May 11, 1938, Serial No. 207,211
In France August 9, 1937
12 Claims. (Cl. 123—171)



1. A multiple bank bi-rotary engine comprising a series of banks of rotatably mounted radially arranged cylinders, said banks being arranged one behind another, a stationary casing structure encircling said banks and including a ported valve member providing a series of ported valve tracks, one for each bank, means carried at the outer ends of the several cylinders and cooperating with the ports in said valve tracks to provide for flow of cylinder gases, and a series of air admission ports formed in said valve member, the last mentioned ports being arranged to admit air to the interior of the casing structure through portions of the valve member located longitudinally between said valve tracks.

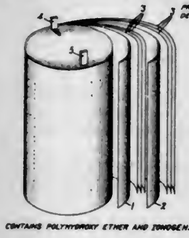
2,253,506
ELECTROLYTE COMPOSITION
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 31, 1938, Serial No. 248,762
10 Claims. (Cl. 175—315)

1. A liquid electrolyte composition suitable for use in capacitors which consists substantially of liquid dihydroxy ether and an ionogen in an uncombined state, the amount of ionogen in said composition being no greater than the maximum



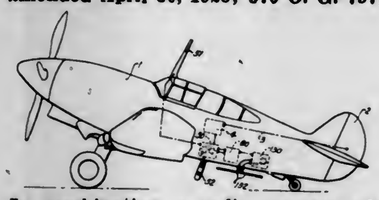
amount which is capable of being dissolved in said ether.

2,253,507
ELECTROLYTIC CAPACITOR AND IMPREGNANT THEREFOR
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application February 1, 1940, Serial No. 316,793
13 Claims. (Cl. 175—315)



1. An electrolyte composition suitable for use in capacitors comprising mainly a mixture of polyhydroxy ether and ethylene glycol, and an ionogen dissolved in said mixture, the amount of ionogen being such that undissolved crystalline material is not present over the range of operating temperatures.

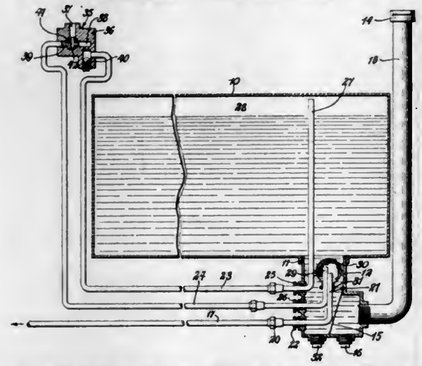
2,253,508
NAVIGATION SYSTEM FOR GUIDING AIRCRAFT
Carl J. Crane, United States Army, Shreveport, La., and Constantin D. Barbulesco, Yellow Springs, Ohio
Application December 2, 1940, Serial No. 368,214
14 Claims. (Cl. 250—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a radio compass adapted to indicate the heading of an aircraft relative to a selected nondirectional radio transmitting station, power means for tuning said radio compass to the frequency of any one of a plurality of said radio transmitting stations spaced along a predetermined course, a plurality of directional radio transmitting stations located along said predetermined course and each operative to radiate energy in a vertically directed confined field,

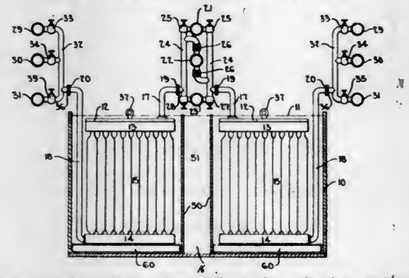
and radio-signal-responsive means responsive, when in the field radiated by any one of said directional transmitting stations, to signals transmitted from said one directional station for actuating said tuning means to tune said radio compass to the frequency of a certain one of said nondirectional radio transmitting stations.

2,253,509
CLEANING DEVICE FOR LIQUID SUPPLY TANKS
Walter C. Dort, Buffalo, N. Y.
Application May 8, 1940, Serial No. 334,079
15 Claims. (Cl. 210—150)



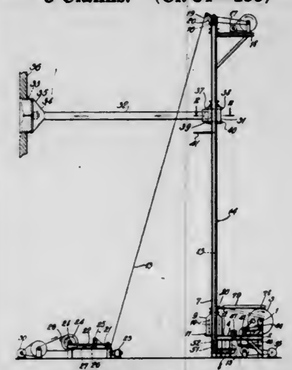
1. The combination with a hermetically sealed liquid supply tank having a liquid feed line, of an air line leading to the interior of said tank, a second air line leading to the interior of said tank and terminating in the body of liquid in said tank, filtering means covering the ends of said feed line and said second air line, and means connecting the external ends of said air lines to regulate the admission of air through said air lines.

2,253,510
CATALYTIC APPARATUS
George S. Dunham, Ardmore, Pa., assignor, by mesne assignments, to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application September 28, 1938, Serial No. 232,134
3 Claims. (Cl. 23—288)



1. Apparatus for controlling chemical reactions comprising an open tank containing liquid, a plurality of converters seated within said tank so as to be removable readily therefrom, said converters being arranged in spaced parallel rows, each having upper and lower fluid manifolds and a reaction chamber therebetween, a plurality of fluid headers positioned outwardly of said tank, certain of the headers having connections with the upper manifolds and certain having connections with the lower manifolds so as to place the converters in a battery and to provide for the passage of fluid through the converters simultaneously, said connections being detachable and permitting the independent removal of any converter from the battery, means for selectively cutting off the flow of fluid through any converter when it is desired to remove the same from the tank while permitting the passage of fluid through the remaining converters of the battery, a pair of partitions positioned between the converter rows providing an independent compartment for each converter row and a liquid channel therebetween said partitions being constructed so as to provide communication between said liquid channel and the converter compartments, and means in said liquid channel for circulating the liquid over the rows of converters.

2,253,511
PAPER TREATING MACHINE
August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application May 1, 1937, Serial No. 140,196
3 Claims. (Cl. 34—155)



2. The combination of a tape supply roll, a take up reel, means for drying a freshly coated tape including a vertically extended drying housing, guide rollers adjacent the bottom and top of the housing for guiding the tape substantially along the longitudinal axis of the housing with the walls of the housing spaced from the front and rear faces of the freshly coated tape, means for actuating said take up reel to pull the tape as it is supplied by said supply roll over said guide roller adjacent the bottom of said housing and then upwardly through said housing, then over the guide roller adjacent the top of said housing and then downwardly to said take up reel, and means for driving the roller at the top of said housing at a greater surface speed than that imparted to the tape by said take-up reel for exercising tension on the tape to smooth out the same and center it and thereby impart a surface speed greater than the advancing speed of the tape adjacent the upper end of said housing.

2,253,512
APPARATUS FOR THE PRODUCTION OF ICE
Fritz Wilhelm Fechner, Hamburg, and Reinhard Wussow, Berlin-Charlottenburg, Germany
Application December 15, 1938, Serial No. 245,812
In Germany November 28, 1936
7 Claim. (Cl. 62—106)

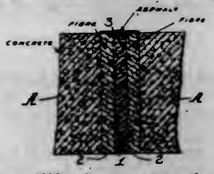
Apparatus for the production of ice compris-

ing an evaporator, at least one mercury-filled tube in said evaporator, at least one injection



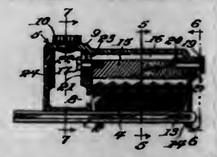
nozzle at the bottom of each tube, and means for injecting liquid to be frozen through said nozzle into the mercury in the tube.

2,253,513
SELF-CONDITIONING EXPANSION JOINT
Albert C. Fischer, Chicago, Ill.
Application March 7, 1939, Serial No. 260,443
10 Claims. (Cl. 94—18)



1. A self-conditioning expansion joint comprising a slab of packing material having the capacity to absorb a solvent and thereby acquire inherent plasticity and a vehicular body contiguous to said slab carrying an appropriate solvent and presenting the same in position to respond to the absorptive influence of the slab.

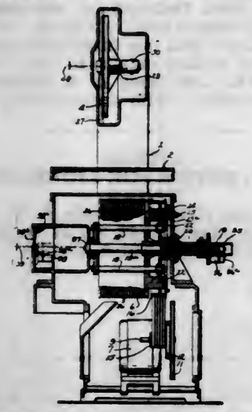
2,253,514
FOUNTAIN TOOTHBRUSH
Thomas W. Fisher, Columbus Grove, Ohio
Application June 12, 1940, Serial No. 340,180
6 Claims. (Cl. 132—84)



1. A fountain toothbrush comprising a handle, a brush head formed on the handle, a dentifrice container mounted for movement on the handle, a housing for the bristles of the head and carried by the container for disposal into and out of enclosing position with respect to the bristles, and means for receiving and dispensing the dentifrice from the container and upon the bristles.

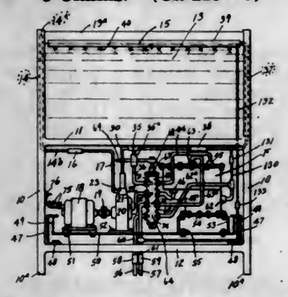
2,253,515
BAND SAW
Benjamin Grob and Theodore Grob, Grafton, Wis.
Application January 10, 1938, Serial No. 184,164
10 Claims. (Cl. 29—68)

1. A band saw machine including a laterally flexible saw band having teeth at one edge thereof shaped to project slightly sidewise of the band, and spaced rotatable saw carriers, one of said carriers having a thread-like peripheral groove of substantially constant mean diameter extended axially thereof, a major portion of said band being wound in said groove and a loop portion of said band being extended over the other carrier, the bottom of said groove being angularly disposed to the axis of said carrier in a manner to accommodate the teeth of said band, and transmission mechanism for simultaneous rotation and axial movement of said



grooved carrier in alternative sawing or reverse directions.

2,253,516
AERATING AND FILTERING DEVICE FOR AQUARIUMS
James F. Haldeman, Martinsville, Ind.
Application August 11, 1938, Serial No. 224,281
5 Claims. (Cl. 119—5)



1. In an aquarium system and the like, including a water pressure system with a pressure supply and a waste therefor, the combination of a unitary arrangement for connection therebetween including an aquarium connected to the supply and waste, a pump, a filter structure, means connecting the aquarium, filter and pump in a closed cycle, and means operatively associated with the filter structure and interposed in the pressure system ahead of the waste for filter washing.

2,253,517
PROTEIN COMPOSITION
Albert J. Heberer, Maywood, Ill., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 25, 1938, Serial No. 221,098
10 Claims. (Cl. 134—12)

2. The method of preparing a soya bean protein composition which comprises dissolving the protein in an alkaline solution at a relatively high pH value, and then lowering the pH value to about pH 7 to 8, by means of oil fatty acids, the initial pH value and the amounts of material being such that the final viscosity is lower than it would have been if the protein had been initially dissolved at the final pH value.

2,253,518
METHOD OF TREATING EGG WHITES
Louis E. Hess, San Antonio, Tex., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 9, 1938, Serial No. 229,092
13 Claims. (Cl. 99—210)

1. The method of treating egg whites without fermentation which comprises rapidly heating the egg white to between seventy and eighty degrees F. to reduce its viscosity and liberate most of the natural carbon-dioxide gas present therein, adjusting the hydrogen ion concentration to 7.0 to permit the natural enzymes normally present in egg whites to liquefy the thick white to thin white, acidifying the substance by the addition of an edible acid until its hydrogen ion concentration has been reduced to 5.0, removing the insoluble matter, and then drying the resultant thin egg white substance.

2,253,519
REPLACEMENT SHADE STRUCTURE
William Morse Hicks, Cincinnati, Ohio
Application August 21, 1939, Serial No. 291,123
12 Claims. (Cl. 156—25)



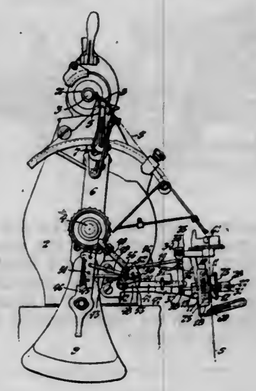
1. A structure of the class described comprising in combination, a shade roller, a replacement shade including a tubular core encircling the roller and having an inside diameter greater than the roller diameter, and a web having a trailing edge secured to the tube, the web being wound upon the tube exteriorly thereof, and means for locating and maintaining the tube concentrically about the roller.

2,253,520
CLUTCH TYPE ROLLER SHADE
William Morse Hicks, Cincinnati, Ohio
Application September 28, 1940, Serial No. 358,909
12 Claims. (Cl. 156—25)



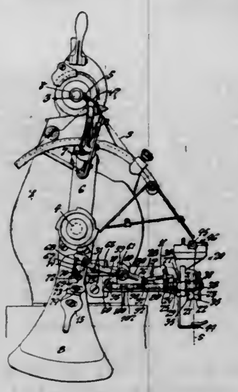
1. A shade structure comprising a roller and a web, and means in the form of an overrunning clutch precluding movement of the web relative to the roller at least in one direction of roller rotation.

2,253,521
TENSION DEVICE
Harold Wood Hitchcock, Apponaug, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application August 11, 1938, Serial No. 224,386
12 Claims. (Cl. 242—150)



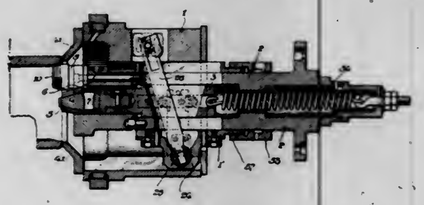
1. A tension-device comprising opposed tension-disks having contact faces adapted to bear against a strand feeding therebetween and flaring peripheral rims, and resilient elements bearing directly against the peripheral rims of the said disks to press them against the strand.

2,253,522
TENSION DEVICE
Harold Wood Hitchcock, Apponaug, R. I., assignor to Universal Winding Company, Boston, Mass., a corporation of Massachusetts
Application May 5, 1939, Serial No. 272,033
10 Claims. (Cl. 242—150)



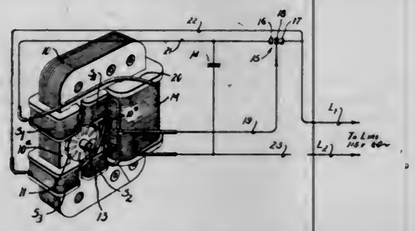
1. A tension-device comprising a member adapted to bear against a strand of yarn or the like to apply resistance to its draft, resilient means for forcing said member against the strand, a lever, a two-part spindle actuated by said lever to maintain the resilient means under compression, and a second resilient means arranged between the parts of the spindle to permit extension of the latter to release it from the first resilient means.

2,253,523
CHASER TRIPPING MEANS
William J. Hogg, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application January 16, 1940, Serial No. 314,034
22 Claims. (Cl. 10—145)



1. A threading tool having radially shiftable chasers and means for tripping the chasers relative to the work and comprising a latch, a shiftable cam member operatively associated with and for releasing the latch, and a tapered member cooperating with an intermediate means for shifting said cam member.

2,253,524
REVERSIBLE MOTOR
Edgar D. Lilja, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application August 19, 1938, Serial No. 225,761
10 Claims. (Cl. 172—278)



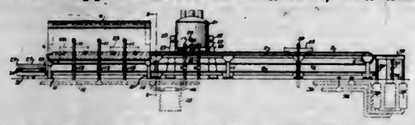
2. A reversible single phase alternating current motor comprising, in combination, relatively rotatable primary and secondary members, a main energizing winding for said primary member, selectively operable means including a shading winding inductively coupled with said main winding for initiating rotation of said motor in one direction or the other, a condenser, and means for connecting said shading winding to a source of current with said condenser in circuit relation therewith only when said selectively operable means is conditioned for rotation of the motor in one direction.

2,253,525
OLEFIN REACTIONS WITH BORON FLUORIDE CATALYST
Donald John Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 24, 1938, Serial No. 215,580
8 Claims. (Cl. 260—497)

7. A process of preparing ethyl acetate which comprises effecting the reaction between acetic acid and ethylene in the presence of a boron trifluoride dihydrate catalyst.

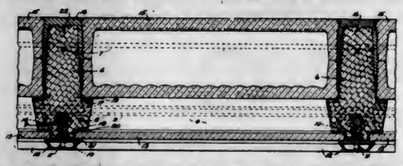
2,253,526
METHOD OF MAKING COMPOSITE METAL SLABS
Charles A. Medsker, Cleveland Heights, Ohio, assignor to William L. Ulmer, Cleveland, Ohio
Application June 22, 1939, Serial No. 280,593
8 Claims. (Cl. 22—204)

2. A method of making a composite metal slab which consists in preheating a metal slab, directing a combustible gas containing a vaporized flux onto the upper surface of said slab, and during



the course of such treatment with flux, pouring a second metal, in molten condition, onto said slab.

2,253,527
SKYLIGHT CONSTRUCTION
Julius J. Ohlis, Oak Park, Ill.
Application November 18, 1940, Serial No. 366,164
8 Claims. (Cl. 108—16)



1. A skylight structure comprising a grid and glazing, the grid consisting of intersecting ribs and a circumscribing frame, the ribs defining light admitting cells for the glazing, the glazing comprising a plurality of glasses, a glass in each cell, the cell sides of each rib converging in the upward extent of the rib and terminating at their lower extremities in a shoulder extending into a cell and supporting the lower edge portion of a glass, the upper surface of each rib disposed in a plane disposed below the plane of the top surfaces of the adjacent glasses, the upper portion of each rib having a groove formed inwardly thereof for keyingly receiving a cementitious material, and cementitious material covering the upper portions of said ribs and extending into said grooves and into the spaces between the ribs and glasses to seal each glass in its cell.

2,253,528
MANUFACTURE OF DERIVATIVES OF UREA
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application June 9, 1939, Serial No. 278,175
17 Claims. (Cl. 260—553)

2. A process of producing a mono-alkyl derivatives of urea which comprises reacting an alkyl amine with urea by heating a mixture of said alkyl amine and urea to a temperature between 100° C. and the decomposition temperature of the desired alkyl urea and thereby producing a crude reaction mixture containing the desired mono-alkyl urea, unchanged urea and by-product di-alkyl urea, thereafter extracting the reaction mixture with water at a temperature at which the formed di-alkyl urea and mono-alkyl urea are insoluble in the water but at which the unchanged urea is soluble in the water, and thereafter extracting the precipitated mixture of di-

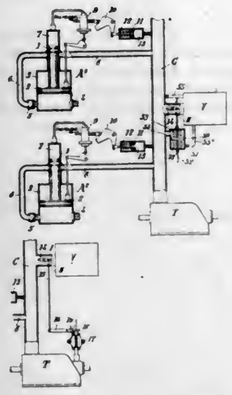
and mono-alkyl ureas with a hydrocarbon solvent at a temperature at which the formed di-alkyl urea is soluble in the hydrocarbon solvent but at which the desired mono-alkyl urea is insoluble in said solvent.

2,253,529
APPARATUS FOR HANDLING SHEET MATERIAL
Frank Palewick, Max Drescher, and Milton F. Rosentreter, San Francisco, Calif., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application June 8, 1939, Serial No. 278,160
6 Claims. (Cl. 91—55)



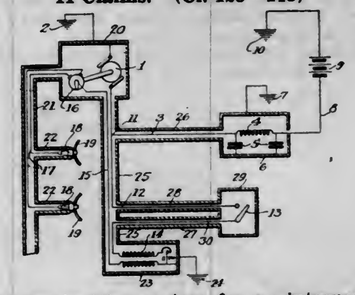
1. The combination with sheet drying apparatus comprising an endless conveyor having opposed runs and including means for supporting and propelling sheets of material in edge relation to the lines of the runs, of sheet coating mechanism, means acting to automatically remove dried sheets from the foot end of one of said runs and deliver them to said coating mechanism, and conveyor means acting automatically to deliver the coated sheets from the coating mechanism to the head end of the other of said runs.

2,253,530
DEVICE INCLUDING RECEIVING ELEMENTS FED BY COMPRESSED GAS GENERATORS
Raul Pateras Pescara, Paris, France
Application January 19, 1939, Serial No. 251,861
In Luxemburg January 28, 1938
14 Claims. (Cl. 60—15)



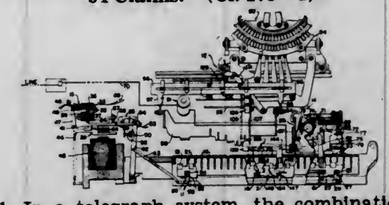
1. A system of the type described, which comprises, in combination, a receiving machine, at least one generator for feeding fluid intermittently to said machine, a manifold connecting said generator with said receiving machine, a pressure regulating structure forming a chamber connected to said manifold, and pressure responsive means for temporarily and at least partly bringing said regulating structure out of action in response to pressure variations in said manifold exceeding a predetermined value.

2,253,531
RADIO SHIELDED IGNITION
Melville F. Peters, Beltsville, Md., and R. Harry Stone, Bound Brook, N. J., assignors to Titeflex Metal Hose Co., a corporation of New Jersey
Application October 2, 1939, Serial No. 297,616
11 Claims. (Cl. 123—148)



1. In an ignition system for an internal combustion engine, the combination with an electric generator, of a battery, an electric filter, conducting means connecting one terminal of said generator with said filter, conducting means connecting said filter with one terminal of said battery, conducting means connecting the other terminal of said battery with the other terminal of said generator, one or more spark plugs, conducting means connecting said one or more spark plugs to a point on the said conducting means between said generator and filter, radio shielding means for the electrical apparatus on the generator side of said filter and a switch for cutting off the ignition current.

2,253,532
PRINTING TELEGRAPH APPARATUS
Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 6, 1938, Serial No. 212,038
34 Claims. (Cl. 178—4)



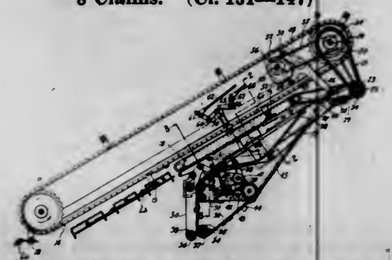
1. In a telegraph system, the combination of signal determining means, means for exercising under certain operating conditions a predetermined control over said signal determining means, a receiver responsive to signaling conditions comprising a selectable instrumentality, and means controlled by said instrumentality and effective while said second recited means is operating under said certain operating conditions for automatically varying the control exercised by said second recited means.

2,253,533
ELECTRIC MAKE AND BREAK CONTACT
Samuel Ruben, New Rochelle, N. Y.
No Drawing. Application January 31, 1939, Serial No. 253,778
6 Claims. (Cl. 200—166)

1. An electrical make and break contact for automobile ignition systems and the like comprising a hard, dense, non-porous disc of one of

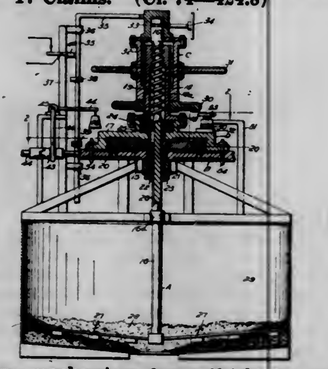
the elements tungsten and molybdenum, characterized by the addition of a relatively small quantity of boron up to approximately 1%.

2,253,534
LEAF TRANSFER FOR TOBACCO STRIPPERS
Rupert E. Rundell, Rockville Centre, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application October 22, 1938, Serial No. 236,447
8 Claims. (Cl. 131—147)



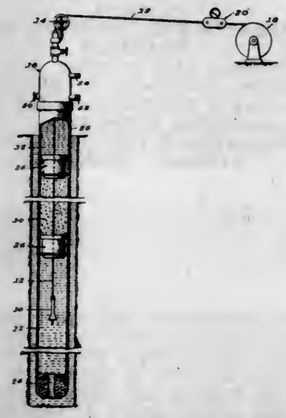
1. The combination with a continuously traveling suction conveyor adapted to maintain tobacco leaves in an outspread condition and advance the same endwise, of a perforated suction belt, a suction box underlying one run of said belt and adapted to apply suction to the perforations of said belt, means for applying suction to said conveyor until a leaf thereon reaches a position overlying said belt and then discontinuing the suction thereon while applying it to said suction box, and mechanism for moving said suction box and belt into the proximity of the overlying portion of said conveyor while suction is applied to said suction box.

2,253,535
DIFFERENTIAL DRIVING MECHANISM
Arthur J. Weinig, Golden, Colo., assignor to Morse Bros. Machinery Company, Denver, Colo., a corporation of Colorado
Application September 26, 1938, Serial No. 231,766
17 Claims. (Cl. 74—424.8)



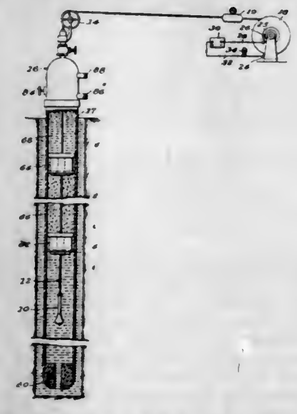
1. Rotary mechanism for a thickener or the like, comprising a driven element journalled for rotation and for axial movement, a rotary drive element, elevating mechanism operatively connected with said driven element, and differential power-transmission mechanism connecting the drive element with said driven element and with said elevating mechanism differentially to transmit rotary driving force to said driven element or to actuate the elevating mechanism according to the relative resistance to rotary movement or to axial movement of said driven element.

2,253,536
APPARATUS FOR CEMENTING WELLS
Domer Scaramucci, Norman, Okla., assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla., a corporation of Oklahoma
Application June 29, 1939, Serial No. 281,976
13 Claims. (Cl. 166—1)



1. Apparatus for cementing oil wells comprising, in combination, a measuring line, a weight having a cutting top portion and a contractible bottom portion attached to the end of the line, a plug having a longitudinal bore for receiving the measuring line, said bore being of a diameter which will contract the bottom portion of the weight as it passes therethrough, and a frangible diaphragm attached to an end of the plug over the bore and provided with a small aperture for receiving the measuring line, and adapted to be enlarged by the cutting top portion of the weight as the plug passes thereover.

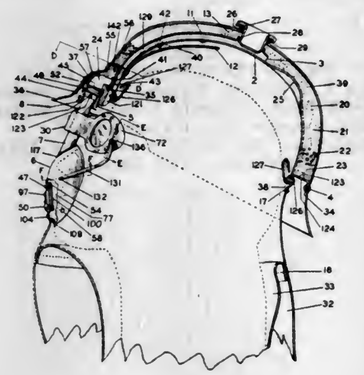
2,253,537
APPARATUS FOR CEMENTING WELLS
Domer Scaramucci, Norman, Okla., assignor to Oil Equipment Engineering Corporation, Oklahoma City, Okla., a corporation of Oklahoma
Application June 29, 1939, Serial No. 281,977
13 Claims. (Cl. 166—1)



1. Apparatus for cementing oil wells comprising, in combination, a measuring line, said line

including a pair of electrical conductors, a weight having a cutting top portion and a contractible bottom portion attached to the end of the line, a switch within the weight and arranged to connect and disconnect the weight ends of the conductors, a plug having a longitudinal bore for receiving the measuring line and weight, said bore being of a diameter which will contract the bottom portion of the weight as it passes therethrough, and a frangible diaphragm attached to an end of the plug over the bore and provided with a small aperture for receiving the measuring line, and adapted to be enlarged by the cutting top portion of the weight as the plug passes thereover, said switch being connected to the contractible portion of the weight and arranged to be operated by the contraction and expansion thereof.

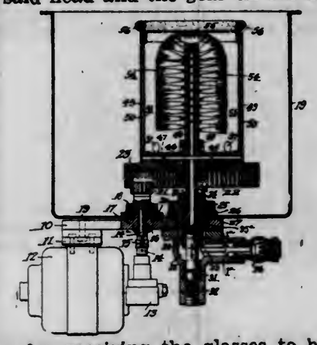
2,253,538
GAS MASK RESPIRATOR
Charles William Sirch, Los Angeles, Calif.
Application January 21, 1938, Serial No. 186,166
10 Claims. (Cl. 128—141)



1. In a gas mask or the like, in combination, a face piece adapted to cover the user's mouth and nose and having an opening opposite the user's mouth, and means for closing said opening, said means comprising a valve seat and valve element including a voice transmitting diaphragm, said valve element being spring-held against its seat, for transmitting voice vibrations through said opening, a helmet having filter means therein and a rigid tubular connection between the helmet and face piece.

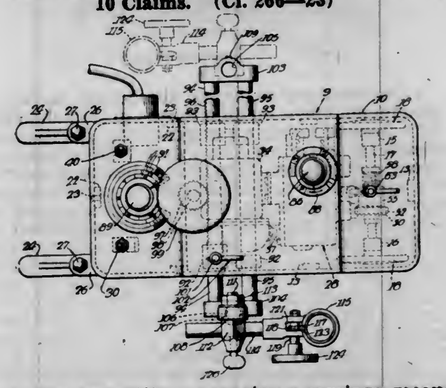
2,253,539
CLEANING AND DISINFECTING MACHINE
Berthold Steinhilber, Worcester, Mass.
Application August 24, 1938, Serial No. 226,524
9 Claims. (Cl. 15—75)

1. In a machine for washing and disinfecting glasses and the like, the combination with a base plate, of a shaft passing vertically through said base plate, a motor depending from the base plate and operatively connected with said shaft for running it, a gear on said shaft, a reciprocable rotary head, an internal gear on said head meshing with the first named gear and driven thereby, said gears forming a sliding connection between said head and the gear on the shaft, and



a rotor for receiving the glasses to be washed located on said head.

2,253,540
GAS CUTTING APPARATUS
Fred Stoneberg, Chicago, Ill., assignor to Gaso Equipment Co., a corporation of Illinois
Application June 24, 1939, Serial No. 281,055
10 Claims. (Cl. 266—23)

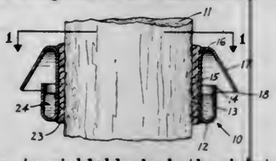


1. In a gas cutting apparatus, a carriage, means including change speed mechanism for propelling said carriage, said mechanism comprising a driven shaft, a heavy gear on said shaft, a plurality of driving shafts, intermeshing gears on said shafts, and gears on certain of said shafts movable, one at a time, into and out of mesh with said heavy gear for propelling said carriage at different speeds, said heavy gear, during its operation, functioning as a flywheel for balancing the motor and acquiring smoothness of operation of the propelling mechanism.

2,253,541
TREE CUP
Arvil J. Torbett, United States Navy
Application April 3, 1940, Serial No. 327,610
1 Claim. (Cl. 43—108)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

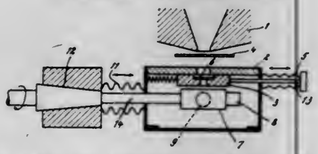
A tree cup or protector comprising a one piece sheet of yieldable material having a lower folded edge having an upwardly extending portion to provide a trough and an upper folded edge extending downwardly and outwardly over said trough to provide a roof, the trough being adapted to be folded about a tree trunk so as to have its vertical edges interlapped to provide an

expansion joint, and an upstanding tongue extending from one edge of the trough adjacent the vertical end adapted to be folded over the over-



lapping edge to yieldably lock the joint into position, the lower edge of said roof extending outwardly away from and vertically below the upper edge of the trough.

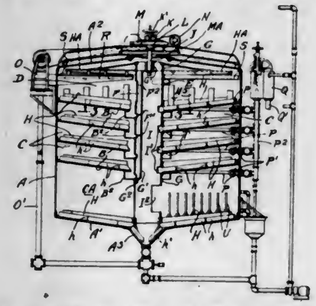
2,253,542
ELECTRON SCANNING MICROSCOPE
Manfred von Ardenne, Berlin-Lichterfelde, Germany
Application May 31, 1939, Serial No. 276,600
In Germany June 1, 1938
7 Claims. (Cl. 250—141)



1. An electron scanning microrcope having a vacuum chamber, holding means in said chamber for accommodating an object to be investigated, means for scanning the object with a beam of electron rays, a recording device having a recording surface for accommodating a photosensitive layer, said recording device being arranged in said vacuum chamber behind said object so as to be impinged upon by said beam and movable in two directions corresponding to the scanning directions respectively of the beam, driving means connected with said recording device for moving said device synchronously with and proportionally to the operation of said scanning means and with an amplitude larger than that of the scanning movement of the beam in order to produce a magnified image of the object, a light-optical prism arranged in said vacuum chamber so as to be movable into the path of said beam in exchange for said recording device, said prism when in operative position having a surface facing the object covered with luminescent substance, and light-optical means for observing said substance through said prism.

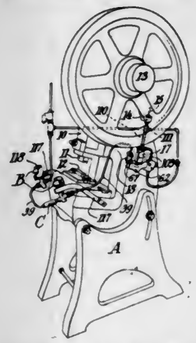
2,253,543
LIQUID CLARIFICATION
William C. Weber, Westport, Conn., and William E. Geissler, Ossining, N. Y., assignors to Petree & Dorr Engineers, Inc., New York, N. Y., a corporation of Cuba
Application August 30, 1938, Serial No. 227,464
11 Claims. (Cl. 210—55)

2. A tray clarifier comprising in combination a plurality of superposed sedimentation compartments, a feed chamber above said compartments, means for passing liquid to be clarified into said chamber, a rotating structure comprising a vertical body portion centrally disposed in said clarifier and means in each of said compartments and chamber for moving settled solids in its lower portion to the center thereof, said body portion being formed with vertical passages and lateral ports in communication therewith to provide a feed flow path for the down flow of liquid from said chamber to each of the different compartments, and a solids flow path, separated from the first mentioned flow path and adapted to discharge into the lowermost compartment settled



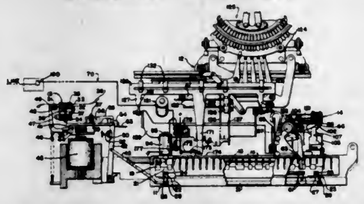
solids received from each of the other compartments and from said chamber, means for withdrawing clarified liquid from the different clarifying compartments, and means for passing settled solids out of the clarifier from the lowermost compartment thereof.

2,253,544
PRESS FLUID CONTROL UNIT
Selden T. Williams, Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application May 20, 1939, Serial No. 274,689
9 Claims. (Cl. 121—38)



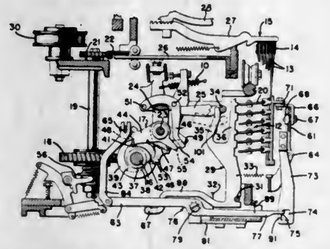
1. Pneumatic safety control means for operation of a press or the like, comprising an air pressure responsive member, a pilot valve for controlling the admission to, and the venting from said pressure-responsive member of compressed air, and a pneumatic circuit having therein a cut-out valve adapted to permit only a puff of compressed air to pass through the circuit, the pilot valve comprising a three-way valve having ducts adapted for communication with the pressure-responsive member, with a source of compressed air, and with the atmosphere, and a pilot operating mechanism responsive to a puff of compressed air from the pneumatic circuit to operate the three-way valve to admit compressed air from the source to the pressure-responsive member, and means on the pilot operating mechanism operable by the pressure-responsive member after it has been acted upon by the compressed air to operate the three-way valve to permit venting of the compressed air from the pressure-responsive member to the atmosphere.

2,253,545
PRINTING TELEGRAPH APPARATUS
Raymond E. Zenner, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 25, 1938, Serial No. 242,408
20 Claims. (Cl. 178—4)



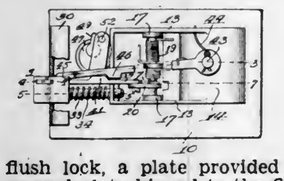
2. In a telegraph system, a transmitter, selector mechanism for exercising a predetermined control over said transmitter, a receiver responsive to signaling conditions comprising an electromagnetic device, and means controlled by said device for varying the control exercised by said selector mechanism.

2,253,546
PRINTING TELEGRAPH APPARATUS
Raymond E. Zenner, Brookfield, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 12, 1939, Serial No. 299,074
9 Claims. (Cl. 178—25)



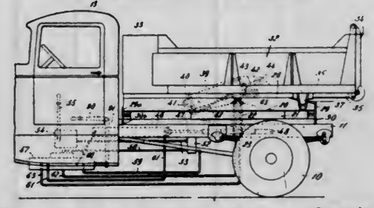
1. In a recorder, a platen, type elements, means for effecting relative movement between said platen and elements normally one character space, means for controlling the relative movement of said platen and type elements through a plurality of character spaces in one continuous movement from one recording position to another recording position, and means for delaying the response of said controlling means to assure its proper operation.

2,253,547
FLUSH LOCK
George R. Adams, Los Angeles, Calif.
Application December 4, 1940, Serial No. 368,474
7 Claims. (Cl. 70—208)



1. In a flush lock, a plate provided with an opening, a second plate hinged to the first mentioned plate for normally closing said opening, a wall at the end of the first mentioned plate, a spring held bolt arranged for sliding movement through said wall, means normally engaging said bolt for holding the same against retractile movement, a third plate hinged to the first mentioned plate and normally bearing against the inner face of the plate that closes the opening in said first mentioned plate, a trip bar extending through said bolt and pivotally connected to the third mentioned plate and means on said trip bar for disengaging the holding means from said bolt as the latter and said trip bar are moved longitudinally as a result of contact with a strike that receives the bolt when in projected position.

2,253,548
DUMP TRUCK
William L. Allison, Phoenix, Ariz.
Application August 4, 1940, Serial No. 351,354
10 Claims. (Cl. 298—9)



1. In a dumping truck having a chassis and a body mounted on the chassis for movement about both horizontal and vertical axes, the combination of a hoist cylinder having a piston therein for moving the body about the horizontal axis, a swing cylinder having a piston therein for moving the body about the vertical axis, a fluid pump, and means for selectively connecting the pump to one of said cylinders to operate the piston therein and thereby move the body about its corresponding axis.

2,253,549
BLASTING FUSE ANCHOR
Thomas E. Barton, Littleton, Colo.
Application July 25, 1938, Serial No. 221,137
1 Claim. (Cl. 102—6)

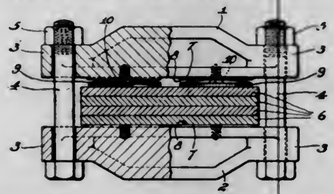


An integral self-anchoring blasting cap for fuses consisting of: a tubular metallic member closed at one extremity and open at the other; detonating material in the closed end of said member; said member having a circumferential constriction spaced a substantial portion of the length of the member from the open end to bear upon a fuse; said member having a plurality of spaced apart slits extending from the open end to a location adjacent the said constriction providing a plurality of fangs flared outwardly whereby to maintain the cap and associated fuse within a blasting charge.

2,253,550
CONDUCTOR CLAMP
Donald I. Bohn, South Hills, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 26, 1938, Serial No. 226,951
4 Claims. (Cl. 24—135)

1. A clamp for fastening together a plurality of

substantially flat conductors and the like comprising a pair of opposed clamping members, a cambered spring washer secured at the center of convexity thereof to a flat inner face of one of said members, said washer being adapted to be compressed toward and flattened against said face of said member, a boss raised from the inner face of the other of said members having a surface forming a flat clamping face, said boss encompassing an area substantially coextensive with that encompassed by said washer and disposed opposite said washer, said washer and said boss serving as means for spacing said members from objects clamped and for thus confining ap-



plied clamping pressure within the areas mutually encompassed thereby, and means releasably connecting opposed ends of said members but spaced from said washer and said boss for drawing up said members and holding the same in clamped relationship on opposite sides of objects clamped, said means being thus adapted to compress and flatten said washer between said washer securing member and objects clamped, whereby flattening of the washer upon drawing up the clamping members produces a predetermined pressure in the clamp and telltale indication that such pressure has been produced noticeable by visual inspection and by manually sensible change in the resistance of the clamp to being drawn up.

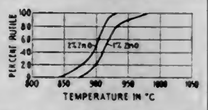
2,253,551

TITANIUM PIGMENT PRODUCTION

James Eliot Booge, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 22, 1938, Serial No. 215,220

17 Claims. (Cl. 106—296)



1. A process for preparing white pigments comprising heating a mixture of anatase titanium dioxide and a minor amount of zinc oxide at a temperature between above 840° C. and 1100° C., until by X-ray examination the presence of a substantial amount of rutile titanium dioxide can be detected.

2,253,552

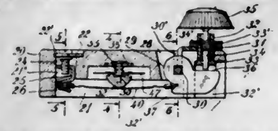
SNAP-ACTING DEVICE

Lyndon W. Burch, Bronxville, N. Y., assignor to The Wilcolator Company, a corporation of Delaware

Application June 23, 1938, Serial No. 215,333

3 Claims. (Cl. 74—97)

1. An actuating device comprising a sheet of flexible material, curved members secured to the ends of the sheet for holding it in a generally trough shape, and means for subjecting the sheet to endwise compression, said curved members having recesses therein for receiving said means to locate the sheet relative to said means, said sheet being operable to buckle abruptly when



compressed a predetermined amount and to return abruptly to its original position upon release of the compression.

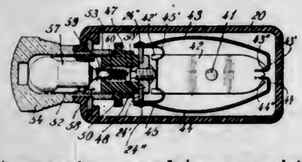
2,253,553

SNAP-ACTING DEVICE

Lyndon W. Burch, Bronxville, N. Y., assignor to The Wilcolator Company, a corporation of Delaware

Application July 30, 1938, Serial No. 222,134

12 Claims. (Cl. 200—138)



1. A temperature regulator comprising a pair of opposed bimetallic members adapted to flex in opposite directions in response to a change in temperature and having adjacent ends, a flexible strip disposed between the members with one end of the strip operatively connected to said adjacent ends of the members, said members being operable conjointly on said end of the strip to move the same toward the opposite end of the strip, means for mounting said strip and members, adjustment means for compressing the strip endwise relative to said members, and control means coacting with the strip intermediate its ends.

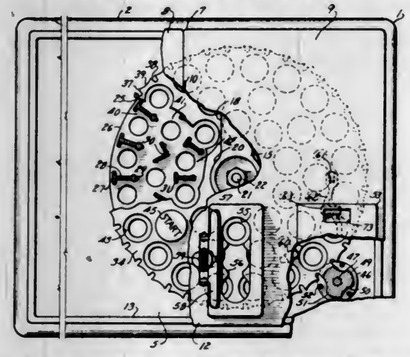
2,253,554

VENDING APPARATUS

Eben M. Calder, Kansas City, and William H. Witte, Avondale, Mo., assignors to General Vender Manufacturing Company, a corporation of Missouri

Application May 11, 1939, Serial No. 273,006

6 Claims. (Cl. 312—36)



1. In an apparatus of the character described, a cover member having an opening, a casting rotatably mounted on the cover member for supporting bottled goods including a bottom plate

member, an annular series of spaced partition members on said plate member, an annular series of brace members concentrically arranged relative to said partition members, and an annular series of partition members concentrically arranged relative to said brace members and first-named partition members, said partitions and brace members forming chambers therebetween respectively alignable with said opening for dispensing bottled goods from the chambers through the opening.

2,253,555

NITRO-AMINO-PYRENES AND PROCESS FOR MAKING SAME

Peter George Carter, Manchester, England, and John Lambert Grieve, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 9, 1938, Serial No. 229,218. In Great Britain September 9, 1937

4 Claims. (Cl. 260—578)

1. A process for the manufacture of dinitro-aminopyrenes which comprises treating amino pyrene with an acylating agent selected from the group consisting of lower aliphatic carboxylic acids and aromatic carboxylic acids of the benzene and naphthalene series to convert the same into the corresponding acylamidopyrene, reacting upon the latter compound with an excess over two moles of nitric acid of not less than 30% concentration, whereby a dinitro-acylamino-pyrene is produced, and then heating the latter compound with alcoholic ammonia under pressure to hydrolize off the acyl radical, producing a dinitro-amino-pyrene.

4. Di-nitro amino pyrene.

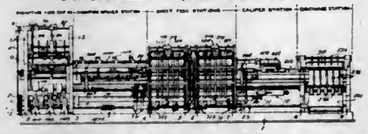
2,253,556

SIGNATURE HANDLING MACHINE

Martin Christensen, Milwaukee, Wis.

Application August 24, 1939, Serial No. 291,662

57 Claims. (Cl. 270—55)



1. A signature handling machine comprising a conveyor, means for automatically performing all operations essential to the feeding of a closed signature onto said conveyor, opening the signature on said conveyor, insetting a sheet into the opening formed in the signature, calipering and discharging the signature in a continuous automatic cycle of operation, said conveyor means adapted to receive said closed signature in upright position and advance it through said machine, a plurality of mechanisms for performing the several operations on the signature, and means for controlling the synchronized advance of the signature conveyor and the operation of said mechanisms.

2,253,557

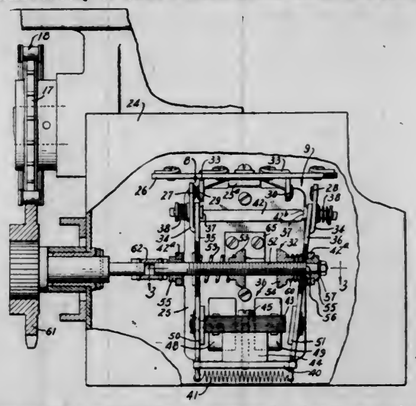
COMBINED LIMIT SWITCH AND RELAY

Harold F. Collins, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application February 27, 1939, Serial No. 258,621

23 Claims. (Cl. 200—104)

1. A switch mechanism of the type described comprising, in combination, a pair of switch arms supported in spaced and opposed relation for individual swinging movement toward and away from each other into and out of switch closing positions, means yieldably urging both of said arms to switch open position, an electromagnetic device for pulling said arms toward said closed positions, a releasable latching mechanism engageable with said switch arms when either of them is in its closed position, a screw arranged transversely of said switch arms and rotatable in



accordance with the movement of an associated movable member, means including a pair of traveling nuts threaded on a portion of said screw between said switch arms and fixed against rotation for releasing said latching mechanism, and compression springs interposed between respective ones of said traveling nuts and the adjacent ones of said switch arms for biasing the switch arms outwardly to open position with variable forces determined by the positions of said nuts.

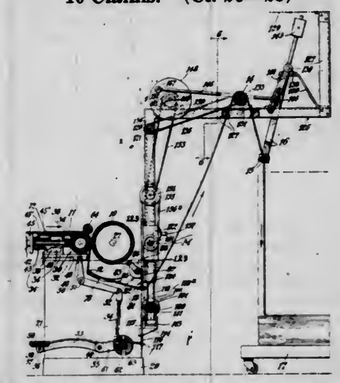
2,253,558

APPARATUS FOR SUEDING CLOTH

George M. Curtin, Gloversville, N. Y.

Application June 28, 1939, Serial No. 281,631

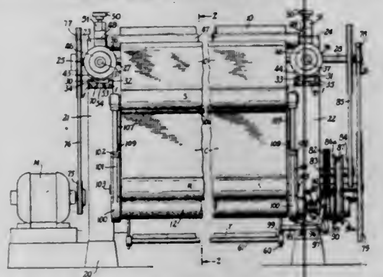
10 Claims. (Cl. 26—28)



1. Apparatus for sueding a long length of cloth comprising in combination an abrasive drum, a presser roller cooperating therewith, means for rotating said abrasive drum and said presser roller, means for directing said length of cloth between said drum and roller, a member extending transversely across the path of travel of said length of cloth beyond the point of nearest approach between the drum and roller, and means

for adjusting said member through an arc all points of which are equidistant from the axis of said drum.

2,253,559
MACHINE FOR SUEDING CLOTH
George M. Curtin, Gloversville, N. Y.
Application October 22, 1940, Serial No. 362,200
13 Claims. (Cl. 26—28)



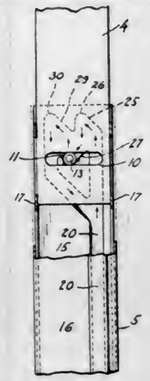
1. A machine for sueding cloth comprising an abrasive drum, and a cooperating feed and presser roll, means for adjusting the distance between said drum and presser roll to vary the pressure exerted on a strip of cloth engaged between said drum and said feed and presser roll, and means for pressing a strip of cloth against the surface of the presser roll in advance of the line of contact between the cloth and the abrasive drum.

2,253,560
MANUFACTURE OF HALOGENATED PHTHALOCYANINES
Stanley Rawlings Detrick and Kenneth Carl Johnson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
4 Claims. (Cl. 260—314)
No Drawing. Application October 6, 1939, Serial No. 298,256

1. A process for producing a halogenated metal phthalocyanine which comprises reacting phthalonitrile with a metalliferous reagent in the presence of an alkali-metal halide as a diluent to produce a reaction mass consisting essentially of a metal-phthalocyanine and said diluent, then admixing the reactiton mass with anhydrous aluminum chloride and heating the resulting mixture to produce a fluid mass while subjecting it to the action of a halogenating agent, selected from the group consisting of chlorine and bromine.

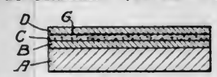
2,253,561
DECK LID SUPPORT
George N. Harden, Marion, Ohio, assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 2, 1938, Serial No. 205,449
2 Claims. (Cl. 217—60)

1. A lid support comprising inner and outer telescoped members having their outer ends adapted to be pivotally secured to the lid and a support therefor, the outer of said telescopic lid members comprising a matched pair of symmetrical metal stampings provided with matched stamped grooves which cooperate to form a guideway, a pin slidably held in a transverse slot in the inner telescopic member and adapted to travel in the guideway formed by the said grooves as the lid is raised and lowered, and cooperating cam surfaces and stops formed in said matched symmetrical members along the said guideway arranged to coact with said pin whereby the lid



can be automatically latched upon raising the same and automatically unlatched preparatory to lowering the same.

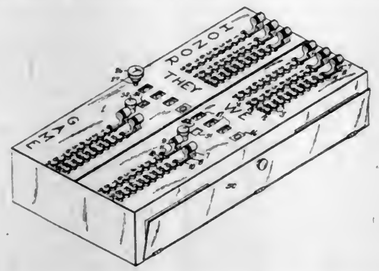
2,253,562
PHOTOSENSITIVE TRANSPARENCY
Walker M. Hinman, Winnetka, and Walter G. Hollmann, Chicago, Ill., assignors to The Frederick Post Company, Chicago, Ill., a corporation of Illinois
Application July 8, 1939, Serial No. 283,377
16 Claims. (Cl. 95—8)



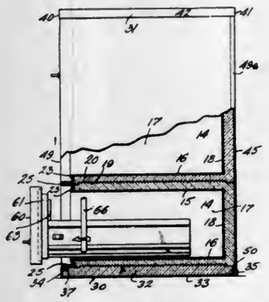
1. The method of making a transparency which comprises coacting a transparentizable base sheet with a coating composition containing a coating base and a transparentizing agent which is non-solvent toward said coating base to provide a transparent sheet, coating onto said coat a second composition which is a non-solvent for the base of the first coat, which contains a suspended grit, and which dries to a waterproof coat, and applying over said coat a light-sensitive aqueous composition of the chromate-glue type in which a pigment-forming substance is suspended.

2,253,563
GAME COUNTER
Francis A. Humphreys, Fayetteville, Ark., assignor to Thomas Hadden Humphreys, as trustee, Little Rock, Ark.
Application April 26, 1939, Serial No. 270,086
7 Claims. (Cl. 235—79)

1. In a device of the class described, a top plate having an opening, a counter wheel beneath said plate and disposed vertically thereto with a drum-like periphery bearing numerals which may be exposed consecutively through said opening, said wheel having laterally projecting pins, a group of numerals on said plate at the side of said opening, a rack bar beneath said plate and manually slidable longitudinally of said group of numerals from an original zero position and having teeth adapted to engage said pins, a spring device normally holding said teeth out of engagement with said pins, manually operable means for rendering said spring device ineffective and thereby engaging said teeth and pins, whereby movement of said rack bar to its original position will rotate said counter wheel to expose through said opening a numeral thereon determined by the movement of the rack bar along said group of numerals.



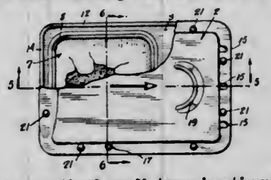
2,253,564
HEAT INSULATING CABINET OR FILE
James R. Jones, Lakewood, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.
Application April 25, 1939, Serial No. 269,929
6 Claims. (Cl. 109—82)



1. A heat insulating cabinet comprising a monolithic hollow cast body of heat insulating material open at its front end, a metal rim covering the front rim of said hollow body but leaving bare the remaining exterior surfaces of the body, base and top sections, secured respectively on the bottom and top of said unit and each comprising a slab of heat insulating material and a metal sheath covering the outside face and edges of the slab, said top section and the top wall of said hollow body each being approximately half as thick as the back and side walls of said body so that the top insulating wall of the cabinet formed by said top section and the top wall of said hollow body will have approximately the same thickness as the back and side insulating walls of the cabinet, and a metal sheath covering the external side and back surfaces of said hollow body and joined to the metal sheaths of the base and top sections and also to said metal rim to complete an outer metal casing for the cabinet.

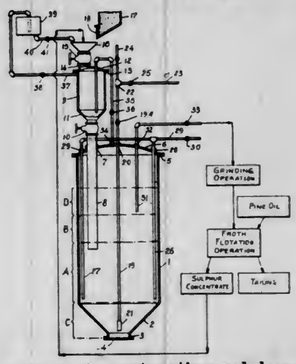
2,253,565
CONTAINER
Arthur J. Kinsman, New York, N. Y., assignor to Purepac Corporation, New York, N. Y., a corporation of New York
Application May 27, 1939, Serial No. 276,031
1 Claim. (Cl. 220—27)

A container of the class described having a body portion, a top member having a depressed main portion leaving raised peripheral edges secured to the body portion of the container, said depressed portion being provided with a window adjacent one edge of the container and spaced a substantial distance from the opposite edge thereof, said window having a continuous peripheral ridge projecting upwardly therefrom and having an inner vertical wall lying in the same plane as the inner face of the top member, a frangible member secured to the inner face of the top member and closing the window, the window



ridge and its vertical wall terminating below the top of the raised peripheral edges of the top member, and a cover member slidably engaging said raised peripheral edges of the top member and adapted to move above the window ridge and vertical wall, a stop member to position said cover in its closed position to completely cover the top member and window, and a second stop member adapted to limit the opening of the cover when its sliding movement has completely uncovered the window.

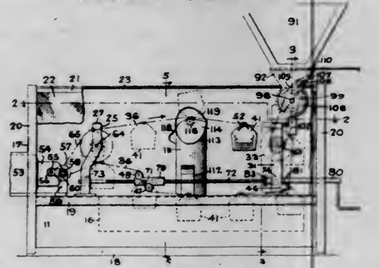
2,253,566
RECOVERY OF SULPHUR
Ernest Klepetko, Pacific Palisades, Calif.
Application May 14, 1938, Serial No. 207,869
3 Claims. (Cl. 23—308)



3. In a process for extracting sulphur from an ore comprising a mixture of sulphur with gangue material that is solid at the melting point of sulphur, involving heating the ore in the presence of water in a heating chamber to cause the sulphur to melt and collect as a pool of molten sulphur overlain by an aqueous body containing gangue material in suspension and withdrawing sulphur from the pool, the improvement which comprises introducing steam substantially free of liquid water into the aqueous body above the pool to heat the aqueous body and create a turbulent zone in the lower portion thereof, introducing the ore into said turbulent zone a substantial distance above the point at which steam is introduced, whereby the sulphur of the ore is melted in the turbulent zone and collects for the most part in the pool of sulphur and unfused gangue material with some sulphur rises and

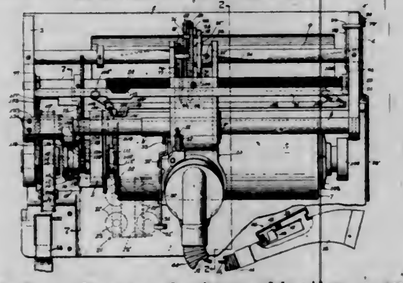
collects in a relatively quiescent zone above the turbulent zone, withdrawing water and unfused gangue material with some sulphur from the upper portion of said quiescent zone, subjecting the withdrawn gangue material to a flotation operation to separate the gangue material from sulphur withdrawn with it and form a substantially gangue-free sulphur concentrate, and reintroducing the sulphur concentrate into the turbulent zone of the aqueous body in the heating chamber to recover the sulphur contained in said concentrate.

2,253,567
COOKING DEVICE
William L. Kochenour and Harry W. Wineka, York, Pa.
Application August 10, 1939, Serial No. 289,390
4 Claims. (Cl. 53—7)



1. A cooking device of the class described, comprising an elongated trough for the cooking fluid, an endless conveyor comprising two chains, the upper and lower runs of each chain being vertically spaced apart, means for operating said conveyor, diametrically disposed alined pins projecting inwardly from said chains at intervals throughout the length of the conveyor, a plurality of spaced apart baskets, each basket being disposed between a pair of alined pins, a notch formed in each side wall of each basket for receiving a pin, a spring member carried by each side wall of each basket to engage the pin to thereby detachably retain the pin in the notch, and means for guiding the conveyor so that said baskets have a path of movement into said trough, through said trough and out of said trough.

2,253,568
PHONOGRAPH
Louis Z. La Forest, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application October 29, 1938, Serial No. 237,648
42 Claims. (Cl. 274—17)



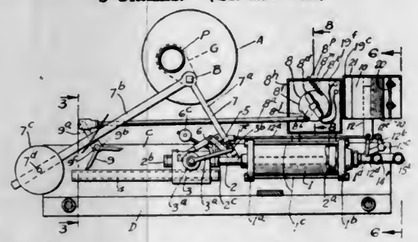
19. In a phonograph: in combination, a support onto and from which a record may be mounted and removed; a record-cooperating sound translating device advanceable and backspaceable relative to the record; an advance device biased in one direction of its movement; means operatively connecting said advance device with said translating device for moving the former in the opposite direction in accordance with the advance of the latter into positions of farthest advance; means normally effective to restrain said advance device from movement in said one direction; a movable element biased in one direction and moved in the other by the record incidental to the placing of the record in mounted position on said support; and means, controlled by said element, for effecting the release of said advance device from said restraining means.

2,253,569
BEARING
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware
Application January 10, 1940, Serial No. 313,165
10 Claims. (Cl. 33—154)



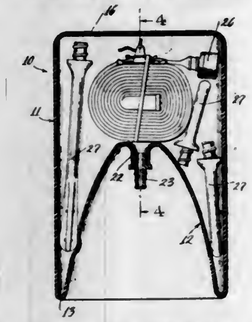
1. A bearing comprising a mounting formed with an opening providing a seat having spaced-apart facing end surfaces, a cylindrical pivot member in said opening with the ends of the pivot member abutting said end surfaces, and means for retaining the pivot member in said opening, said means comprising lip portions formed on said mounting in position cooperatively engaging the cylindrical surfaces of said pivot member between the ends thereof.

2,253,570
AUTOMATIC HYDRAULIC ELEVATOR VALVE CONTROL
Vincent F. Lovejoy, San Diego, Calif.
Application November 13, 1937, Serial No. 174,499
5 Claims. (Cl. 121—38)



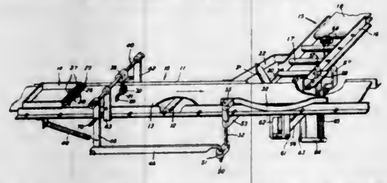
1. In an automatic hydraulic elevator valve control of the class described, the combination of a cylinder, a piston reciprocally mounted therein, a crosshead member in connection with said piston, guide means in connection with said crosshead member, a means to stop said crosshead member in its movement at a predetermined point and a trip means for said crosshead member stop means.

2,253,571
SYRINGE BAG
Thomas W. Miller, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio
Application October 27, 1939, Serial No. 301,622
2 Claims. (Cl. 128—227)



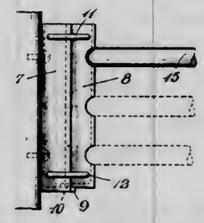
2. As an article of manufacture, a compact transportable syringe bag structure, comprising a tubular portion, the defining wall at one end of which continues in a reverse direction inwardly of said tubular portion, providing a continuing wall so formed that it tapers in defining area toward its extremity to an outlet opening, and is generally co-extensive with a portion of said defining wall to such extent that it stops short of filling the space within said tubular portion, thereby providing an unoccupied space which forms a receptacle adapted to contain the syringe bag attachments, said continuing wall being flexible and capable of movement to a position wherein it forms a pouch-like portion extending from said one end and continuing in the same direction as said defining wall, and in such position said tubular portion and said pouch-like portion together constitute a receptacle for fluid for syringe purposes, and single cover means, provided adjacent the other end of said tubular portion, so constructed and arranged that it forms a closure for both the attachment and fluid receptacles.

2,253,572
CONVEYER
Donald H. Mitchell, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 26, 1939, Serial No. 292,047
6 Claims. (Cl. 198—38)



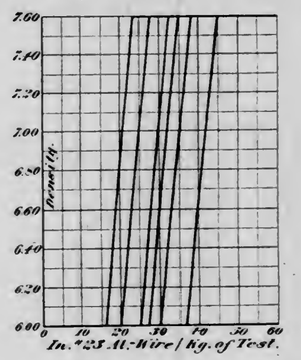
1. A conveyer system comprising a deflecting mechanism including a deflector movable between a normal position and a deflecting position, a rock shaft operatively connected to the deflecter, an arm projecting from the rock shaft, and a selector pivotally supported by the arm and having projections disposed at opposite sides of the arm to cause movement of the arm and the shaft to move the deflector into its deflecting position when a plurality of the projections is engaged by a moving object.

2,253,573
REFRIGERATOR
Alfred E. Nave, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application November 19, 1937, Serial No. 175,514
7 Claims. (Cl. 211—146)



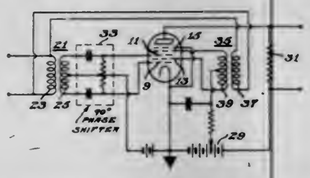
1. Shelving for the food compartment of a refrigerator cabinet comprising a shelf, shelf supporting bracket units positioned adjacent opposed side walls of said compartment, each of said units comprising a stationary guide member anchored to its adjacent side wall and formed with a trackway, a vertically movable shelf supporting bracket mounted in said trackway, links connecting said brackets for limited arcuate movement of said movable bracket, said movable bracket being formed with notches or indentations for releasable engaging the shelf.

2,253,574
METHOD OF CONTROLLING THE DEOXIDATION OF STEEL
Carl F. Norbeck, Wanakah, N. Y., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application January 11, 1938, Serial No. 184,388
3 Claims. (Cl. 75—58)



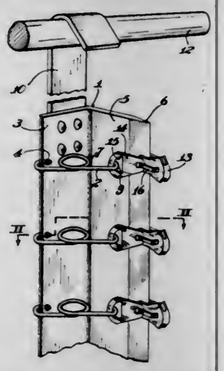
1. A process of controlling the deoxidation of a heat of steel which comprises the steps of taking a small sample of the steel, adding deoxidizer to the sample until the sample has the flat top characteristic of semi-killed steel, thus determining the amount of deoxidizer required to bring the sample to the flat top state, comparing this amount of deoxidizer with the amounts of deoxidizer required for samples of previous heats of steel of varying degrees of oxidation to ascertain a previous heat having a similar degree of oxidation, and adding deoxidizer to the heat of steel in amount as indicated by such similar previous heat to give the desired degree of deoxidation.

2,253,575
FREQUENCY MULTIPLIER
Lowell E. Norton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 1, 1939, Serial No. 292,972
6 Claims. (Cl. 250—36)



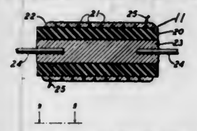
6. A frequency multiplier comprising thermionic tube means including at least two pairs of grid electrodes, a source of alternating voltage, means for applying said alternating voltage in phase opposition between the grid electrodes of one of said pairs of grid electrodes respectively and a point of reference potential, 90° phase-shifting means, means including said phase-shifting means for applying said alternating voltage in phase opposition between the grid electrodes of the other of said pairs of grid electrodes, respectively, and said point of reference potential and in phase quadrature with the respective voltages applied to said one of said pairs of grid electrodes, and means for deriving an alternating output voltage from said thermionic tube means the frequency of which is a multiple of the frequency of said alternating voltage.

2,253,576
WORK-HANDLING MECHANISM
Gerald F. Palmer, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 31, 1938, Serial No. 237,827
4 Claims. (Cl. 204—297)



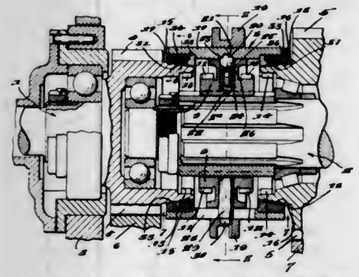
1. A rack for supporting assembled sliders and pulls for hookless fasteners during electrolytic treatment thereof, comprising a member having two angularly and rigidly disposed legs, one leg of said member having a beveled edge adapted for insertion within a slider in electrical contact therewith, and a spring element attached at one end to the other leg adapted to extend toward said first leg and to hold said pull under tension and in electrical contact therewith, whereby the slider is positively maintained upon the beveled edge of said leg.

2,253,577
RESISTANCE DEVICE
Gerald L. Pearson, Towaco, N. J., and Joseph B. Stucky, Jr., Riverside, Conn., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1939, Serial No. 266,506
4 Claims. (Cl. 201—64)



4. A resistor unit comprising an insulating support having a cavity therein, an element of silver sulphide within said cavity, said element being in close thermal and mechanical contact with said support due to radial forces exerted between said support and element and a heater means mounted on and in intimate thermal contact with said support and separated from the silver sulphide thereby.

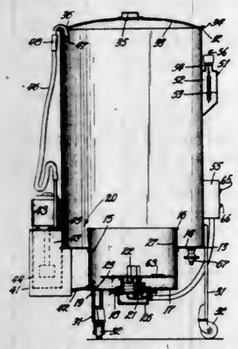
2,253,578
SYNCHRONIZING CLUTCH
Carl D. Peterson, Edward W. Zingsheim, and Robert R. Burkhalter, Toledo, Ohio
Application April 20, 1939, Serial No. 268,972
12 Claims. (Cl. 192—53)



1. In a synchronizing clutch member for clutches of the type including driving and driven members, one of which is shiftable axially into and out of engagement with the other, said members having complemental toothed and friction clutch faces and the shiftable member including inner and outer concentric sections, one being mounted on the other, and one section being provided with a toothed clutch face and the other being a friction section provided with the friction clutch face, said sections being shiftable as a unit and the toothed section shiftable axially relatively to the friction section when the friction section is shifted into engaged position, said sections being also mounted to have relative rotary movement, within limits, and rotatably shiftable into a predetermined radial relation by the synchronization of the speeds, and shifting means acting on the toothed section; the combination of yielding coupling means between the sections including a radial and circumferentially movable part, one of the sections being formed with a socket substantially fitting said part and the other with a recess of greater length in a circumferential direction than the socket and substantially the same width as the socket in an axial direction, said part being arranged partly in both the socket and the recess, and resilient means for pressing said part radially into the socket, when the sections are in said predetermined radial relation, said resilient means and

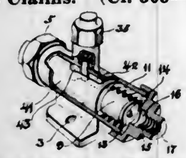
said part being shiftable out of coacting position by the relative rotary shifting while the speeds are synchronizing.

2,253,579
PORTABLE DEGREASING UNIT
Willard D. Phillips and Ralph A. Van Fossen, Chicago, Ill., assignors, by direct and mesne assignments, to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application June 3, 1940, Serial No. 338,478
2 Claims. (Cl. 202—170)



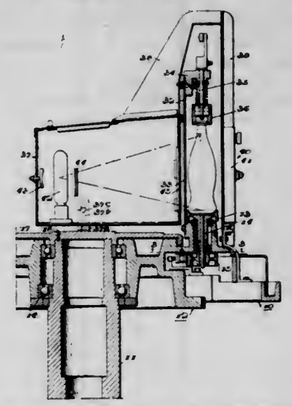
1. In a portable degreasing apparatus, the combination of a vapor chamber having side walls of thin heat conducting material, a distillate sump in the bottom of said chamber, a vaporizing sump below the distillate sump, said sumps being arranged to include means to direct all of the condensate on the side walls of said chamber into the distillate sump, means to direct the condensate from the distillate sump, either to the vaporizing sump or to a separate container at the will of the operator, an electric heating element mounted in the vaporizing sump adjacent its bottom, a temperature-sensitive element in operative relationship with said heating element, a temperature control chamber adjacent the top of the vaporizing chamber and outside of the dimensionable limits of said chamber, a temperature-sensitive vapor actuated element housed in said control chamber, means responsive to the operation of said temperature-sensitive elements to control the aforesaid heating elements, the proportion and structure of the vapor chamber, the sumps and the heating element providing means to degrease materials and return the distillate to the vaporizing sump for continuous degreasing operation, and to separate the clear liquid solvent from contaminated solvent, including only the thin heat conducting side walls of the vapor chamber as the sole condensing means.

2,253,580
SAFETY VALVE DEVICE FOR FLUID BRAKE SYSTEMS
Norman H. Rahe, Cleveland, Ohio
Application May 7, 1940, Serial No. 333,769
2 Claims. (Cl. 303—84)



1. A safety device for fluid pressure systems which comprises a cylinder having inlet and outlet terminals adapted to be connected with the passageways of a fluid pressure line, a floating piston within said cylinder intermediate said inlet and outlet passageways, means on said piston for sealing said outlet passageway in the event of a pressure drop through leakage in the outlet pressure line, means for normally maintaining said piston in non-sealing relation to said outlet passageway, an extension housing on said cylinder communicating with said cylinder at a point intermediate the operative path of travel of said piston, a locking pin mounted for straight-line locking movement in said housing and normally bearing in pressure relation against said piston, and means on said piston for locking engagement with said locking pin when the piston has traveled in valve sealing relation to the outlet passageway.

2,253,581
CONTINUOUS INSPECTION DEVICE
James H. Reynolds, Baltimore, Md., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware
Application July 1, 1939, Serial No. 282,395
5 Claims. (Cl. 88—14)

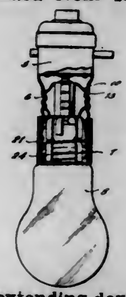


1. Apparatus of the class described comprising, in combination: radiant energy means to inspect liquid contained in closed packages; means to move the packages to and from a point of inspection; means, including drums, to rotate said packages so as to cause motion of the liquid therein; and brake means to stop the rotary movement of said packages before inspection of the contents thereof, said means comprising a cam-like member fixedly mounted adjacent the point of inspection, and individual brake arms pivotally mounted in conjunction with said rotating means so as to frictionally engage the drums of such upon coming into contact with said cam-like members.

2,253,582
LAMP SOCKET
De Soto E. Richardson, Azwell, Wash.
Application November 3, 1939, Serial No. 302,731
3 Claims. (Cl. 173—358)

1. A spring socket attachment comprising a metal disk, a tube extending upwardly from the center of said disk, a contact member mounted in said tube and slidable longitudinally therethrough, a spring urging the contact upwardly, spring arms extending upwardly from the periphery of said disk and having their upper ends bent inwardly into engagement with the outer wall of

said tube and their intermediate portions crimped for engagement with the threaded shell of a lamp socket, spring fingers extending downwardly from said disk between said arms, a tubular sleeve suspended from said spring fingers,



and spring arms extending downwardly from said disk for substantially the length of said sleeve and having portions intermediate their ends crimped to form teeth for gripping the base of a light bulb.

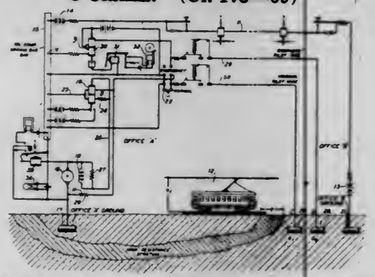
2,253,583

GROUND POTENTIAL COMPENSATOR

Leland C. Roberts, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 18, 1939, Serial No. 257,266

3 Claims. (Cl. 178—69)



1. A telegraph system comprising separated offices, grounding points at each of said offices, means at one of said offices for equalizing the potentials at said grounding points, parallel paths included in said means, an electric current generator in one of said paths for generating current opposing any flow of current between grounding points due to differences in potentials at the grounding points at said separated offices and an impedance element included in the other of said paths arranged to automatically adjust its resistance value in accordance with the intensity of current generated by said generator.

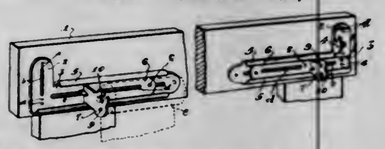
2,253,584

COMBINATION SHADE AND CURTAIN BRACKET SUPPORT

Lula H. Robinson, Dallas, Tex.

Application September 30, 1938, Serial No. 232,477

1 Claim. (Cl. 248—252)



In a combination shade roller and curtain rod support, an L-shaped base member, the shorter leg of said base member being provided with a plurality of aligned apertures in spaced apart relation, some of said apertures being separated from each other by a slot in said leg extending intermediate the ends thereof and in alignment with said apertures, the longer leg of said base member being provided with a slot extending centrally and lengthwise of said leg and terminating intermediate the ends thereof, said longer leg having the marginal edges thereof turned inwardly to provide a guide way, and a shade roller bracket provided with a slotted arm portion in registry with said second mentioned slot and adapted to slidably engage in the guideway of said longer leg of said base member, and means passing through said slots for holding said bracket in adjusted position on said base member.

2,253,585

LUBRICATING OIL COMPOSITION

John E. Schott, New York, N. Y., and Leonard R. Churchill, Cranford, N. J., assignors to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware

No Drawing. Application April 12, 1938, Serial No. 201,510

4 Claims. (Cl. 252—37)

1. Substantially liquid and non-stringy lubricating oil for internal combustion engines operating at high sustained speeds and under extreme service conditions of temperature and pressure such as may be encountered in Diesel engine lubrication, which comprises a hydrocarbon motor oil of suitable viscosity for the intended service which has been compounded and heated with approximately 1% by weight of aluminum stearate and a quantity of an alkylolamine, in the range of about 5% to about 20% by weight of said aluminum stearate, sufficient to improve the lubricating efficiency of the oil, said compounded oil having substantially the viscosity and fluidity characteristics of the uncompounded oil.

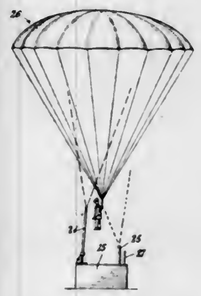
2,253,586

PARACHUTING

Gabriel Gilbert Serkau, Montreal, Quebec, Canada, assignor to F. William Zelcer, New York, N. Y.

Application August 14, 1940, Serial No. 352,599

16 Claims. (Cl. 35—12)



7. Apparatus as and for the purposes described, including, in combination, a first standpipe for delivering upward an air stream of lesser velocity; means serving said first standpipe for supplying air under pressure for such stream; a second standpipe for delivering upward an air stream of greater velocity; means serving said second standpipe for supplying air under pressure for such stream; a platform adjacent to and below the tops of said standpipes for a person harnessed to the parachute, the first standpipe being of a height such that the crown of the parachute umbrella can be so dropped thereon that the skirt portions of the umbrella drape sufficiently toward said platform that by action of the first-named air stream the umbrella is spread and the parachute raised to a height adequate to substantially tauten its shrouds, the second standpipe being of a height considerably greater than the height of the first standpipe; and cushion buffer means for encasing said second standpipe protectively relative to said person when the parachute with said person suspended therefrom adjacent to the lower ends of its shrouds is raised to elevate said person to a point above the top of the second standpipe, the means serving said second standpipe as aforesaid being adapted to supply the latter with air under such pressure as to cause discharge of the air stream from the second standpipe with great enough velocity to raise the parachute to elevate said person to said point.

2,253,587

PRODUCTION OF POLISHED SURFACES

Noel Shaw, Ivy Lea, Bank Top, Haydon Bridge, Northumberland, England, assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application December 7, 1938, Serial No. 244,359. In Great Britain December 10, 1937

3 Claims. (Cl. 91—68)

1. The method of producing a polished water-resistant surface coating upon porous articles of stone, brick, tile, wood, plaster and the like, which comprises pretreating said surface with an alkaline solution adapted to penetrate such surface and to act upon and immobilize an ester of silicic acid when contacted therewith, applying to the thus treated surface of such article a preservative layer of a polishing liquid essentially comprising at least one ester of silicic acid adapted to hydrolyze and deposit a hydrated silica; water; and a solvent for the ester; and thereafter vigorously rubbing the polishing liquid containing the resultant deposit of hydrated silica into the surface of said article, in the presence of a small amount of a lubricant, until a highly polished water-resistant coating is formed upon the surface of said article.

2,253,588

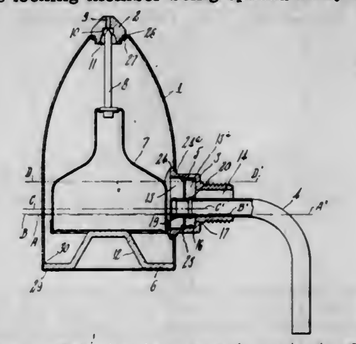
VENT VALVE FOR STEAM HEATING SYSTEMS

William K. Simpson, Waterbury, Conn., assignor to Hoffman Specialty Company, Waterbury, Conn., a corporation of Illinois

Application September 14, 1938, Serial No. 229,887

4 Claims. (Cl. 137—122)

1. A vent valve for steam systems comprising a casing having a vent port in its upper portion, a nipple projecting from the side of the casing having an outer end of dimensions suitable to enter the standard vent valve tapping of such systems, a float in the casing, a valve carried by the float and extending upward toward the port, a drainage tube passing through the nipple, and a locking member secured in the nipple having a hole through which the drainage tube passes and the tube having external abutments located at opposite sides of said member, said abutments being spaced apart from one another and the locking member being spaced away from



the float sufficiently to prevent contact of the inner end of the drainage tube with the float.

2,253,589

GENERATION AND TRANSMISSION OF HIGH FREQUENCY OSCILLATIONS

George C. Southworth, Red Bank, N. J.

Application August 6, 1938, Serial No. 223,424

15 Claims. (Cl. 178—44)



5. An ultra-high frequency oscillation generator, the output of which includes a fundamental frequency and harmonics thereof, metallic means enclosing said generator to confine oscillations of fundamental frequency to the immediate vicinity of said generator, and a metallically bounded wave guide connected to said enclosing means for withdrawing only oscillations of harmonic frequency.

2,253,590

PURIFICATION OF ACIDIC LIQUORS

Roy W. Sullivan, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 20, 1939, Serial No. 268,942

10 Claims. (Cl. 23—172)

1. A process for removing color-imparting ions from a residual sulfuric acid solution obtained from the hydrolysis of a titanium salt solution, comprising contacting said solution with calcium sulfate, during such contact maintaining the solution under conditions adapted to effect a change in the physical and chemical state of the calcium sulfate, through conversion and transition of said sulfate from one crystal form to another, and separating and recovering the purified acid solution from the residual calcium sulfate containing adsorbed impurities.

2,253,591

PULLEY

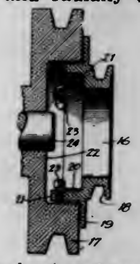
Ralph L. Travis and Brooks A. Otte, Sidney, Iowa, assignors to Monteith Bros. Inc., Elkhart, Ind., a corporation of Indiana

Application February 27, 1939, Serial No. 258,686

2 Claims. (Cl. 74—230.1)

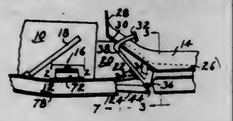
1. A compound pulley device of the class described comprising a pair of pulleys, one being adapted for mounting on a shaft and having an overhanging belt flange and the other being hol-

low and having a flange to extend freely within said belt flange, and radially disposed bearing



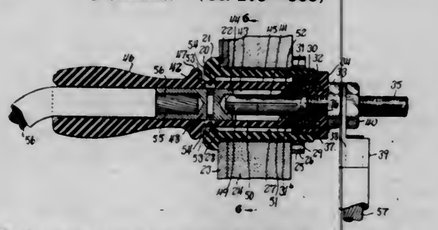
screws distributed about and carried by the second said flange to bear outwardly against the first said flange for coaxially aligning said pulleys.

2,253,592
MOTOR MOUNTING
Nils Erik Wahlberg, Kenosha, Wis., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application February 5, 1940. Serial No. 317,372
10 Claims. (Cl. 180—64)



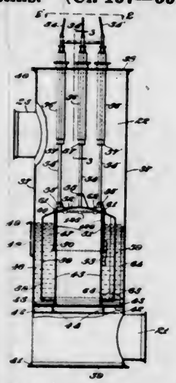
1. In an automobile having a frame, a motor, flexible means mounting said motor on said frame, a control lever on said motor, a control pedal on said frame, a bar yieldingly supported between said frame and said motor, a pulley carried on said bar and a cable passed around said pulley and attached to said control lever and said control pedal.

2,253,593
SEPARABLE ELECTRIC CONNECTOR
Roger M. Warren, Springfield, Mass., assignor to The Standard Electric Time Company, Springfield, Mass., a corporation of Connecticut
Application October 17, 1939, Serial No. 299,788
3 Claims. (Cl. 173—363)



3. A male electrical-connector construction including in combination: a mounting-panel structure having a hole therethrough; a hollow body-member in said hole and having a flange at the front of said mounting-panel structure and an interiorly-threaded open rear end, and an exterior threaded portion at the rear of said mounting-panel structure, and a threaded member on said exterior threaded portion and clamping said mounting-panel structure between said flange and said threaded member; said body-member having an opening in its front end for entry of a female electrical-connector, and interior limit-means adjacent its front end; a contact-post support threadedly mounted in said threaded rear end of the body-member; a contact-post secured to said contact-post support and extending forwardly; a guard-member in said body-member yieldingly held against said interior limit-means and having an aperture permitting said guard-member to pass rearwardly over the said contact-post by the introduction of the terminal end of a female connector through the opening in the front of the body-member.

2,253,594
VALVE
Tom Wilson, Baltimore, Md., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application November 4, 1938, Serial No. 238,819
6 Claims. (Cl. 137—53)

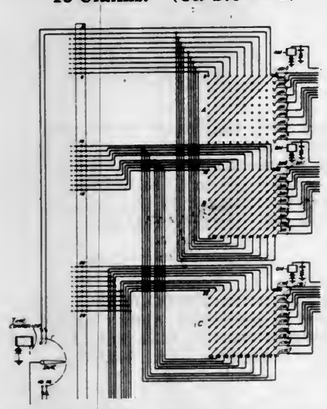


1. A valve for a gas main comprising an inet pipe adapted to lead from the said main, a water sealed bell covering said inlet pipe and adapted to move upwardly in response to increasing pressure of gas in the inlet pipe and to move downwardly in response to decreasing pressure of gas in the inlet pipe, a second water sealed bell seated on said first mentioned bell and movable therewith, said second mentioned bell being adapted to move upwardly independently of said first mentioned bell in response to a further increase of gas pressure in the inlet pipe thereby breaking said seat and permitting the flow of gas therethrough.

2,253,595
TITANIUM OXIDE PRODUCTION
Howard J. Wood, Baltimore, Md., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 26, 1938, Serial No. 242,603
8 Claims. (Cl. 23—202)

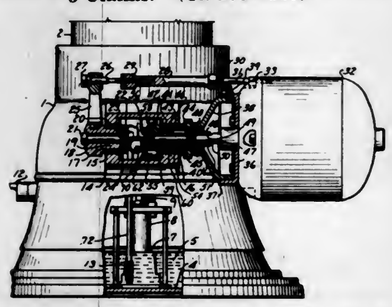
1. In a process for hydrolyzing a titanium salt solution at an elevated temperature to obtain a titanium oxide raw pigment precipitate therefrom, the improvement which comprises during nucleation of said solution maintaining the same in substantially turbulent condition by mechanically agitating the same, subsequently and during the period in which said solution changes from a substantially turbid condition to a substantially cream-colored appearance, reducing the turbulent condition thereof by reducing the extent of mechanical agitation which is applied thereto, thereafter and during substantially the remainder of the hydrolysis operation maintaining said solution in turbulent condition by again subjecting the same to strong mechanical agitation.

2,253,596
ELECTRICAL CALCULATING EQUIPMENT FOR TELEPHONE SYSTEMS
Esmond P. G. Wright, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 16, 1939, Serial No. 256,651
In Great Britain April 1, 1938
13 Claims. (Cl. 179—7.1)



13. In a telephone system, a first switch, means for advancing said switch in accordance with elapsed time intervals, a plurality of other switches, means for advancing said other switches in accordance with the hour and minute of elapsed time intervals, means for comparing the setting of said first switch with the settings of said other switches to determine the starting time of said first switch, and means controlled by said last-mentioned means for transmitting code signals indicative of the digits of the hour and minute of the starting time of said first switch.

2,253,597
MOTOR DRIVEN PUMP MOUNTING
Robert S. Wyne, Kansas City, Mo.
Application July 7, 1938, Serial No. 217,914
5 Claims. (Cl. 103—118)



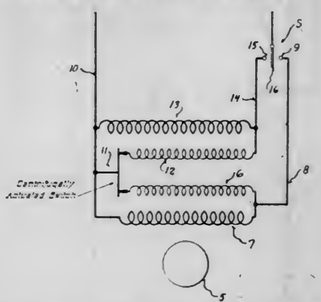
1. An apparatus of the character described including a support having a housing thereon, a pump having a driven shaft extending therefrom, a motor having a driving shaft extending therefrom, means on the motor fixing said motor to said housing in alignment with said pump driven shaft, means interconnecting said driving and driven shafts, a casting mounted on said housing, and means mounted on said casting engaged with said motor for aiding in supporting the motor on the housing.

2,253,598
PACKAGE FOR FISHERMEN
Walter M. Africa, Manchester, N. H.
Application June 27, 1939, Serial No. 281,395
8 Claims. (Cl. 43—32)



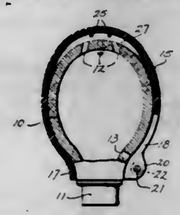
1. In a package for fishermen, the combination of a flat pouch having a mouth with lips which extend well down on each edge and which is closed by a fastening slide, said pouch having an inside waterproof lining with closure lips extending proximate and inside the mouth whereby the pouch is leaktight; with a flat, transparent case inside the pouch, said case having ventilating holes and a mouth with lips which extend well down on each edge.

2,253,599
ELECTRIC MOTOR
Wilbur R. Appleman, John T. Howes, and John V. Dalnodar, Wausau, Wis., assignors to Marathon Electric Manufacturing Corporation, Wausau, Wis., a corporation of Wisconsin
Application October 31, 1938, Serial No. 237,868
3 Claims. (Cl. 172—279)



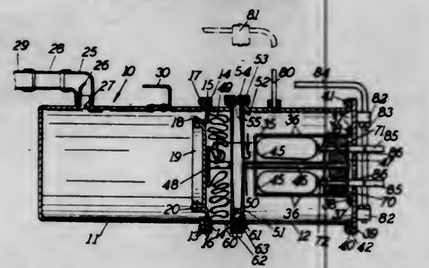
3. In an induction motor having a single armature: a set of low speed starting and running windings; a set of high speed starting and running windings; a first lead electrically connected with one end of the low speed starting and running windings; a second lead connected with one end of the high speed starting and running windings; a single pole double throw switch for connecting either of said leads with one side of a power line; a third lead connected with the opposite end of each of the running windings for connecting the same with the other side of the power line; and a centrifugally responsive switch for normally connecting the open opposite ends of the two starting windings with said third lead, said centrifugally responsive switch opening to simultaneously disconnect the said opposite ends of both of the starting windings from said last named side of the power line upon the attainment of a predetermined motor speed.

2,253,600
SANITARY DRINKING FOUNTAIN
Stanley E. Arneson, Milwaukee, Wis.
Application July 15, 1939, Serial No. 284,726
2 Claims. (Cl. 299—15)



1. The combination with a rigid perforated bubbler head of a yielding distensible covering therefor normally contiguous thereto and provided with jet apertures in its top portion, said rigid bubbler head being also provided with jet apertures out of line with those in the covering portion whereby on application of water pressure to the hollow bubbler head to press the covering away from said head and permit escape of water through the covering.

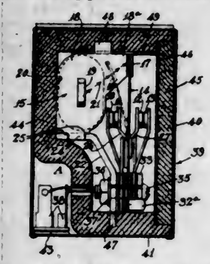
2,253,601
FIRE EXTINGUISHER
Howard E. Armstrong, Johnson City, N. Y.
Application July 6, 1938, Serial No. 217,753
3 Claims. (Cl. 169—32)



1. In a fire extinguisher having a casing, a movable partition forming a plurality of chambers within said casing, one of said chambers having a fluid outlet and containing a fire extinguishing substance, pressure forming means in another of said chambers comprising a plurality of separate frangible containers containing dissimilar substances which when brought together form an increased gaseous pressure in said chamber, a movable operating member having a plurality of projecting members connected to move therewith and arranged to rupture said containers and to concomitantly and preliminarily move said partition into said first chamber containing said fire extinguishing substance, said partition being further movable into said first chamber in response to an increase in said pressure.

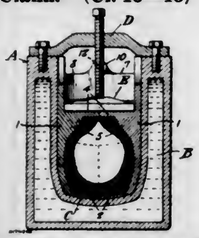
2,253,602
VIBRATOR
Edward L. Barrett, La Grange, Ill., assignor to Utah Radio Products Company, Chicago, Ill., a corporation of Illinois
Application February 20, 1939, Serial No. 257,362
14 Claims. (Cl. 200—90)

1. A vibrator comprising, in combination, a cantilever reed supported for vibration at a periodicity generally determined by the natural frequency of the reed, said reed occupying a generally straight-line mid-position when idle, means including an electromagnet for flexing the reed in one direction, the spring-back of the reed upon deenergization of said electromagnet serving to flex the same in the opposite direction, and means



cooperating with said reed for causing the same to flex in said opposite direction through an amplitude substantially equal to that in said one direction under the pull of said electromagnet and despite reenergization of said electromagnet during the spring-back of said reed.

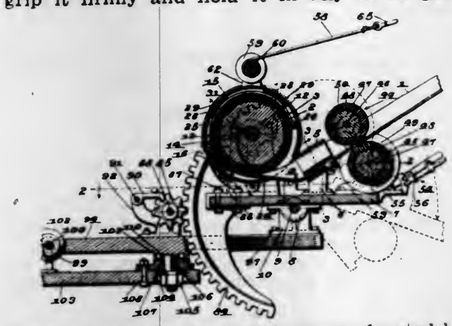
2,253,603
TIRE VULCANIZING MATRIX
Robert B. Battaglia, Lake Charles, La.
Application October 2, 1939, Serial No. 297,621
1 Claim. (Cl. 18—18)



A matrix for a tire repairing vulcanizing apparatus, comprising a pair of companion substantially identical sections, each constituting a half of the matrix and including bottom, top and side wall portions, said bottom wall portions decreasing in thickness from the ends thereof to their centers to provide a relatively thin central portion for the bottom wall, said side wall portions extending above the top wall portions, block portions formed on the side and top wall portions and rising from the latter for cooperation with each other and the top and side wall portions to provide a clamp plate receiving pocket, hinge means on the block portions for connecting the sections together for the disposal thereof in complete surrounding relation to a transverse portion of the tire, and said top wall portions being of a width to contact each other and shaped to follow and engage the entire rim engaging faces of the beads of the tire.

2,253,604
EXTENSIBLE CHUTE
Willard E. Blain, Van Buren, Ark.
Application March 7, 1940, Serial No. 322,858
15 Claims. (Cl. 227—37)

1. Apparatus of the character described comprising a cross-sectionally concavo-convex chute of thin flexible material, means in reference to which one end of the chute is windable and unwindable, actuating mechanism to retract and extend the chute, said mechanism including rollers which respectively are convex and concave to conform to the cross-sectional shape of the chute and being in close contact therewith to grip it firmly and hold it in any of its posi-

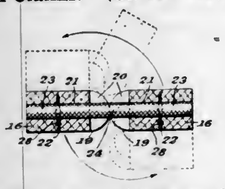


tions of extension, and guide means located between the winding means and said actuating mechanism to establish a predetermined pitch of the chute and to aid in flattening the concavo-convexity of the chute immediately in advance of its windings.

2,253,605
GAME APPARATUS
Nathan P. Bloom, Louisville, Ky.
Application November 22, 1938, Serial No. 241,750
5 Claims. (Cl. 273—136)

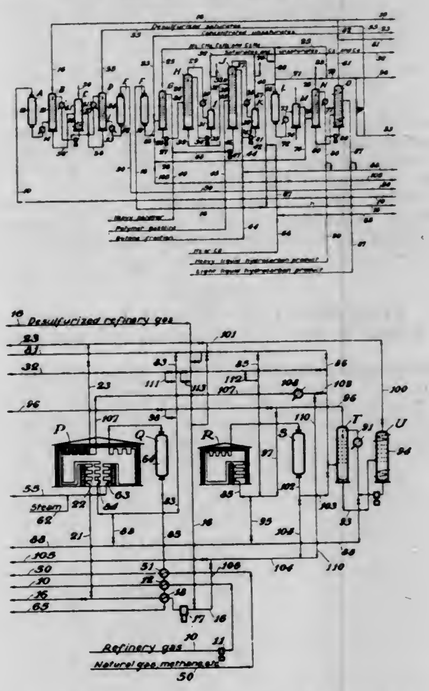
1. A game apparatus including a box; a scoring panel mounted longitudinally along one wall member thereof and having its top surface inclined with respect to the bottom of the said box; a partition mounted within the box substantially parallel with the said one wall member, and having its top edge below the top edges of the said box; a plurality of scoring tabs pivotally mounted longitudinally between the said partition and said one wall member, each of the said tabs adapted to conceal a portion of the scoring panel when swung to an operative position, and to rest on the top edge of the said partition when swung to an inoperative position.

2,253,606
HINGE JOINT
Fred S. Boltz, Mansfield, Mass.
Application June 11, 1940, Serial No. 339,915
4 Claims. (Cl. 16—150)



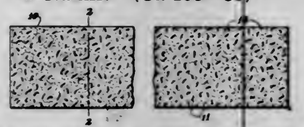
3. A hinge joint comprising two leaf members having oppositely convex arcuate abutting edges formed with registering slots and recesses communicating with the bottoms of said slots at substantially the centers of curvature of said edges, and a flexible member connecting said leaf members and having its ends anchored in said recesses.

2,253,607
HYDROCARBON CONVERSION PROCESS
George A. Boyd, Evanston, and Clarence H. Seeley, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 19, 1937, Serial No. 149,104
2 Claims. (Cl. 196—10)



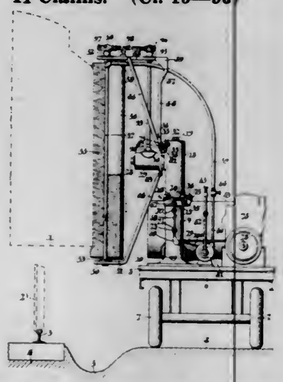
1. The method of preparing high anti-knock motor fuel which comprises subjecting substantially sulfur-free gaseous hydrocarbons to a controlled oxidation by contacting with steam and a catalyst comprising nickel at a temperature of about 1200 to 1500° F. to produce carbon monoxide and hydrogen, admixing said carbon monoxide and hydrogen with substantially unpolymerizable hydrocarbons, subjecting said mixture to a hydrocarbon synthesis step including contacting said mixture with a catalyst comprising a metal of the eighth group at a temperature of about 400° F. to synthesize hydrocarbon gases, separating from said synthesized hydrocarbon gases a fraction containing substantially unpolymerizable fixed gases, recycling the recovered fixed gases to the first-mentioned high temperature controlled oxidation to produce additional carbon monoxide and hydrogen, separating from said synthesized hydrocarbon gases a second fraction containing polymerizable gaseous hydrocarbons, polymerizing at least a part of said synthesized hydrocarbon gases to form liquid hydrocarbons boiling within the motor fuel boiling range, fractionating the polymerization product to recover at least one fraction comprising unpolymerized hydrocarbons, admixing said carbon monoxide and hydrogen from the oxidation step with the unpolymerized hydrocarbons from the polymerization step and passing the mixture to the hydrocarbon synthesis step.

2,253,608
FRICTION ELEMENT
Donald S. Bruce, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 2, 1936, Serial No. 113,765
3 Claims. (Cl. 106—36)



1. A friction element comprising a friction material, brass granules, granules of an organic carbonaceous substance the hardness of said substance being between 2 and 3 on Mohs' scale of hardness at the temperature of the use of the friction element, the granules of the two kinds being embedded in said material in generally alternating relationship with one another.

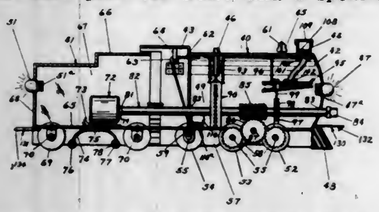
2,253,609
PORTABLE CAR CLEANING MACHINE
Arthur W. Byron, Wilmington, Del., and Julius Torok, Renovo, Pa.
Application January 13, 1940, Serial No. 313,684
11 Claims. (Cl. 15—53)



4. In a car cleaning machine, a portable truck, a hollow mast on the truck, a pivotal casing on the mast and having a laterally directed branch, a revolvable casing carried by the said branch and including a frame structure, buffer means normally preventing movement of the revolvable casing and holding the frame structure vertical, said buffer means permitting self-adjustment of the revolvable casing and frame structure to maintain the latter aligned with the vertical, a rotary brush journaled in the frame structure, means supplying cleaning fluid to the brush, and means partly housed within the mast and lateral branch for operating the rotary brush.

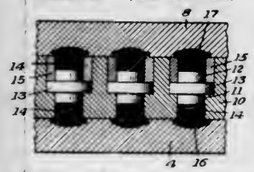
2,253,610
TOY SNOW TRAIN
Patrick E. E. Coderre, Port Chester, N. Y.
Application March 7, 1940, Serial No. 322,788
4 Claims. (Cl. 46—216)

1. In combination, a toy locomotive and tender and snow-plow car for positioning in front of the locomotive, a shaft longitudinally journaled through the locomotive and tender and projected at the front of the locomotive, said projected end carrying a squared, tubular coupling axially aligned with the main shaft, a shaft similarly journaled through the snow-plow car, in alignment with the shaft of the locomotive shaft, a rotary plow mounted on the forward extended end of the snow-plow car shaft, and a spear-head



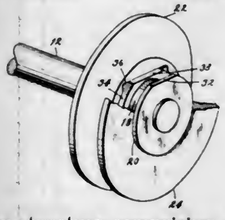
coupling, squared at its base, carried by the rear end of said shaft the same being dimensioned to slide nicely into the tubular coupling of the locomotive shaft, and means for rotating the said shafts.

2,253,611
APPARATUS FOR MOLDING OF PLASTIC ARTICLES
Walter T. Davis, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a corporation of West Virginia
Application May 12, 1937, Serial No. 142,126
4 Claims. (Cl. 18—42)



4. Apparatus for molding comprising a mold plate having a plurality of openings therethrough, the openings having a shouldered offset therein whereby the openings have a greater diameter at one face of the plate than the other, a double ended forcer in each hole having an intermediate flange portion to engage the shouldered offset, and a bushing projecting over the flange of the forcer removably secured to the walls of the portion of the hole of greater diameter to hold the forcer in place, the bushings being spaced from the forcer to provide a mold cavity, the hole in the mold plate providing a cavity about each end of the forcer.

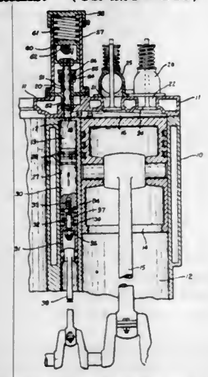
2,253,612
PULLEY
Harry E. Dow, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 31, 1940, Serial No. 316,460
2 Claims. (Cl. 74—230.3)



1. A pulley structure comprising a hub having an integral flange, a collar fitting over said hub and having a similar integral flange, interchange-

able sheave sections clamped between the flanges, and a driving ring between said sheave sections, said driving ring having one side slabbed off to fit into corresponding recesses on the inner faces of said sheave sections and said flanges each being slabbed off at one edge to fit into a corresponding recess on the outside of the adjacent sheave section thereby to form a driving connection between said hub and said sheave sections.

2,253,612
IGNITION ASSEMBLY
Nelson Elliott, New Westminster, British Columbia, Canada
Application July 13, 1939, Serial No. 284,370
8 Claims. (Cl. 123—143)

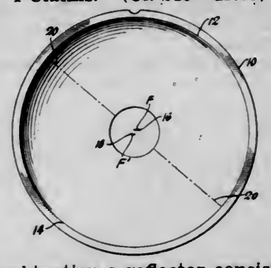


1. In combination with a power cylinder of an internal combustion engine having a power piston operating therein, an auxiliary cylinder situated adjacent the power cylinder and adapted to be brought into communication therewith, an auxiliary piston operating in the auxiliary cylinder, means for reciprocating the auxiliary piston, an inlet port formed in the auxiliary cylinder adjacent the lower end thereof, a valve adapted to control the inlet port, means for opening the port at predetermined intervals to admit vaporized fuel into the auxiliary cylinder when the auxiliary piston is at substantially its lower dead centre, said fuel being compressed by the auxiliary piston and ignited in its cylinder, valve means at the top of the auxiliary cylinder, and cam means for positively operating the valve means when the fuel in the power cylinder is under compression to permit burning gases to be injected into the power cylinder to ignite the compressed charge of fuel therein.

2,253,614
GELATIN MILK DESSERT COMPOSITION AND METHOD OF PREPARING THE SAME
Chester H. Epstein, Highland Park, and Nathan R. Gotthoffer, Grayslake, Ill., assignors to Grayslake Gelatin Co., Grayslake, Ill., a corporation
No Drawing. Application September 12, 1938, Serial No. 229,525
4 Claims. (Cl. 99—130)

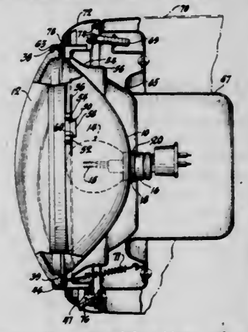
1. A milk-gelatin dessert preparing material in dry form comprising as the necessary ingredients sugar 25 to 75 parts, gelatin 6 to 10 parts, citric acid 0.1 to 0.8 part and salt 0.0 to 0.5 part with flavor and color, said material being capable of liquefaction with approximately ¼ pint of hot water to 55 grams of the dry material and dilution of the resultant liquid with approximately ¾ pint of cold whole milk and setting with a uniform consistency, free of curds or skin and being of good flavor.

2,253,615
HEAD LAMP
Robert N. Falge and George W. Onksen, Jr., Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 31, 1938, Serial No. 237,994
4 Claims. (Cl. 240—41.25)



1. In combination a reflector consisting of two substantially like paraboloidal segments, each segment consisting of slightly more than a semi-paraboloid and terminating in a parting line lying in a plane slightly inclined to the axis of the paraboloid and intersecting the axis forwardly of the focus, said segments being secured together with their parting lines in contact, whereby their axes intersect and their foci lie spaced from each other, said reflector being arranged with one of its axes substantially horizontal and with its parting line inclined with respect to the horizontal and with its foci spaced both vertically and laterally, a concentrated horizontally elongated source of light centered on each of said foci, and means for independently energizing said sources so that upon changing to the upper source the beam is shifted downwardly and to one side, the angle between said axes being sufficiently small so that with either source energized the beams from the two segments of the reflector overlap to produce a concentrated beam.

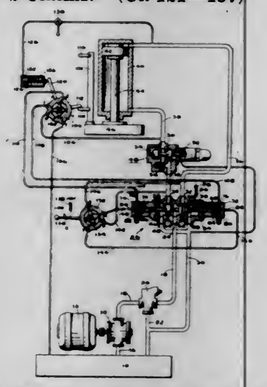
2,253,616
HEAD LAMP MOUNTING (BULB MOUNTING)
Robert N. Falge, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 27, 1939, Serial No. 286,819
7 Claims. (Cl. 176—34)



1. In a lamp, the combination of a metal re-

flector, a light source sealed in the reflector, a radial flange on the reflector, a lens seated against said flange, an axial flange connected to the radial flange and extending outwardly over the edge of the lens, an inwardly extending radial flange formed over the edge of the lens to hold the lens to the reflector, and a locating tongue pressed out from the first-named flange in the area overlying the lens.

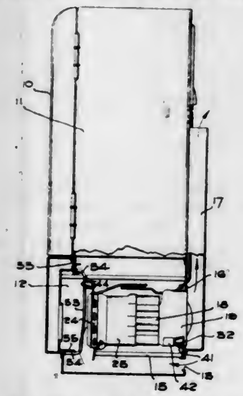
2,253,617
POWER TRANSMISSION
Raymond C. Griffith, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application November 18, 1938, Serial No. 241,121
2 Claims. (Cl. 121—157)



1. In a hydraulic power transmission system the combination with a source of pressure fluid and a double-acting reversible fluid motor of a directional control valve having forward, neutral and reverse positions for controlling the flow of fluid to the motor to respectively advance, stop and retract the motor, a pilot motor for shifting the control valve, pilot control means for causing the control valve to shift between the forward and reverse positions at the completion of each stroke, a detent arranged in the path of movement of the control valve from reverse to forward position to hold the valve in neutral position, means for retracting said detent to start operation of the motor through repeated cycles of advancing and retracting strokes while said detent is held retracted, and a second pilot control means connected with said pilot motor and shiftable in a single direction for causing shifting of said control valve in either direction depending on whether it lies in the forward or reverse position.

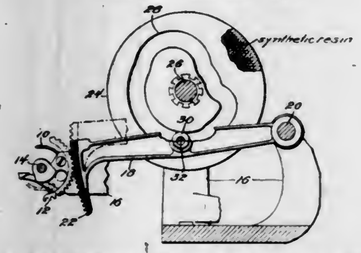
2,253,618
REFRIGERATION APPARATUS
Elliott E. Grover, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1939, Serial No. 250,192
8 Claims. (Cl. 62—1)

1. In a mechanical refrigerator, the combination of a cabinet, a unitary structure comprising a refrigerant pump at one end thereof, a motor adjacent said pump for driving the same, a condenser on the other side of said motor, and a casing for said pump and motor, said condenser being substantially at the same level with said casing, and means for mounting said unitary structure in said cabinet comprising a plurality of supports having resilient elements near the lower



portion of the pump end of said casing and a further resilient element near the upper portion of said condenser.

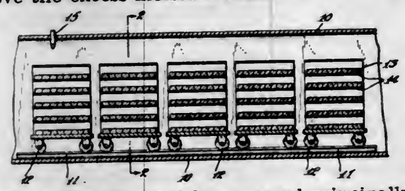
2,253,619
CAM ACTUATED MACHINE
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 10, 1939, Serial No. 272,776
9 Claims. (Cl. 112—220)



4. A shoe sewing machine having, in combination, stitch forming devices including a curved hook needle, a metallic gear toothed segment to which the needle is connected, a cam, a cam roll actuated by the cam, and an oscillating lever having an elongated main portion of aluminum alloy on which the cam roll is mounted and a curved gear toothed rack portion of synthetic resin material arranged to drive said needle segment.

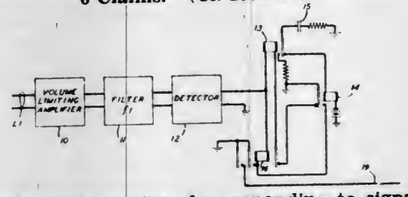
2,253,620
CHROME REFRACTORY BRICK AND THE METHOD OF MANUFACTURE THEREOF
Russell Pearce Heuer, Bryn Mawr, Pa., assignor to General Refractories Company, a corporation of Pennsylvania
Application November 5, 1938, Serial No. 239,039
In Great Britain April 25, 1938
10 Claims. (Cl. 25—156)

5. The method of manufacturing refractory brick composed principally of chrome ore and suitable for use in a furnace without kiln-firing, which comprises grinding the chrome ore to pass a screen having 5 mesh per linear inch, mixing it with water, sulphuric acid in amount between 0.5% and 2%, kaolin in amount between 1% and 5%, bentonite in amount between 0.1% and 3%, and more than 15% of magnesia, pressing the mixture into bricks under pressure exceeding 1000 pounds per square inch, heating the bricks for at least twelve hours at a temperature between 125° F. and the boiling point of water in an atmosphere substantially saturated with moisture before the excess content of moisture is removed and subsequently continuing the heating to remove the excess moisture content.



10. A refractory brick composed principally of chrome ore and suitable for use in a furnace without kiln-firing, comprising chrome ore of 5 mesh per linear inch, sulphuric acid in an amount between 0.5% and 2%, kaolin in amount between 1% and 5%, bentonite in amount between 0.1% and 3% and more than 15% of dead-burned magnesite, the brick having a crushing strength at room temperature in excess of 5000 pounds per square inch and an apparent specific gravity at room temperature in excess of 3.04.

2,253,621
SIGNALING SYSTEM
Arthur W. Horton, Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1940, Serial No. 327,963
6 Claims. (Cl. 179—16)



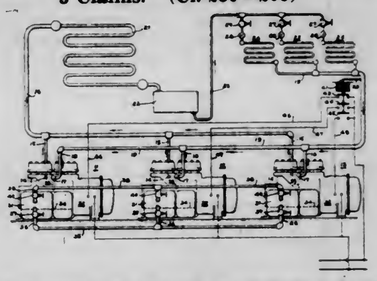
1. A signal receiver for responding to signals each comprising current of a particular frequency characteristic, followed by a like current within a predetermined interval of time after the termination of the first-mentioned current, said receiver comprising two relays, one relay for response to the current preceding said termination, and the other relay for response to the current succeeding said termination, a filter for passing from said line to said relays current of only said frequency characteristic, and means for limiting the input to said filter to a value which is sufficient for operating the one or the other of said relays only if substantially all of said input is of said frequency characteristic, thereby preventing false operation of either of said relays responsive to interfering currents having a component of said frequency characteristic.

2,253,622
SECONDARY RAY SCREEN
Johann Iten, Zurich, Switzerland
Application November 7, 1939, Serial No. 303,299
In Switzerland December 10, 1938
5 Claims. (Cl. 250—63)

1. In an X-ray apparatus, an X-ray tube, an endless continuously driven screen for suppressing the shadowing effect of secondary rays, said screen including a pair of driving chains therefor, a plurality of screen elements, each of which is pivotally attached with its ends to said chains, each screen element being composed of a number of alternate permeable and impermeable laminations united to form a single bar-like element, and means for guiding the screen elements during their travel so that the main extension of the section of their laminations are directed toward the focus of said X-ray tube, said means comprising a cam on one end of each said screen elements, stationary guide rails engaging said cams, and spring means associated with said cams for urging the latter in engagement with said guide rails.



2,253,623
REFRIGERATING APPARATUS
Frank W. Jordan, San Francisco, Calif., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 18, 1937, Serial No. 143,275
3 Claims. (Cl. 230—206)

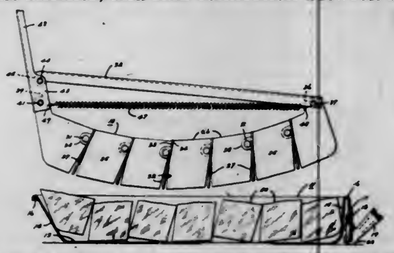


1. The combination with a plurality of refrigerant compressors connected to a common refrigerant-containing means and each having an oil sump, one of said compressors being adapted to be operated while another is idle, of conduit means providing a passage, open at all times that any compressor is in operation, for flow of oil from one sump to another, said conduit means being connected to each sump at a level such that sufficient oil remains in the sump below the connection for operation of the compressor.

2,253,624
REFRIGERATING APPARATUS
James W. Jacobs, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 12, 1939, Serial No. 250,583
10 Claims. (Cl. 62—108.5)

1. A grid structure for disposition in an ice tray and removable therefrom as a unit comprising, a plurality of substantially non-flexible walls movably connected together to form rows of ice block compartments, energy storage means independent of and in addition to said grid walls, said means being carried by said grid structure and adapted to apply force to said grid walls to move same relative to one another and mechanism normally preventing the force of said energy storage means from moving said grid walls, said

mechanism being movable to release said energy storage means and permit same to apply its force to said grid walls and move the walls relative to one another, and said connection between said

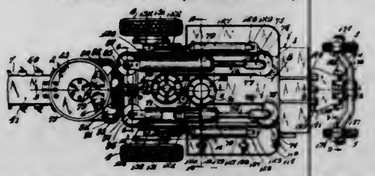


grid walls being so constructed and arranged that movement of the grid walls relative to one another by said means causes bowing of said grid structure.

2,253,625
EMBALMING FLUID
Hilton Ira Jones, Wilmette, Ill., assignor to National Selected Morticians, Chicago, Ill., a corporation of the District of Columbia
No Drawing. Application October 4, 1939, Serial No. 297,809
10 Claims. (Cl. 27—21)

1. An embalming fluid containing a small amount of an alkyl ester of a dibasic acid, said ester acting as a blood anticoagulant and facilitating the passage of said fluid through body capillaries and tissues during an embalming operation.

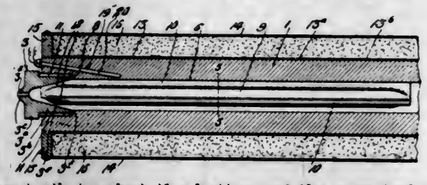
2,253,626
KERF-CUTTING MACHINE
Joseph F. Joy, Pittsburgh, Pa., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 12, 1938, Serial No. 234,522
18 Claims. (Cl. 262—28)



1. In a kerf-cutting machine, a machine frame, kerf-cutting mechanism carried thereby, and means for supporting and propelling the machine comprising a pair of front traction wheels at the front end of said machine frame, a pair of rear guiding wheels at the rear end of said frame, all of said wheels directly engaging the mine floor, adjustable mountings for said wheels, and mechanism connected between said wheel mountings and said frame for adjusting said frame to vary the elevation thereof, said adjustable mounting for said rear guiding wheels including parallel arms and means for swinging said arms.

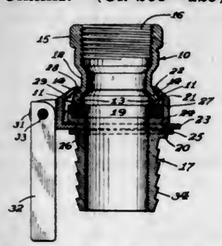
2,253,627
INJECTION MOLDING DEVICE
Edward R. Knowles, Bridgeport, Conn., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application April 2, 1938, Serial No. 199,569
3 Claims. (Cl. 18—30)

1. An injection device for charging a mold, comprising a body with an injection bore and an internally screw-threaded counterbore at the forward end thereof, and an injection nozzle having a shank externally screw-threaded and screw-engaged in said counterbore, characterized in that the nozzle shank has an annular end abut-



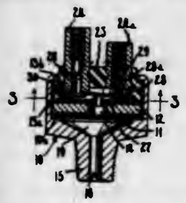
ment rib to abut the bottom of the counterbore and of an external diameter to afford an annular space therearound in the counterbore, and the threaded shank of the nozzle has a plurality of longitudinal grooves therealong opening into said annular space, for the purpose set forth.

2,253,628
COUPLING DEVICE
John T. Krapp, Port Jefferson, N. Y.
Application October 21, 1939, Serial No. 300,509
6 Claims. (Cl. 285—129)



1. In a coupling device in combination, a coupling member having an end sealing surface and an engageable surface spaced apart from said sealing surface, and a second coupling member having an end sealing surface adapted to be co-related with said first sealing surface and having a pair of engaging members, one of which is movable circumferentially relative to the other toward a position diametrically opposite the latter for engaging said engageable surface to force and maintain said sealing surfaces in sealed relation.

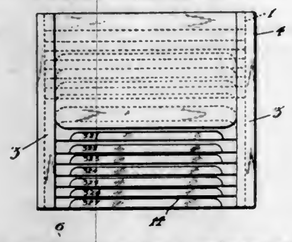
2,253,629
HYDRAULIC SWITCH
Frohman Kupferschmid, Toledo, Ohio, assignor to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio
Application May 15, 1936, Serial No. 79,845
4 Claims. (Cl. 200—83)



1. In a device of the class described, a cup-shaped container, a diaphragm in the container, a pressure chamber formed between the container and the diaphragm having an inlet for communication with a source of pressure, a support-

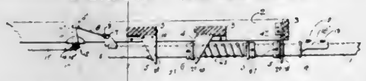
ing plate adjacent the diaphragm to bear the stresses during periods of high pressure resulting in maximum flexure of the diaphragm, a unitary switch assembly positioned in the container, including a non-frangible supporting means, an inturned flange on the cup-shaped container cooperating with the supporting means, whereby non-frangible substances transmit stresses to the container, and an actuating means cooperating with the diaphragm to actuate the switch to control an electric circuit.

2,253,630
VISIBLE CARD REFERENCE SYSTEM AND MEANS FOR MOUNTING SAME
Benjamin Lapper, Bronx, N. Y., assignor to National Pad & Tablet Corp., New York, N. Y.
Application March 20, 1940, Serial No. 324,992
1 Claim. (Cl. 129—16.7)



In a card container for a reference system, a body portion and an integrally formed forward and upwardly turned flap adapted to receive a card there-between, a longitudinal slit in the said flap adapted to receive the lower portion of the said card, a plurality of diagonal parallel slits in the upper corners of the said body portion, adapted to receive the corners of a card mounted on the front of the said body portion, a similar longitudinal slit in the lower portion of the said body portion adapted to receive a card on the back of the said container, and at least one of the said diagonal slits in the body portion accessible for the upper extremities of the card to be mounted on the back of the body portion.

2,253,631
AUTOMATIC TRAILER BRAKE
Lloyd E. Latta, Jackson, Mich.
Application March 3, 1941, Serial No. 381,526
9 Claims. (Cl. 188—142)

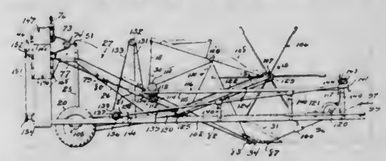


1. Draft and brake mechanism for a towed vehicle comprising a brake mechanism thereupon, a tongue member having the movement to and fro of the tractor vehicle, a spur member fixedly attached to the rearward end of said tongue member, a shaft member revolvably mounted transversely on the towed vehicle frame, an actuating arm fixedly mounted midwise upon said shaft member, a longitudinally adjustable, rigid link member, oscillatingly connecting said spur member to said shaft actuating arm, bell-crank arms fixedly mounted upon either end of said shaft member, longitudinally adjustable link members, oscillatingly connecting the said bell-crank arms to the respective brake operating levers of the braking mechanism; pendently mounted upon the towed vehicle frame a plurality of hanger brackets having perforations therein adapted for the insertion therethrough and the suspension therein of the said tongue member, fixedly and adjustably mounted on said tongue member a plurality of stop members adapted to limit the relative movement to and fro of the tongue member and tractor vehicle with reference to the towed vehicle.

2,253,632
PRODUCTION OF FINELY DIVIDED LEAD
Yurii E. Lebedeff, Metuchen, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 15, 1940, Serial No. 335,321
6 Claims. (Cl. 75—0.5)

6. The process of producing finely divided lead which comprises producing a bath of molten lead, adding calcium and magnesium to the molten bath to produce a content of calcium and magnesium in the bath ranging from approximately 0.01% to approximately 0.1% of each, dispersing substantial amounts of stearic acid in the molten bath at temperatures not exceeding approximately 700° F., and separating the resulting finely divided lead dross.

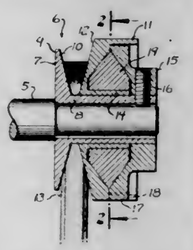
2,253,633
ENSILAGE HARVESTER
James W. Lindly, Welch, Tex.
Application June 17, 1940, Serial No. 341,043
3 Claims. (Cl. 56—16)



1. In combination with a tractor having a power take-off shaft, an ensilage harvester comprising a wheeled support having a draw means pivotally connected with the tractor, a cutting mechanism for standing growths, including a cutting knife, an ensilage cutting mechanism mounted on said wheeled support, a conveyor unit mounted on said wheeled support for moving the cut growths to the ensilage cutting mechanism, a shaft means operatively connecting said power take-off shaft with said ensilage cutting mechanism, a drive connection between said shaft means and said cutting knife, universal joint means interposed in said shaft means, splined joint means interposed in said shaft means, said universal joint means and said splined joint means causing said shaft means to lengthen or shorten and bend when said tractor is turned relatively to the harvester, said conveyor unit being pivotally mounted on said wheeled support and said cutting mechanism being carried by the conveyor unit, a reel pivotally mounted on said conveyor unit, drum means mounted on said conveyor unit, cable means wound on said drum means and connected with said reel, a lever actuated rack means operatively connected with said drum means for actuating the latter, with said lever located to be manually accessible by the operator on the tractor, drum means mounted on said wheeled support, cable means connected with said conveyor unit and said last-mentioned drum means, a rotative shaft having geared connection with said last-mentioned drum means to actuate the latter for raising and lowering said conveyor unit, a hand-

wheel keyed to said rotative shaft and located to be manually accessible by the operator of the tractor, and means coacting with said handwheel to latch the latter against rotation for supporting the conveyor unit in elevated positions.

2,253,634
PULLEY
Perry E. Mack, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application March 31, 1939, Serial No. 265,245
9 Claims. (Cl. 74—230.17)



1. A pulley of the V-groove type having an adjustable effective diameter comprising: a hub having an annular flange, the inner face of which is conical; a cone slidable on the hub and having a conical surface opposed to the conical face of the flange to coact therewith in the formation of a substantially V-shaped groove; means on the hub engaged with the cone at a point substantially no less distant from the center of rotation of the pulley than the widest portion of the V-shaped groove for establishing a non-rotatable driving connection between the cone and hub while permitting axial sliding motion of the cone on said hub; and centrifugally responsive means for sliding the cone axially toward the flange.

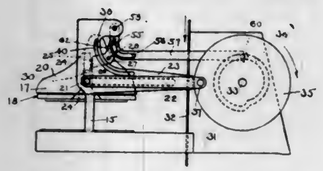
2,253,635
WIG AND METHOD OF MAKING THE SAME
John J. Mann, Milwaukee, Wis.
Application January 12, 1940, Serial No. 313,510
5 Claims. (Cl. 46—172)



1. As an article in the manufacture of wigs: a substantially elastic rubber skull piece having hair embedded therein and tightly gripped by the resiliency of the rubber.

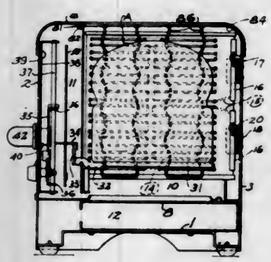
2,253,636
APPARATUS AND METHOD OF CUTTING ARTICLES FROM SHEETS AND THE LIKE
Emil Matha, Chicago, Ill.
Substituted for abandoned application Serial No. 247,173, January 6, 1939. This application February 12, 1940, Serial No. 318,639
19 Claims. (Cl. 164—19)

2. In a machine for cutting articles from sheet material; a frame, a platen for backing the sheet to be cut fixed to the frame; a die bed movably mounted in the frame; a cutting die movably mounted in the frame between the bed and the platen; the said die comprising a body plate and cutters fixed to the plate and projecting therefrom and ejectors of various lengths slidably mounted transversely through the plate and adapted to project beyond either edge of the cut-



ting rules; means for moving the bed and die relatively to each other, and means for moving the bed and die relatively to the platen.

2,253,637
TOASTING MACHINE
Paul J. McCullough, St. Louis, Mo., assignor to Joseph Pavelka, St. Louis, Mo.
Application January 27, 1939, Serial No. 253,043
12 Claims. (Cl. 219—19)



11. In a bread toaster, a housing, a slice carrier therein, a clockwork timing mechanism, a releasable connection between said carrier and mechanism, said carrier being movable manually from a projected position, in which a bread slice on said carrier would protrude from said housing to a retracted toasting position in which the bread slice would be enclosed in said housing, a spring secured to said carrier independently of said mechanism, a spring secured to said connection, both of said springs being distorted by manual movement of said carrier to retracted position and thereupon cooperating to actuate said clock mechanism and to return said carrier slowly towards its projected position, and means for releasing said connection after a predetermined period and permitting said first mentioned spring only to move said carrier quickly to its projected position.

2,253,638
TREATING MOTOR FUELS
Forrest L. McKennon, Galveston, Tex., assignor to Pan American Refining Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 15, 1939, Serial No. 309,347
5 Claims. (Cl. 196—32)

1. The method of removing acid reacting materials from a hydrocarbon liquid containing the same, comprising treating the liquid with an aqueous solution of a strong base containing a substantial amount of an urea dissolved therein under conditions conducive to the extraction of

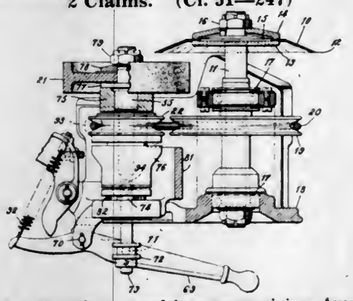
the acid reacting materials from the hydrocarbon liquid, and separating the aqueous solution containing the extracted acid reacting materials from the hydrocarbon liquid substantially free of the undesired acid reacting materials.

2,253,639
BENDING DIE
Roy F. McMahan, Louisville, Ky.
Original application March 26, 1936, Serial No. 70,933, now Patent No. 2,201,193, dated May 21, 1940. Divided and this application May 3, 1940, Serial No. 333,073
2 Claims. (Cl. 153—1)



2. In apparatus for retaining the legs of a sheet-metal channel in abutting relationship with a wooden member while bending the extremities into approximately arch shape and continuing said bending until the free end-edges of legs contact with and are forced into a surface of the bar, the combination of upper and lower relatively movable pressure applying members; opposed longitudinal dies on the said pressure applying members; one of said dies having a longitudinal opening of substantially the same width as that of the sheet-metal channel, and having substantially vertical side walls for slidably engaging the outer faces of the legs of the channel, the said one die also having two semi-circular concave-surfaces formed therein at the base of the said opening, the outer edge of each semi-circular surface each respectively being tangent with a vertical wall of the opening and extending longitudinally therealong, the said one die also having its medial portion between the concave surfaces cut below the inner edges of each respective concave surface; and the other of said die members having a longitudinal portion substantially equal in width to that of the opening, and also having a face for engaging the base of the channel, and likewise vertical sidewalls for slidably engaging the vertical walls of the opening.

2,253,640
TRIMMING MACHINE
Vernon H. Meyer, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Original application November 1, 1937, Serial No. 172,115. Divided and this application July 26, 1939, Serial No. 286,591
2 Claims. (Cl. 51—247)

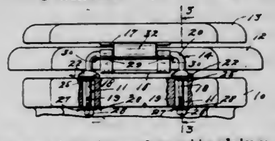


1. A trimming machine comprising two spindles each provided with a pulley, a transmission belt arranged to run on both of said pulleys to drive them, a cutting disk and an abrading member carried by said spindles respectively, said abrading member being arranged to generate an annular cutting edge on the rim of said disk, a pivot the axis of which intersects a portion of said belt wrapped around a segment of one of said pulleys, and relatively adjustable bearing members in which said spindles are journaled, one of said bearing members being mounted on said pivot and adjustable about its axis to regulate the character of the surface generated on said rim by said abrading member.

2,253,641
TREATMENT OF TEXTILE AND OTHER MATERIALS
Robert Wighton Moncrieff and Albert William Mortimer Cooke, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 30, 1938, Serial No. 216,750. In Great Britain August 13, 1937
2 Claims. (Cl. 8—35)

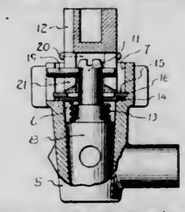
1. Process for the coloration of textile materials having a basis of organic esters of cellulose, which comprises subjecting the materials to the action of an aqueous bath containing sodium chloride, 10% of methylamine and a salt of a sulphuric acid ester of a leuco vat dyestuff, and thereafter converting said salt to the parent vat dyestuff on the materials.

2,253,642
HINGE STRUCTURE FOR TOILET SEATS AND COVERS
Francis J. Moore, Minneapolis, Minn.
Application July 17, 1940, Serial No. 346,017
8 Claims. (Cl. 4—236)



1. A hinge structure for attaching a seat to a closet bowl comprising a single hinge rod bent into the form of a yoke and having means for anchoring its legs to a closet bowl, and a seat hinge member pivoted to the transverse section of said rod.

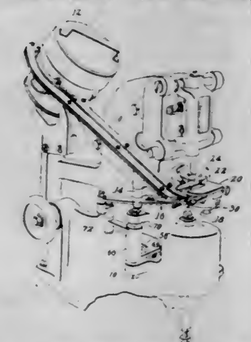
2,253,643
VALVE
Robert W. Mueller, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 9, 1940, Serial No. 365,046
11 Claims. (Cl. 251—112)



1. In a valve: a barrel having a tapered bore and a counterbore at one end thereof; a tapered plug rotatable in the bore; a stem on the plug projecting into the counterbore; a coupling for

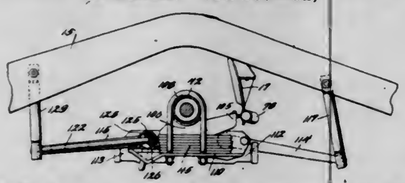
drivingly connecting an actuator to the plug, said coupling being received in the counterbore and having a socket loosely receiving the stem; means for nonrotatably connecting the coupling with the stem so that rotation may be transmitted to the plug from the coupling; arcuately spaced stops on the side wall of the counterbore; and a radial extension rotatable with the coupling and stem and engageable with said stops to define the limits of rotation of the plug.

2,253,644
EYELETING MACHINE
Walter E. Naugler, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application August 9, 1939, Serial No. 289,259
13 Claims. (Cl. 218—15)



1. In an eyelet inserting machine, an eyelet inserting tool, a stationary inclined raceway for supporting a plurality of eyelets, mechanism for transferring the eyelets one at a time from said raceway to said tool, said transferring mechanism comprising three jaws between which an eyelet may be held, two of said jaws being yieldingly mounted with respect to the third jaw and biased toward each other and toward the third jaw, means for moving said tool into an eyelet held by said transferring mechanism, and means for then moving the transferring mechanism back to said raceway, removal of the eyelet from the transferring mechanism being permitted by reason of the yielding mounting of said two of said jaws.

2,253,645
MOTOR VEHICLE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application May 7, 1938, Serial No. 206,646
13 Claims. (Cl. 267—11)



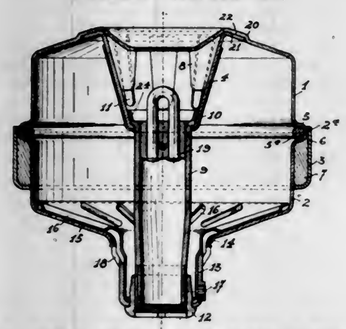
1. In a motor vehicle, the combination with a vehicle frame, of road wheels disposed at opposite sides of said frame, axle means carrying said wheels, spring means of low damping supporting said axle means and road wheels on said frame, means acting between the axle means and frame for opposing relative lateral movement thereof, and shock absorbing means acting between said frame and said axle means to yieldably resist relative vertical movement thereof and for yieldably opposing rotation of said axle means in either direction about a transverse axis.

2,253,646
MOTOR VEHICLE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application May 7, 1938, Serial No. 206,647
5 Claims. (Cl. 267—11)



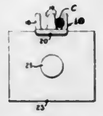
1. In a motor vehicle, the combination with a vehicle frame, of road wheels disposed at opposite sides of said frame, axle means carrying said wheels, resilient means supporting said axle means and wheels on said frame for vertical movement and for limited lateral movement with respect thereto, and means acting between said frame and axle means to oppose relative lateral and vertical movements thereof and to oppose rotation of said axle means about a transverse axis, said last named means including longitudinally extensible shock absorbing devices connected to said axle means and said frame and disposed in acutely angled relation to a horizontal plane and to a vertical plane containing the longitudinal axis of the vehicle.

2,253,647
CREAM SEPARATOR
Jules Persoons and Alphonse Persoons, Thildonck, Belgium
Application April 12, 1938, Serial No. 201,484
In Belgium April 17, 1937
1 Claim. (Cl. 233—27)



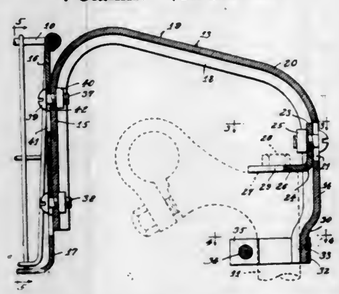
In a cream separator, a sheet metal drum, comprising a body part having an outwardly flared upper rim and a cover part resting on and being secured to said bottom part, said cover part having an outwardly flared lower rim fitting against said outwardly flared upper rim of the bottom part to form therewith an inwardly open annular groove of substantially trough-shaped cross-section and being provided with a split along its circumference, a sheet metal ring surrounding the upper portion of said body part at a uniform distance therefrom, the upper edge of said ring being in contact with and projecting above the upper outwardly flared rim of said body part to form a guide for the outwardly flared lower rim of the cover part when the latter is placed on the body part, a mass of material which can be easily worked, said mass filling the space between said ring and upper portion of the body part of the drum, and an annular gasket of elastic material provided in said drum to be pressed into said groove and against said split by the centrifugal force when the separator is running.

2,253,648
CIGARETTE HOLDER
Homer C. Prentice, San Bernardino, Calif.
Application January 8, 1940, Serial No. 312,930
7 Claims. (Cl. 131—240)



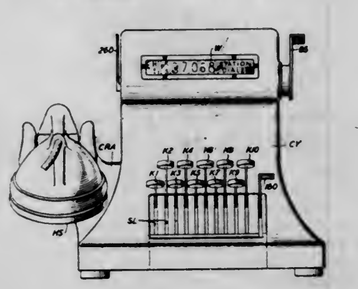
1. In a cigarette holder, a body portion, an inverted U-shaped portion secured upon said body portion, said U-shaped portion including spaced cigarette receiving notches, and a flange on said U-shaped portion, said flange being bent back on itself and having an extension engaging said body portion.

2,253,649
BICYCLE BASKET
Hubert P. Price, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass., a corporation of Massachusetts
Application September 9, 1938, Serial No. 229,153
7 Claims. (Cl. 224—36)



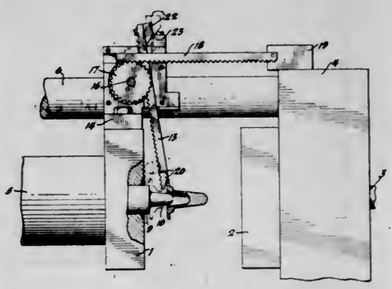
1. Means for supporting a bicycle basket and fastening the same detachably to the upright supporting stem of a bicycle handlebar of the type having an anchor bolt, the head of which projects from the upper end of the stem for application of a wrench, said means comprising a bracket of inverted substantially U-shape providing a front basket supporting portion, a rearwardly extending spacer and handlebar bridging portion and a rear downwardly extending bicycle attaching portion, clamp means on the lower end of said attaching portion to surround and clamp the handlebar stem, and a support projecting from said attaching portion in upwardly spaced relation to the clamp means for engaging the upper end of the handlebar stem so as to be detachably secured in place thereon under the head of the anchor bolt.

2,253,650
TELEPHONE CALL TRANSMITTER
Charles D. Richard, West New Brighton, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 24, 1938, Serial No. 197,762
28 Claims. (Cl. 179—90)



24. In a call transmitter, a pair of contacts, groups of individually longitudinally operable pins for actuating said contacts normally positioned ineffective relative thereto, a set of indices bearing manually operable members, a plurality of levers actuated in different numbers by the operation of each of said operable members for positioning said pins effective relative to said contacts for setting a call, register wheels moved from normal unoperated position by the movement of said manually operable members to position for indicating said call, and a handle operable for collectively returning said wheels to normal and collectively resetting said pins in position ineffective relative to said contacts for canceling said call.

2,253,651
KNOCKOUT FOR DIE CASTING MACHINES
Lucian Ring, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 17, 1940, Serial No. 335,827
6 Claims. (Cl. 22—94)



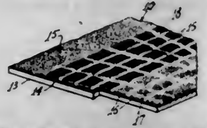
6. In a die casting machine having relatively movable dies and an ejector for pushing a completed casting out of the die cavity, a knock-out device movably mounted on one of the dies for freeing the casting from the ejector, motion transmitting mechanism operatively connected to the other die and arranged to impart relative die movement to the knock-out device for the actuation thereof.

2,253,652

SHINGLE

George Ritter, Millington, N. J., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey

Application October 24, 1940, Serial No. 362,533
7 Claims. (Cl. 108—7)



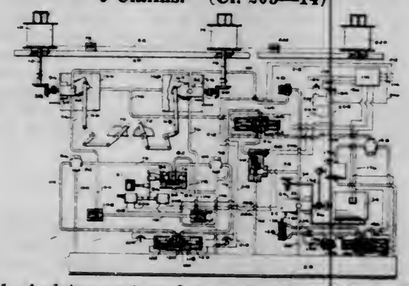
1. A shingle adapted to be laid in overlapping courses comprising a felt base coated on its upper surface with bituminous coating composition faced with mineral granules, the lower portion of the shingle that is exposed when laid having superimposed on and adhering to its granule faced surface discrete units of granule faced coating disposed in spaced longitudinal lines and arranged according to a predetermined pattern.

2,253,653

POWER TRANSMISSION

James Robinson and Rudolf E. Esch, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application March 10, 1938, Serial No. 195,189
9 Claims. (Cl. 205—14)



1. A drive system for a wire drawing machine of the type having a drawing reel and a hold-back reel and a drawing die intermediate the reels comprising in combination with a source of power, fluid pressure energy translating devices connected to operate each reel, and a circuit connecting said translating devices in parallel with the source of power, whereby the drawing reel will be driven by its translating device and the hold-back reel will be driven from the drawing reel through the medium of the wire being drawn, the translating device at the hold-back reel serving to cause a predetermined back-pull on the wire entering the die.

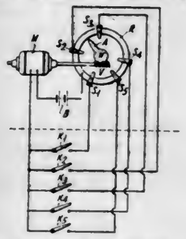
2,253,654

SYSTEM FOR REMOTELY CONTROLLING REGULATORS

Heinrich Schröder, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 19, 1937, Serial No. 169,794
In Germany September 23, 1936
1 Claim. (Cl. 200—6)

In a remote control system for radio receiving apparatus and the like, including a control shaft, a selector control mechanism comprising a curved member concentrically mounted with respect to the shaft, a plurality of operable switches positioned on said member according to predetermined settings, a radial arm device connected to said shaft and rotatable therewith, said arm including a pivoted member mounted near the end thereof away from the shaft, said pivoted member having a predetermined limited movement about its pivot point, said switches being arranged so as to be in the path of said pivoted member and so that any one of said



switches is contacted and opened by said pivoted member when the shaft is rotated to a position which brings the pivoted member into contact with that particular switch, the amount of movement of said pivoted member being adjusted so that the connection between any particular switch and the pivoted member is made and the switch opened at substantially the same position of said shaft whether the arm approaches the contact from one side thereof or the other.

2,253,655

COATED OR IMPREGNATED PAPER PRODUCT AND METHOD OF MAKING SAME

Frederick Shurley, Salt Lake City, Utah, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

No Drawing. Application April 1, 1936, Serial No. 72,207
6 Claims. (Cl. 91—68)

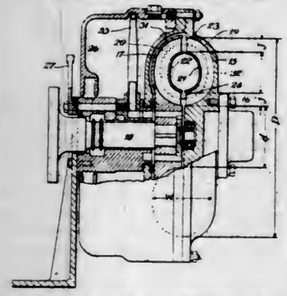
1. Paper treated with a composition comprising glycerol and a substance selected from the group consisting of the glyceryl stearates, glycol stearates, triethanolamine stearate and trihydroxyethylamine stearate.

2,253,656

HYDRAULIC POWER-TRANSMISSION SYSTEM

Harold Sinclair, Kensington, London, and Robert Grimsey Cooper, Isleworth, England, assignors to Hydraulic Coupling Patents Limited, London, England, a company of Great Britain

Application December 23, 1938, Serial No. 247,414
In Great Britain December 24, 1937
1 Claim. (Cl. 60—54)



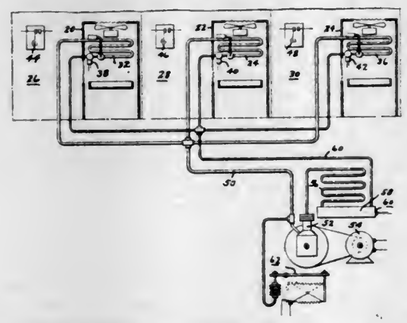
A power transmission system of the kind in which a driving machine is coupled to a driven machine, which is required to run at various speeds relative to that of the driving machine and which imposes a load fluctuating independently of the speed, by a hydraulic coupling of the kinetic type which is provided with impeller and runner elements having substantially radial vanes and together forming a working circuit which has substantially the section of an oval disposed with its major axis radial and of which the inner profile diameter is between 30 and 40 per cent. of the outer profile diameter, said circuit containing annular core guide means around which the vortex circulation is adapted to take place, and the flow and return junctions of said circuit being disposed substantially in a common plane and having each a radial width of between 6 and 7.5 per cent. of said outer profile diameter, and means whereby, when the system is operating, the liquid content of said working circuit can be varied so as to alter the slip in the coupling and consequently the speed ratio of the two machines.

2,253,657

REFRIGERATING APPARATUS

Emil Frank Smith, Chicago, Ill., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application March 9, 1939, Serial No. 260,786
4 Claims. (Cl. 62—1)



1. Refrigerating apparatus including a cooling unit, circulating means for circulating a refrigerant medium through the cooling unit, means for controlling the circulation of refrigerant medium through the cooling unit, means for indicating a change in the quantity of the refrigerant medium in a portion of the apparatus, means for preventing the effective operation of the indicating means when refrigerant medium circulates through the cooling unit, and means for delaying the effective operation of the indicating means for a period of time following the stopping of the circulation through the cooling unit.

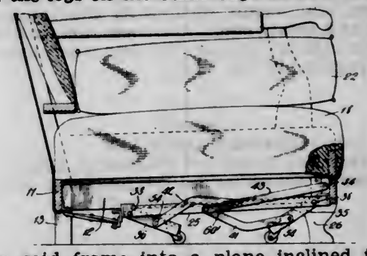
2,253,658

SOFA BED

Rudolph O. Smith, Milford, Conn., assignor to The Owen Silent Spring Company, Inc., Bridgeport, Conn., a corporation of Connecticut

Application June 17, 1938, Serial No. 214,203
4 Claims. (Cl. 5—21)

4. In combination with a bed frame, of legs pivoted on said frame adjacent its side edges and in one position supporting said frame in a horizontal plane, and means for swinging all of said legs toward said frame operating to swing the legs on one edge of said frame closer to said frame than the legs on the other edge of said frame to



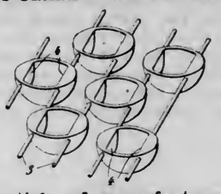
lower said frame into a plane inclined to the horizontal.

2,253,659

ORNAMENTAL ARTICLE

Daniel Swarovski, Wattens, Tyrol, Germany, assignor to the firm D. Swarovski Glasfabrik und Tyrolit-Schleifmittel-Werke, Wattens, Tyrol, Germany

Application July 22, 1939, Serial No. 285,946
In Austria May 9, 1938
4 Claims. (Cl. 41—10)



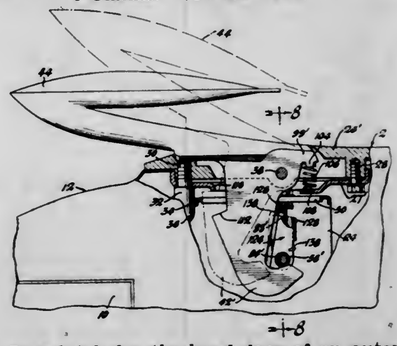
1. As an article of manufacture a one-piece ornamental element made of mouldable material adapted to be strung on thread or wire like support means, said element having an ornamental front portion and a permanently open cavity at its rear reducing the weight and the time for cooling and hardening of said element.

2,253,660

HOOD LATCH

William J. Tell, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

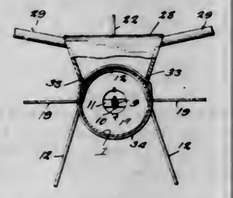
Application March 25, 1938, Serial No. 197,998
9 Claims. (Cl. 292—128)



1. In a latch for the hood door of an automotive vehicle, a reinforcing member secured to the door, a handle pivoted to the member and movable to operate the latch, a hook projecting through the hood door, said hook secured to said handle and operable therewith, a catch secured

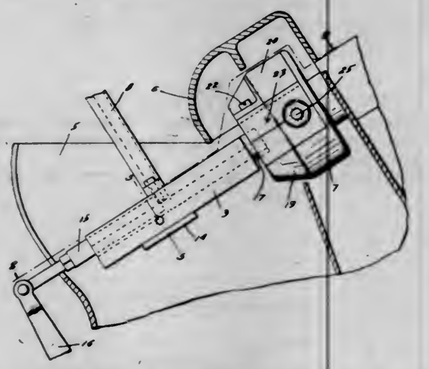
to the vehicle under the hook and adapted to be engaged by the hook when the door is in lowered position, and means secured to the catch and acting as a safety catch to engage the hook when the door is in lowered position and when the hook is not engaged by the latch.

2,253,661
MODEL AIRPLANE
Clarence Teuschler, Cincinnati, Ohio
Application November 6, 1940, Serial No. 364,602
7 Claims. (Cl. 46—76)



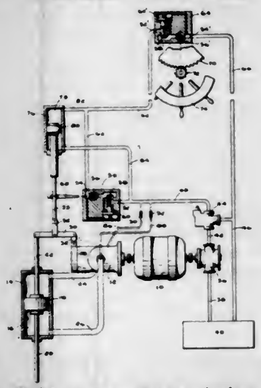
1. A model airplane including a hollow body having side holes, landing gear comprising an inverted U-shaped bracket embodying a crown and side arms, the crown being located within the upper portion of the body, the crown conforming in shape to the inner surface of the upper portion of the body and being secured thereto, the arms extending outwardly through the holes, and ground-engaging means carried by the arms.

2,253,662
NUT TAPPING MACHINE
William Topolewski, Detroit, Mich.
Application January 28, 1941, Serial No. 376,395
5 Claims. (Cl. 10—139)



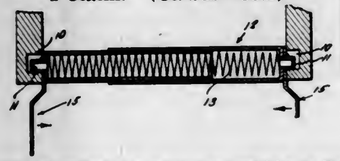
1. A nut tapping machine embodying a driving head having a front opening and a tap arranged therein with its front end projecting forwardly of the opening and a guide for the nuts in advance of the head, said guide comprising a pair of spaced parallel members between which the tap is positioned, said members having a longitudinally extending channel in the opposed edges thereof for conformably receiving the sides of the nuts, a circular extension on the rear ends of the members freely positioned in the front opening of the head and projecting into said head, and spaced supports for the guide members carried by the machine and underlying the members and on which the members are secured.

2,253,663
POWER TRANSMISSION
Ralph L. Tweedale, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application October 15, 1938, Serial No. 235,116
3 Claims. (Cl. 60—52)



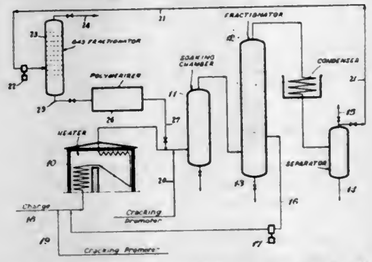
1. In a fluid power transmission system the combination of a fluid motor connected to operate a load device, a pump for supplying fluid, a control element movable in accordance with the desired movements of said load device, a conduit leading from the pump to one side of the fluid motor, means biasing the motor in opposition to the pressure applied at said one side, a first adjustable fluid flow rate controller for regulating the rate of flow from the pump into said conduit, a second adjustable fluid flow rate controller for regulating the rate of flow out of said conduit, each of said controllers comprising an adjustable throttle and a pressure compensating valve for automatically maintaining the flow through the throttle constant irrespective of the pressure differential applied to the controller, and means connecting one of said throttles for adjustment in accordance with the position of the control element and connecting the other of said throttles for adjustment in accordance with the position of the fluid motor whereby the load device will be driven to a position corresponding to any position to which the control element may be moved.

2,253,664
ROLL PAPER HOLDER
David Vigo, Ann Arbor, Mich.
Application May 18, 1940, Serial No. 336,026
1 Claim. (Cl. 242—55.2)



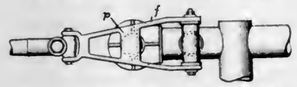
A quick applicable and removable cylindrical paper roll accommodation mandrel for use in a holder of the class described comprising telescopically connected companion sections, and actuating devices for the opposite outer ends of said sections, each device having means at one end secured to an outer end of a complemental section, a conveniently accessible operating fingergrip, and an intervening assembling and connecting shank secured to said means and the finger grip, said shank being laterally bent to outwardly offset the finger-grip and to dispose it in a plane outwardly of the adjacent end of the mandrel, whereby to provide desired clearance for the finger-grip in relation to the cooperable roll of toilet paper.

2,253,665
HYDROCARBON CONVERSION PROCESSING
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 20, 1938, Serial No. 214,681
12 Claims. (Cl. 196—50)



1. The process of increasing the rate of conversion of a heavy oil into gasoline when subjected to a suitable conversion temperature, comprising heating said heavy oil to said conversion temperature, then, before any separation takes place, introducing a small amount of a polymer of isobutylene prepared by the treatment of liquid isobutylene with a catalyst of the Friedel-Crafts type, thereafter further subjecting said heavy oil and said isobutylene polymer to conversion temperatures, separating gasoline from the products of conversion and recycling products heavier than gasoline to said conversion process.

2,253,666
SUSPENSION FOR INDEPENDENTLY GUIDED WHEELS ON THE CHASSIS ESPECIALLY OF MOTOR VEHICLES
Max Wagner, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application May 10, 1938, Serial No. 206,968
In Germany May 10, 1937
18 Claims. (Cl. 280—106.5)



1. In a wheeled vehicle, a chassis comprising a longitudinal member, a transverse member intersecting said longitudinal member in substantially the same plane and projecting outwardly beyond the latter, a wheel carrier, an upper horizontal bearing mounted on the upper side of said transverse member between said intersection and the outer end of said transverse member, an upper guide link pivoted in said upper bearing and connecting the same with said wheel carrier, a lower horizontal bearing mounted on the lower side of said transverse member between said intersection and the outer end of said transverse member, a lower guide link pivoted in said lower bearing and connecting the same with said wheel carrier, said wheel carrier forming with said upper and lower guide links a guide link parallelogram permitting up and down movements of the wheel carrier relative to the chassis, an upper spring block rigidly secured to the outer end of said transverse member, a lower spring block carried by the lower guide link, and a substantially vertical spring disposed between and supported against said two spring blocks.

2,253,667
PLYWOOD WALLBOARD
Warren A. Warner, Portland, Oreg.
Application September 20, 1937, Serial No. 164,771
6 Claims. (Cl. 20—15)



1. A wall or ceiling comprising all-wood laminated veneer wallboard sheets having abutting edges, the anterior lamina of each sheet having plank or panel areas and molding areas between said plank or panel areas, said abutting edges being rabbeted at their anterior sides, and joint-covering molding strips secured in the rabbets of said abutting edges, the faces of said joint-covering molding strips and said molding areas being substantially identical with each other, whereby the visible relation of said faces of said joint-covering molding strips with said plank or panel areas and the visible relation of said molding areas with said plank or panel areas being substantially identical, and an apparently seamless paneled wall is produced.

2,253,668
STIFFENING ATTACHMENT FOR APPLIANCE CORDS
Walter A. Weddle, Roanoke, Va.
Application October 30, 1939, Serial No. 302,060
7 Claims. (Cl. 174—69)



3. An attachment comprising relatively slidable telescoping tubular sections, one of which sections terminates at its free end in an enlarged cupular socket portion, an appliance cord extending through said sections, a male plug carried by the appliance cord adapted to seat within the socket portion upon extension of the tubular sections, the said plug being normally dissociated from the socket portion but being securely held against independent movement when seated therein.

2,253,669

ESTRADIOL HIGHER FATTY ACID ESTER

Rezsö Weiss, Budapest, Hungary, assignor to Chinoin Gyogyszer És Vegyészeti Termékek Gyára R. T. (Dr. Keressty & Dr. Wolf), Ujpest, Hungary, a corporation of Hungary

No Drawing. Application February 17, 1939, Serial No. 256,856. In Hungary January 28, 1939
4 Claims. (Cl. 260—397.5)

1. As a new product of manufacture, an estradiol derivative of the following general formula:

$$C_{18}H_{22}\begin{cases}-O.X\\-O.CO.R\end{cases}$$

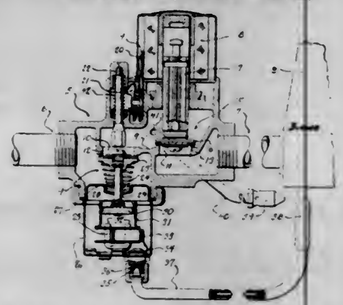
in which X is a member of the group consisting of H and benzyl, and is bound to the oxygen atom in position 3; and R is an alkyl radical containing 14 to 17 carbon atoms, the group —CO.R being bound to the oxygen atom in position 17.

2,253,670

VALVE

Theodore A. Wetzel, Milwaukee, and John S. Furumo, West Allis, Wis., assignors to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application October 10, 1938, Serial No. 234,138
5 Claims. (Cl. 158—117.1)



1. A fluid flow controlling valve device comprising: a main valve; an electromagnet for opening the main valve; an automatic shut-off valve in series with the main valve and biased to a closed position; an electromagnet for holding said automatic shut-off valve open; temperature responsive means for controlling energization of said last named electromagnet so that the position of the automatic shut-off valve is dependent upon the temperature at said temperature responsive means; manually operable means for setting the automatic shut-off valve to its open position; and an electric switch adapted to be opened by the manual actuation of said setting means and controlling the supply of electrical energy to the first named electromagnet so that the main valve is closed during the setting of the shut-off valve.

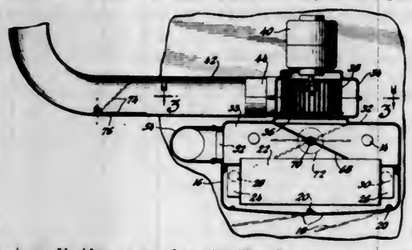
2,253,671

VEHICLE HEATING AND WINDSHIELD DEFROSTING DEVICE

Douglas B. Whitney, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 28, 1939, Serial No. 292,165
4 Claims. (Cl. 98—2)

1. In a car heating and windshield defrosting device, the combination of a casing located within the car body, a heat radiating member mounted within the casing, a blower supported on the casing, a chamber located in the casing between the heat radiating member and the blower, the inlet to the blower communicating with the chamber, a tube leading from the discharge side of the blower to the windshield, an air conduit adapted to conduct air from outside of the car body to within the chamber, means adapted to admit air from within the car body through the



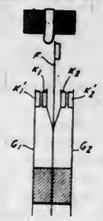
heat radiating member to the blower, and regulating means located within the chamber, said regulating means being adjustable and being adapted when set in one position to cause heated air from within the car body to be discharged by the blower against the windshield, and when set in another position to cause unheated air from outside of the car body to be discharged by the blower against the windshield.

2,253,672

CONTACT FOR VIBRATORS, RELAYS, OR THE LIKE

Gerhard Wolter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application March 23, 1939, Serial No. 263,744
In Germany March 23, 1938
1 Claim. (Cl. 200—166)



In a vibrator device, an electrical make-and-break switch having a pair of cooperating contacts, one of said contacts being composed of at least one of the metals having a cubic crystalline structure from the group including copper, silver and gold, the other contact being composed of at least one of the metals having a hexagonal crystalline structure from the group including zinc, cadmium, ruthenium, osmium, cobalt, magnesium and beryllium.

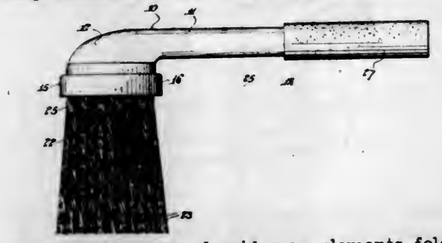
2,253,673

AUTOMATIC WATER MOP AND POLISHER

Arvid E. Anderson, Philadelphia, Pa.

Application August 25, 1939, Serial No. 291,821
1 Claim. (Cl. 15—129)

A mop and polisher consisting of a circular hollow head, a hollow shank formed with said head at substantially right angles to the axis of the head with the interiors of said shank and head in communication to allow a free flow of liquid through them, a cap detachably connected directly to the head, said cap including a circular body and spaced parallel bars, the spaces between the bars functioning as outlets for liquid flowing through the shank and head, and mop elements each comprising a plurality of



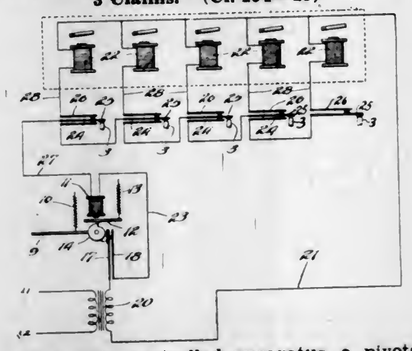
rope strands, one of said mop elements folded over each bar and the folded portions of at least one rope strand of each mop element tied together to hold the mop elements in place.

2,253,674

COIN ACTUATED REMOTE CONTROLLER

Lloyd J. Andres, Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan

Application May 11, 1939, Serial No. 272,980
3 Claims. (Cl. 194—15)



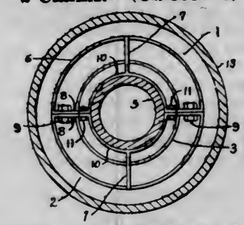
1. In a coin controlled apparatus, a pivotally mounted arm normally extending into the path of a coin, means for urging said arm to one position, a pair of normally open electric contacts in operative relationship to said arm, an electromagnet having an armature adapted to lock the aforesaid arm in a displaced position, said arm being adapted to be moved to its displaced position upon the deposit of a coin in said apparatus and simultaneously close the aforesaid contacts. an electric circuit connected to said electric contacts and said electro-magnet, a source of electric energy connected to said circuit, a plurality of auxiliary circuits connected in parallel to said circuit first named, each auxiliary circuit including a device to be operated upon the completion of the circuit first named, each auxiliary circuit having a push button switch provided with normally open contacts connected between each auxiliary circuit and said first named circuit normally closed contacts connecting said push button switches in series with each other, whereby the operation of one of said push button switches electrically energizes the circuit of said push button switch and the device to be operated connected thereto, and simultaneously energizes said electro-magnet to thereby unlock the aforesaid arm and restore the same and said electric contacts first named to their original open position.

2,253,675

CENTERING CAGE

Rousseau Arnold, Portland, Tex.

Application August 22, 1940, Serial No. 353,639
2 Claims. (Cl. 308—4)



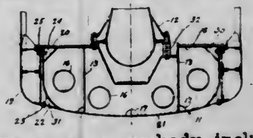
1. A centering cage formed of longitudinal complemental sections adapted to be fitted together around a coupling of a well tubing or the like, means for releasably securing said sections together, said cage comprising an inner tubular member shaped to closely surround the coupling and an outer tubular member, radial webs connecting said members in spaced relation and extending longitudinally of the coupling, said webs having end extensions whose free ends are clamped to the parts connected by the coupling by some of said securing means.

2,253,676

ENGINE FOUNDATION FOR VEHICLES

Brunolf C. Baade, Dessau, Anhalt, Germany, assignor, by mesne assignments, to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Original application May 5, 1934, Serial No. 724,112. Divided and this application February 8, 1939, Serial No. 255,270
3 Claims. (Cl. 105—172)



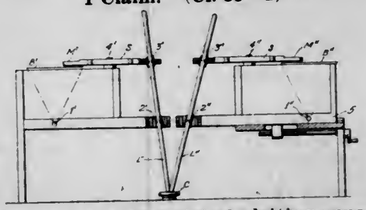
1. In a railway car, a car body, including two longitudinal supporting girders forming the lower edges of the car body, transverse members connecting said supporting girders, an engine foundation connecting member above and resiliently supported on said transverse members and forming a container to be used for storing a service liquid.

2,253,677

STEREOPHOTOGRAMMETRICAL PLOTTING APPARATUS

Edwin Berchtold, Heerbrugg, Switzerland

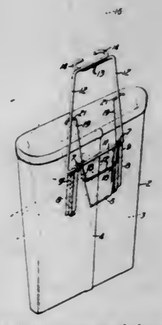
Application January 24, 1939, Serial No. 252,550
In Switzerland July 19, 1938
1 Claim. (Cl. 33—1)



A stereophotogrammetrical plotting apparatus, comprising mechanical guide rods extending in the object-space and picture-space, separate pic-

ture-carrying means for each guide rod, said picture-carrying means extending in a horizontal plane, said guide rods being laterally offset in relation to said picture-carrying means, universally mounted collars, said guide rods being slidable in said collars which are situated approximately at the level of said picture-carrying means, lazy tongs-carrying means constituting setting marks, said setting marks extending above said picture carrying means, stationary pivots supporting said lazy tongs intermediate their ends, and means connecting said lazy tongs with said collars, whereby said marks and the centers of said collars describe, when moved, substantially similar figures.

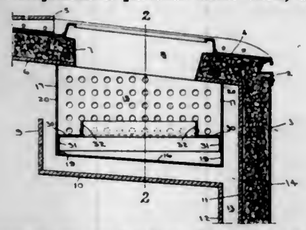
2,253,678
BRUSH PROTECTING DEVICE
Lude Brennan Blackledge, Berkeley, Calif.
Application March 18, 1940, Serial No. 324,576
2 Claims. (Cl. 206—15.1)



2. A brush holder comprising an open top receptacle provided with a recess for containing fluid and for receiving a brush having a handle extending therefrom, a bracket comprising a piece of wire bent to form a U-shaped tongue and integral legs extending from and disposed angularly with respect to said tongue, means securing said legs to said receptacle, a wire member pivotally mounted on said bracket and having substantially parallel vertically directed arms thereon, means formed at the end of each of said arms for clamping the handle of said brush therebetween, said wire member being movable from a first position, extending substantially normally to a side of said receptacle to form a carrying handle for the said receptacle toward a second position paralleling a side of said receptacle wherein said handle clamping means are substantially centered above the receptacle recess so as to hold said brush suspended centrally of and in spaced relation to said receptable recess, and means extending from said bracket engageable by said arms of the wire member for limiting the movement of said wire member toward said second position thereof.

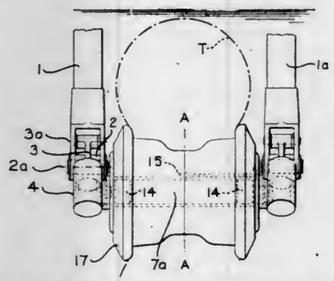
2,253,679
REFRIGERANT CONTAINER
Charles D. Bonsall, Pittsburgh, Pa., assignor to Standard Railway Refrigerator Company, New Kensington, Pa., a corporation of Delaware
Application December 8, 1938, Serial No. 244,541
5 Claims. (Cl. 62—17)

1. In a refrigerator car having a refrigerant container below the roof, a channel within said container associated with one of the walls thereof and arranged so that the outer side of said channel comprises a part of said wall, said part



of said container wall being foraminous and the remainder of said channel being substantially imperforate.

2,253,680
BILATERALLY SUPPORTED RESILIENT WHEEL MOUNTING FOR AIRCRAFT UNDERCARRIAGES
Rowland Henry Bound, Cheltenham, England, assignor to Dowty Equipment Limited, a limited company
Application May 12, 1939, Serial No. 273,241
In Great Britain May 27, 1938
16 Claims. (Cl. 244—104)

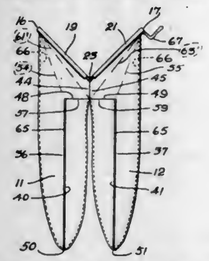


1. In aircraft alighting gear, in combination, two upright legs, a spindle disposed transversely to the direction of advance, and parallel to the ground, whereon a wheel or like ground-engaging member is journaled, an arm pivoted upon and extending generally laterally from each of said legs, the spindle extending between and being supported wholly by the swinging ends of said arms, a second arm pivotally supported from each leg, and extending generally laterally from a point thereon which is spaced from the pivot of the first arm, and each paired with one of such first arms and linked to the swinging end thereof to swing jointly therewith, and to form a deformable triangle, each such triangle including a piston carried by one arm and a cylinder carried by the other, and a pressure-equalizing connection extending through the spindle between the pressure chamber of each such cylinder.

2,253,681
ESTER COMPLEXES AND PROCESS OF PRODUCING SAME
Theodore F. Bradley and William B. Johnston, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 5, 1939, Serial No. 266,132
21 Claims. (Cl. 260—22)

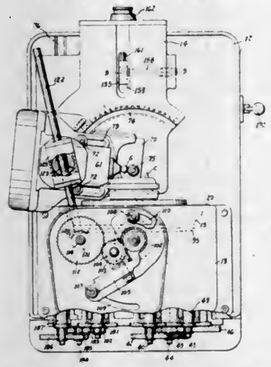
1. A process for the production of ester condensation products which comprises heating to reaction temperatures a mixture containing fumaric acid, a conjugated terpene of the $C_{10}H_{16}$ series and a reactive solubilizing alcohol.

2,253,682
LADY'S HANDBAG
Benjamin Robert Brody, New York, N. Y., assignor to Harry Rosenfeld Inc., a corporation of New York
Application July 1, 1939, Serial No. 282,519
2 Claims. (Cl. 150—28)



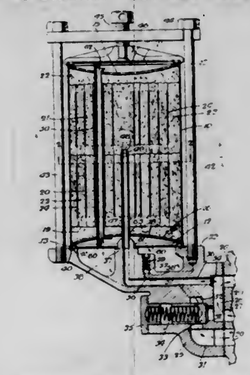
2. A lady's handbag comprising: first and second frame elements pivotally connected to each other at the lower portions of said frame elements; separate first and second pockets or compartments, the lower portions of which are spaced and free of connection with each other; said pockets having the walls thereof which are adjacent to each other interconnected at the upper edges thereof to form a divider, the upper edge of said divider being disposed, along a substantial portion thereof, below the level of the pivotal interconnection of the frame elements, the upper outer edge of the first pocket being connected to the first frame element and the upper outer edge of the second compartment being connected to the second frame element.

2,253,683
GEAR CUTTING MACHINE
George H. Bryan, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application September 5, 1939, Serial No. 293,417
12 Claims. (Cl. 90—5)



1. In a machine for generating tapered gears, a work support, a tool support, an oscillatory cradle on which one of said supports is mounted, a rotatable work spindle journaled in the work support, a tool mounted on the tool support, means for actuating the tool, means including a rotatable cam for oscillating the cradle, a train of gearing including a set of rotary change gears connecting the cradle with the work spindle to rotate the work spindle in time with the cradle movement to generate the tooth profiles, and means for periodically indexing the work spindle.

2,253,684
FILTER
Robert Nash Burckhalter, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application March 18, 1937, Serial No. 131,558
6 Claims. (Cl. 210—131)

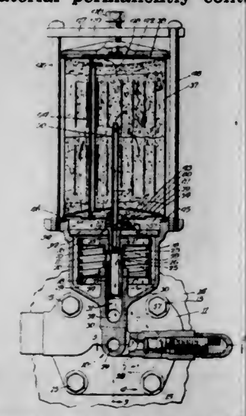


3. In an internal combustion engine having a crank case provided with a boss having three openings therethrough, a base having a sealing face provided with a groove therein forming with two of said openings a portion of a continuous passage for conducting oil from the crank case to the engine bearings, a filter casing of light sheet metal having inlet and outlet openings at one end and a sealing rim seated on said sealing face, means for removably clamping the casing to the base, filter material within the casing, a discharge passage within said base in communication with said outlet opening and forming with the third opening in said boss an enlarged discharge passage for said filter, a by-pass in said base for conducting oil from said continuous passage to said discharge passage, a pressure operated spring pressed valve in said by-pass adapted to open when the pressure within said continuous passage rises above a predetermined amount, an intake passage for conducting oil through said continuous passage to the inlet opening of said filter, a restriction within said intake passage having a great resistance to flow of oil therethrough, a relief passage for conducting oil from said intake passage to said discharge passage, said relief passage being between said filter and said restricted passage and having a low resistance to flow of oil, a spring pressed relief valve within said relief passage for relieving the pressure of oil in said filter when the same rises above a predetermined amount.

2,253,685
FILTER
Robert Nash Burckhalter, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application May 14, 1938, Serial No. 207,893
4 Claims. (Cl. 210—131)

4. In a lubricating system for internal combustion engines having oil contaminated with

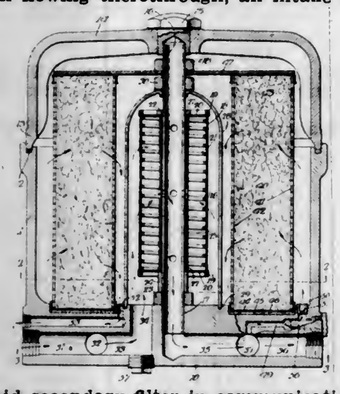
impurities including solids injurious to the bearings and impalpable solids, such as colloidal carbon, a filter apparatus for said oil comprising a primary filtering medium, means including a casting enclosing said filtering medium and having an intake passage for conducting oil to the filtering medium and a discharge passage for conducting oil from the filtering medium to the bearings of the engine said filtering medium comprising a barrel of woven wire for removing coarser impurities from the oil passing therethrough, a secondary filter comprising a casing removably attached to said means enclosing said primary filtering medium and comprising a single wall chamber of thin sheet metal, a filter of fibrous material permanently contained within



the thin sheet metal chamber, a shunt passage for conducting a portion of the oil only from the discharge passage of said primary filtering medium to said secondary filter, a restriction in said shunt passage, an outlet passage for conducting filtered oil from said secondary filter to the crank case of the engine, a by-pass in communication with said shunt passage between said restriction and said secondary filter for conducting oil from said shunt passage to said outlet passage, said by-pass offering a low resistance to the flow of oil therethrough and a pressure relief valve within said by-pass for shunting the last named oil around said secondary filter when the pressure on said valve exceeds a predetermined amount far below that within said discharge passage.

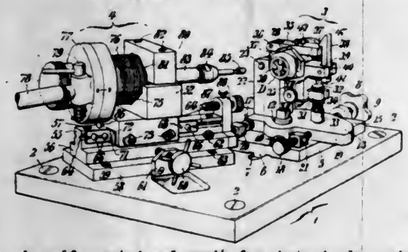
2,253,686
FILTER
Robert Nash Burckhalter, Michigan City, Ind., assignor to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application May 14, 1938, Serial No. 207,894
4 Claims. (Cl. 210—131)

3. In a lubricating system for an internal combustion engine having a crankcase for containing oil contaminated with impurities including solids injurious to bearings and impalpable solids such as colloidal carbon, a filtering apparatus including a base having therein an inlet for oil entering the apparatus and an outlet for oil flowing from the apparatus to parts to be lubricated, a primary filter including a casing carried by the base, and a primary filter element connected in series with said inlet and said outlet and between the same and excluding substantially all solids injurious to bearings and passing substantially all impalpable solids, a secondary filter including a casing carried by the base enclosing the primary filter, a secondary filter element within said last named casing surrounding the primary filter for removing colloidal carbon from the oil flowing therethrough, an intake passage



for said secondary filter in communication with said outlet for oil from said primary filter for conducting oil therefrom to said secondary filter and an outlet passage in said base for conducting the oil from said secondary filter to said crankcase.

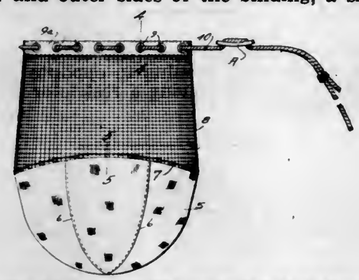
2,253,687
TOOL GRINDING DEVICE
John V. Carlson, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application April 3, 1939, Serial No. 265,702
2 Claims. (Cl. 51—34)



1. A self-contained unit for interiorly grinding hollow tools, such as thread cutting dies, for attachment to a table or the like, comprising an oblong rectangular bed; a rotary holder for the tool mounted on the bed at one corner with its axis of rotation extending longitudinally of the bed; means for effecting vertical adjustment of said holder to determine the depth of relief, endwise adjustment for setting the point of grinding action, and circular adjustment to determine the grinding angle; a fixed track at the diagonally opposite corner of the bed arranged at an acute angle to the axis of the rotary tool holder; and a carriage for supporting a grinding wheel with its axis extending in the general direction of the track, said carriage being confined to travel back and forth on the track for movement of the grinding wheel into and out of the hollow of the tool during the grinding.

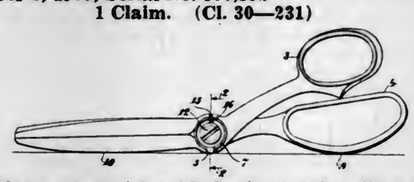
2,253,688
BAIT CARRIER
Edwin D. Collins, Lima, Ohio
Application April 6, 1940, Serial No. 328,283
1 Claim. (Cl. 43—55)

A bait carrier comprising a water impervious flexible bag having a substantially semispherical shape and open at its upper edge, a substantially cylindrical flexible mesh net secured to the upper edge at its lower edge, a flexible and collapsible binding on the upper edge of the net having openings therein, a length of strand-like material extending through the openings on alternately inner and outer sides of the binding, a slidable



clasp for the strand-like material whereby movement of the clasp along the strand will permit opening and closing of the upper end of the net and the material within the bag will be adapted gravitationally to cause closing of the upper end of the net when the bag is held in suspended relation out of contact with an under supporting surface, said clasp being adapted to retain the mesh net closed.

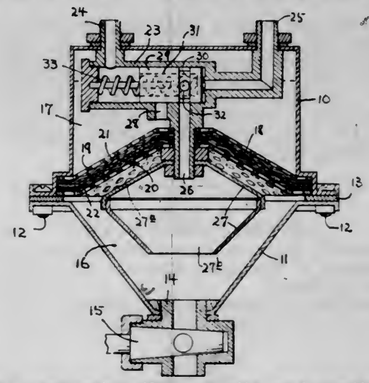
2,253,689
SHEARS
Charles J. Dalley, Maplewood, N. J.
Original application January 27, 1939, Serial No. 253,074. Divided and this application December 5, 1939, Serial No. 307,592
1 Claim. (Cl. 30—231)



Shears comprising blades having handles and provided with opposed hub portions, an adjustable screw fastening extending through said hub portions, said hub portions having annular rims surrounding the exposed ends of said screw connection and radial extensions on said annular rims forming rests for supporting said shears in upright position with the handles ready to receive the fingers of a hand, said radial extensions being in the form of lugs projecting down below the lower edges of the blades and registering in the closed position of the blades and extending substantially the full thickness of the assembled blades and thereby providing a broad supporting base capable of maintaining the shears in the upright hand-grasping position.

2,253,690
FILTER
William P. Dalrymple, Elma, N. Y.
Original application November 3, 1933, Serial No. 696,475. Divided and this application February 18, 1938, Serial No. 191,241
4 Claims. (Cl. 210—166)

1. In a filter, the combination of a receptacle, means comprising a filtering medium for dividing the receptacle into inlet and outlet chambers arranged in such relation that the grit and dirt from the filtering medium when released by an operation of cleaning the filtering medium are adapted to settle into the lower portion of the inlet chamber, an outlet port communicating with the outlet chamber adapted to permit liquid to escape therethrough under pressure, means for delivering liquid to be filtered into said inlet chamber under such pressure as to compress a quantity of air trapped in the receptacle and to cause liquid to escape from the outlet chamber through said outlet port, and valve means controlled by the pressure of the liquid entering the receptacle for controlling the movements of the liquid into and through the receptacle, comprising a cylinder communicating at one end with said means for delivering liquid to the receptacle, means connecting said cylinder at a point adjacent to said one end with said inlet chamber,

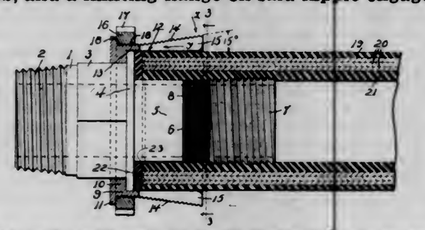


means connecting the opposite end portion of said cylinder with said outlet port, a port at the intermediate portion of the cylinder opening into said outlet chamber, a valve slidably mounted in said cylinder having a longitudinally extending opening therein, and yielding means adapted normally to hold said piston at the end of said cylinder adjacent to the connection with said inlet chamber in position to close said intermediate port with said two end connections in effective communication with each other through said longitudinal opening, the arrangement being such that when liquid is being delivered under pressure into the receptacle said valve is held at the opposite end of said cylinder so as to permit said liquid to pass through said cylinder to the inlet chamber and so as to permit liquid to pass through said longitudinal opening from said outlet chamber to said outlet port.

2,253,691
HOSE CLAMP
Frank L. Darling, Hollywood, Calif., assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application November 6, 1939, Serial No. 303,124
2 Claims. (Cl. 285—86)

1. A hose clamp comprising a one-piece tubular body having an inwardly extending web forming a restricted opening in said body, said body being threaded on its outer face and being slit longitudinally from one end thereof at least to a position near said web to thereby form radially movable fingers intermediate said slits, said fingers being of greater radial thickness adjacent their outer or free ends than adjacent said web, the material of said body at the bases of said fingers being ductile and the fingers being relatively stiff to prevent curling under clamping

pressures, a nut having an inside diameter substantially the same as the outside diameter of the unslit threaded part of said body and threaded on said body, a nipple having a portion with a peripheral cross-sectional shape at one end, to pass through the opening formed by said web, and a limiting flange on said nipple engage-



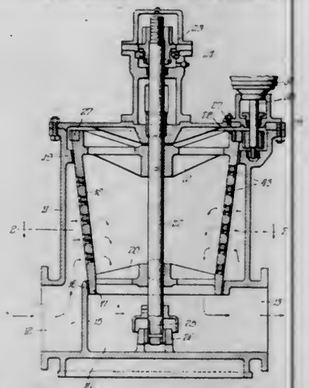
able with said web to limit the axial movement of said nipple, said flange, when in operative position, being arranged on the side of said web nearest said fingers, whereby when the clamping pressure of said fingers is exerted on a hose end, longitudinal movement of said flange away from said hose end is resisted by the engagement of said flange with said web.

2,253,692

FILTER CONSTRUCTION

Thomas De Grave, Chicago, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois

Application February 5, 1940, Serial No. 317,303
3 Claims. (Cl. 210—152)



1. In a filter of the backwashing type, a filter drum of substantial thickness having filter openings therein, and conical filtering means fitted within said openings and within the contour of the drum, means for supplying fluid to be filtered to one face of the drum, means for withdrawing filtered fluid from the other face of the drum, and a backwash receiving port located adjacent the first mentioned face of the drum, the apices of the cones being directed toward the flow with the filtering flow against the outer face of the cone and the backwashing flow against the interior of the cone.

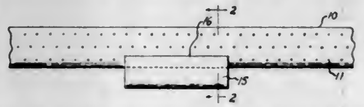
2,253,693

MUFFLER

Floyd E. Deremer, Detroit, Mich.

Application November 4, 1940, Serial No. 364,135
2 Claims. (Cl. 181—48)

2. In an exhaust silencer for internal combustion engines, a through flow tube, and a U shaped trough having its ends open, and its longitudinal edges secured to opposite sides of the tube to



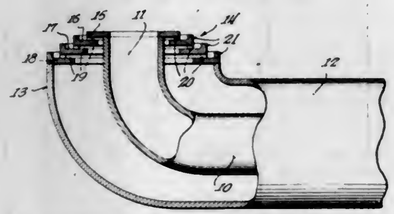
provide a tunnel alongside the tube, the tube having perforations opening to opposite ends of the tunnel, the tube having a restrictor between said perforations.

2,253,694

STOKER

Roy E. Drawz, Minot, N. Dak.

Application July 18, 1938, Serial No. 219,796
2 Claims. (Cl. 110—45)



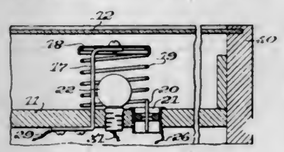
1. A tuyère for stokers comprising a plurality of concentric rings of graduated sizes superposed to form a hollow substantially conical structure, spacer lugs separating said rings to provide gaps therebetween for the radial discharge of air therebetween, upstanding concentric ribs formed along the outer peripheries of said rings, each of said ribs having an ash-supporting top face and also having an upright inner face encircling and covering but spaced from the gap below the next adjacent upper ring thereby to break the force of the issuing air stream and to direct the air at low velocity upwardly past the periphery of the next adjacent upper ring without disturbing ash lodged upon said top faces of said ribs.

2,253,695

BALL ROLLING GAME

Lyndon A. Durant, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.

Application October 7, 1937, Serial No. 167,740
6 Claims. (Cl. 273—121)



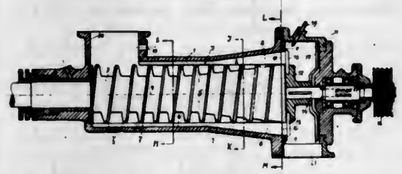
1. In a game comprising a table over which balls are rollable, a switch including a cylindrically coiled, spring bumper member vertically disposed on the table and closable when the member is ball bumped to establish an electric circuit included in the game, a lamp in the circuit lighted when the switch is so closed, means to keep the lamp lighted throughout the playing of the game even after the switch is opened, and an electromagnetic device included in the circuit and energized every time the switch is closed.

2,253,696

METHOD FOR EXTRACTION OF OIL SEEDS

Philipp Lorenz Fauth, Wiesbaden-Dotzheim, Germany; Wilhelm Fauth, administrator of the estate of said Philipp L. Fauth, deceased

Application June 30, 1937, Serial No. 151,138
In Germany July 2, 1936
6 Claims. (Cl. 260—412.2)



3. A method of treating oil bearing materials, particularly oil seeds, comprising pressing the oil bearing material to be treated on its passage to the location where it is to be comminuted into a coherent strand-like mass, and cutting it up in this form for the purpose of extracting it.

2,253,697

DIE FOR MOLDING OR CASTING OPTICAL LENSES

Paul Genesy, Berkeley, Calif., assignor of one-third to Jenkel-Davidson Optical Company, a partnership composed of Forrest B. Davidson and Walter C. Jenkel, all of San Francisco, Calif.

Application July 11, 1938, Serial No. 218,501
6 Claims. (Cl. 18—47)

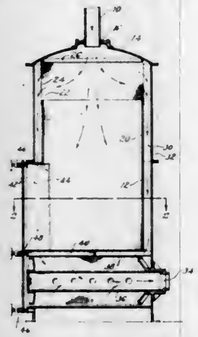
4. A die for casting or molding optical lenses comprising: a sillimanite base; and a layer of glass fused to one side of said base, said layer of glass being formed with an optical surface.

2,253,698

APPARATUS FOR RECEIVING STRIPPINGS OF COTTON AND THE LIKE

William H. Goldsmith, Jr., Brookline, Mass., assignor to Abington Textile Machinery Works, Boston, Mass., a trust of Massachusetts

Application May 21, 1940, Serial No. 336,399
2 Claims. (Cl. 19—75)



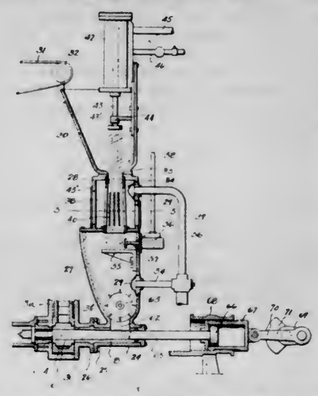
1. A receiver for air-borne fibre, comprising an upright chamber closed with an imperforate wall throughout the greater portion of its length and with a perforate wall throughout the upper portion of its length, an annular air chamber surrounding the receiving chamber throughout its complete length, means for introducing air with fibre therein at the upper portion of the chamber and for causing the air and lighter particles to discharge through the perforate wall into the annular surrounding chamber and the larger fibre to drop downwardly to the bottom of the receiver and cease to be air-borne, removable means for sealing the bottom portion of the receiving chamber, means in communication with the annular air chamber for withdrawing air from the bottom portion thereof, and means for screening the air outlet.

2,253,699

METHOD AND APPARATUS FOR MAKING FUEL BRIQUETTES

Worth C. Goss, Seattle, Wash., assignor to Carlisle Lumber Company, Onalaska, Wash., a corporation of Washington

Application December 17, 1937, Serial No. 180,376
12 Claims. (Cl. 25—67)

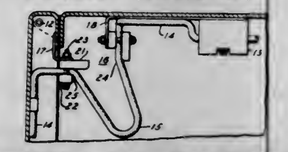


10. An impact press comprising a vacuumized housing, a discharge tube leading from the housing, a movable die carrier in the housing, a briquette molding die mounted in the carrier, a die charging mechanism, a vacuum chamber, a hopper for receiving comminuted material, a tube leading from the base of the hopper through the vacuum chamber for delivery of material to the charging mechanism; said tube having vacuumizing slots within that portion contained in the vacuum chamber, a ram for advancing comminuted material from the hopper through said tube for vacuumization and in a compact mass to seal the entrance to the charging mechanism; said charging mechanism including an air-tight chamber for receiving the vacuumizing material, means for filling the die with vacuumized material, means for forming the material into a briquette in the die, means for moving the carrier to register the die with the discharge tube and means for effecting the ejection of the briquette from the die into the tube as a means for sealing the tube against admission of air into the housing.

12. The method of making fuel briquettes from comminuted material comprising forcing the comminuted material in a continuous column of compact mass through a vacuumizing chamber for the extraction of air from the material and whereby the column serves to seal the inlet and outlet of the vacuumized chamber, receiving the column of material after passing through the

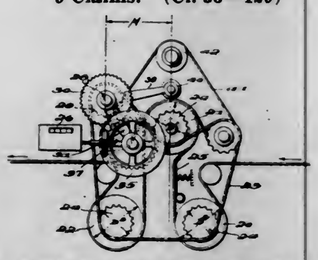
vacuumizing chamber within an air-free chamber, disintegrating the column, and then forming the material into briquettes.

2,253,700
SWITCHBOARD WIRING
Paul S. Graham, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 7, 1940, Serial No. 322,787
5 Claims. (Cl. 174—52)



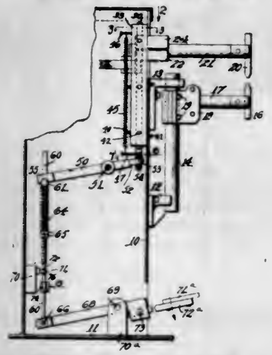
1. In a switchboard structure, in combination, a stationary member, a swinging member, a flexible wire interconnecting said members, and oppositely disposed wiring cleats for holding said wire in position, each wiring cleat comprising a pair of strips disposed in spaced relation, the adjacent edges of said wiring cleats being stepped to cause the wire to bend at different points alternately, thereby reducing the angle of bending of the wire as the swinging member is moved back and forth.

2,253,701
APPARATUS FOR MEASURING THE LENGTH OF STRIP MATERIAL
Heinrich Grünbaum, Berlin-Lankwitz, Germany
Application August 30, 1938, Serial No. 227,549
In Germany June 12, 1936
9 Claims. (Cl. 33—129)



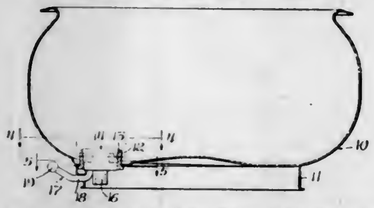
1. In a machine for measuring the length of a flexible strip of material including a measuring device adapted to continuously receive and deliver a strip, a feed roller in advance of said measuring device for feeding the strip to the same and a feed roller behind said measuring device for feeding the strip away from the same, said feed rollers being positioned in relation to the measuring device so that with the strip passing in frictional feeding engagement around the underside thereof the points at which said strip leaves and meets said rollers, respectively, are below the points at which the strip is received and delivered by the measuring device, means for constantly driving the feed roller in advance of the measuring device at a peripheral speed greater than the rate of passage of the strip through the measuring device and for driving the feed roller behind said measuring device at a peripheral speed less than the rate of passage of the strip through the measuring device whereby upon overfeed between the measuring device and either of the feed rollers slipping occurs between the strip and the respective feed rollers due to sagging of the strip away from the surface thereof.

2,253,702
WELDING MACHINE
Preston M. Hall, Worcester, Mass.
Application June 8, 1940, Serial No. 339,465
2 Claims. (Cl. 219—4)



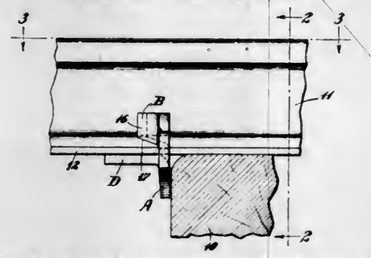
1. In a welding machine having a casing and fixed and movable electrodes, in combination, a sliding stand for the movable electrode, means to guide said stand to give said movable electrode a straight-line movement toward and from the fixed electrode, manually operated means including a yielding connection for moving said sliding stand and electrode to welding position, and self-acting means to return said stand and electrode to inoperative position, said manual operating means including a foot lever pivoted within said casing, a pull rod having a swivel connection to said lever and extending loosely through a bearing in said sliding stand and a spring interposed between a collar on the upper end of said pull rod and the upper face of said bearing.

2,253,703
VALVE STRUCTURE
William H. Harstick, Milwaukee, Wis., assignor to International Harvester Company, a corporation of New Jersey
Application March 23, 1939, Serial No. 263,689
2 Claims. (Cl. 137—21)



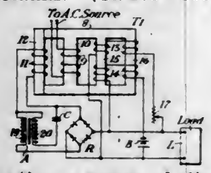
1. A tank having a downwardly extending support and an opening provided in its bottom wall, said support provided with an elongated aperture which consists of a main portion and a laterally offset portion, said offset portion being enlarged at its extremity remote from said main portion, a rotary valve removably seated in said opening for rotation therein and having a control member extending downwardly therefrom and then outwardly through said aperture, said control member having an enlarged free end of a dimension greater than any part of the aperture except the enlarged portion, said main portion of the aperture permitting normal operation of said control member and valve and said enlarged portion permitting removal of said control member from said enlarged portion and said valve from said opening.

2,253,704
RAIL ANCHOR
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 13, 1939, Serial No. 261,494
3 Claims. (Cl. 238—330)



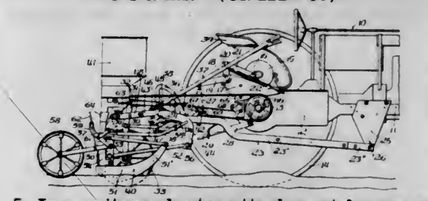
1. In an anchor for rails of a railway track structure including a rail having base flanges and a tie supporting said rail, the combination with a base portion transversely underlying the base of the rail and abutting the tie; of a fixed jaw at one end of said base portion and extending therefrom, said jaw including a lower jaw member engaging the underneath side of the base flange of the rail and a straight upper jaw member inclined to the length of the rail and extending into overhanging gripping engagement with the top face of one of the base flanges of said rail; a lug upstanding from the other end of said base portion and abutting the edge only of the other base flange of the rail; and an elongated shelf extending from the upper section of said base portion away from the tie a greater distance than the upper jaw member of said gripping jaw into underlying relation with the rail base.

2,253,705
ELECTRICAL REGULATING APPARATUS
Linnie K. Hedding, Swissvale, and Paul S. Johnson, Edgewood, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 17, 1940, Serial No. 314,234
22 Claims. (Cl. 175—363)



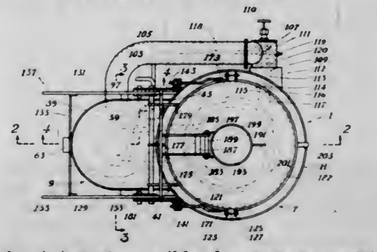
1. In combination, a source of alternating current, a load circuit including a direct current load and a battery connected in shunt, a rectifier interposed between said source and said load circuit, means interposed between said source and said rectifier and controlled by the difference in potential between said rectifier and said battery for maintaining the rectifier output voltage substantially constant over a given range of variation in voltage of said source, a condenser, means for supplying energy from said source to said condenser, and means for varying the condenser current in accordance with the current drawn by said rectifier, said last-mentioned means connected across the input terminals of the rectifier and effective in response to the magnitude of said condenser current to vary the voltage applied to said rectifier, thereby compensating for the voltage drop in the rectifier due to the current drawn by said load.

2,253,706
PLANTING ATTACHMENT
James L. Hipple, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application January 19, 1939, Serial No. 251,793
5 Claims. (Cl. 111—66)



5. In a unitary planter attachment for use with a vertically movable implement-carrying frame, a hopper structure, a runner structure, supporting means adapted for rigid attachment to the implement-carrying frame, means for connecting the runner structure to the supporting means for normally free vertical movement, means for rigidly connecting the hopper structure to the supporting means in cooperative relation with the runner structure and without transmitting load onto the runner structure, and lost-motion connection means between the runner structure and the implement-carrying frame adapted to be taken up to thereby effect lifting of the runner structure upon the implement-carrying frame being vertically moved.

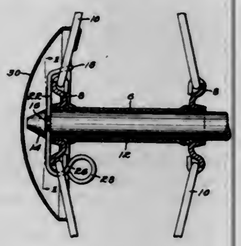
2,253,707
CRUCIBLE FURNACE
Kenneth David Hoke, Chicago, Ill., assignor to Fisher Furnace Company, Chicago, Ill., a corporation of Illinois
Application December 9, 1939, Serial No. 308,419
14 Claims. (Cl. 263—14)



1. An integral crucible furnace comprising a crucible heating section and an air preheating section both of which are surrounded by insulation, said crucible heating section having a heating chamber and said preheater section having a vertical annular closed air preheating chamber, a combustion chamber in open communication with said heating chamber, a burner extending into said combustion chamber, a passageway for combustion gases connecting the upper part of said heating chamber to the upper part of the

central passageway of said air preheating chamber, an inlet and outlet for air connected to said preheating chamber, a closed duct connecting said outlet to said combustion chamber, an oil tank located in said air preheating section, a heating coil connected to said tank in such manner as to permit cyclic circulation of oil through the coil, said coil being located beneath said preheater chamber and in heat exchange relation with flue gases leaving the furnace, and a conduit from said tank to said burner.

2,253,708
DETACHABLE WHEEL
Paul R. Holman, Leominster, Mass., assignor to F. A. Whitney Carriage Company, Leominster, Mass., a corporation of Massachusetts
Application January 9, 1941, Serial No. 373,788
9 Claims. (Cl. 301—112)



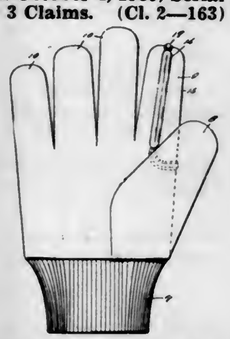
1. A detachable wheel comprising a spoked hub, a resilient wire having a middle portion looped around a spoke and legs extending therefrom terminally supported on other spokes, one of the legs normally intersecting the axle-receiving opening to engage an annular groove in the axle.

2,253,709
WELDING OF LENGTHS OF STRIP METAL
Lorenz Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 23, 1938, Serial No. 215,388, now Patent No. 2,203,151, dated June 4, 1940. Divided and this application April 29, 1940, Serial No. 332,145
5 Claims. (Cl. 219—10)



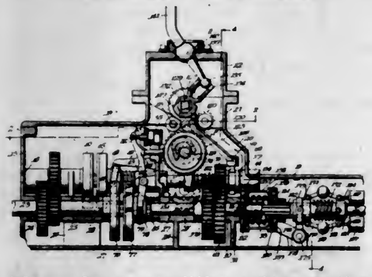
1. The method of flash-welding long, thin, flat pieces of sheet metal in end-to-end relation which comprises disposing the ends of the pieces in non-parallel relation while maintaining the axes of the pieces alined and their sides parallel for a great portion of their length at least, abutting the ends at one side of the pieces and passing electric current therebetween while maintaining said alinement of the pieces and the parallelism of their sides for a great portion of their length, then controlling the push-up of the pieces as the ends thereof are heated to welding temperature so as progressively to produce a line flash-weld between the ends, and so that when the weld is completed, the sides of the connected pieces will be substantially parallel.

2,253,710
GLOVE
Clint Jones and Charles Herman, Orrville, Ohio
Application October 4, 1939, Serial No. 297,942
3 Claims. (Cl. 2—163)



1. In a device of the character described, a glove construction including a finger stall having a slot extending substantially the full length thereof to permit a finger within the stall to move outwardly thereof and inwardly when desired, and yieldable means secured to the finger stall about the slot for bringing about the closing thereof when the finger is confined within the finger stall, a stiffening element secured on the finger stall and extending from one end of the slot over the free end of the finger stall and along a wall of the finger stall opposite the wall having the slot and terminating adjacent the other end of said slot.

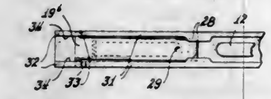
2,253,711
CHANGE SPEED GEARING
Anthony P. Kearns, Basking Ridge, N. J.
Application August 25, 1937, Serial No. 160,915
12 Claims. (Cl. 74—336)



1. Means for transmitting rotary motion from a drive to a driven shaft, said means comprising an intermediate shaft, change speed gearing between the drive and intermediate shafts, a resilient coupling between said intermediate and driven shafts, a sleeve slidable on the driven shaft, a collar slidable on said sleeve, means for displacing said sleeve and therewith said collar when the driven shaft lags behind the intermediate shaft, speed responsive means operative to displace said collar on said sleeve, and gear changing mechanism operated in dependence upon movements of said collar.

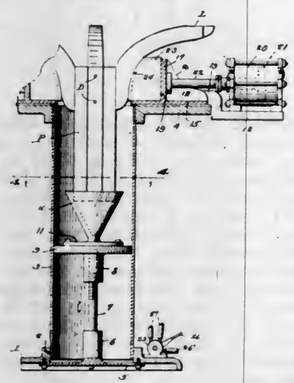
2,253,712
FASTENER
Emil Kern, Long Island City, N. Y., assignor to Acco Products, Inc., Long Island City, N. Y., a corporation of New York
Application August 19, 1939, Serial No. 290,982
4 Claims. (Cl. 24—153)

1. In a fastener for binding papers, the combination of, an elongated compressor plate adapted to have prongs folded thereover, said plate having a longitudinal channel in its top face into which said prongs are folded, a transverse strap bridging said channel adjacent its other end of said plate, a cover hingedly and slidably connected at one end to said plate longi-



tudinally slidable in said channel over said prongs and having its other end engageable beneath said strap when said cover is slid in one direction, and means on said cover and in said strap arranged to co-act to resist longitudinal sliding of the cover when engaged beneath said strap.

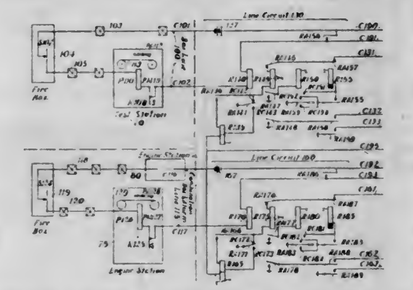
2,253,713
FURNITURE CLAMP FOR DUNCAN PHYFE TABLES
Jeter M. Lancaster, High Point, N. C.
Application August 21, 1940, Serial No. 353,568
5 Claims. (Cl. 144—289)



1. A table clamp including a hollow standard, a table top supported thereby and having an opening registering with the standard, a post centering device in the standard, holding means on the table for overlying and engaging a centered post, and means on the table and movable radially thereof for clamping a leg against a side of the held post.

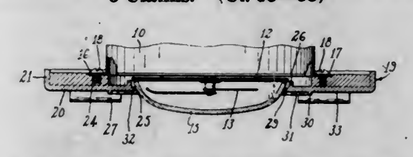
2,253,714
SIGNALING SYSTEM
Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 22, 1939, Serial No. 274,901
7 Claims. (Cl. 177—354)

1. In a signaling system, a plurality of stations, a repeater, a plurality of lines respectively extending between said stations and said repeater, a sender at each of said stations operative to send a signal over the associated line, relays individually associated with said lines, each of said relays being provided with an operating circuit and a holding circuit, means for controlling the operating circuit of each of said relays in accordance with a signal sent over the associated line, thereby normally to cause the relay to operate intermittently, means controlled by the intermittent operation of any one of said relays for completing the holding circuits of the other of said relays, thereby to prevent intermittent operation of said other relays, a



repeating device included in said repeater, and means for controlling said repeating device in accordance with the intermittent operation of said one relay.

2,253,715
CLOCK
Frederick Lux, Waterbury, Conn., assignor to The Lux Clock Mfg. Co., Inc., Waterbury, Conn., a corporation of Connecticut
Application February 2, 1940, Serial No. 316,950
3 Claims. (Cl. 58—53)

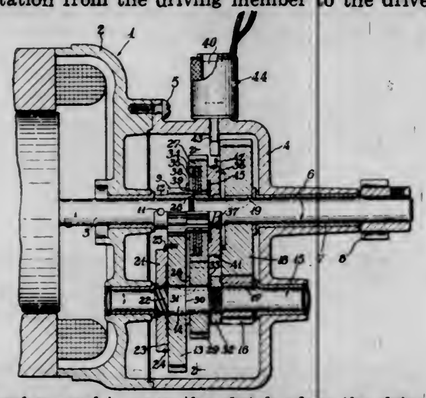


2. A combined front support, dial member and bezel for a clock having a case and a front face, a crystal covering said face, said member being of plate-like formation and having an opening to expose the crystal, said member being provided with means to engage the edge of the crystal and clamp it against the clock face and with means on its rear face to locate the crystal laterally, means to secure the member to the clock case, and said member also being provided on its rear face with seat-forming means to receive and locate the front edge of the clock case whereby the latter is concealed from the front of said member, and means on the case cooperating with the lower portion of the front support to support the clock in upright position from a flat surface.

2,253,716
CLUTCH
Thomas B. Martin, Ithaca, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application January 15, 1937, Serial No. 120,700. Divided and this application June 10, 1939, Serial No. 278,531
4 Claims. (Cl. 192—47)

1. In a transmission mechanism, a driving member, a driven member and a disconnectable connection therebetween including a clutch member threaded to the driven member and arranged to have a frictional connection with the driving member, and a yielding element anchored to the driving member and bearing frictionally on the clutch member to thereby operate the thread-

ed connection to close the clutch for transmitting rotation from the driving member to the driven



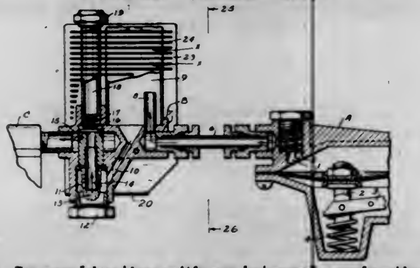
member, and to open the clutch when the driven member overruns the driving member.

2,253,717

MEANS FOR THE PREVENTION OF VAPOR LOCK IN THE FUEL FEED OF INTERNAL COMBUSTION ENGINES

Benjamin McInnerney, Omaha, Nebr.

Application June 4, 1940, Serial No. 338,706
8 Claims. (Cl. 123—139)



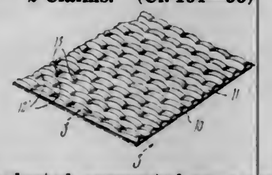
1. In combination with an internal combustion engine having a fuel pump and a carbureter, a condensing chamber in series with the fuel conduit between the pump and the carbureter, means for conducting the fuel into said chamber, then downward from the lower portion of the chamber to a fuel receptacle, from the lower portion of which an upwardly extending passage leads to the carbureter.

2,253,718

MANUFACTURE OF INDENTED, CORRUGATED PAPERS

John A. McKeage, Brookline, Mass., assignor to Sherman Paper Products Corporation, Newton, Mass., a corporation of Massachusetts

Application January 11, 1939, Serial No. 250,387
2 Claims. (Cl. 154—55)



1. An indented, corrugated paper wrapping and packaging material adapted to be flexed across its corrugations and comprising a corrugated paper ply reinforced by a plane paper ply, the successive corrugations of said corrugated ply containing indentures along lines crossing said corrugations substantially perciendicularly at intervals in each corrugation of about $\frac{1}{4}$ to $\frac{1}{2}$'' and the indentures in each corrugation being arranged in staggered relationship to, and substantially midway between, the indentures in each adjacent corrugation.

2,253,719

CIRCUIT INTERRUPTING MEANS

George F. McMahon, Chicago, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware

Application April 10, 1939, Serial No. 266,991
54 Claims. (Cl. 200—120)



34. An electric circuit interrupter comprising, in combination, means comprising a body of magnesium borate providing a bore, a pair of arcing terminals one being stationarily mounted at one end of said bore and the other being movable therethrough, and fusible means interconnecting said arcing terminals and restraining movement of said other terminal, said fusible means being adapted to blow on the occurrence of a predetermined overload whereupon said other terminal is released and an arc is formed between said terminals which plays upon the inner surface of said bore and evolves water vapor therefrom due to its heat sufficient to extinguish the same.

2,253,720

FUSE CONSTRUCTION

George F. McMahon, Chicago, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware

Application April 12, 1940, Serial No. 329,258
15 Claims. (Cl. 200—120)



1. In a fuse, in combination, a pair of terminal means and fusible means interconnecting the same, one of said terminal means being rod-like

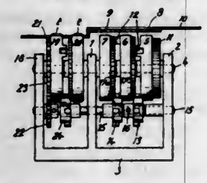
in character and adapted to be connected to an external terminal at one end and to said fusible means at the other end, a sleeve of insulating material containing magnesium borate telescopically related to said pair of terminal means, and adhesive means securing said sleeve to said one terminal means intermediate its ends, the other terminal means being free to move out of said sleeve on blowing of said fusible means.

2,253,721

COUNTER MECHANISM

Karl Meer, Villingen, Schwarzwald, Germany, assignor to Kienzle Taxameter- und Apparate A.-G., Villingen, Schwarzwald, Germany

Application July 27, 1938, Serial No. 221,544
In Germany October 5, 1937
1 Claim. (Cl. 234—2)



A counting mechanism comprising a casing, a numeral wheel mounted in said casing, a window in said casing through which said numeral wheel is visible, a type wheel mounted in said casing, a slot in said casing through which said type wheel is accessible for printing, a spindle revolubly mounted in said casing, a pinion fast on said spindle having teeth which coact with the periphery of said numeral wheel, a tooth on said numeral wheel by which a stepping movement of said pinion is periodically effected and means for transmitting the movements of said pinion and spindle to said type wheel, said periphery coacting with the pinion to lock the pinion when at rest.

2,253,722

LIQUID TREATING COMPOSITION AND METHOD OF MAKING SAME

Bruno Montero, Los Angeles, Calif., assignor to Investo Company, Incorporated, Los Angeles, Calif.

No Drawing. Application April 22, 1940, Serial No. 330,992
10 Claims. (Cl. 23—113)

1. The method of making an artificial base exchanging composition of matter which consists in dissolving in sufficient water to produce a saturated solution a quantity of aluminum sulfate ($Al_2(SO_4)_3.18H_2O$) between one and one and one-half ounces (avoirdupois); adding to this solution between 150 and 222 grains of chloride of sodium (NaCl); and then mixing into the resulting solution between three and six ounces (avoirdupois) of sodium silicate, forty degrees Baumé, consisting of Na_2O 8.85%, SiO_2 28.5%, H_2O 62.65%.

2,253,723

PRODUCTION OF ETHERS

Leonard P. Moore, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 9, 1939, Serial No. 260,778
2 Claims. (Cl. 260—615)

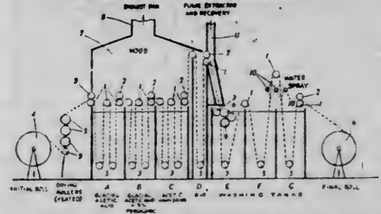
1. A process of producing simple ethers of triethylene glycol which comprises adding ethylene oxide slowly to triethylene glycol in the presence of stannic chloride at about 25–35° C. and at atmospheric pressure and subsequently raising the temperature to about 45° C. to complete the reaction and maintaining the temperature at 45° C. for about one-half hour.

2,253,724

PROCESS FOR THE ESTERIFICATION OF CELLULOSE

Archibald Alan New, Dudley Robert Beckwith, and William Ashley Wiltshire, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application January 20, 1940, Serial No. 314,770
In Great Britain January 18, 1939
5 Claims. (Cl. 260—227)



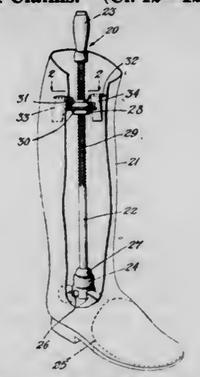
1. A quick, continuous process for the esterification of cellulose in continuous lengths which comprises the steps of continuously passing the cellulose through a bath of an aliphatic carboxylic acid having from two to five carbon atoms and containing 2% to 7% of perchloric acid, and then passing the thus treated cellulose continuously through a bath composed of an anhydride of an aliphatic carboxylic acid having from two to five carbon atoms.

2,253,725

BOOT TREE

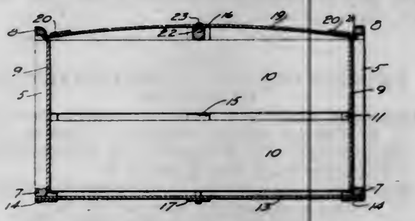
Leighton B. Plotkin, Bridgeport, Conn.

Application May 16, 1940, Serial No. 335,471
14 Claims. (Cl. 12—129.3)



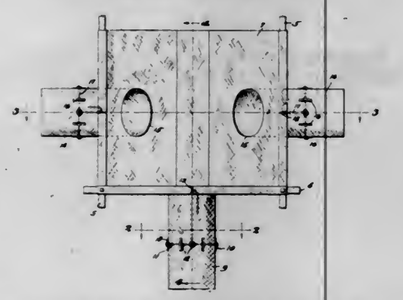
1. In a boot tree, a staff; a crosshead carried by said staff and movable therealong; a pair of rigidly interconnected bootstrap-engaging hooks extending from the crosshead and mounted for simultaneous movement as a unit about an axis passing through the center of said crosshead, and means for urging the crosshead along the staff to cause said hooks to apply a pressure to the straps to extend the boot, said hooks being free at all times to move about said axis to automatically distribute the pressure equally between the boot-straps.

2,253,726
SHIPPING CRATE
Carl H. Roumillat, Tavares, Fla.
Application December 20, 1939, Serial No. 310,237
2 Claims. (Cl. 217—56)



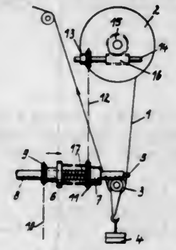
1. In a shipping crate, end frames having panels forming the ends of the crate, bars included as parts of the end frames located above the edges of the panels, said bars having camming surfaces at their upper inner edges, suitable bottom and side members of the crate attached to said frames, cleats attached to the sides of the crate externally thereof and extending above the upper edges of the said side members, a nailing strip attached between the said cleats above the sides, and a flexible cover supported by the nailing strip and having its ends projecting under the bars of the end frames whereby the cover is held in place.

2,253,727
PORTABLE DAM FOR IRRIGATING DITCHES
Thomas E. Sample, Scottsbluff, Nebr.
Application February 9, 1940, Serial No. 318,173
1 Claim. (Cl. 61—29)



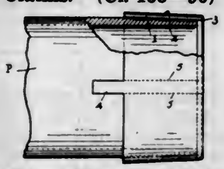
In a portable dam, a frame adapted to rest on the surface at the upper edge of a ditch, a body portion supported by the frame and comprising canvas material adapted to conform to the shape of the ditch in which the dam is positioned, a canvas pipe section extending from the body portion, spaced straps secured to the outer surface of the canvas pipe section, a chain extended through the straps and having a ring at one end thereof, the opposite end of the chain adapted to be passed through the ring, slidably connecting one end of the chain to the main portion of the chain, a hook member on the frame and over which said chain is adapted to be positioned, securing the chain in various positions of adjustment, and said chain adapted to reduce the diameter of the canvas pipe at a point intermediate the ends of the canvas pipe, when the chain is drawn through the ring, thereby regulating the flow of water through the canvas pipe.

2,253,728
WARP MACHINE
Paul Schönfeld, Chemnitz, Germany
Application June 14, 1940, Serial No. 340,427
In Germany May 13, 1938
2 Claims. (Cl. 139—100)



1. A warp beam drive in warp machines, comprising a warp beam equipped with an elastic warp, a beam shaft, a self-locking driving device including a shaft, a worm disposed on said shaft and a worm wheel on the beam shaft, means for driving said shaft, a coupling arranged on said shaft driving means and having a movable member for starting and stopping the beam drive, a tension roller disposed in a sag of the warp and capable of up and down motion in response to the consumption of warp for controlling the coupling, means for varying the weight of the tension roller, and a feeler positioned in the path of the tension roller and lifted by said roller at a predetermined position to actuate the coupling.

2,253,729
THREAD PROTECTOR FOR PIPE
Harry W. Schuetz, Sewickley, Pa., assignor to Pittsburgh Screw & Bolt Corporation, a corporation of Pennsylvania
Application October 31, 1940, Serial No. 363,694
2 Claims. (Cl. 138—96)

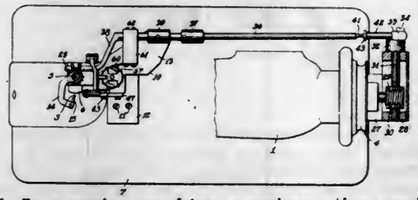


2. The assembly, with a threaded pipe-end, of a thread-protector consisting of a sleeve of resilient material compressed upon the threaded surface of the pipe-end and a shell of sheet metal overlying said sleeve, turned at one end over the end of the sleeve and at the other end provided with a tongue-like extension in union with the exterior surface of the pipe and by such union securing the whole immovably in place, the shell being weakened along parallel longitudinally extending lines, whereby a strip in continuity with said extension, severed from union with the pipe, may be torn from the shell, the circumferential continuity of the shell broken, and the protector released from the pipe-end.

2,253,730
PROCESS OF MOLDING CONCRETE
Jean Charles Séailles, Paris, France
No Drawing. Application April 3, 1939, Serial No. 265,827. In France November 3, 1927
1 Claim. (Cl. 25—155)

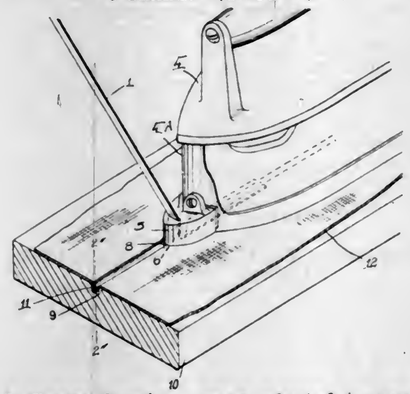
The process of manufacturing concrete articles which comprises preparing a concrete mixture containing sufficient water to flow readily when vibrated, introducing this mixture into an open-topped, water-tight mold, rapidly vibrating it on a vibrating platform at such a rate that it will liquefy and flow to all parts of the mold and until, upon cessation of the vibrations, the mixture will assume a plastic, gelatinous state, then removing said mold from the vibrating platform, inverting said mold on a base while the mixture is still in said gelatinous state and before any setting takes place, raising one end of the mold slightly from the base and causing the gelatinous mass of concrete to slide out of the mold progressively starting at the raised end and with consequent unavoidable deformation, whereupon the elasticity of said gelatinous mass causes it to resume its molded shape upon said base without deformation.

2,253,731
SEWING MACHINE AND ATTACHMENT THEREFOR
Charles Seaman, Jamaica Estates, N. Y.
Application January 9, 1939, Serial No. 249,831
10 Claims. (Cl. 112—101)



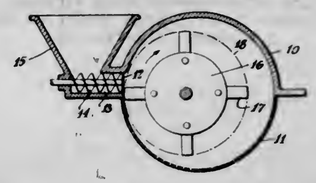
1. In a sewing machine, a reciprocating needle bar carrying a needle, a needle bar actuating shaft to reciprocate said needle, means to simultaneously feed a base material and a cord past the path of the needle, means oscillating in front of said needle to supply the cord in position to be secured to said base material, a pin adjacent the end of the travel of the oscillating means in one direction and adapted to be lowered and raised, cam means to periodically lower said pin to engage the cord and hold it out of the path of travel of the needle whereby a loop is formed in the cord and thereafter raise said pin to disengage said cord, a pawl to drive said cam, and means actuated by the needle bar actuating shaft to actuate said pawl.

2,253,732
PERMANENT CREASE FORMING MEANS
David Segelin and Solomon Segelin, Rochester, N. Y.
Application May 11, 1939, Serial No. 273,064
9 Claims. (Cl. 38—1)



5. Crease forming means adapted to permanently form a crease in fabric supported on an ironing board having a groove extending longitudinally thereof for the support of a fabric over said groove, comprising an iron for movement over the fabric on said board, means movable with said iron for holding the fabric locked into said groove to form a crease in the fabric, means movable with said first named means for guiding a crease retaining tape for attachment thereof to the fabric on each side of the groove and means for forcing a middle portion of the tape longitudinally into said groove.

2,253,733
IMPACT PULVERIZER
William M. Sheldon, Roselle Park, N. J., assignor to Louis Ruprecht, Montclair, N. J.
Application March 31, 1938, Serial No. 199,205
3 Claims. (Cl. 83—11)

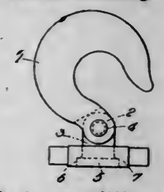


1. An impact pulverizer, comprising a horizontally set cylindrically shaped chamber having a feed opening in one side of the peripheral wall thereof, said wall having a substantially plain inner surface and being imperforate for a substantial distance upward from the feed opening, a high speed rotor having circumferentially spaced hammers mounted eccentrically in said chamber so that the path of the ends of the rotor hammers is closest to the peripheral wall of the chamber at the feed opening and is at a substantial distance from said wall opposite the feed opening, said wall diverging from the path of the ends of the hammers in the direction of rotation of the rotor from the feed opening and converging toward said path as the feed opening is approached, the increase in space between the ends of the hammers and said wall enabling a large part of the fragments thrown tangentially by the hammers to travel along or adjacent to said wall without again coming into contact with the hammers until the sufficiently pulverized material can pass out through the wall apertures, means for driving the rotor so that its hammers move upwardly past the feed opening, and means for supplying material to be pulverized to said chamber through the feed opening, said wall having apertures for the discharge of pulverized material at a distance from the feed opening, said apertures being of a size to permit the passage of material reduced to the desired size and to retain oversize particles.

2,253,734
HOOK, SHACKLE, AND THE LIKE
George Thompson Smith, Loughborough, England, assignor to Herbert Morris Limited, Loughborough, England, a British company
Application August 15, 1939, Serial No. 290,329
In Great Britain March 27, 1939
2 Claims. (Cl. 59—95)

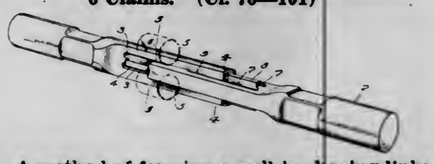
1. A lifting hook assembly comprising a hook, a headed swivel pin, a rivet pivotally connecting the hook to the swivel pin, and a rotatable spindle having a recess arranged to receive the headed swivel pin, the axis of said swivel pin extend-

ing transversely of the axis of rotation of the spindle, said recess forming a bearing for the



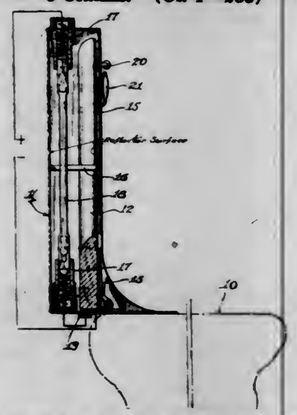
headed swivel pin permitting said pin and hook to rotate as a unit about the axis of the pin.

2,253,735
METHOD OF MAKING DRILL JARS
Lonzo B. Smith, Parkersburg, W. Va., assignor to Acme Fishing Tool Company, Parkersburg, W. Va., a corporation of West Virginia
Application March 6, 1939, Serial No. 259,962
6 Claims. (Cl. 76—101)



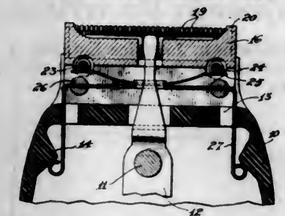
1. A method of forming a well jar having links integrally joined together which includes making a pair of slots in one end portion of a bar of stock, arcuately kerfing the bar from each slot toward the opposite end of the bar, similarly treating the other end portion of the bar to form slots and kerfs substantially at 90° from those above mentioned and severing the section between the four kerfs in substantially the plane including the ends of the kerfs.

2,253,736
SANITARY TOILET SEAT
Romaine Livingston Sullivan, Radnor, Pa., assignor, by mesne assignments, to Sterilseat Corporation, New York, N. Y., a corporation of New York
Application June 29, 1939, Serial No. 281,961
3 Claims. (Cl. 4—233)



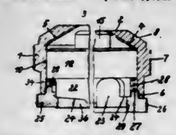
1. In a toilet, a bowl, a toilet seat movable to usable and unusable positions with relation to the bowl, a cabinet receiving the seat when in unusable position and closely fitting about the edges thereof without contacting the same, a lamp in said cabinet emitting a non-heating sterilizing ray, a reflector in said cabinet and directing the rays of the lamp to all portions of the upper surface of the seat, a normally open switch controlling the circuit of the lamp and closed by movement of the seat to unusable position, and means constantly urging the seat to unusable position.

2,253,737
SHAVING IMPLEMENT
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application August 23, 1937, Serial No. 160,363
14 Claims. (Cl. 30—43)



1. A dry shaving implement having a stationary member with parallel longitudinal bores, an intermediate wall into which both bores open, and transverse shearing teeth opening into one side of said bores, reciprocatory cutters in said bores, and means for pressing the cutters toward the openings of the shearing teeth.

2,253,738
CLOSURE FOR TUBES
Karl Totschnig, Berlin, Germany
Application April 9, 1940, Serial No. 328,751
In Germany February 18, 1939
2 Claims. (Cl. 221—60)

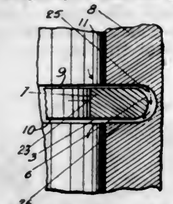


1. In a closure for tubes comprising a tubular body carried by a tube and formed at its outer face with a valve seat, a valve body in the form of a cap embracing the outer portion of said tubular body and formed with an axial opening and bearing on said seat, said tubular body being formed with a cylindrical portion providing a guide for said valve body and a portion of reduced diameter defining a shoulder, a ring fixed internally to said valve body and engaging said portion of reduced diameter, and a coiled spring intermediate said shoulder and ring normally urging said valve body on said seat.

2,253,739
PISTON AND RING
Jay Trexler, Baltimore, Md.
Application May 1, 1939, Serial No. 271,114
2 Claims. (Cl. 309—7)

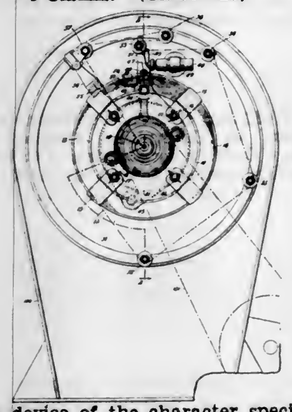
1. The combination of a piston groove of the class described adapted to receive a piston ring and having its inner or peripheral bottom portion curved and its upper and lower transverse sides flat and at right angles to the axis of the piston, and a piston ring mounted in the groove with its rear portion curved on a flatter curve than that

of adjacent bottom portion to provide gradually increasing spacing towards the middle of the surface of the groove and rear surface of the ring and with its upper and lower face surfaces flat and converging slightly from its piston wall en-



gaging side where the ring projects from the groove to provide openings and passages into the groove for the unbroken flow of lubricant therethrough in back of the ring and in front of the groove surfaces.

2,253,740
TORQUE BAND BRAKE
Charles F. Van Hook, Warren Point, N. J.
Application June 26, 1939, Serial No. 281,132
9 Claims. (Cl. 57—18)



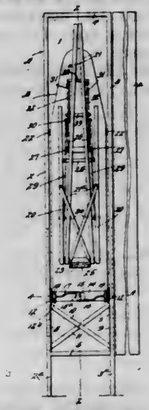
1. In a device of the character specified, the combination with means for holding an advancing wire or cable, of a spool upon which is wound a strip or sheet of material it having its pay out revolvable about the wire or cable, and which strip, or sheet, is adapted to be paid out to the wire or cable upon which it is wound, a brake drum connected to the spool and having an adjustable torque brake band upon it; and a compound float lever; any single adjustment restricting the tension variation on the strip from full to empty condition within the percentage of

$$V=100\left(\frac{D-3}{d+81.2}\right)$$

where D and d are the full and empty diameter of the roll or pad from which the sheet or strip is run off.

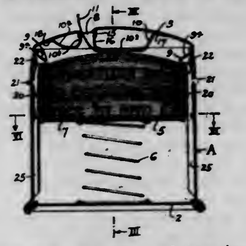
2,253,741
FOLDING IRONING BOARD
John G. Wernli, South Pasadena, Calif.
Application January 9, 1939, Serial No. 250,062
2 Claims. (Cl. 38—127)

1. The combination with an ironing board and a cabinet adapted to contain the board when the latter is in vertical position, said board having folding legs adapted to support it independently of the cabinet, of a vertically movable slide in the lower part of the cabinet, and means for detachably connecting the board to the slide comprising perforated fittings arranged at opposite sides of the slide near its upper end, said fittings having parts below the perforations upon which the rear end of the board may rest while the



board is being placed in the cabinet, a pair of pivot rods mounted on the board near its rear end and extending transversely of the board, and means for moving said rods endwise in opposite directions into or out of the perforations in said fittings to connect the board to or disconnect it from the slide.

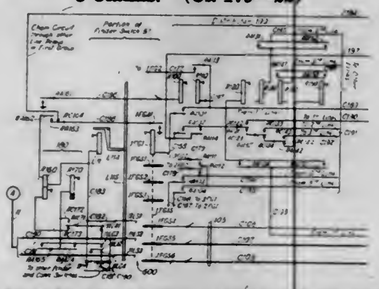
2,253,742
DISPENSER FOR INTERFOLDED PAPER
Wilfred H. West and Lynn W. Moore, San Francisco, Calif., assignors to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of California
Application May 8, 1940, Serial No. 333,953
4 Claims. (Cl. 312—62)



1. A dispenser of the character described comprising a vertically disposed container, a cover for the upper end thereof, said cover having a dispensing opening formed therein and extending crosswise thereof, a spring-actuated follower plate in the container adapted to support a vertically disposed stack of interfolded paper sheets, with one end of the uppermost sheet projecting through the dispensing opening, a plate secured to the under side of the cover at one side of the dispensing opening, said plate engaging the upper end of the stack and maintaining a predetermined spacing between the stack and the dispensing opening, and a second plate secured to the under side of the cover, the ends of said plates adjacent the dispensing opening being rounded to form deflecting surfaces, and the last named plate being elevated with relation to the first named plate to provide addi-

tional space for the free removal and deflection of the dispensing end of a second sheet when a first sheet is being removed.

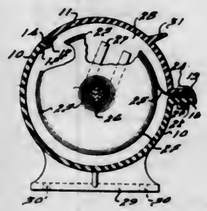
2,253,743
SIGNALING SYSTEM
John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 31, 1938, Serial No. 237,891
8 Claims. (Cl. 179—22)



1. In a signaling system, a group of signal lines, unitary switching apparatus including a finder switch and a connector switch, each of said switches having access to each of said signal lines, a first operating element associated with said finder switch, a second operating element associated with said connector switch, a plurality of operating members, each of said operating members being associated with only one of said signal lines, a link circuit, means controlled by the joint operations of said first operating element and one of said operating members for causing said finder switch to seize in said group of signal lines the signal line corresponding to said one operating member and to connect the seized signal line to said link circuit, impulse responsive means included in said link circuit for selecting any one of said signal lines, means included in said link circuit for causing said second operating element to be operated and for causing the idle or busy condition of the selected signal line to be tested, means included in said link circuit and controlled by said last-mentioned means only in the event the selected signal line is tested idle for causing the one of said operating members corresponding to the selected signal line to be operated, and means controlled by the joint operations of said second operating element and said one operating member for causing said connector switch to seize in said group of signal lines the selected signal line and to connect the seized signal line to said link circuit.

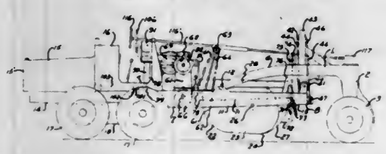
2,253,744
TISSUE DISPENSER
Carl A. Witt, Detroit, Mich.
Application September 25, 1939, Serial No. 296,347
4 Claims. (Cl. 242—55.5)

1. In a dispenser for disposable tissues or the like of a type tearable parallel to the axis upon which the tissue is rolled, means in said dispenser for rotatably supporting a roll of said tissue or the like, the said dispenser having a longitudinally disposed slot therethrough through which tissue may be withdrawn therefrom, a pair of axially disposed lips extending outwardly from said dispenser one at each side of said longitudinally disposed slot therethrough, means normally urging said lips in limited spaced relationship with respect to each other, the said lips having complementary longitudinally disposed deformations therein normally lightly crimping and thereby holding tissue or the like from movement when not being withdrawn from the dispenser and yet permitting said tissue or the like to be withdrawn from said dispenser from between said lips with relative ease, the said lips being formed to grip said tissue or the like when manually urged



together and to present a relatively sharp outer tearing edge against which tissue may be torn after withdrawal from said dispenser, each of said lips having a notch therein opposite a like notch in the other lip across which the said tissue or the like tears on line with the outer edge of said lips whereby to present additional tissue or the like on the roll at said notches easily accessible for withdrawal from the dispenser.

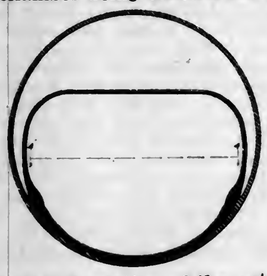
2,253,745
SCRAPER
Carl O. Wold and Carl A. Gustafson, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application August 14, 1939, Serial No. 289,998
4 Claims. (Cl. 37—124)



2. A self-propelled scraper machine comprising a frame including a front section and a rear section pivotally connected to said front section about a horizontal axis for relative vertical movement with respect thereto, adjustable means for effecting relative movement between said sections, propelling mechanism for said machine including an engine and final drive shafting about the axis of which said rear section can pivot, steerable front ground engaging means connected to said front section, rear ground engaging means drivable by said shafting, and a scraper bowl supported by one of said sections.

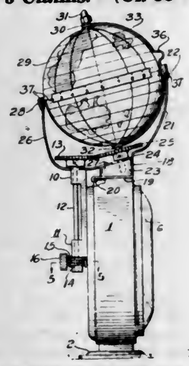
2,253,746
SAFETY TUBE
Charles H. Zimmerman, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application August 3, 1940, Serial No. 350,441
11 Claims. (Cl. 152—339)

9. An inflatable container comprising inner and outer flexible annular chambers having a common base, the inner chamber, comprising at least one layer of cord fabric in the base with the cords in the base arranged at a relatively small angle with reference to the longitudinal center line of the base to thereby permit substantial lateral stretch of the base upon inflation of the inner chamber, and the remainder of the inner chamber being constructed to prevent



any appreciable elongation of the outer periphery thereof under the action of centrifugal force.

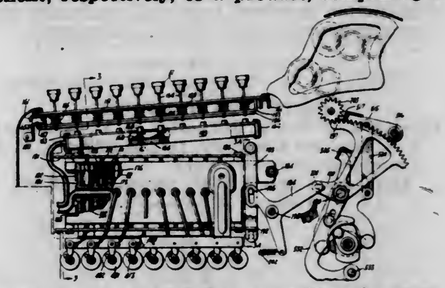
2,253,747
CLOCK AND GLOBE
Maurice Alland, Los Angeles, Calif.
Application July 1, 1940, Serial No. 343,446
3 Claims. (Cl. 58—44)



3. A globe time device for ready attachment to the outer case of clocks comprising a holder block adapted to be attached to the top of the clock case and a bracket adapted to be attached to the rear of the clock case, a globe having a bottom stem with a wheel fixed thereto, said block having a socket to receive the stem, arms extending from the block and supporting an equatorial band around the globe, transmission means supported by the bracket having connection with said wheel and adapted to be connected with a moving part of the clock for the purposes described.

2,253,748
CALCULATING MACHINE
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application September 23, 1935, Serial No. 41,671
7 Claims. (Cl. 235—61)

1. In an electrical calculating machine having a register, and differential actuating mechanism therefor arranged in a series of denominational orders; the combination of ordinal selecting mechanism comprising a plurality of electromagnetic devices in each order thereof associated with the respective orders of said actuating mechanism for controlling the actuation of said register thereby, multiplier setting mechanism, multiplicand setting mechanism arranged in a series of denominational orders, and means for simultaneously energizing a plurality of selected devices in each two adjacent denominational orders of said selecting mechanism in accordance with the tens component and the units component, respectively, of a product, comprising a



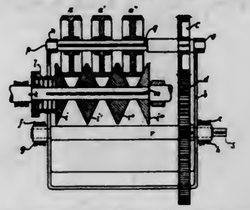
series of groups of tabular connections for energizing said devices, each of said groups being jointly controlled by said multiplier setting mechanism and by a single order of said multiplicand setting mechanism.

2,253,749
BUCKLE
Howard Beazley, Marshall, Mo.
Application December 2, 1940, Serial No. 368,166
6 Claims. (Cl. 24—173)



6. In a device of the class described, a frame attached at one end to the fixed end of a belt, a tongue carried by said frame and movable relatively thereto to engage and disengage the free end of the belt, and a member movable relatively to the frame, said member operating to release the tongue from the belt while the former is under the load strain of the latter.

2,253,750
FRICTION GEARING
Josef Beier, Mannheim-Feudenheim, Germany
Application July 27, 1939, Serial No. 286,794
In Germany July 28, 1938
8 Claims. (Cl. 74—190.5)



1. A friction gearing with, in dependence on the transmitted torque, automatically changing gear ratio, comprising a center gear wheel, a planet gear wheel cooperating with said center wheel, a link member rotatably holding both said wheels and being swingable about the axis of rotation of said center wheel, a pair of axially displaceable counter friction members rotatable about a stationary axis, a friction wheel member coaxially connected with said planet wheel and extending in between said counter friction members, resilient means axially displacing and pressing said counter friction members towards one another and to frictional engagement with the

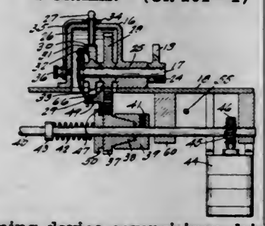
part of said friction wheel member thereinbetween, said friction members having substantially cone shaped frictional engaging surfaces and rotating about axes parallel to one another, the distance of the point of frictional engagement of said friction members from said stationary axis changing upon rotation of said link member.

2,253,751
PHOTOGRAPH MOUNT
Edward G. Belkirch, Rochester, N. Y., assignor to J. S. Graham Company, Inc., Rochester, N. Y., a corporation of New York
Application July 2, 1940, Serial No. 343,586
1 Claim. (Cl. 40—152.1)



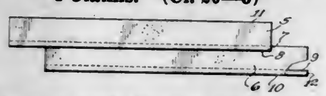
In a photo mount embodying a brace for the support of the top and a strut for the support of the bottom with an elongated pocket provided at the forward end of the strut, the combination of a back panel connected to said brace, a cutout underlay on said back panel, a cutout mask on top of said underlay with its top portion held fixed over the underlay and its bottom portion movable toward and away from the underlay, and means for yieldingly connecting the sides of the elongated pocket for collective engagement of the bottom edges of the back panel, the underlay and the mask into said pocket and for the fixed mounting of a picture between the unattached bottom portion of the mask and the back panel.

2,253,752
TIMING DEVICE
Kenneth E. Bemis, Oakland, Calif.
Application July 24, 1939, Serial No. 286,082
4 Claims. (Cl. 161—1)



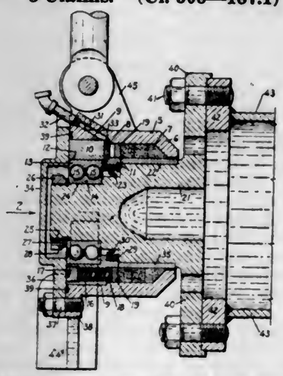
1. A timing device comprising; driving means; a driven gear; a pinion meshing with said gear and a friction clutch for driving said pinion and driven by said driving means and limited as to the degree of urgence to permit manual retraction of said gear; a shaft having said gear rotatably mounted thereon; a manually operable lever fixedly mounted on said shaft, and a latch for latching said lever in a depressed position; a clutch finger fixedly mounted on said shaft and projecting radially; a first cam projecting from one face of said gear for cooperation with said clutch finger for retraction of said gear through operation of said lever; a second cam cooperatively related to said clutch finger and cooperating therewith to release said finger from said first cam following a predetermined degree of retraction of said gear, for initiating a cycle of operation of said timing device; a trigger cooperatively related to said first cam and operatively associated with said latch and actuated by said first cam for releasing said latch and terminating a cycle of operation when said gear has been returned from its retracted position by said clutch; and a spring operatively associated with said lever for returning said lever to its non-depressed position upon termination of a cycle of operation through release of said latch.

2,253,753
BUILDING COVERING
Edward R. Black, Chicago, Ill., assignor to said Edward R. Black, James E. Black, and Elam L. Black, co-partners doing business as Black Systems, Chicago, Ill.
Application April 23, 1938, Serial No. 203,908
4 Claims. (Cl. 20—5)



3. A building covering unit comprising a sheet of flexible prepared roofing material folded intermediate its upper and lower edges along two lines parallel to such edges to form slightly overlapping upper and lower panels and an intermediate interconnecting concealed section therebetween, the upper panel and the interconnecting section projecting laterally beyond the lower panel at one lateral edge of the unit and the lower panel projecting equally beyond the upper panel and interconnecting section at the opposite lateral edge of the unit so as to enable the projecting portions of the upper panel and interconnecting section of one unit to overlie part of the laterally projecting portion of a lower panel of an adjacent unit when two units are laid in horizontal alignment and abutting each other.

2,253,754
SUBMERSIBLE BEARING
Samuel I. Bousman, San Francisco, Calif., assignor to Western Machinery Company, San Francisco, Calif., a corporation of Utah
Application March 17, 1941, Serial No. 383,657
5 Claims. (Cl. 308—187.1)

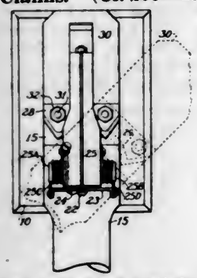


1. A submersible bearing comprising, in combination, an annular body having a cylindrical opening, one end of the body having an inwardly ranging flange, the other end having a rabbet, a ring positioned in the rabbet, the inner surface of the ring having a rabbet for the reception of the outer ball race of a ball bearing, a ball bearing assembly positioned in the last mentioned rabbet, the ring having a plurality of angularly spaced transverse openings, springs positioned in the openings, the outer ends of the openings having threaded plugs forming adjustable spring abutments, a spindle having its end secured within the inner ball race, the spindle having a cylindrical surface of substantially the same diameter as the opening in the inwardly ranging flange, packing material in the annular space between the spindle and the inner wall of the annular body, an abutment ring positioned between the packing and the inner end of the springs, and a removable cover secured to the open end of the annular body, said cover forming means for holding the first mentioned ring and the ball race in position.

2,253,755
ABSORPTION
Gilbert W. Brant, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 1, 1939, Serial No. 287,748
5 Claims. (Cl. 210—42.5)

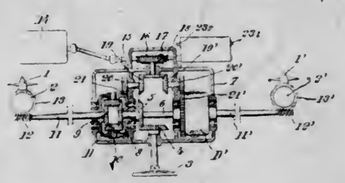
1. In the process of removing water from ethyl alcohol; the steps of mixing the alcohol and regenerated cellulose maintaining them in intimate contact until the water content is reduced below 0.1% by weight and then separating the dried alcohol in the liquid state from the regenerated cellulose.

2,253,756
ELECTRIC SWITCH
Everett C. Brown, Louisville, Ky., assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application August 12, 1940, Serial No. 352,189
4 Claims. (Cl. 200—151)



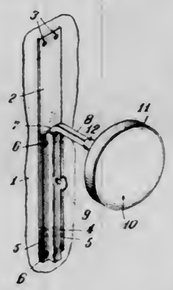
1. A manually operated switch, comprising in combination, a base; a pair of posts mounted on said base in vertical relation thereto; a stationary contact mounted on one of said posts; a contact arm having a contact mounted thereon for engagement with and normally out of engagement with the stationary contact and pivotally mounted on a shaft traversely attached adjacent the top of the other post; a spring operably associated with said other post and said arm for biasing the latter for effecting engagement of the contacts; an operating lever pivotally mounted on the said other post; means mounted on said lever for raising said arm against said spring for effecting separation of said contacts and an arc splitting shield mounted on said lever and disposed for movement between said contacts only when said contacts are separated.

2,253,757
PROPELLER ACTUATED MACHINE
Ettore Bugatti, Paris, France
Application May 16, 1939, Serial No. 274,065
In Luxemburg May 18, 1938
13 Claims. (Cl. 115—35)



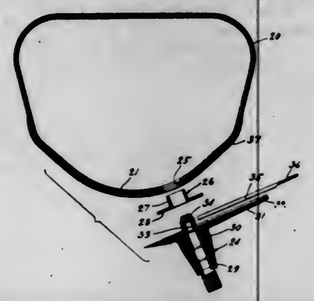
1. A machine which comprises, in combination, at least one group of two propellers respectively adapted to pivot about corresponding axes located symmetrically with respect to each other on either side of the median plane of said machine, two differential gears including each a casing journalled with respect to said machine, and at least two sun wheels and a planet wheel journalled in said casing and cooperating together, mechanical means coupling one of said sun wheels with one of said propellers for causing said last mentioned propeller to turn about its axis above mentioned when said last mentioned sun wheel is rotated with respect to said machine, control means for simultaneously rotating the two other sun wheels of the respective differential gears, and control means for simultaneously rotating the two casings of the respective differential gears, one of said control means being adapted to drive the two elements it rotates both in the same direction and the other control means being adapted to drive the two elements it rotates in opposed directions.

2,253,758
EXERCISING DEVICE
George C. Bulloch, Rockford, Ill.
Application September 16, 1940, Serial No. 356,988
7 Claims. (Cl. 272—57)



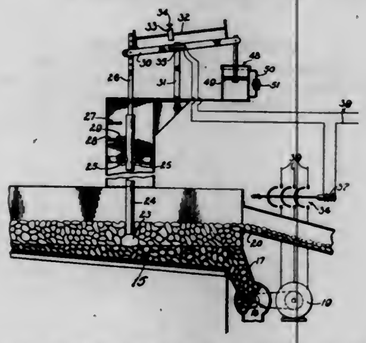
7. An exercising device for the abdomen comprising an abdominal pressure plate, a vertical support, a vertically adjustable supporting arm extending outwardly from said vertical support and means holding said plate on the outer end of said arm in substantially vertical position so as to provide a support for the user when he leans against the plate.

2,253,759
METHOD OF MAKING SAFETY TUBES
Clement J. Burkley, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application January 26, 1940, Serial No. 315,715
16 Claims. (Cl. 154—14)



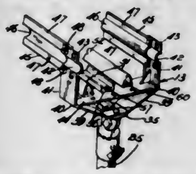
16. The method of forming a plural-chambered inflatable tube comprising the steps of forming a wall of one chamber, forming a valve body with an inner bore and an opening extending from said bore to the outer side of said valve body, inserting a passage forming core member into said opening and applying said valve body to said wall with said core member extending along said wall, molding a passage communicating with said opening and running along said wall by vulcanizing to said wall a quantity of rubber extending from said body in overlying relation with said wall and core member, and thereafter removing said core member.

2,253,760
COAL WASHING APPARATUS
William Burnett, Jr., Marion, Ill., assignor to Peabody Coal Company, Chicago, Ill., a corporation of Illinois
Application July 8, 1938, Serial No. 218,042
5 Claims. (Cl. 209—496)



1. Coal washer apparatus arranged to stratify the coal and refuse therein into layers in accordance with the respective specific gravities of said coal and refuse, said apparatus comprising a member supported for movement in accordance with changes in depth of the refuse layer, a rocker arm having one end connected to said member, a tilt switch mounted on said arm for rocking movement therewith, means for varying the angular relation of said switch with respect to said arm, and means including an electric driving motor controlled by said switch for withdrawing refuse from said refuse layer.

2,253,761
CONVEYER
Willard S. Campbell, Hampshire, Ill., assignor, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware
Application April 1, 1940, Serial No. 327,145
3 Claims. (Cl. 198—204)

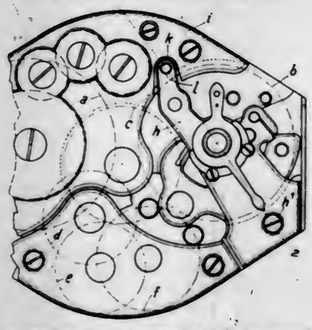


1. In a conveyer, a plurality of spaced legs, a plurality of spaced yokes supported on top of said legs, said yokes having spaced flat sides, each of said sides having a curved portion, spaced flat side rails, each of said side rails having a correspondingly curved portion, said side rails positioned against the sides of said yokes with the curved portions of the rails nesting with the curved portions of the sides of said yokes, and fastening means for removably attaching the side rails to the yokes.

2,253,762
CONTROL OF SLIME AND ALGAE
Thomas S. Carswell, Longmeadow, and Howard K. Nason, Springfield, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 27, 1939, Serial No. 306,290
17 Claims. (Cl. 210—23)

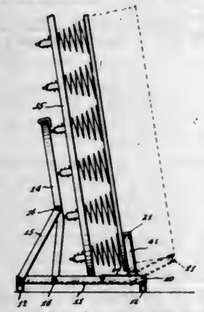
1. An algicide comprising a water-soluble form of a halogenated monocyclic phenol having not less than three halogen atoms in the molecule, two halogen atoms of which are in adjacent positions on the benzene nucleus, which algicide is adapted for the control of algae, protozoa and slime growth.

2,253,763
WATCH MOVEMENT
Henri Colomb, Lausanne, Switzerland
Application October 10, 1938, Serial No. 234,236
In Germany October 13, 1937
4 Claims. (Cl. 58—104)



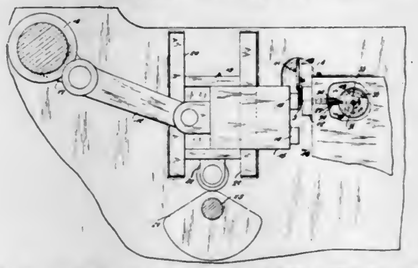
2. In a watch movement and in combination, a frame-work, a balance cock forming one part of said frame-work, a base at one side of and forming a part of said balance cock, a balance bearing on the balance cock, an arm provided on said balance cock and extending from said balance bearing in a direction opposite to said base, a first orientating element on said arm, a second orientating element in the other part of said frame-work exactly fitting said first orientating element, at least one third orientating element on said base, on the other part of the frame-work at least one fourth orientating element fitting exactly said third orientating element, and fastening means adapted to fasten the base of said balance cock to the other part of said frame-work.

2,253,764
DISPLAY STAND
Elmer J. Condon, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana
Application November 2, 1939, Serial No. 302,496
10 Claims. (Cl. 211—28)



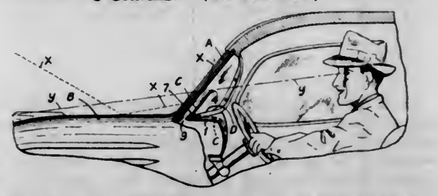
1. A display stand for a bed spring, comprising a base, a support extending upwardly from said base near the rear thereof, a pair of links pivoted to the ends of the base on a common horizontal axis and adapted to extend forwardly of said support, a retaining member pivotally connected to the free ends of said links, said base being provided adjacent the free ends of said links with openings, and said retaining member having projections adapted to be received in said openings to hold the retaining member in fixed position projecting upwardly from the base to overlie the front face of a bed spring resting against said support.

2,253,765
MACHINE FOR MAKING CLINCH NUTS
John R. Cox, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio
Application August 3, 1933, Serial No. 222,754
6 Claims. (Cl. 10—78)



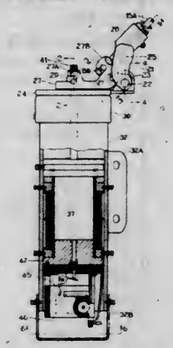
1. A unitary machine for making clinch nuts, comprising a stationary die, means for supplying slugs of metal thereto, a companion die member adapted for co-operation therewith in forming a slug into a nut body and simultaneously forming a clinching flange thereon, a second companion die member adapted to engage the clinching flange to permit punching of the nut body from the opposite side thereof and while held in said stationary die, means carried by said stationary die for performing the punching operation, means for successively positioning said companion die members with respect to said stationary die, and operating means therefor.

2,253,766
EYE PROTECTING MEANS FOR VEHICLES
William de F. Crowell, St. Louis, Mo.
Application April 27, 1939, Serial No. 270,293
3 Claims. (Cl. 296—97)



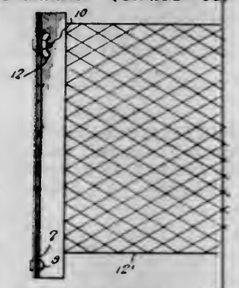
1. In a vehicle, the combination of a body provided with a cowl portion, a wind shield on said cowl portion that slopes upwardly and rearwardly, said cowl portion being provided with a slot or guideway extending downwardly from the top side of the cowl at the rear side of said wind shield, an eye protecting member made of opaque material adjustably mounted in said guideway and adapted to be adjusted upwardly more or less into a position behind the wind shield, for the purpose described, and a friction means for preventing accidental movement of said eye protecting member relatively to its guideway.

2,253,767
TROLLEY POLE ACTUATOR
Thomas E. Davies, Nemacolin, Pa.
Application April 15, 1939, Serial No. 268,045
4 Claims. (Cl. 191—88)



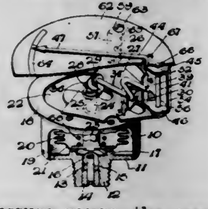
1. In an electrically operated vehicle, having in combination, a trolley conductor; a trolley pole pivotally secured to a base mounted on said vehicle; a current collector secured to the said pole; a lever fulcrumed on said base; a spring disposed between said pole and one arm of said lever for yieldingly retaining the collector in engagement with the said conductor when said spring is under tension; an electro-magnet associated with the other arm of said lever; said spring, when actuated by current flowing in said electro-magnet in response to contact engagement of the collector with the conductor operates the said electro-magnet and tensions said spring.

2,253,768
CLAMP FOR WIRE FABRIC STRETCHERS
John E. Dopson, Jacksonville, Ga.
Application April 9, 1941, Serial No. 387,775
3 Claims. (Cl. 254—83)



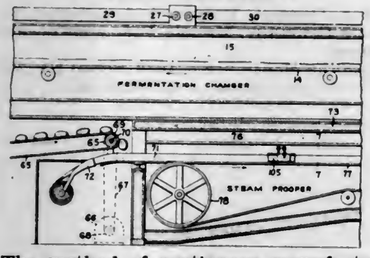
1. A clamp for wire fabric stretchers, comprising generally similar inner and outer clamp members, each consisting of a length of angle iron and adapted to be arranged in nested relation and drawn together for gripping the angular end of a length of wire fencing preparatory to stretching the latter, one flange of the inner clamping member having an angular slot near one end thereof opening through the free longitudinal edge of the same and further having an aperture in said flange near the other end, the outer clamping member having an inwardly projecting headed pin on one flange thereof near one end of said flange and adapted to be removably engaged in said slot of the inner clamping member, the said flange of the outer clamping member also having an opening adapted to be registered with the opening in the flange of the inner clamping member, and a bolt adapted to pass through said openings, of the clamping members when registered and further adapted to receive a nut whereby the clamping members may be tightly drawn together for clamping the end of the wire fabric.

2,253,769
PRESSURE GAUGE
John E. Dube, Knoxville, Tenn., assignor to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application July 27, 1938, Serial No. 221,583
4 Claims. (Cl. 73—110)



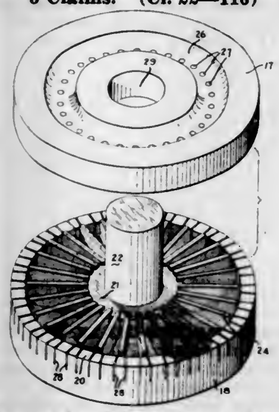
1. In a pressure gauge, the combination of a flexible wall adapted to be subjected to the pressure to be gauged, a post connected to said flexible wall and movable therewith, a base plate provided with a pair of aligned lugs bent angularly therefrom, one of them being apertured and the other slotted to provide spaced bearings, a crankshaft projected through said aperture and retained in said slot, means on said base plate bearing laterally on said crankshaft to retain said crankshaft in said slot, said crankshaft being provided with laterally bent offset portions at the opposite extremities thereof projecting beyond said bearings for respectively cooperating with said post and a pointer element, a pointer element directly engaged with and movable by said crankshaft, and dial means with which said pointer element cooperates.

2,253,770
METHOD OF CONTINUOUSLY MANUFACTURING BREAD
James T. Duffy, Jr., York, Pa., assignor to Read Machinery Co., Inc., York, Pa., a corporation of Pennsylvania
Application April 5, 1940, Serial No. 327,937
2 Claims. (Cl. 107—54)



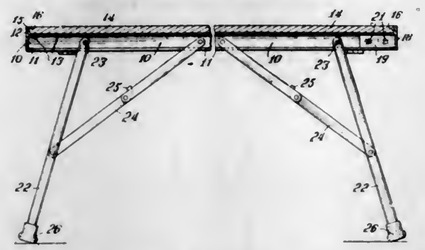
1. The method of continuous manufacture of bread in the form of a strip which comprises providing a supply of unfermented bread dough, continuously extruding the unfermented dough to form a strip, continuously moving the continuous strip of dough through a controlled atmosphere to cause progressive fermentation of the dough, dividing the strip of fermented dough into lumps of a predetermined size, moulding the individual lumps of dough into ball form with a skin thereover, continuously conveying the lumps of dough through a controlled proofing atmosphere at such a rate of speed that the lumps of dough increase in size to such an extent as to merge with one another to form a continuous strip, and then continuously moving the continuous strip through a baking atmosphere and progressively baking said strip without disturbing the continuity thereof.

2,253,771
APPARATUS FOR FABRICATING THERMOELECTRIC GENERATORS
Paul L. Dulaney, Cincinnati, Ohio, assignor to The Huenefeld Co., Cincinnati, Ohio, a corporation of Ohio
Application August 2, 1940, Serial No. 349,995
5 Claims. (Cl. 22—116)



1. Apparatus for fabricating a thermoelectric generator, said apparatus comprising a mould including an outer annular rim and an inner annular rim, radial partitions extending between the said rims and connected to at least one of said rims and spaced from one another to leave wedge-shaped openings for receiving a thermoelectric alloy, said partitions being so arranged with respect to said cylinders as to accommodate an electrical conductor, one end of which projects into one end of one of said openings and the other end of the conductor projects into the opposite end of the adjacent opening, whereby the ends of the conductor are cast into adjacent blocks of alloy and the blocks are connected in series to constitute a thermoelectric generator.

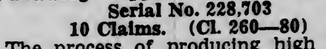
2,253,772
PAPER HANGER'S TABLE
Fred E. Edgren, Chicago, Ill.
Application July 24, 1939, Serial No. 286,182
4 Claims. (Cl. 311—90)



4. A paper hanger's table of the character described composed of two top sections and a pair of continuous metallic frames each formed to constitute one end and two longitudinal sides with their inner faces adjacent the upper edges bent downwardly to provide table top gripping flexible flanges, a metallic end piece for each frame having angularly disposed extensions at the ends adapted to lap the longitudinal sides of the frames beneath the top holding flanges thereof and to be removably secured thereto, the frames being of vertical dimensions greater than the thickness of the tops to extend therebeneath with their lower edges provided with inwardly disposed rigidifying surfaces, the adjacent sides of the two frames on their lower edges being hingedly connected together to permit the two frames with their tops to fold into back-to-back relation to form a compartment therebetween; a pair of supporting elements hingedly connected to the outer unconnected sides of each frame so as to fold into substantially parallel relation with the frames; and means for locking said elements in table supporting position.

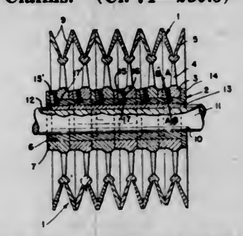
2,253,773
TREATING, ESPECIALLY SOFTENING, CELLULOSIC TEXTILE MATERIALS
Kurt Engel, St. Louis, Haut-Rhin, France, and Kurt Pfaehler, Basel, Switzerland, assignors to the firm J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application April 14, 1938, Serial No. 202,138. In Switzerland April 20, 1937
6 Claims. (Cl. 28—1)

1. A process for softening cellulosic materials, which comprises treating the said cellulosic material with an aqueous bath containing as its essential active ingredient a water-soluble derivative of urea bearing at one nitrogen atom of the said urea molecule a high molecular alkyl radical with at least six carbon atoms and bearing at the other nitrogen atom of the said urea molecule the radical —X.Y wherein X means one of the group consisting of



and phenyl and Y means a quaternary nitrogen atom.

2,253,774
SHEAVE
Christian L. Eppler, Detroit, Mich., assignor to Midwest Tool & Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 16, 1939, Serial No. 299,750
4 Claims. (Cl. 74—230.8)



1. A sheave unit comprising a bushing having a transverse recess, a sheave having a hub, a web and a peripherally grooved rim, said hub having a transverse opening with its axis inclined to the axis of the recess in said bushing and a member for securing said sheave to said bushing, said member being secured in the opening and having wedging engagement with the wall of the recess.

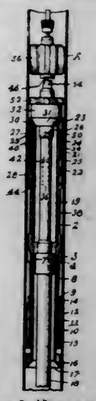
2,253,775
POLYMERIZATION PRODUCTS CONTAINING SULPHUR DIOXIDE AND PROCESS FOR PRODUCING THE SAME
Frederick E. Frey and Robert D. Snow, Bartlesville, Okla., and Louis H. Fitch, Jr., deceased, late of Bartlesville, Okla., by First National Bank of Bartlesville, administrator, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application September 6, 1938, Serial No. 228,703
10 Claims. (Cl. 260—80)

1. The process of producing high molecular weight heteropolymeric products which comprises reacting sulfur dioxide with an unsaturated organic compound of the group consisting of esters of acrylic acid, acrylic acid, allylacetic acid and undecylenic acid.

2,253,776
DEEP WELL APPARATUS
Ray B. Gaunt, Kansas City, Mo.
Application November 7, 1938, Serial No. 239,237
14 Claims. (Cl. 103—219)

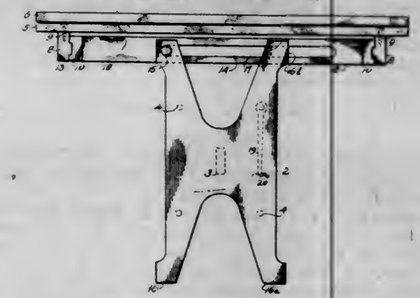
1. An apparatus of the character described comprising a barrel adapted to be lowered into a well casing, a member vertically slidable in said barrel and projecting from the upper portion thereof, means for limiting said slidable movement, a plurality of expansible packers freely mounted upon the projecting portion of said member, expanders slidably mounted upon the first-mentioned member and adapted to expand the respective packers into sealing engagement with the casing when the first-mentioned member is forced downward in the barrel, and

means operably connecting said expanders to the first-mentioned member whereby when the lat-



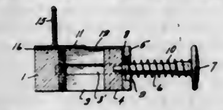
ter is pulled upward the expanders will be successively disengaged from the packers.

2,253,777
CONVERTIBLE TABLE
Allen Gipson, New York, N. Y.
Application October 18, 1940, Serial No. 361,683
2 Claims. (Cl. 311—3)



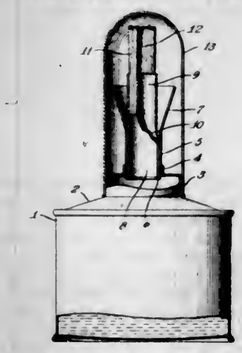
1. An article of furniture convertible from a relatively high table into a relatively low table, and vice-versa, comprising a top-frame including longitudinally slotted frame-members; a table-top carried by said top-frame; and a movable base-frame having slidable and rotatable connection with said top-frame, the said base-frame having relatively long sides and adjacent shorter sides adapted to levelly support the top-frame and table-top, and conformed to provide selectively a relatively high support and seat for the top-frame when placed up-ended upon its short side, and a relatively low support and seat for the top-frame when placed lengthwise upon its long side, the said base-frame being provided with bearing-members in slidable and pivotal engagement with the slots in the top-frame members, said bearing-members being so constructed and positioned with reference to the mass center of the base frame that the substantially level-held table-top and top-frame can be lifted and maintained substantially level by the operator, the base frame being thereby initially tilted and subsequently quarter-turned with reference to the table-top and top-frame concurrent with the sliding and pivotal travel of the said bearing members in the slots of the top-frame members, the conversion being concluded by seating the table-top and top-frame upon the upper side of the quarter-turned base-frame.

2,253,778
CIGARETTE EXTINGUISHER CONSTRUCTION
James C. Goodson, Atlanta, Ga.
Application January 31, 1939. Serial No. 253,869
12 Claims. (Cl. 131—237)



1. A cigarette extinguisher comprising a pair of jaws having upper and lower ends for crushing the burning end of a cigarette, and a knife blade carried by the upper end of each jaw and adapted to cooperate when said jaws are brought together to sever said end from the unburned portion of the cigarette.

2,253,779
FOUNTAIN APPLICATOR
Julián Gutiérrez, Habana, Cuba
Application July 22, 1940, Serial No. 346,855
In Cuba March 13, 1940
9 Claims. (Cl. 91—67.2)

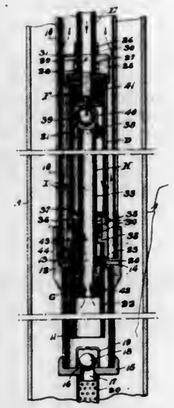


1. An applicator for the contents of a container, comprising a brush including a ferrule, bristles secured to the ferrule, means for mounting the ferrule with respect to the container for the passage of the contents of the latter within the ferrule, and said ferrule having an outlet opening between its ends and an exteriorly arranged recess extending longitudinally thereof from the opening to the outer end of the ferrule for directing the contents to the bristles.

2,253,780
HYDRAULIC PUMPING UNIT FOR DEEP WELLS
Arnold M. Gurley, Fort Worth, Tex.
Application October 30, 1939, Serial No. 302,035
12 Claims. (Cl. 103—46)

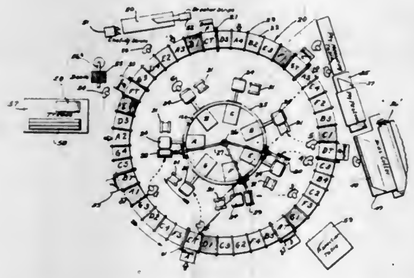
1. A deep well pump for oil wells and the like, including a casing extending into the well, having a seat near the bottom thereof, a working barrel detachably mounted within the casing and resting upon the seat and having an extension projecting below the seat, said working barrel being provided with a fluid operated pumping member and having inlet and outlet means, an unobstructed string of tubing connected to said working barrel and communicating at all times with said pumping chamber and providing means for withdrawing the working barrel from the casing, and means whereby on the application of a lifting force to the tubing in the withdrawal

of said tubing and working barrel from the well any fluid in said tubing is allowed to pass into



the casing, thus reducing the lifting force required.

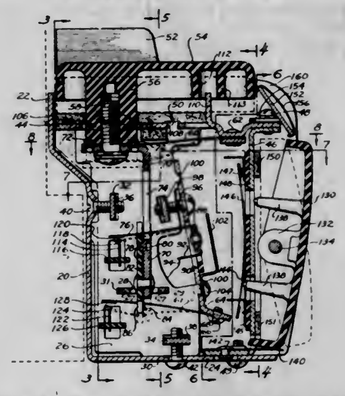
2,253,781
TIRE BUILDING APPARATUS AND METHOD OF BUILDING TIRES
Jorgen I. Haase, William W. McMahan, and Charles J. Roese, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application May 13, 1937, Serial No. 142,418
46 Claims. (Cl. 154—10)



4. In a tire-building apparatus, the combination with a series of fixed tire-building machines arranged in a circular formation, and a movable annular conveyor for supplying materials to said machines having material-receiving supports spaced substantially uniformly thereabout in substantially a single plane, each support carrying a different component part of the tire than the preceding support.

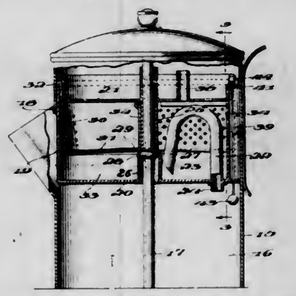
23. In a method of building tires on a series of tire-building machines which are arranged in a defined path substantially equally spaced from each other, the steps of moving a line of tire-component materials with a continuous motion past said machines in groups, and within easy reach of the operators at the machines, each of the groups containing substantially all of the component elements of the tire and each group bearing the same relation to an adjacent machine as other groups during the movement of said groups along their path of movement.

2,253,782
KEYBOARD FOR ELECTRICAL MUSICAL INSTRUMENTS
Laurens Hammond, Chicago, and George H. Stephens, Glencoe, Ill., assignors to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application May 7, 1940, Serial No. 333,824
13 Claims. (Cl. 84—423)



1. In a keyboard for an electrically controlled musical instrument, the combination of a plurality of keys, an actuator secured to each of said keys, a pair of leaf springs extending in a direction perpendicular to the direction of movement of said keys, each of said leaf springs having one end which is rigidly held and the other end secured to said key and actuator respectively, whereby said key will be capable of substantially rectilinear translatory movement upon depression thereof and be restored by said springs, and contact switches operated by said actuator.

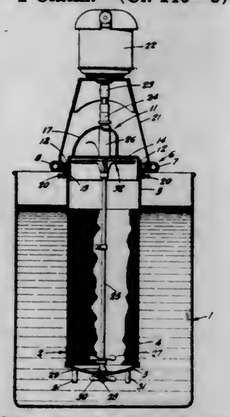
2,253,783
SIPHONING COFFEE MAKER
Brooks B. Harding, Freeport, N. Y.
Application April 4, 1938, Serial No. 200,011
9 Claims. (Cl. 53—3)



1. In an infusion vessel, an upper chamber for infusing material adapted to be filled with liquid, a lower liquid storage chamber, a fountain tube extending up through the upper chamber to the upper portion thereof adapted to feed a continuous stream of liquid from the lower chamber for infusion in the upper chamber, and a periodically operative siphon tube having an inlet end in the lower portion of the upper chamber and an outlet end extending below the upper chamber into the lower liquid storage chamber adapted to discharge to the lower chamber liquid accumu-

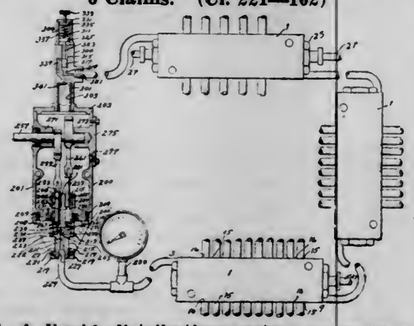
lating in the upper chamber said inlet end being formed with an opening extending at a substantial angle to the horizontal.

2,253,784
APPARATUS FOR TREATING FRUITS AND VEGETABLES
Wallace Curtis Hill, Pomona, Calif.
Original application December 24, 1934, Serial No. 759,009. Divided and this application April 19, 1937, Serial No. 137,812
1 Claim. (Cl. 146—3)



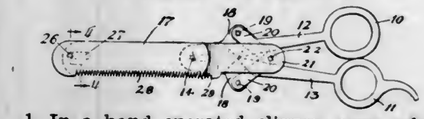
In a machine for treating fruit and the like, a shredding disc having cutters thereon for cutting thin slices from fruit resting against the surface of said shredder, a shaft mounting said disc for rotation about a vertical axis, a receptacle disposed below said disc to receive the cut fruit and the fluids liberated therefrom by said disc, said receptacle having a bottom and perforated side walls, a tank disposed around said receptacle for holding a supply of liquid medium to absorb the fluids released from said cut fruit, a power shaft for rotating said disc, said shaft extending through the bottom of said receptacle, and impellers on said shaft above and below said bottom for agitating the liquid medium in said tank.

2,253,785
FLUID DISTRIBUTING SYSTEM
David R. Hillis, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Devices, Inc., Detroit, Mich., a corporation of Michigan
Application December 19, 1936, Serial No. 116,773
6 Claims. (Cl. 221—102)



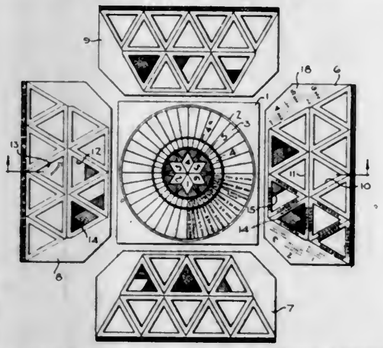
1. A liquid distributing system comprising, a pump, a casing having a single liquid inlet adapted to receive liquid under pressure from said pump, a single exhaust port for exhausting liquid by-passing through said casing, said casing including a liquid dispensing measuring means having a plurality of dispensing ports and means for controlling liquid under pressure to said measuring means and for operating the same, said control means being adapted to continuously receive liquid under pressure from the pump through said casing inlet and to be operated continuously by the pressure of the liquid so received and to continuously by-pass a portion of the liquid out of said single exhaust port, and means for regulating the rate of fluid delivery from said pump.

2,253,786
TONSORIAL DEVICE
Joseph J. Hollander, Chicago, Ill.
Application January 16, 1939, Serial No. 251,114
3 Claims. (Cl. 30—211)



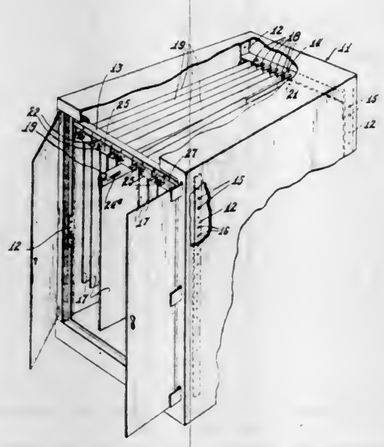
1. In a hand operated clipper, arms adapted to be spread and brought together commonly pivoted to a fixed cutting member, a movable cutting member adapted to move upon said fixed member parallel therewith and relative thereto, means linking said arms to said movable member for imparting thereto said parallel motion, said means comprising a pair of links each having an end pivoted upon said movable blade and the opposite end pivoted to one of said arms.

2,253,787
GAME
James C. Kelly, St. Paul, Minn.
Application September 15, 1938, Serial No. 230,067
2 Claims. (Cl. 273—138)



1. A game device for use in a game apparatus having a playing field adapted for play by a plurality of individual players and, a pair of dice, one of said dice having a distinguishing characteristic from the other of said dice, said device comprising manually settable determining means including a pair of concentric discs pivoted to the base member, one of said discs being divided in a plurality of numbered segments equal to the number of faces on one of said dice, each of the divisions on the face of said discs spanning a plurality of numbered divisions on the second disc equal to the number of faces on the second of said dice, one of said discs having a characteristic associated with one of said dice, and a plurality of spaces on said base member associated one with each of said divisions on the second disc, each of said spaces bearing a game determining characteristic.

2,253,788
FILING EQUIPMENT
Emil Kern, Long Island City, N. Y., assignor to Acco Products, Inc., Long Island City, N. Y., a corporation of New York
Application December 31, 1938, Serial No. 248,693
5 Claims. (Cl. 45—2)

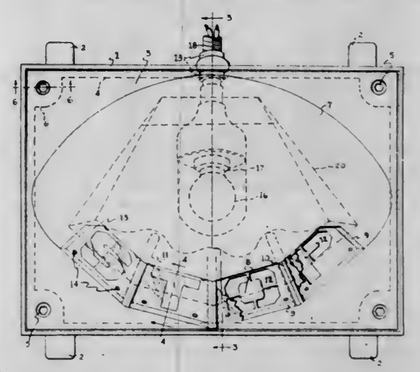


1. In a filing device, a pair of vertically adjustable supports, a plurality of substantially horizontally extending rods mounted loosely at one end in one of said supports, means in the other support each to receive and support the free end of one of said rods, the free ends of said rods being adapted to be disengaged from the supporting means, sheet suspension members one slidable on each rod and means on the free end of each rod to prevent inadvertent sliding of the suspension member off said rod while said end is disengaged.

2,253,789
DERIVATIVES OF FLUORANTHENE AND PROCESS OF MAKING SAME
Walter Kern, Sissach, and Theodor Holbro and Richard Tobler, Riehen, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application September 6, 1938, Serial No. 228,687. In Switzerland September 14, 1937
15 Claims. (Cl. 260—276)

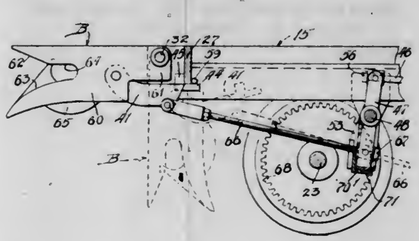
1. Process for the manufacture of derivatives of fluoranthene, comprising causing halogen substitution products of fluoranthene to react with vattable compounds containing at least three condensed six-membered rings of carbon atoms, further at least one carbonyl group the carbon atom of which is a member of a six-membered ring as well as at least one amino group selected from the class consisting of primary and secondary amino groups directly attached to a carbon atom of the condensed ring system.

2,253,790
PAVEMENT TRAFFIC SIGNAL
Frank W. Kline, Detroit, Mich., assignor of one-half to Hackett Brass Foundry Company, Detroit, Mich., a corporation of Michigan
Application September 23, 1938, Serial No. 231,318
8 Claims. (Cl. 177—329)



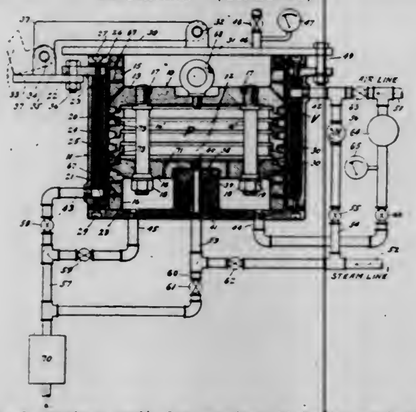
1. In a pavement signal, a casing comprising a base adapted to be embedded in a pavement and a hollow dome adapted to project above the pavement, such dome having a recess in its exterior face adjacent to said base, and having a symbol-forming aperture opening from said recess to the dome interior, a translucent cover for said aperture fitted in said recess substantially flush with the exterior face of the dome, and a member within the dome having a reflecting surface registered with said aperture.

2,253,791
VEHICLE WHEEL LOCK
Lawrence J. Kline, La Grange, and John J. Sichman, Chicago Heights, Ill., assignors to The Mercury Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 25, 1939, Serial No. 252,754
13 Claims. (Cl. 188—119)



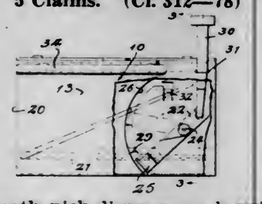
7. In combination with a wheeled vehicle, a coupling member movably mounted at one end of the vehicle for movements to coupling and non-coupling positions, means movable into active and non-active positions for respectively opposing and enabling movements of the vehicle, a connection between said coupling member and said means for actuating the latter in response to movements of the former, and means normally latching said first means in non-active position when the coupling member is moved to one of said positions.

2,253,792
APPARATUS FOR CURING BELTS
William H. Leavenworth, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 13, 1937, Serial No. 125,587
14 Claims. (Cl. 18—6)



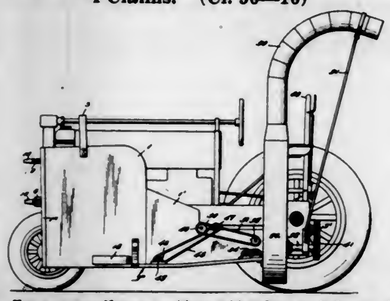
1. A curing unit for curing V-belts and the like which comprises an arbor formed of a series of rings having cooperating portions forming annular recesses when said rings are assembled axially, means for holding said rings in assembled axial relation, a curing chamber having a peripheral flexible diaphragm interiorly thereof and arranged to lie over the recesses in the arbor when said arbor is arranged within said chamber, means for introducing fluid under pressure behind said diaphragm to force the same inwardly against said arbor and to confine articles arranged within said recesses firmly within said recesses during the curing operation, and means for introducing fluid under pressure to the other side of said flexible diaphragm to release the same from the surface of said arbor and the articles arranged within the recesses thereof, whereby removal of said arbor from the chamber may be effected.

2,253,793
SANITARY TOOTHPICK DISPENSER
Eugene E. Leimer, Chicago, Ill.
Application July 6, 1940, Serial No. 344,277
5 Claims. (Cl. 312—78)



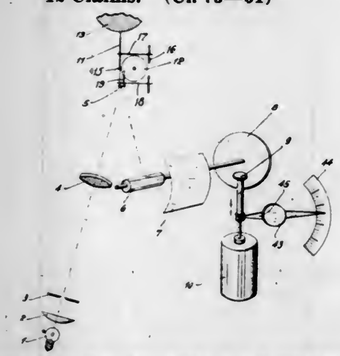
1. In a tooth-pick dispenser, a housing having an inclined floor, a wall at the lower end of the floor, a trough at the juncture of the floor, and wall, said housing having an elongated slot in an upper part thereof, a gravity actuated closure lid for the slot, an arm rockably mounted on the wall, said wall having a slot extending from the base of the housing in an upward direction, a bill on the arm adapted to traverse said last named slot, the trough having an opening for passage of the bill, a stop means on the wall for a tooth-pick engaged by the bill and elevated thereagainst, said stop means being positioned adjacent the upper end of the last named slot, and lever means for actuating the arm.

2,253,794
ENSILAGE CUTTER ATTACHMENT FOR TRACTORS
Raymond H. Lindholm, George West, Tex.
Application March 22, 1940, Serial No. 325,457
4 Claims. (Cl. 56—16)



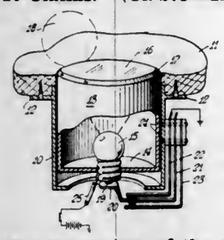
1. In an ensilage cutter attachment for a tractor provided with two take-off shafts, such attachment including gathering means, cutting means, conveying means and chopping means, means for actuating the gathering means, cutting means and conveying means from one take-off shaft and means for actuating the chopping means from the second take-off shaft.

2,253,795
OSCILLATION SCANNING AND MEASURING APPARATUS
Heinrich List, Berlin-Lichterfelde, Germany
Application June 8, 1938, Serial No. 212,617
In Germany April 28, 1937
12 Claims. (Cl. 73—51)



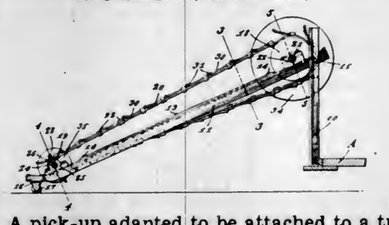
1. A mechanical oscillographic apparatus for visually recording movement of an oscillating body which apparatus comprises a first light-reflecting surface mounted to turn about one axis, a light source, a second reflecting surface mounted to rock about an axis at right angles to the said one axis and arranged between the light-source and said first reflecting surface to reflect a beam of light from said light source to said first reflecting surface, said first reflecting surface also being arranged to reflect said reflected beam from said second reflecting surface along a path at right angles thereto, a viewing surface mounted in the path of said reflected beam from said first reflecting surface, a power source, mechanism drivably connecting said power source to said first reflecting surface for turning it about its said one axis at a uniform rate, detector means for drivably connecting said second reflecting surface to the oscillating body, a relatively heavy mass movably mounted in proximity to said second reflecting surface, a supporting connection extending from said mass to said second reflecting surface and a resilient connection between said detector means and said mass, which connection tends to move said mass in unison with displacement of said detector means.

2,253,796
BALL OBJECTIVE
Callard Livingston, Chicago, Ill., assignor to Chicago Coin Machine Mfg. Co., Chicago, Ill., a corporation of Illinois
Application February 29, 1940, Serial No. 321,385
10 Claims. (Cl. 273—118)



1. In a game apparatus, of the type including a ball playing surface, a ball objective including a translucent member and means mounting the same for movement relative to said surface from a normal position in which the translucent member is substantially flush with the surface to a position inwardly of the surface under the weight of a ball on said translucent member, a control device cooperable with said translucent member and actuated by the movements of the latter into and out of normal position as aforesaid, together with means yieldably urging said translucent member into normal position, and a source of light arranged to illuminate said translucent member from a direction behind said surface and operably controlled by said control device to vary the illumination of said translucent member when the same is engaged by a ball to operate the control device as aforesaid.

2,253,797
GRAIN PICKUP FOR COMBINES
Edward G. Melroe, Cogswell, N. Dak.
Application December 9, 1940, Serial No. 369,188
15 Claims. (Cl. 56—364)

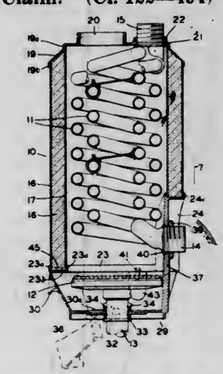


1. A pick-up adapted to be attached to a traveling harvester comprising an endless conveyor consisting of at least one flexible endless belt trained over upper and lower rollers, means for supporting said conveyor in a downwardly and forwardly inclined position with the lower end thereof in close proximity to the ground, and a plurality of flexible pick-up fingers individually attached at one end directly to said endless belt, and means for driving the conveyor with the upper run traveling upwardly and rearwardly to cause the pick-up fingers to pick up a windrow and convey it to the harvester as the latter is drawn over the field, the flexibility of the belt adjacent the points of attachment of the fingers thereto augmenting the flexibility of the fingers.

2,253,798
PROCESS FOR THE MANUFACTURE OF PARTIALLY REDUCED POLYCARBONYL COMPOUNDS OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES
Karl Miescher, Riehen, and Werner Fischer, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application November 25, 1938, Serial No. 242,414. In Switzerland December 24, 1937
8 Claims. (Cl. 260—397.4)

1. A process for the manufacture of partially reduced polycarbonyl compounds of the cyclopentanopolyhydrophenanthrene series which comprises causing polycarbonyl compounds of the said series to react with a member of the group consisting of primary and secondary alcohols in the presence of an alcoholate of a member of the group consisting of aluminium and the alkaline earth metals and their halides, which alcoholate is of catalytic effect, said reaction being effected in the absence of nascent hydrogen.

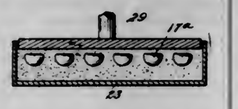
2,253,799
WATER HEATER
Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 11, 1938, Serial No. 201,215
1 Claim. (Cl. 122—494)



In a water heater having a water heating element enclosed in a casing and a burner beneath said element and in which said element has a water inlet pipe at one side near the bottom and has a water outlet pipe at the top, a casing comprising spaced sheet metal cylinders of different diameters set concentric to provide an annular space between them, heat insulation between said cylinders, the inner of said cylinders being of a diameter to pass over said water heating element, a top member abutting the upper ends of said cylinders and there closing said insulation space, a bottom ring member generally

C shape in plan and having upstanding end portions, a bottom member generally inverted U shape in elevation with the legs of the U shape alined with the end portions of said C shape, said bottom members abutting the lower ends of said cylinders and there closing said insulation space, said U shape member having a web substantially closing the opening between the legs and having a recess adapted to embrace the upper side of said water inlet pipe, means securing said top and bottom members together, a burner-chamber-forming member secured to said C shape member, and a part supported rigidly with said last named member and engaging the lower side of said inlet pipe.

2,253,800
MEDICINAL LOZENGE AND PROCESS OF PRODUCING THE SAME
Elizabeth Myers, Mount Vernon, Julius Alsberg, Tompkins Corners, and Adolph Gottfurcht, Brooklyn, N. Y.; said Alsberg and said Gottfurcht assignors to said Myers
Application January 3, 1936, Serial No. 57,346
9 Claims. (Cl. 167—82)



2. The method of producing a lozenge of the character described which includes emulsifying an oleaginous substance in a continuous phase containing sugar to form a plastic core, coating said plastic core with powdered sugar, shaping said sugar coated core in a mold composed of sugar, and forming a crystalline film from said sugar about said core by aging the same in said mold.

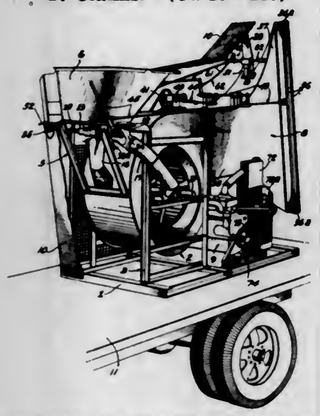
8. An article of the character described including petrolatum dispersed in an aqueous phase containing substances including sugar in quantity substantially less than that of the petrolatum to slightly sweeten the same and constituting a viscous mass, said mass being molded to shape and constituting a core or body, and a relatively hard, thin, uniform coating enclosing said viscous core and serving to hold the core to produced shape, said coating having a composition rendering the same soluble to a degree commensurate with the dispersiveness of the core.

2,253,801
PNEUMATIC UPHOLSTERY
Charles H. Neal, Venice, Calif.
Application August 22, 1938, Serial No. 226,045
2 Claims. (Cl. 5—348)



1. A pneumatic upholstery, comprising a plurality of tubular casings, each formed of a pliable strip of material having its free edges stitched together, the said tubular casings being secured together intermediate their stitched edges by longitudinal rows of vertically spaced stitching, a pneumatic tube within each of said casings, and an upper and lower flap closing the ends of the series of tubular casings and having their inner edges detachably secured together.

2,253,802
INSECTICIDE DISPENSER
William H. C. Ness and James F. Holmes, Los Angeles, Calif., assignors to National Cornice Works, Los Angeles, Calif.
Application August 3, 1940, Serial No. 350,905
17 Claims. (Cl. 43—148)

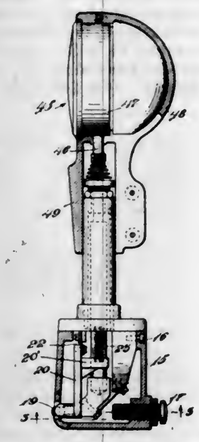


1. A dispenser for treating rows of trees by expelling a powdered insecticide under a forced draft, consisting of a dispensing unit, a power unit for operating said dispensing unit, a common base whereon said units are mounted, said dispensing unit comprising a centrifugal blower provided with a housing having an intake and discharge opening, framework attached to said base for supporting said blower, a fishtail shaped tunnel fitting having the tunnel portion thereof detachably fastened to the discharge side of said blower, a hopper for containing a powdered insecticide, framework for supporting said hopper in a rearwardly elevated relation to said housing, a conduit having an intake and a discharge for conducting said insecticide from said hopper into said blower, said conduit having its discharge end opening into the intake of said blower and its intake end mounted in spaced relation to an opening in the floor of said hopper, means for graduating the flow of insecticide from said hopper to said conduit, means for by-passing a portion of the draft created by said blower from said housing into said conduit at a point subjacent the opening in the floor of said hopper whereby to augment the force of gravity and suction produced at the discharge end of said conduit by said blower in conducting said insecticide through said conduit into said blower, said fishtail shaped fitting comprising vertically extending fishtail shaped wings provided with a vertically extending discharge slot running from top to bottom of each wing, said wings extending rightwardly and leftwardly from the tunnel portion of said fitting, flippers pivotally mounted upon said wings at their extremities adjacent the discharge slot thereof, and means to operate said flippers.

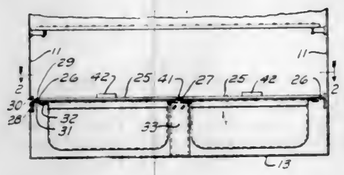
2,253,803
GAUGE
Barnes Newberry, Narragansett, R. I., assignor to Federal Products Corporation, a corporation of Rhode Island
Application December 6, 1940, Serial No. 368,826
6 Claims. (Cl. 33—172)

1. In a gauge, a tubular body, a rod centrally located in the hollow body and out of contact therewith and provided with an abutment at its

end, a spring encircling said rod and engaging said abutment at one end, and means supporting the other end of said spring on said tubular body, said spring being adapted to centralize and resiliently mount said rod in said body.



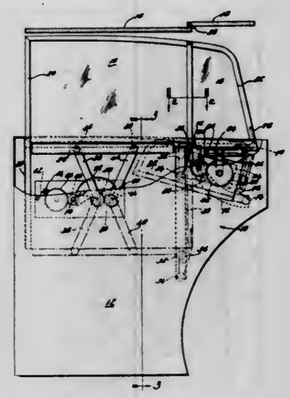
2,253,804
REFRIGERATOR
Oscar E. Norberg, Greenville, Mich., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich., a corporation of Michigan
Application January 18, 1940, Serial No. 314,416
5 Claims. (Cl. 312—150)



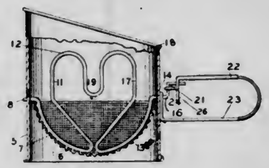
1. In a refrigerator cabinet, a substantially rectangular receptacle, a removable cover for said receptacle, means for supporting said receptacle for sliding movement into and out of said cabinet, additional means for supporting said cover immediately above said receptacle whereby said receptacle may be removed from said cabinet independently of said cover, and resilient means secured to a wall of the cabinet for engaging the receptacle and holding the cover in place over the receptacle.

2,253,805
WINDOW CONSTRUCTION FOR CONVERTIBLE BODIES
Jules A. Olivier, Grosse Pointe Farms, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application May 4, 1938, Serial No. 205,874
2 Claims. (Cl. 296—44)

1. In a window construction in a door having a well, the combination of a vertically slidable window section for enclosing a part only of the space above the well, a second window section, and means supporting said window sections within said well in laterally offset relation to each other so as to permit independent movement thereof into said well.



2,253,806
SIFTER
Glenn T. Perry, San Francisco, Calif.
Application May 18, 1940, Serial No. 335,949
2 Claims. (Cl. 209—282)

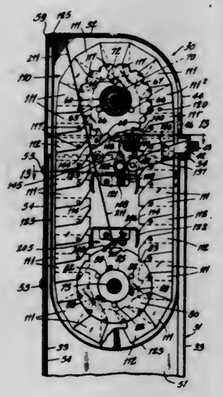


1. In a device for mixing and sifting commodities comprising a cylindrical body portion, a screen having a semi-circular cross section disposed therein, an agitator element comprising a pivotal portion, a curved portion connected thereto and engaging the curved surface of said screen to a point near the bottom thereof, said agitator then being bent diagonally upward to a point in alignment with the axis of said pivotal portion, thence upwardly in a vertical direction, thence curved in a triple return bend to form a downwardly extending mixing element, thence diagonally downwardly, thence curved to engage the curved surface of said screen, and thence bent to form a second pivotal portion, one of said pivotal portions having a crank connected thereto, and a handle engaging said crank, said handle having stops to limit the pivotal movement of said crank.

2,253,807
DISPENSING MACHINE
Lawrence M. Persons, St. Louis County, Mo.
Application December 3, 1938. Serial No. 243,693
10 Claims. (Cl. 312—97)

1. A dispensing machine comprising supporting means, a plurality of endless carriers supported thereby, each carrier including a plurality of buckets pivotally connected to form an endless chain, means for automatically moving each carrier, means normally locking said

carriers against dispensing movement, and means for releasing an individual carrier to permit said



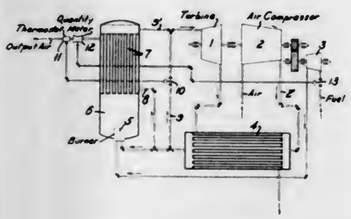
moving means to move the carrier a predetermined amount.

2,253,808
COMBINED CARRYALL AND DRAG SCRAPER
Gino Petrucci, Madera, Calif.
Application February 20, 1940, Serial No. 319,947
5 Claims. (Cl. 37—126)



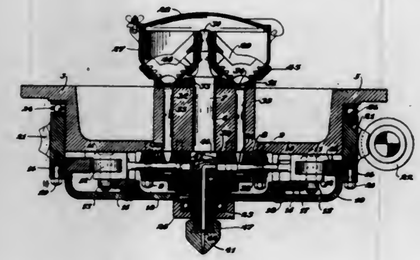
1. A combined carry-all and drag scraper comprising a frame, the upper portion of the frame being extended forwardly to form a beam, a wheeled axle on the beam, a scoop pivoted at its forward lower edge within the frame, a flange at the upper edge of the scoop overlying the top of the frame to maintain the scoop in normal position, a scraper blade disposed transversely of the frame adjacent the pivoted edge of the scoop and in advance thereof, a shaft extending across the top of the frame above the blade, a gate of right angular cross section pivotally mounted at its upper longitudinal edge on said shaft, stop means carried by the frame for limiting opening movement of the gate, a pneumatic cylinder disposed above the center of the gate and hingedly connected at one end to the gate, a piston in the cylinder pivotally connected to the top of the rear wall of the scoop, means for supplying fluid pressure medium to one end of the cylinder for causing the gate to be rocked open until limited by said stop means and subsequently causing tilting of the scoop to release material from the scoop, a wheeled carriage hingedly mounted on the frame in rear of the scoop, a second pneumatic cylinder hingedly mounted on the outer end of the wheeled carriage, a piston for the second cylinder hingedly connected to the frame at the top of the scoop, and means for admitting fluid pressure medium to the second cylinder for causing the frame to be tilted to engage the scraper blade in operative position at the desired depth.

2,253,809
GAS COMPRESSING APPARATUS AND METHOD OF REGULATING THE SAME
Hans Pfenninger, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application December 15, 1939, Serial No. 309,507
In Germany December 27, 1938
9 Claims. (Cl. 263—19)



1. In a plant for producing hot gases under pressure, the combination of a combustion gas turbine, a gas compressor driven by said turbine, a combustion nozzle for generating the combustion gas for operating said turbine, a heat exchanger through which the combustion gases pass, means for delivering a part of the gas from said compressor to said nozzle and another part through said heat exchanger to an output pipe, a fuel supply to said combustion nozzle, a pair of control devices in said outlet pipe responsive to different properties of the gas flowing therethrough, means actuated by one control device to regulate the turbine speed, whereby a change in the turbine speed due to the departure of one property of the outflowing gas from a selected value results in a change in that property of the gas to which the second control device responds, and means actuated by the second control device to regulate the fuel supply.

2,253,810
INJECTION MACHINE
Noel J. Poux, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application August 4, 1938, Serial No. 223,097
4 Claims. (Cl. 18—30)



1. An injection machine comprising a plurality of cylinders, separate supply means for supplying moldable material to each cylinder, a single movable injection member, means for moving said injection member to establish communication with said cylinders in turn, means for measuring the charge to each cylinder and means for operating said measuring means in timed relation with the movement of said injection member.

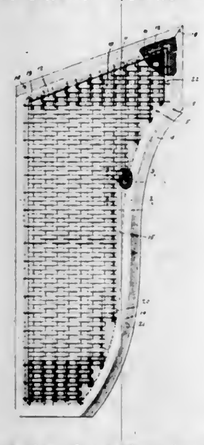
2,253,811
SUBSTITUTED HYDROXYAROMATIC ACIDS
Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 10, 1938, Serial No. 239,771
10 Claims. (Cl. 260—521)

1. As a new composition of matter, an alkyl-substituted hydroxyaromatic carboxylic acid in which the alkyl substituent is attached to the aryl nucleus and is derived from an aliphatic material having at least twenty carbon atoms, said composition being miscible with mineral oil and possessing the property of improving the pour point and viscosity index and inhibiting oxidation of a viscous mineral oil fraction when admixed therewith.

2,253,812
CARBON MOLYBDENUM WELDING ROD
Robert M. Rooke, Jersey City, N. J., and Frederick C. Saacke, Astoria, N. Y., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application February 6, 1940, Serial No. 317,520
4 Claims. (Cl. 219—8)

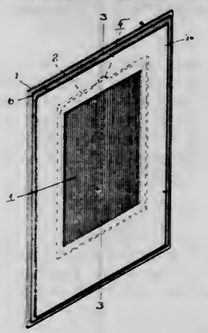
1. A welding rod comprising an iron alloy containing carbon .02% to .30%, manganese .10% to 1.50%, silicon .05% to .40%, and molybdenum .20% to 1.00%, and free of consequential amounts of chromium.

2,253,813
MAT
Harry R. Russon, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application July 13, 1938, Serial No. 218,961
17 Claims. (Cl. 20—78)



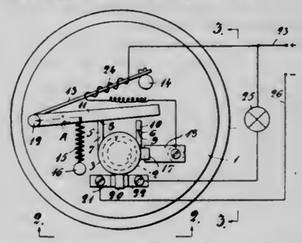
1. A mat of the character described comprising substantially parallel pivot wires, staggered links pivoted on said wires to connect the same, at least one of said wires extending a longitudinal distance toward the edge of the mat less than an adjacent wire, a block adjacent the end of the wire extending the shorter distance and pivoted to said adjacent wire and also notched to receive the ends of links pivoted on said adjacent wire, the outer margin of said block being continuous and formed in non-parallel relation to the axes of said wires.

2,253,814
PHOTOGRAPH MOUNT
August C. Sames, Rochester, N. Y., assignor to J. S. Graham Company, Inc., Rochester, N. Y., a corporation of New York
Application April 13, 1939, Serial No. 267,669
2 Claims. (Cl. 40—159)



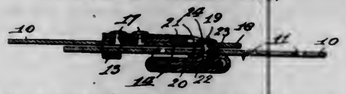
1. In a picture mount the combination of a back, a cut-out underlay attached to said back to form a recess surrounded by a continuous edge on one side of the back, a cut-out mask attached to said underlay with the edges of the portion overhanging the edges of said recess, said back having a substantially transverse cut forming a yielding tongue located partially within and partially without the recess in the back along one edge of the recess so that said tongue permanently overlaps the underside of said underlay and is held against movement into the recess and may be forced outwardly of the back and provide a slit over a portion of the underlay into the recess with a guiding and supporting area on the underside of the back adjacent the edges of the tongue and between the slit and the outer edge of the back.

2,253,815
THERMOSTATIC LOCKING DEVICE
Heinz Schirokauer, Stockholm, Sweden, assignor to Gunnar Mannheimer, Skuruborg, Ektorp, Sweden
Application October 20, 1938, Serial No. 235,992
In Sweden January 15, 1938
9 Claims. (Cl. 200—116)



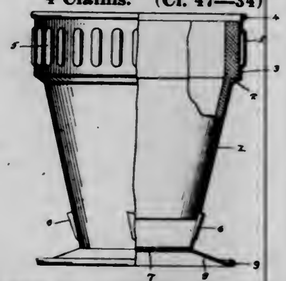
1. A locking device for temporarily interlocking a pair of relatively movable members comprising a plurality of locking abutments associated with one of said members and staggered in the direction of movement to permit stepwise relative movement of the members, means tending to move the members relative to one another, and a locking member adapted to perform a rotary movement about different axes of rotation so as to engage said abutments successively and thereby permit the members to move relative to one another in a stepwise fashion.

2,253,816
BELT AND BUCKLE
Lester L. Sherwood, Los Angeles, Calif.
Application June 22, 1940, Serial No. 341,859
11 Claims. (Cl. 24—163)



9. In an apparel belt, a belt buckle formed from a single piece of flexible material and comprising a loop portion and a keeper portion, there being an opening formed in the piece of material between said loop and keeper portions and means for securing opposite portions of said section of material to each other.

2,253,817
FLOWERPOT CONTAINER
Peter C. Simmons, Buffalo, Minn.
Application July 10, 1940, Serial No. 344,819
4 Claims. (Cl. 47—34)



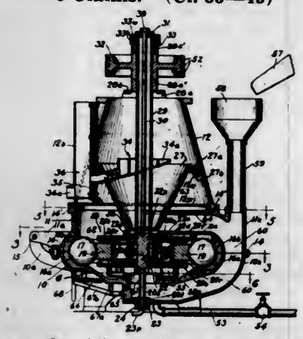
1. A flower pot container comprising a tapered body having an outwardly flared shoulder at the upper end thereof, an annular portion formed on and rising from the shoulder and provided with reinforcing means, substantially V-shaped cup members disposed about the body adjacent its lower end and the body being slit at the upper end of said members to provide ventilating means, and supporting means for the body.

2,253,818
AUTOMOBILE BODY CONSTRUCTION
Emory Glenn Simpson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 17, 1940, Serial No. 335,730
6 Claims. (Cl. 296—44)



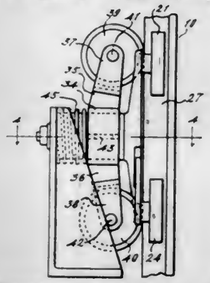
1. In an automobile body, the combination of outer and inner metal panels forming a rear quarter window opening adapted to have a window panel slidable rearwardly therein and partially withdrawing into a window pocket between the outer and inner quarter panels, a stamping at the rear and above the window opening serving as part of and weatherproofing said pocket and a catch basin and drain located below the window opening and the window pocket.

2,253,819
RING AND BALL MILL
Harold V. Spaulding, Seattle, Wash.
Application April 26, 1938, Serial No. 204,326
9 Claims. (Cl. 83—45)



6. In a pulverizing mill, the combination of a stationary upright housing containing a liquid, grinding means submerged in said liquid, conduit means for conveying a flow of said liquid and the material to be pulverized into said housing and through said grinding means, an upright funnel element fixedly secured within said housing above said grinding means and immersed in said liquid with its larger diameter rim near the upper surface thereof, an hydraulic classifier comprising an open-top flow discharge channel, means for adjustably supporting said classifier immersed in the relatively quiet zone of said liquid above said funnel and with reference to the top rim thereof, and impeller means for causing said liquid to circulate downwardly through the interior and upwardly past the exterior of said funnel.

2,253,820
GUIDE FOR ELEVATOR CARS
Walter Spiro, New York, N. Y., assignor, by mesne assignments, to Elevator Safety Corporation, New York, N. Y., a corporation of New York
Application September 20, 1940, Serial No. 357,627
8 Claims. (Cl. 187—95)

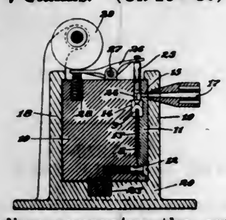


1. In an elevator guide for use in connection with a guide rail having two side riding surfaces the combination, with a support, of two coaxial cross arms pivotally mounted on said support, said cross arms forming an articulated X-shaped structure, each arm having a roller at each end, and resilient means urging said arms to rotate each in the direction in which one of its rollers will press against one of said side riding surfaces, and the other roller will press against the opposite surface.

2,253,821
PLASTICIZED ORGANIC SOLVENT SOLUBLE CELLULOSIC FILM
William D. R. Straughn, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 1, 1939, Serial No. 293,053
1 Claim. (Cl. 106—189)

A thin, transparent, flexible film comprising essentially cellulose acetate of about 56% combined acetic acid content and isobutylene glycol in the ratio 22.5:7.5 by weight.

2,253,822
MOLDING APPARATUS
Gideon Sundback, Meadville, Pa., assignor to Talon, Inc., Meadville, Pa., a corporation of Pennsylvania
Application June 15, 1938, Serial No. 213,846
7 Claims. (Cl. 18—30)



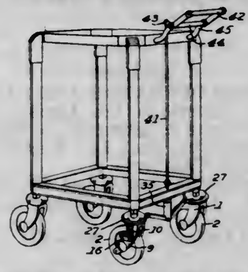
4. In molding apparatus the combination of mold parts having a series of mold cavities therein, and a series of passages with aligned openings on one side of the mold parts, one passage leading to each mold cavity, means adapted to register in turn with said openings for injecting material through the passages to fill the mold cavities in succession, and a series of cylinders each with a plunger therein carried by the mold parts, one cylinder communicating with each mold cavity, and means for moving the mold parts stepwise past the injection means, mechanical means for withdrawing the plunger for each cylinder just prior to the time of injection, and means including a spring for returning said plunger toward the mold cavity and exerting force on the material therein after movement of the mold cavity out of registration with the injection means.

2,253,823
DOMINOES GAME
Pio Morales Suteras, Habana, Cuba
Application July 12, 1939, Serial No. 284,121
In Cuba June 20, 1939
5 Claims. (Cl. 273—137)



1. A dominoes game piece having two cavities, numerals carrying discs within said two cavities, and means in each cavity to support the respective disc for rotary movement.

2,253,824
CASTER FOR APPLICATION TO VEHICLES
Charles Ralph Townsend and Claude Mortimer Townsend, Birmingham, England
Application February 8, 1940, Serial No. 317,919
In Great Britain February 3, 1939
5 Claims. (Cl. 16—35)



1. A swivelling caster of the type referred to, comprising a support to be fixed to a carriage; a forked-body swivellingly mounted on said support; a caster wheel mounted within the fork of the body upon a horizontal axle of the wheel; braking means for the wheel arranged concentrically within the structure thereof; a braking member having a circular friction face concentric with the swivel axis of said support, said member being capable of vertical movement on said support and being held from rotation; and means arranged upon the forked body and connected to the braking means to actuate the same, said last means being disposed in the path of movement of the friction face of the braking member, whereby movement of the latter against the said last means will apply the braking means and prevent movement of the wheel.

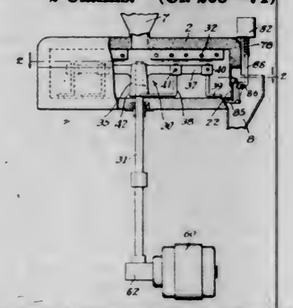
2,253,825
CHAIR SEAT
Claude J. Tully, Memphis, Tenn.
Application May 29, 1939, Serial No. 276,300
6 Claims. (Cl. 155—186)



2. A plywood seat for a chair having a frame with round side and front rungs at substantially the same level, and legs projecting above the tops of such rungs, said seat being formed of a plurality of layers, and being glued together, the front and side edges of the seat being bent downward on a radius slightly greater than the radius of said rungs substantially at right angles to said seat, and being glued together while so bent

whereby their curvature will be retained, the corners of the seat being cut away to permit such bending and to surround the legs of the chair, the relative dimensions of the chair frame and said seat being such that engagement of said seat is effected between the inner surfaces of the vertical portions of said edges and the outer portions of said rungs.

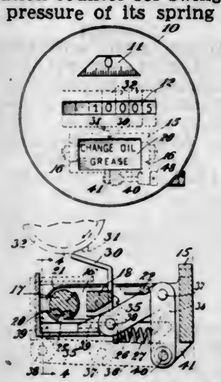
2,253,826
CLOSURE OPERATOR AND LATCH
Raymond H. Vermillion, Los Angeles, Calif., assignor, by mesne assignments, to Brinck Engineering Company, Inc., Los Angeles, Calif., a corporation of California
Original application September 23, 1938, Serial No. 231,387. Divided and this application October 16, 1939, Serial No. 299,702
2 Claims. (Cl. 268—74)



1. In combination, a closure pivoted on a horizontal axis, a latch pivoted on the closure on a horizontal axis, an abutment operatively engaged by the latch when the closure is closed, a slide, a slotted pivotal connection between the slide and the closure, the pivotal axis of the slotted connection being horizontal and the length of the slotted connection being vertical, a link pivotally connected to the latch and to the slide, a spring tending to depress the slide and adapted to yield for elevation of the slide, and an electrical solenoid which when energized initially elevates the slide relative to the closure at the slotted pivotal connection for swinging the latch on its pivot so as to disengage it from the abutment, with the energized solenoid then continuing elevation of the slide so as to swing the closure to open position by the slotted pivotal connection between the slide and the closure, the closure swinging to closed position by gravity when the solenoid is deenergized, with the spring yielding for elevation of the slide relative to the closure at the slotted pivotal connection so that the latch may ride over the abutment by swinging the latch on its pivot, and the spring then depressing the slide relative to the closure at the slotted pivotal connection for swinging the latch on its pivot so as to operatively engage the abutment.

2,253,827
INDICATOR FOR REVOLUTION COUNTERS
Arthur Rolfe Vinton, Little Britain, N. Y.
Application April 6, 1939, Serial No. 266,293
2 Claims. (Cl. 116—114)

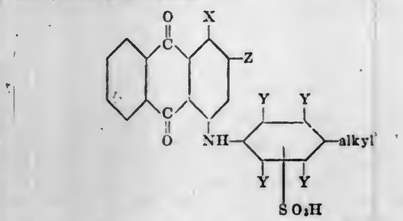
1. An indicator for revolution counters of the gear-connected number-wheel type, comprising a shaft, a sign having a legend thereon mounted on said shaft, a spring adapted to rotate said shaft into a position in which the legend on said sign is visible, a latch pivotally mounted to turn about an axis parallel to said shaft and adapted to hold said shaft against the tension of said spring in an angular position in which the legend on the sign is invisible, a spring for yieldably holding the latch in operative connection with said shaft, means mounted on one of the wheels of the revolution counter for swinging said latch against the pressure of its spring to break said



operative connection whereby the first-mentioned spring will rotate the shaft to bring the sign into legend-visible position after a predetermined number of revolutions, a second shaft parallel to the first shaft and a connection between the two shafts, whereby rotation of the second shaft turns the first shaft against the tension of its spring and re-sets the indicator.

2,253,828
EASILY WATER SOLUBLE SALTS OF WOOL DYESTUFFS
Samuel von Allmen and Edmond Rosselet, Basel, Switzerland, assignors to Sandoz Ltd., Basel, Switzerland
No Drawing. Application April 21, 1939, Serial No. 269,260. In Switzerland April 29, 1938
4 Claims. (Cl. 260—374)

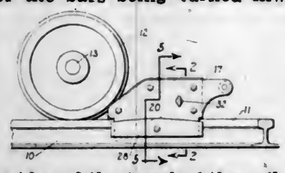
1. The lithium salts of acid wool dyestuffs of the general formula:



wherein X stands for a member of the group consisting of hydroxy, amino, alkylamino, sulphonated arylamino, Z stands for a member of the group consisting of hydrogen and halogen, and Y stands for a member of the group consisting of hydrogen and alkyl.

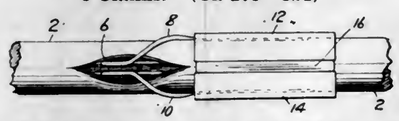
2,253,829
RAILWAY CAR CHOCK
Rudolph H. Werner, Boulder, Colo.
Application January 16, 1941, Serial No. 374,646
3 Claims. (Cl. 104—257)

1. A railway wheel chock comprising a body having attached thereto sides projecting downwardly below the bottom forming flanges for positioning the chock on the tread of a rail, resilient clamping means for yieldingly holding the chock in position on the rail, said means comprising elongated spring bars secured at their middle points to the flanges and positioned outside of the latter and parallel to the rail tread, the ends of the bars being turned inwardly to



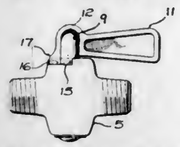
engage the sides of the tread of the rail, a fabric member covering the bottom one end and the upper surface of the chock, and means for holding the said member in position.

2,253,830
CABLE CONNECTOR
Alfred C. Winterhalter, Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application February 21, 1939, Serial No. 257,589
8 Claims. (Cl. 173—324)



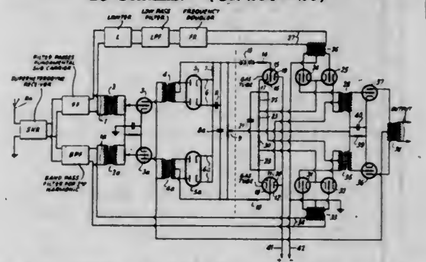
4. Cable connecting means comprising a plurality of concave conducting members arranged jointly to embrace the major portion of the circumference of the exterior of an insulated cable, means for holding said members directly opposite each other upon the sides of the cable with their longitudinal edges in spaced insulated relationship with each other, and means for electrically connecting each of said members to a wire within the cable.

2,253,831
GAS COCK
Clarence Wantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 20, 1939, Serial No. 257,429
4 Claims. (Cl. 251—150)



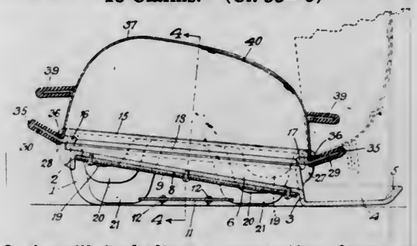
2. In a gas cock: a body having a tapered bore; a tapered plug rotatable in said bore; a stem on the large diameter end of the plug extending outwardly beyond the adjacent portion of the body; a flat supporting surface on the adjacent portion of the body lying in a plane normal to the axis of the plug; the stem having an open longitudinal slot in its outer end providing a pair of opposite spring fingers; a one piece substantially flat actuator for the plug, said actuator having opposite substantially channel shaped recesses in its opposite side faces opening to one edge thereof and cooperating to provide longitudinal guideways for said spring fingers and a web adapted to be frictionally clamped between said spring fingers for detachably holding the actuator drivingly connected with the plug; and an abutment on said edge of the actuator engageable with said supporting surface to hold the web of the actuator from contacting the bottom of the slot in the end of the stem and thereby preclude the transmission of inward force from the actuator onto the plug.

2,253,832
SIGNALING
James N. Whitaker, Weehawken, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 14, 1939, Serial No. 299,421
10 Claims. (Cl. 250—20)



1. A receiving system for receiving a carrier modulated by a sub-carrier comprising means for deriving from the modulated carrier sub-carrier wave energy, means for filtering out fundamental sub-carrier energy from the derived energy, additional means for filtering harmonic energy from the derived sub-carrier energy, means for raising the filtered fundamental energy to a harmonic frequency, and means including trigger-acting discharge tubes for selectively controlling the transfer of the raised energy or the directly derived harmonic frequency energy to a translating device, said selectively controlling means being adapted to favor one of said energies when both are of substantially equal value.

2,253,833
COOKING GRILL
Herbert Volks, Zurich, Switzerland, assignor to Sulzer Freres, Societe Anonyme, (also known as Sulzer Bros. Ltd.), Winterthur, Switzerland, a corporation of Switzerland
Application December 4, 1939, Serial No. 307,358
13 Claims. (Cl. 53—5)

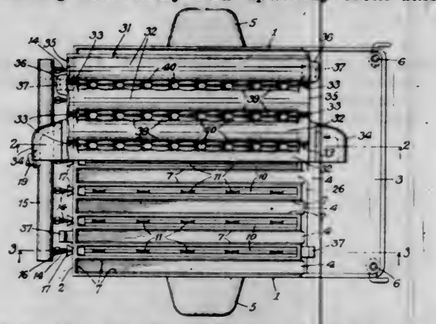


8. A grill including a supporting frame open at the top and closed at the bottom, a meat supporting grid adapted to interlock with, rest upon and close the open top of the frame, and a grease tray adapted to be removably positioned within the supporting frame between the bottom thereof and the grid.

2,253,834
GAS-HEATED COOKING GRILL
Herbert Volks, Zurich, Switzerland, assignor to Sulzer Freres, Societe Anonyme, (also known as Sulzer Bros. Ltd.), Winterthur, Switzerland, a corporation of Switzerland
Application December 26, 1939, Serial No. 310,952
8 Claims. (Cl. 126—41)

1. In a cooking grill, a supporting frame hav-

ing a plurality of walls, a grease well projecting forwardly from one wall, spaced grease channels extending rearwardly and upwardly from said

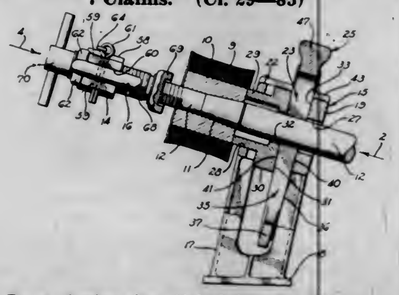


wall to the opposite wall and adapted to discharge into the grease well, the latter wall being slotted in line with the spaces between the channels.

2,253,835
REACTIVATION OF SPENT HYDROGENATION CATALYSTS
Victor E. Wellman, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y.
No Drawing. Application August 25, 1938, Serial No. 226,768
7 Claims. (Cl. 204—140)

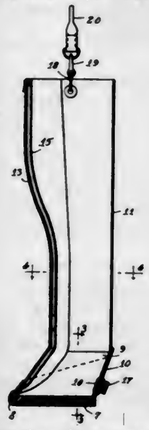
1. A process for reactivating spent massive metal hydrogenation catalysts contaminated with organic materials which comprises subjecting the spent catalyst to electrolytic anodic oxidation in an aqueous solution containing at least 2% alkali hydroxide together with at least 1% alkali carbonate, and having a pH above 13.5.

2,253,836
MEANS FOR DISLODGING OBJECTS EMBRACING A ROD OR THE LIKE
Clarence White, Walnut Park, Calif.
Application June 8, 1938, Serial No. 212,508
7 Claims. (Cl. 29—85)



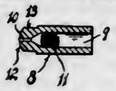
1. In a device for dislodging a piston or the like from a piston rod or the like, the combination of: a crosspiece having a normally disposed through opening of a size sufficient to receive such a rod, and having lateral extensions providing a span across said crosspiece greater than the diameter of said piston and having a surface transverse the axis of said opening; an annular ram member having a bore of sufficient size to receive said rod and slidably mounted on said crosspiece in axial alignment with said opening in a manner to be movable in a direction parallel to the axis of said opening, and provided with an annular seat of a diameter to engage the end of said piston and a surface facing toward and inclined at a small angle to said surface of said crosspiece; a bifurcated wedge element seated in said crosspiece in a position substantially perpendicular to and straddling the axis of said opening, each of the forks of said wedge element being disposed between and in operative wedge-like engagement with said surfaces on said crosspiece and said ram member to force said ram member outwardly from said crosspiece; longitudinally elongatable means provided with a face suitable for end thrust engagement with the end of said rod adjacent the end of said piston remote from said crosspiece and with lateral extensions providing a span to said means greater than the diameter of said piston; and tie rods substantially longer than said piston, said rods being disengageably secured at their one ends to the extensions respectively of said crosspiece, and at their other ends to said extensions respectively of said elongatable engagement means.

2,253,837
EQUINE BOOT
Otto Augspurger, Rockford, Ill.
Application February 12, 1940, Serial No. 318,469
7 Claims. (Cl. 168—2)



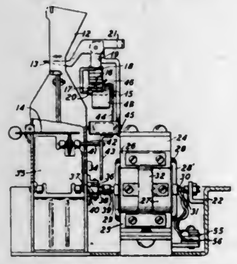
1. The combination in an article of the class described, of flexible means for retaining liquid around an animal's leg so that the said leg is immersed, means for supporting the aforesaid flexible means to the leg, and means for draining the fluid from the flexible retaining means without removing the same from the leg.

2,253,838
OIL METERING JET FOR THE CAMSHAFTS OF ENGINES
Abram H. Blaisdell, Long Beach, Calif.
Application April 29, 1939, Serial No. 270,811
1 Claim. (Cl. 184—6)



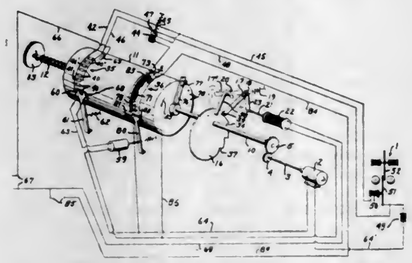
The combination, with the engine casing, crank shaft, and cam shaft mounted upon said casing, said casing having within it oil ducts including a straight oil duct in an angularly opposed communicating relation to the interior of the bearing for the cam shaft, of an oil metering jet stationed in said straight duct, said jet having its discharge end disposed sufficiently close to said cam shaft to cause the presence of said shaft to retard the oil stream issuing from said jet.

2,253,839
COIN COLLECTOR APPARATUS
David G. Blattner, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application August 6, 1938, Serial No. 223,401. Divided and this application December 6, 1939, Serial No. 307,742
2 Claims. (Cl. 194—16)



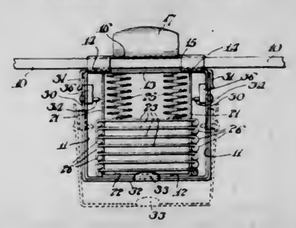
1. A coin collector comprising a coin hopper, a pivoted coin trigger biased to a normal position and projecting into said hopper for actuation by a deposited coin to an advanced position, means for holding said trigger in said advanced position after it has been struck by a deposited coin, a relay comprising a permanent magnet, a rotatable coil biased to a normal position and mounted in the field of said magnet for clockwise rotation from said normal position when the voltage applied to said coil is of one polarity and for counter-clockwise rotation from said normal position when the voltage applied to said coil is of the opposite polarity, a pivoted lever mechanically coupled to said coil for rotation with said coil, cam means carried by said lever for engaging said holding means in the clockwise rotation of said lever to release said trigger from said holding means, and other cam means carried by said lever for engaging said holding means in the counter-clockwise rotation of said lever to release said trigger from said holding means.

2,253,840
CONTROL CIRCUIT
Allan P. Bloxsom, Houston, Tex.
Application August 12, 1939. Serial No. 289,765
2 Claims. (Cl. 177—353)



1. A selector device for closing a first or a second of two work circuits in response respectively to a first or second series of impulses, comprising an impulse responsive circuit closing device, an electric motor, a drum biased to a normal position and driven by said motor against its bias, a series of circumferentially spaced contacts on the drum and a stationary contact cooperating therewith, certain of said drum contacts closing the motor circuit directly and certain others, including the contact at the normal position, closing the motor circuit through the impulse responsive circuit closing device, means whereby the drum closes the first of said circuits after a predetermined travel thereof in response to the first series of impulses which contains an impulse corresponding to each of the contacts closing the motor circuit through the impulse responsive contact device, additional contacts on the drum circumferentially spaced and an additional stationary contact cooperating therewith, means included in the motor circuit closed through any one of the said series of contacts for preventing the engagement of the additional stationary contact with its cooperating contacts whereby said stationary contact will be permitted to engage said additional contacts when no impulse is received when the cylinder is in a position wherein the first stationary contact engages the said certain other of said contacts of the series, a motor circuit closed through said second stationary contact, one of the additional contacts and the impulse responsive circuit closing means, means in said last circuit for rendering ineffective the said series of contacts and means for closing the second circuit including the second stationary contact and a second one of the additional contacts.

2,253,841
DISPLAY RACK
Jack I. Blum, Mount Carmel, Pa.
Application October 11, 1939, Serial No. 298,871
7 Claims. (Cl. 211—89)

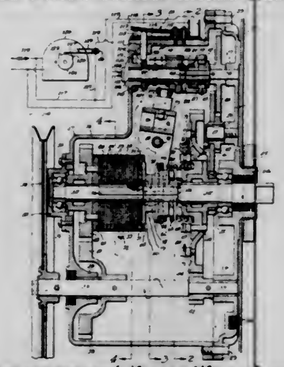


1. In a display rack, an article holder including a frame, a plurality of article clamping plates slidably mounted therein, springs impelling said plates to clamping positions, and members movably mounted in the frame and adapted to be brought to selective positions to be inserted between any particular pair of plates for spreading said plates to increase the space between said pair of said plates whereby an article may be inserted in said space to replace one previously removed therefrom.

2,253,842
LAUNDRY MACHINE
Hyman D. Brotman, Detroit, Mich.
Application March 6, 1939, Serial No. 260,013
13 Claims. (Cl. 74—1)

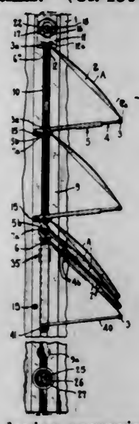
1. In a laundry machine having clutch means and shifting means therefor, a rotatable actuator for intermittently shifting the shifting means, means for rotating said actuator, electrically operated means for actuating said last-mentioned means, switch means for intermit-

tently energizing said electrically operated means, and switch control means fixed to said



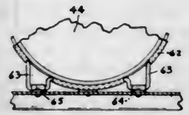
actuator for movement therewith and operatively connected to said switch means.

2,253,843
AWNING
August Bruns, Richmond Hill, N. Y.
Application October 9, 1936, Serial No. 104,801
7 Claims. (Cl. 156—15)



1. An awning device comprising a top awning member and a bottom awning member and intermediate awning members, each of said awning members having its upper edge connected to a first supporting member, said first supporting members of the intermediate awning members and of the bottom awning member being vertically movable relative to the first supporting member of the top awning member, the lower ends of the intermediate awning members being turnably connected to outwardly located telescopic members, each outwardly located telescopic member being slidably associated with an inwardly located telescopic member, the inner end of each inwardly located telescopic member being turnably connected to the first supporting member of the next lower awning member, guide means adapted to confine the movement of the first supporting members of the intermediate awning members and of the bottom awning member in a predetermined plane, and means adapted to hold the first supporting members of the intermediate awning members and of the bottom awning member spaced from each other and spaced from the first supporting member of the top awning member.

2,253,844
EDUCATIONAL TRANSIT DEVICE
John A. Cassavant, McLean, N. Y.
Application July 31, 1940, Serial No. 348,852
4 Claims. (Cl. 33—70)



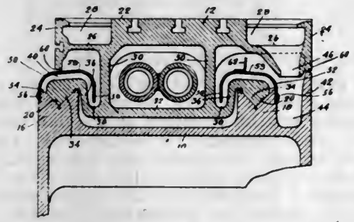
1. A transit device having three circular similarly dished parts in sheet metal of which one such part comprises a base plate having a centrally cleared upturned platen adapted to mount a recording pad flatwise thereon and which platen is provided with a depending endless rim flange, a second part that comprises a foldable protractor dial plate having a diameter smaller than that of the platen and a marginal region of which dial plate is hinged to the base plate, and a bodily shiftable third part that comprises a cross-sectionally grooved cover element including a circumscribing flared rim flange that in alternative shift positions is nestable interiorly or exteriorly with respect to the rim flange of the first part and in one such nested position is arranged to serve as a supporting sub-base for the base plate when the dial is shifted into an erected position with respect to the base plate, adjustable screws entered through said platen and the tips of which screws demountably center into the cover groove when said cover serves as a sub-base, and manipulative bar means having a length approximately equal to the diameter of the dial plate and pivotally mounted in a centralized relation to the last named plate, said cover element in its other nested position being telescopically stackable upon the base plate and over said bar means when the dial plate is folded toward the base plate.

2,253,845
CAMSHAFT BEARING TOOL
George L. Clickner, Casper, Wyo.
Application March 2, 1939, Serial No. 259,373
1 Claim. (Cl. 29—88.2)



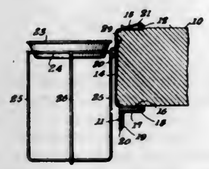
A device for removing and replacing crank shaft bearing bushings in automotive engines comprising: a threaded shaft; rotating means on one extremity of said shaft; a shoulder formed on said shaft adjacent its other extremity; a cylindrical mandrel on said latter extremity with one face resting against said shoulder, there being a bearing socket in the other face of said mandrel; a flange about the latter face of the mandrel; a thrust bearing in said bearing socket; a nut on the extremity of said shaft clamping said thrust bearing in said socket and holding said mandrel against said shoulder; a hollow housing surrounding said shaft intermediate its extremities and threaded thereon; a closed end in said housing through which said shaft is threaded; a guide member telescopically fitted into the open end of said guide member and acting to limit its insertion into said housing; and a sleeve projecting outwardly from said flange for insertion in a bearing bushing for concentrically aligning said housing and shaft therewith.

2,253,846
MACHINE TOOL AND DUST GUARD THEREFOR
Elton S. Cornell, East Providence, R. I., assignor to Abrasive Machine Tool Company, East Providence, R. I., a corporation of Rhode Island
Application February 23, 1939, Serial No. 257,952
9 Claims. (Cl. 308—3)



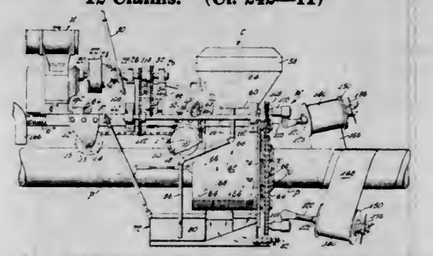
7. In a machine tool, a bed having ways, a carriage having runners movable on said ways, and a housing enclosing the ends of said ways fixed to and extended from the end of the bed having pairs of upstanding spaced side walls forming runner receiving passages therebetween and having an end wall remote from the bed for closing the passages, and cover plates overlying said passages and spaced from said side walls, said cover plates having depending sides which overlie and are spaced from certain of said side walls.

2,253,847
BELL CORD AND RECEPTACLE HOLDER
Emma Wylly Crum, Poughkeepsie, N. Y.
Application June 15, 1939, Serial No. 279,239
1 Claim. (Cl. 248—226)



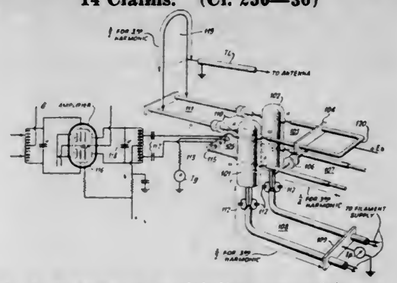
As a new article of manufacture, a holder for hospital beds, comprising a single length of wide flat strip stock of spring material having an intermediate normally upright straight post portion of a height approximating the thickness of a mattress and flat straight spring arms extending convergently to one side from the top and from the bottom of said intermediate upright post portion to yieldingly grip over the upper and lower faces of a mattress when the upright intermediate portion is engaged against the edge of a mattress, the inner end of the top arm being turned back into closely overlying position into a flat bell cord receiving hook opening outwardly toward the upright portion, the inner end of the lower arm being turned back under said arm into an underlying hook opening outwardly toward the upright portion and thereby engageable about the inner portion of a bed rail supporting the mattress to retain the holder in upstanding position engaged about the edge of the mattress in opposition to the pull required to disengage a bell cord from the grasp of the outwardly opening bell cord holding hook and said upright intermediate post portion having means for pivotally supporting a hospital receptacle holder or the like.

2,253,848
PIPE COVERING MACHINE
James D. Cummings, Houston, Tex., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application November 5, 1938, Serial No. 238,951
12 Claims. (Cl. 242—11)



1. A combination pipe coating and wrapping machine adapted for longitudinal movement relatively to a pipe or the like, said machine comprising a frame, traction wheels carried by said frame and arranged for driving engagement with a pipe, a motor on said frame and arranged to drive said traction wheels, means for applying a coating material in a uniform layer to said pipe, said means including a pump driven from said motor and independently of the drive of said traction wheels for returning coating drained from the pipe to a coating supply, means for applying wrapping material to said pipe over said coating layer, and means operable from said motor for driving said wrapping means around said pipe in timed relationship to the movement of said frame on said pipe.

2,253,849
SHORT WAVE RADIO APPARATUS
Orville E. Dow, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 3, 1939, Serial No. 302,655
14 Claims. (Cl. 250—36)

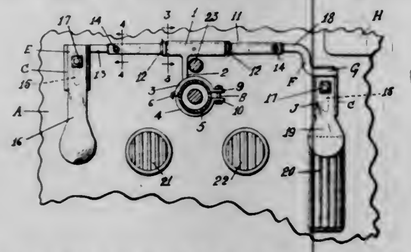


12. A frequency multiplier comprising a pair of electrode structures, each structure including an input electrode, an output electrode and a filament, a pair of tuned circuits coupling said input electrodes together, said tuned circuits being in parallel relation, a pair of tuned circuits in parallel relation coupling said output electrodes together, and a tuned circuit coupling said filaments together, said circuits being tuned to augment the generation of harmonic energy.

2,253 850
AUXILIARY LEFT FOOT THROTTLE FOR MOTOR-DRIVEN VEHICLES
Walter E. Fisher, Wichita, Kans.
Application March 23, 1940, Serial No. 325,491
2 Claims. (Cl. 74—513)

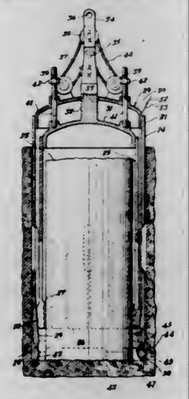
1. In an auxiliary left foot throttle for motor-

driven vehicles, of the class described, in combination with an accelerator of a motor-driven vehicle, a tubular bearing and a clamp integrally joined by an arm, the clamp having means to secure the same to a steering post housing of the vehicle, a hollow shaft extending through the hollow of the bearing and rockable therein so that each end of the hollow shaft extends outward from its respective end of the bearing, a solid shaft insertible in each end of the hollow shaft so that a portion of each thereof extends outward, and means to secure the same against turning and longitudinal movement but rotata-



ble with said hollow shaft, a slotted channelled plate secured to the outer extension of each shaft and rockable therewith, each of said slotted channelled plates having the shank of a foot plate seated in the channel and a bolt extending through each shank and its respective slot in the channelled plate as means to adjustably secure the foot plate at a predetermined extension of the foot plates toward and from their respective channelled plates, one of said foot plates to engage on the accelerator plate as actuating means therefor and being rocked by the other foot plate to accelerate the motive power of the vehicle.

2,253,851
CORE REMOVING DEVICE
Raymond Frutchey, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 21, 1940, Serial No. 325,168
3 Claims. (Cl. 255—72)



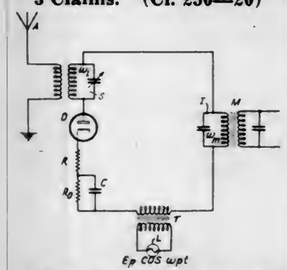
1. A core removing device, comprising a core lifter to encircle a core and having apertures in its lower end, projections extending from the lower end of the core lifter, a U-shaped holder having its extremities extending into the apertures, and a charge of explosive material on the holder between the projections.

2,253,852
SWAB MAKING MACHINE
Samuel W. Glickston, Rockville Centre, N. Y., assignor to M. Mayer, New York, N. Y.
Application December 31, 1938, Serial No. 248,764
12 Claims. (Cl. 19—145)



1. A swab making machine comprising a shaper having a recess therein, means for successively positioning lengths of cotton or the like adjacent to said recess, means for successively causing sticks to engage the cotton and move both into the recess, means for rotating the stick while so positioned, thus winding the cotton about the stick, and means for discharging the stick with the cotton thereon from the recess in the shaper.

2,253,853
SUPERHETERODYNE RECEIVING CIRCUIT
Johan Haantjes and Bernardus Dominicus Hubertus Tellegen, Eindhoven, Netherlands
Application January 18, 1941, Serial No. 374,986
In the Netherlands July 9, 1939
3 Claims. (Cl. 250—20)

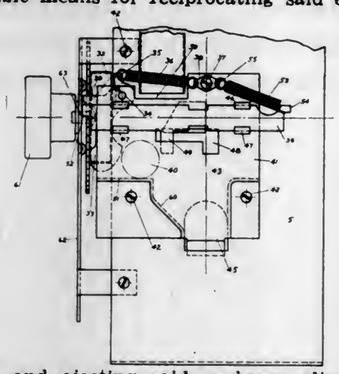


1. In a mixing circuit, a diode rectifier, a resistance connected to the cathode of the rectifier, a condenser shunting only a portion of said resistance, and the series connection between the rectifier anode and said cathode resistance of a pair of tuned circuits and a local source of oscillations, one of the tuned circuits being resonant to the frequency of the incoming signal oscillations and the other of said circuits being resonant to an intermediate frequency resulting from mixing of the local oscillations with the signal oscillations.

2,253,854
VENDING MACHINE
Ernest W. Handley, Arlington, and Walter G. Segerstrom, Somerville, Mass., assignors to Trimount Coin Machine Company, Boston, Mass., a corporation of Massachusetts
Application January 26, 1939, Serial No. 252,918
4 Claims. (Cl. 312—67)

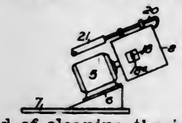
1. In combination in a vending machine for vending flat packages, means for supporting a plurality of vertical columns of the packages to be vended in rows with a space between the columns slightly larger than that of the packages to be vended, said columns supporting means having at their bases, openings adjacent said space, means positioned to engage said openings for ejecting the packages from the bases of said columns comprising a member having its end portions raised the thickness of said packages to engage said openings at the bases of said columns,

said end portions being spaced from each other at their nearest edges the distance of the space between the columns plus the width of one of said columns, means manually rotatable, and means adapted to be operated by said manually rotatable means for reciprocating said ejecting



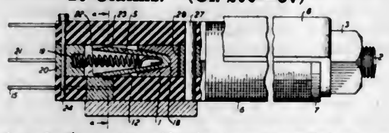
means and ejecting said packages alternately from the base of each of said columns into the space therebetween, said space being covered by a wall having an opening therein through which the ejected articles pass when moved into said space.

2,253,855
METHOD OF CLEANING PANS
George Harback, Denver, Colo.; Mable C. Harback administratrix of said George Harback, deceased
Application September 21, 1939, Serial No. 295,852
1 Claim. (Cl. 15—269)



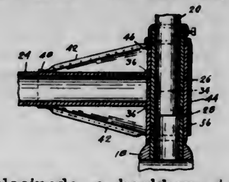
The method of cleaning the inside surfaces of a cake pan or the like having an outwardly flaring side wall, comprising the steps of initially soaking the pan in liquid at approximately room temperature to soften and loosen adhering matter therein, continuously rotating the pan at a relatively high rate of speed about an axis inclined from the vertical and with the open side of the pan uppermost to maintain internal visibility, directing a stream of liquid into the pan through the open side from a point adjacent the upper rotating edge of the pan and holding a pad containing metallic cleaning fibres in relatively stationary position against the lower inner rotating surfaces of the pan.

2,253,856
RELAY
Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 26, 1939, Serial No. 286,501
10 Claims. (Cl. 200—87)



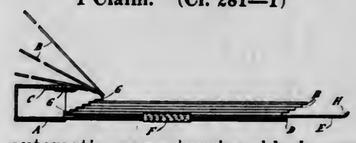
1. An electromagnetic device comprising a coil, a magnetic structure having a core with a socket in one end thereof, pole-pieces, means for circularly disposing said pole-pieces around said aperture, and an armature seated in said socket adapted for rolling motion between said pole-pieces, said coil upon its energization producing a turning moment in said armature to roll said armature into contact wth one pole-piece or the other depending upon the direction of the magnetic force.

2,253,857
VELOCIPEDE
Knute W. Hedstrom, Gardner, Mass., assignor to Hedstrom-Union Company, Gardner, Mass., a corporation of Massachusetts
Application February 4, 1939, Serial No. 254,671
4 Claims. (Cl. 287—54)



1. In a velocipede, a backbone tube, a cross tube welded onto the end of said backbone tube, and a shield comprising two complemental stampings secured in juxtaposition about and enclosing the proximate parts of said tubes and the joint therebetween, said shield being rigid and each stamping being separately directly secured rigidly and permanently to both of said tubes remote from the joint by welding and constituting a brace for the joint.

2,253,858
AUTOMATIC PAGE-TURNING BLOCK
Helmut Lucas, Leipzig, and Max Dathe, Markkleeberg, Germany
Application February 3, 1939, Serial No. 254,348
In Germany July 10, 1937
1 Claim. (Cl. 281—1)



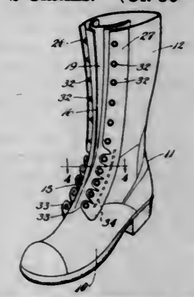
An automatic page turning block, comprising a plurality of stiff sheets of like size stacked in stagger formation, the rear margin of each but the top sheet protruding to the back from under the overlying sheet, a pocket having a bottom, rear and top wall, said top wall extending short of the back edge of the top sheet of said plurality of sheets, when said plurality of sheets is inserted in said stacked stagger formation into said pocket and the rear edge of the bottom sheet of said plurality of sheets substantially abuts against said rear wall, a flexible tape extended over and attached upon the protruding rear margins of said sheets and upon a corresponding rear margin of the top one of said plurality of stiff sheets and folded back from the rear margin of the top sheet onto and attached upon said top wall, so that said sheets will be successively swung up, when said stacked plurality of sheets is pulled out from said pocket, and a guide means extending from said bottom wall and confining the bottom one of said plurality of sheets bottomwise and transversely, when said plurality of sheets is pulled out from said pocket.

2,253,859
DUAL CAPACITY COMPRESSOR SYSTEM
Burr Ward Mantle, Pittsford, N. Y., assignor to The American Brake Shoe and Foundry Company, a corporation of Delaware
Application April 12, 1940, Serial No. 329,251
2 Claims. (Cl. 230—58)



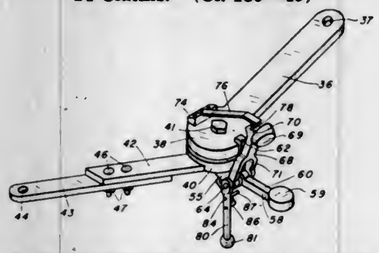
1. In a compressed air supply system in combination, a compressor for compressing said air, a grooved pulley on said compressor, a base supporting said compressor, a horizontal tank for receiving said compressed air, means securing said base to said tank, an electric motor slidably carried on said base and guided along a line angular with respect to the plane of the pulley on said compressor, a pulley for driving said compressor, a pulley on said motor having a V shaped groove selectively settable to one effective pitch diameter for driving said compressor at a comparatively low speed when the system is to be operated at a high pressure and a low volume rate with said motor operating under full load conditions, and settable to a second effective pitch diameter for driving said compressor at a comparatively high speed when the system is to be operated at a low pressure and a high volume rate with said motor operating under full load conditions, and spring means connected to said base and to said motor for urging said motor along said line in a direction away from said compressor, thereby aligning the V shaped groove in the pulley on said motor with the pulley on said compressor and at the same time keeping the belt taut for each type of operation.

2,253,860
ARTICLE OF FOOTWEAR
Frederick H. Martin, Belmont, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 24, 1940, Serial No. 347,211
2 Claims. (Cl. 36—50)



1. An article of waterproof rubber and fabric footwear of the type having foot and leg portions comprising a lacing stay structure at the front thereof extending downward over the instep region, said stay structure comprising at said instep region a plurality of lacing tabs individually flexible and bendable for lacing across said region with minimum pressure of the footwear on the foot in such region under flexure, and a stiffly flexible strip reinforcement embedded in the material of said stay structure adjacent the roots of said tabs.

2,253,861
THERMALLY CONTROLLED RELEASE MECHANISM
Frank McKune and Donald W. Kennedy, Seattle, Wash.
Application September 11, 1940, Serial No. 356,308
14 Claims. (Cl. 189—49)



1. A thermally controlled release mechanism comprising a pair of tensioned brace arms pivoted together, each arm including a pivot head having a notch capable of being aligned with a notch in the other head when they are placed in an adjusted position, pivot arms on the lower of said pivot heads, a bell-crank latch pivoted on said pivot arms and having a latch leg cooperable with the said notches when they are aligned to retain the brace arm in adjusted position, said bell-crank latch arm also having an anvil leg, a gravity-actuated hammer lever mounted on said pivot arms for swinging movement into engagement with said anvil lever, a reset lever pivoted on said pivot arms and cooperable with said bell-crank latch and said hammer lever, and thermally operated means for retaining said hammer leg in a raised position above said anvil leg whereby the exposure of the thermally operated means to abnormal heat will effect the release of the hammer lever to the urgence of gravity causing the hammer to strike the anvil leg to effect the disengagement of the latch lever from the aligned notches.

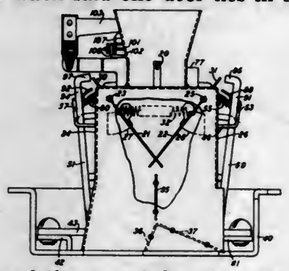
2,253,862
CLEANUP AGENTS
John D. McQuade, Lakewood, Ohio, assignor to Kemet Laboratories Company, Inc., a corporation of New York
No Drawing. Application February 15, 1938, Serial No. 190,583
4 Claims. (Cl. 250—27.5)

1. Clean-up agents, for thermionic valves, composed of comminuted active getter alloy of barium and magnesium and from 7% to 15% by weight of at least one comminuted refractory oxide selected from the group consisting of alumina, silica, and magnesia which under flashing conditions is substantially inert and non-volatile.

2,253,863
COIN COLLECTOR APPARATUS
John M. Melick, Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1940, Serial No. 313,329
3 Claims. (Cl. 232—57.5)

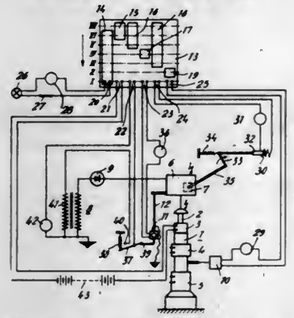
1. In a coin collector, a coin hopper, a substantially vertical coin passage in said hopper, a supporting means across said passage for arresting coins deposited in said hopper, said supporting

means comprising two oppositely hinged trap doors each normally downwardly inclined from the horizontal with their free ends engaging each other to form a V-shaped coin supporting surface, each of said doors being adapted to be moved downwardly to a coin discharging position more nearly approximating the vertical, means for holding said doors in coin supporting position, a collect chute beneath one of said doors but normally completely closed to coin entrance by said one door when said one door lies in its normal



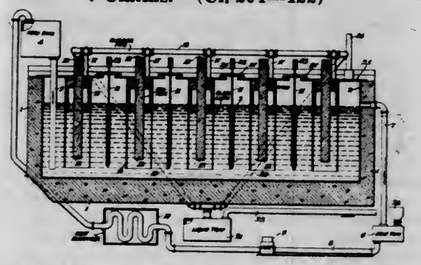
position and the second door is in its coin discharging position, a refund chute beneath the second of said doors but normally completely closed to coin entrance by said second door when said second door lies in its normal position and said first door is in its coin discharging position, and means for opening one of said doors to a position discharging deposited coins into the chute beneath the open door while maintaining the other of said doors in its normal position guarding the entrance to the other chute.

2,253,864
SWITCHING ARRANGEMENT FOR ELECTRON MICROSCOPES
Heinz Otto Müller, Berlin-Spandau, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application June 14, 1939, Serial No. 279,036
In Germany June 14, 1938
3 Claims. (Cl. 250—27)



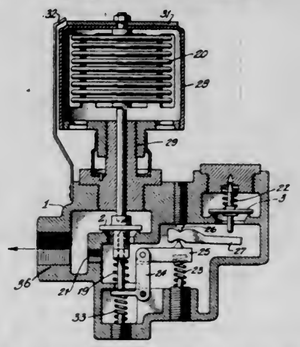
1. An electron microscope having an irradiating device for emitting electron rays, means for energizing said irradiating device, said means comprising a low voltage primary circuit and a high voltage secondary circuit, in combination with high voltage switching means interposed between said secondary circuit and said irradiating device, low voltage switching means for controlling said primary circuit, further switching means connected with said condenser coil for controlling the energization of said coil, and a coupling connection between said different switching means for sequentially operating said different switching means so as to first close said secondary circuit and then energize said primary circuit to apply substantially the full operating voltage to said device before said coil is energized.

2,253,865
PROCESS FOR ELECTROLYZING SOLUTIONS CONTAINING TIN
Daniel Lattimer Ogden, Woodbridge, and Max F. W. Heberlein, Rahway, N. J., assignors to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application August 6, 1937, Serial No. 157,690
7 Claims. (Cl. 204—122)



1. Electrolytic process for depositing tin without the necessity of interruption of the operation comprising electrolyzing an acidified aqueous solution of tin tetrachloride containing at least approximately 30 grams of tin per liter of said solution and approximately 45 to 120 grams of hydrochloric acid per liter of solution, to effect deposition of the tin while forming chlorine and hydrochloric acid, the said concentration of hydrochloric acid in the electrolytic solution being maintained by maintaining the solution at a temperature of about 80° F. to 100° F., by adding tin chloride from time to time during the course of the electrolysis and by removing chlorine from the solution, whereby a dense deposit of tin is effected and resolution of the deposited tin is negligible.

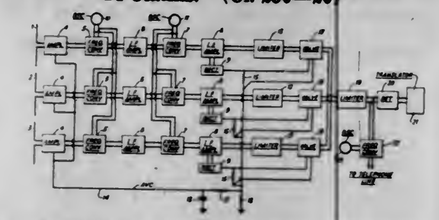
2,253,866
FLOW AND TEMPERATURE REGULATOR FOR GAS BURNERS
August Quoos, Chicago, Ill.
Application May 14, 1937, Serial No. 142,657
10 Claims. (Cl. 236—1)



7. In a fuel gas regulator, a valve, a spring and thermostat cooperating to control the position of said valve, a lever operated by the valve stem, a snap acting device actuated by said lever, a shut-

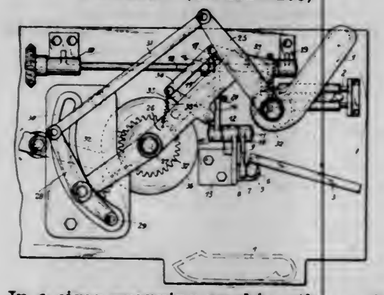
off valve operated by said snap acting device, and a conduit for conducting gas to a burner through both said valves in series.

2,253,867
DIVERSITY RECEIVING SYSTEM
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 23, 1940, Serial No. 353,907
14 Claims. (Cl. 250—20)



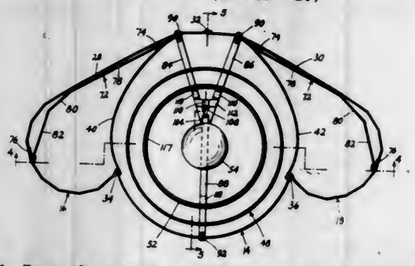
1. A diversity receiving system comprising a plurality of spaced antennas, a receiver coupled to each antenna and including an amplifier, a valve unit coupled to the output of the amplifier of each receiver, a common receiving circuit coupled to the outputs of said valve units, a rectifier also coupled to the output of each amplifier for deriving a portion of the energy therefrom, an impedance in the space current path of each rectifier, and means for biasing each valve unit over a path including in series the said impedance of the rectifier associated with the same receiver, whereby the flow of current through a rectifier causes a direct current to flow through its associated impedance and produces a change in the bias of the valve unit in circuit therewith.

2,253,868
APPARATUS FOR CLEANING THE SUCTION SURFACE ON A SUCTION HEAD CARRYING WRAPPERS IN CIGAR MACHINES
Constantin Friedrich Röber, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application June 7, 1939, Serial No. 277,809
In Germany June 22, 1938
4 Claims. (Cl. 131—105)



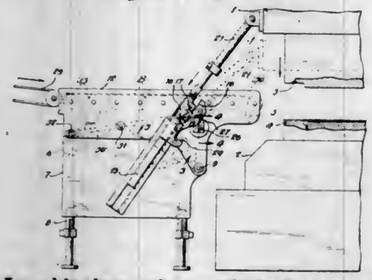
1. In a cigar wrapping machine, the combination with the usual suction head and a swinging support therefor to move the head from the cutting table to the wrapping mechanism, a scraper disposed between the cutting table and the wrapping mechanism, a vertically movable support for the scraper, and periodically operating means connected to the support for raising the scraper into a position for contact with the lower surface of the suction head during the return movement thereof from the wrapping mechanism to the cutting table whereby the lower surface of the suction head will wipe said scraper during the return movement of the suction head.

2,253,869
CHANGEABLE EXHIBITOR
Jacob I. Robin, New York, N. Y., assignor to International Mutoscope Reel Co. Inc., New York, N. Y., a corporation of New York
Application February 7, 1939, Serial No. 255,008
3 Claims. (Cl. 40—40)



1. In a changeable exhibitor, a frame comprising a central section having a front wall, lateral sections at opposite sides, respectively, of said central section, each lateral section having a front wall portion joined to the adjacent side edge of said front wall of the central section and a side and rear wall portion, said wall portions of said lateral sections defining chambers at opposite sides, respectively of said central section, said front wall of said central section and said front wall portions of said lateral sections each having an opening therein, a reflector mounted in each of said chambers of said lateral sections adjacent the side and rear wall portions thereof, a light permeable member in said central section, a lamp within said member, a rotary member mounted for rotation about said light permeable member and sufficiently transparent to permit the passage of light from said light permeable member, said rotary member being constructed and arranged to carry thereon one or more elements and positioned in relation to said reflecting members for reflection by the latter, and means for actuating said rotary member.

2,253,870
PRESS LOADING DEVICE
Henry Sahlin, Detroit, and John R. Young, Farmington, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 1, 1940, Serial No. 359,272
8 Claims. (Cl. 271—8)



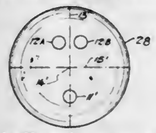
1. In a blank or other work feeding apparatus for presses or other machines, the combination of a frame, a table pivoted thereon, normally

resting in substantially horizontal position, and means arranged to cooperate with the machine into which the work blank is to be fed for tilting the table to an inclined position to allow the blank to slide off the table and into the machine where the operations are to be performed upon the blank, the said means comprising a draft device that picks up the table at one point and after a given tilting of the table releases and allows the table to drop.

2,253,871
METHOD OF ACTIVATING CATALYSTS
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 16, 1938, Serial No. 225,196
5 Claims. (Cl. 204—140)

1. The method of activating a massive metal hydrogenation catalyst contaminated with organic materials which comprises subjecting the catalyst to electrolytic oxidation in an aqueous solution of alkali metal hydroxide having a pH of from 11 to 13.5, and thereafter subjecting the oxidized catalyst to a reducing treatment.

2,253,872
BOWLING BALL
Frank Serpico, Philadelphia, Pa.
Application January 11, 1940, Serial No. 313,351
2 Claims. (Cl. 273—63)



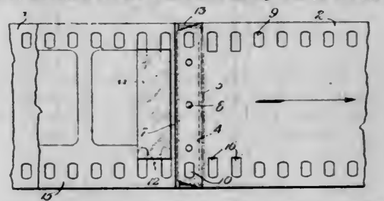
1. A bowling ball grip comprising a bowling ball having a thumb hole and at least one finger hole spaced from said thumb hole with openings to said holes symmetrically disposed with respect to a diametral circle of the ball which passes through the center of said thumb hole, said thumb hole extending in a direction away from the little finger side of the hand, and at least one finger hole extending in a direction slightly toward the little finger side of the hand.

2,253,873
CHROMIUM-MOLYBDENUM-CARBON ALLOY
Jacob Trantin, Jr., Youngstown, Ohio
No Drawing. Application June 18, 1941, Serial No. 398,566
5 Claims. (Cl. 75—125)

1. An alloy comprising between about 1.5 and about 5.0 percent carbon, between about 15.0 and about 30.0 percent chromium, between about 1.5 and about 10.0 percent molybdenum, up to about 10 percent copper, and the remainder substantially all iron, said alloy being characterized by a Brinell hardness of over 600 in its cast state and without heat treatment, and by particularly high wear-resistance.

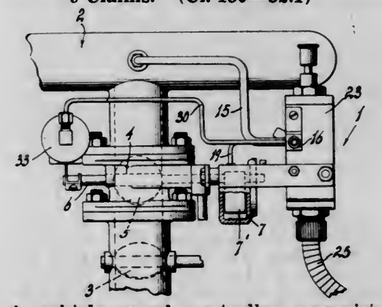
2,253,874
FILM COUPLING
William B. Tucker, Hollywood, and Frank W. Taylor, Los Angeles, Calif., assignors to Technicolor Motion Picture Corporation, Los Angeles, (Hollywood), Calif., a corporation of Maine
Application April 4, 1940, Serial No. 327,832
3 Claims. (Cl. 88—19.5)

1. A film coupling for detachably interconnecting two strips of cinematographic film or the like comprising two ribbons of thin flexible material, means for attaching the ribbons to the ends of said strips respectively, one of said ribbons having its end folded back with the opposite edges of the folded portion secured together to form a pocket and the other ribbon having its end folded back to form a hook which is adapted to hook into



said pocket, said material being form-retaining so that the hook does not pull out of the pocket when the coupling is subjected to considerable tension and the overlapping portions of the hook and pocket having an interfitting lug and socket adapted to snap into and out of interengagement to restrain accidental displacement of the hook from the pocket.

2,253,875
SPEED CONTROLLER AND BRAKE
Claude A. Vatter, Long Beach, Calif.
Application May 28, 1938, Serial No. 210,633
9 Claims. (Cl. 180—82.1)



1. A vehicle speed controller comprising a valve, an intake manifold of an engine in which the valve is mounted, an air motor, a piston in the air motor operatively connected to the valve to open and partly close the same, a speed sensitive device of the weight type mounted adjacent said motor, drive means extending from the vehicle to the speed sensitive device whereby the speed sensitive device is driven as the vehicle operates, air control means operable by the speed sensitive device and connected to said speed sensitive device, said control means being adapted and arranged to direct air from the motor, whereby the piston of said motor is caused to move and partly close the valve, an air cylinder, said control means also controlling the air cylinder, and means operatively connecting the air cylinder to the valve whereby the valve is completely closed on operation of the air cylinder.

2,253,876
ENVELOPE
Carroll V. Walters, Kansas City, Kans., assignor of one-half to Henry J. Burasco, Kansas City, Mo.
Application May 15, 1939, Serial No. 273,734
2 Claims. (Cl. 229—86)

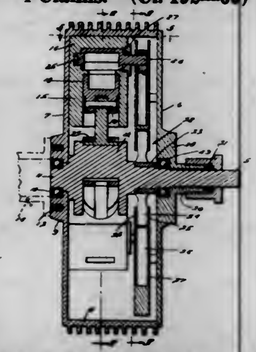
1. An enveloping blank comprising a body por-

tion, a flap at one end of the body portion and separated therefrom by a fold line, a second flap projecting from the first flap and separated therefrom by a fold line in angular relation to the first fold line, said second flap having a free edge



alined with one side edge of the body portion and being adapted to be brought into parallelism with the first fold line, and a flexible severing element extending along the alined edges of the body portion and said second flap.

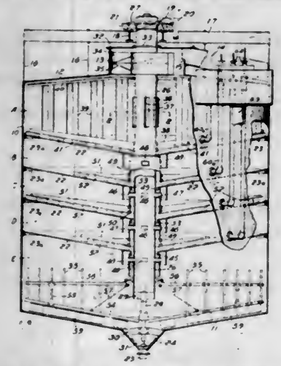
2,253,877
AUTOMATIC TRANSMISSION
Wilfred Quayle Watterson, South Pasadena, Calif., assignor to Kenneth Lynn Frazier, San Gabriel, Calif.
Application January 24, 1941, Serial No. 375,853
4 Claims. (Cl. 192—60)



1. A transmission comprising a housing, a driven shaft extending from the housing, a drive shaft extending into the housing and provided with a crank at the housing end thereof, cylinders carried by the housing, pistons operative in the cylinders, pitmans connected to the pistons and being operatively associated with the crank, passageways in the heads of the cylinders communicating the interiors of the cylinders with the interior of the housing, rotary valves traversing the passageways, a fluid impeller carried by the drive shaft and at the inside of the housing, a control structure surrounding the impeller and having a plurality of passageways extending outwardly therethrough and control arms in the passageways of the control structure operatively connected with the valves.

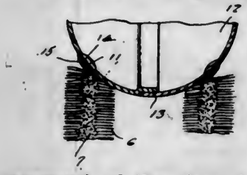
2,253,878
TRAY CLARIFIER
William C. Weber, Westport, Conn., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application July 27, 1940, Serial No. 347,837
11 Claims. (Cl. 210—55)

1. A tray clarifier comprising a tank, a plurality of substantially horizontal partitions mounted in said tank and dividing the latter into a plurality of superposed compartments and each formed with a central opening, means for introducing liquid to be clarified into the uppermost of said compartments, a vertical center column assembly rotatably mounted in said tank and extending through the central openings in said partitions and formed to provide separate concentrically arranged vertical passageways, one of said passageways constituting a feed conduit, ports in the conduit in communication with said compartments for conducting liquid to be clarified from said uppermost compartment to the subjacent compartments, and the other of said passageways being open at its lower end to the lowermost compartment and comprising wall portions with openings between them in com-



munication with the upper compartments and adapted to discharge into the lowermost compartment settled sludge received from upper compartments, means for rotating said assembly, means in each of said upper compartments for impelling solids settling therein toward the center thereof and into said last mentioned openings, means for withdrawing clarified liquid from some of said compartments, and means for withdrawing settled sludge out of the clarifier from the lowermost compartment thereof.

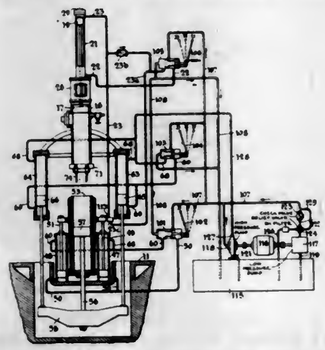
2,253,879
CHRISTMAS TREE ORNAMENT
Herbert E. Wenrich and Pearl A. Wenrich, Berwick, Pa.
Application July 23, 1940, Serial No. 347,027
4 Claims. (Cl. 41—10)



3. An ornament of the class described comprising a hollow body member, appendages for the body comprising a flexible core, strands of material anchored to the core and projecting laterally therefrom, said body having recesses in the surface thereof adapted for receiving one end of the appendages and means for securing the appendages in said recesses.

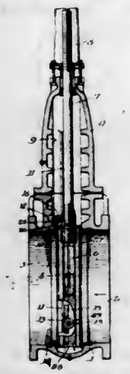
2,253,880
APPARATUS FOR PRODUCING CARBON DIOXIDE SNOW BLOCKS
William E. Zieber, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application April 27, 1940, Serial No. 332,051
18 Claims. (Cl. 62—121)

1. Apparatus for making carbon dioxide snow blocks, comprising a snow chamber and a press chamber, each having a closed end and an open end, said chambers being disposed in end-to-end relation with their open ends adjacent each other; a single pivoted closure for sealing the open ends of both chambers simultaneously; means for



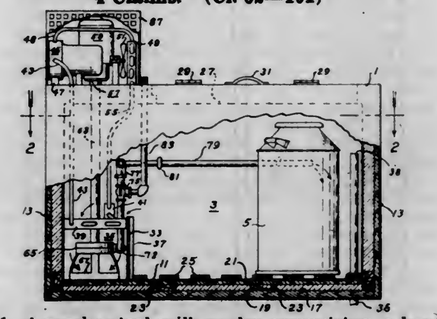
injecting liquid carbon dioxide into said snow chamber to form snow therein; positive mechanical means in said snow chamber for ejecting snow therefrom; and means for pressing the carbon dioxide snow in said press chamber against said closure.

2,253,881
VALVE
Andrew E. Anderson, Berwyn, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application August 21, 1939, Serial No. 291,117
1 Claim. (Cl. 251—56)



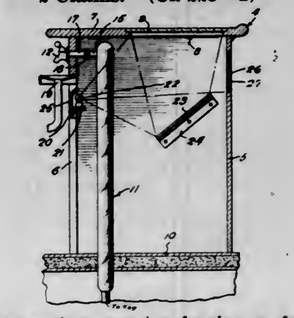
In a gate valve, a casing having an inlet and an outlet, a closure member therefor, an actuating stem connected to the said closure member, wedging means, bearing supports for the outlet portion of the said closure member, the said bearing supports comprising respective roller means positioned adjacent the stem connection between the said stem and closure member and also at each side adjacent the lowermost portion of the said closure member, tapered guide means for the said bearing supports within the said casing, the said guide means allowing for the outlet portion of the said closure member to move axially forward to contact with its seat when the said closure member is in substantial alignment with the casing outlet and to be withdrawn therefrom subsequent to movement of the said closure member in an opening direction.

2,253,882
MECHANICAL MILK COOLER
Nicholas Achs, Detroit, Mich., assignor to Frederick T. Hicks, Detroit, Mich.
Application June 20, 1940, Serial No. 341,401
4 Claims. (Cl. 62—101)



1. A mechanical milk cooler comprising, a heat insulating cabinet enclosing a milk cooling tank, partition means disposed in said cabinet for dividing off a chill chamber, said partition means being suitably selected and positioned so that the top edge thereof is slightly lower than the desired level of cooling liquid in said cooling tank so that the cooling liquid continues flowing over the partition and circulating when there are no milk containers therein, an open-type cooling element suitably disposed in said chill chamber for passing cooling liquid therethrough in intimate heat exchange relation as it flows from the cooling tank over the top of said partition into the chill chamber, conduit means connecting from the chill chamber to said cooling tank and comprising branches extending to the upper portion at opposite sides of the tank, and liquid impelling means for moving the chilled cooling liquid from the bottom of the chill chamber through said conduit means into the cooling tank.

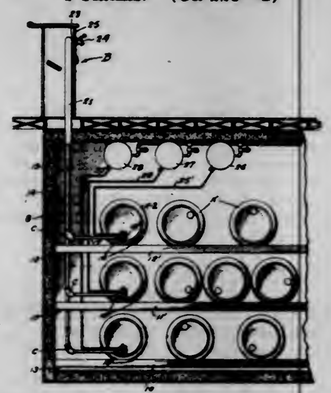
2,253,883
BEVERAGE DISPENSING DISPLAY BAR
Valentine Beecher, Greenville, N. Y.
Application September 17, 1938, Serial No. 230,486
2 Claims. (Cl. 225—1)



1. A dispensing counter having a front wall, a back wall and a substantially flat horizontal top, a transparent display panel in the front wall adjacent to but below the level of the top, a transparent display panel in the top lying in the plane of said top and located between its longitudinal center and front edge, leaving a solid opaque portion of the top lying in rear of said display panel, a liquid conducting riser arranged within the counter in rear of the vertical plane of the rear edge of the top panel and adjacent

to but in advance of the rear wall and extending upwardly to a level above the panel in the front wall and to a point adjacent to and beneath the opaque rear portion of the top so that its upper portion will be exposed to view through said panels, a source of light mounted on the rear wall in rear of the riser so as to illuminate the upper portion of the interior of the counter and so that light rays therefrom will shine through both panels, and a mirror or reflector arranged between the vertical center of the counter and the front wall to lie beneath the top panel, said mirror or reflector having its reflecting face inclined at a rearward and downward angle toward the back wall from a point adjacent to but below the level of the panel in the front wall so as to avoid obstruction to the passage of light rays to said panel but so as to intercept light rays from the illuminating means and reflect the same upwardly toward the top panel and backwardly toward the liquid conducting riser whereby the riser will be attractively illuminated for view through both panels and reflected also when viewed through the top panel in the face of the mirror.

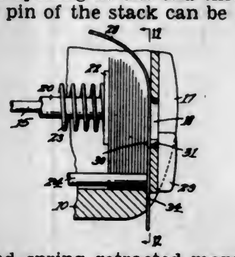
2,253,884
BEVERAGE DISPENSING SYSTEM
Valentine Beecher, Greenville, N. Y.
Application September 21, 1938, Serial No. 231,079
4 Claims. (Cl. 225—1)



1. Equipment for dispensing beverages under fluid pressure comprising, a storage room, beverage containers positioned at different levels in the storage room, dispensing apparatus disposed substantially on a common level, connecting means between the dispensing apparatus and the containers, and means to apply pressures to the several containers, the said pressures differing from one another in accordance with the levels of the containers relative to the dispensing apparatus to maintain uniform pressures at the dispensing apparatus.

2,253,885
FEEDING DEVICE FOR HAIRPINS AND THE LIKE
Louis V. Bregou, Worcester, Mass.
Application December 7, 1938, Serial No. 244,495
9 Claims. (Cl. 312—35)

1. A hair pin feeding device comprising a casing, a rod extending longitudinally thereof, a coil spring on the rod, a plate movable along the rod by the action of the spring and adapted to receive a stack of hair pins in front of it, means extending longitudinally of said casing for guiding the hair pins in a direction parallel to the longitudinal action of the spring, said casing having a side opening at one end through which the end hair pin of the stack can be removed at

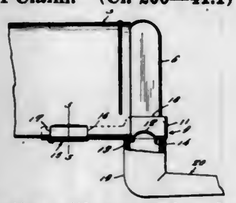


any time, and spring retracted manually operable means engageable with the end pin to so remove the hair pin, said means being secured to the casing.

2,253,886
PLASTIC PRODUCT
Edgar C. Britton, Gerald H. Coleman, and John W. Zemba, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application May 24, 1938, Serial No. 209,737
13 Claims. (Cl. 260—36)

1. A composition of matter comprising a polymerizate of styrene and an aryloxy-alkyl ester of an unsaturated acid.

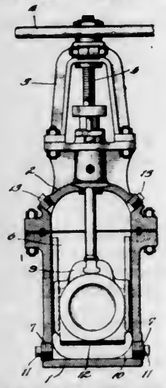
2,253,887
DISPENSING CONTAINER
Robert H. Brosius, Fort Wayne, Ind.
Application November 14, 1939, Serial No. 304,406
1 Claim. (Cl. 206—41.1)



In combination with a container having a narrow side edge and an open end, and a cover for said end, an elongated spout of the same cross sectional shape as that of the narrow side edge and said spout being slidably arranged on the outer face of said side edge, the outer end of the spout being closed by a wall which overlaps a portion of the open end of the container when the spout is in its inward position, the spout being slidable to have its outer end project beyond the open end of the container to receive material from the container when the same is tilted and said outer end of the spout having a discharge opening in its bottom, the cover of the container overlapping the outer end of the spout when the spout is in its inward position and the cover is closed.

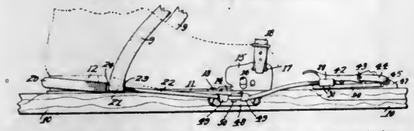
2,253,888
VALVE
Ralph G. Carlson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application July 1, 1939, Serial No. 282,451
2 Claims. (Cl. 251—59)

1. A valve comprising a casing having a passageway therethrough, a bonnet therefor, a closure member for the said passageway, the said closure member having a lower depending lip portion, the said casing providing a pocket in the lower portion thereof for the accumulation of sediment, the said casing providing a chamber in the upper portion thereof in communication with the said pocket, the said bonnet having normally closed openings therefrom, the said casing having normally closed opposed openings level with the floor of the said pocket to form a substantially unbroken passage between said opposed



openings, whereby upon the valve being closed and piped connections being made at said normally closed openings of the said bonnet, sediment within the said pocket may be forcibly rodded therefrom, and whereby upon the valve being partially opened, the lip portion of said closure member serves to divert a portion of the pipeline fluid into the said pocket to displace sediment therefrom into the said upper chamber to complete a cycle of circulation between the respective openings of the said bonnet and the said casing.

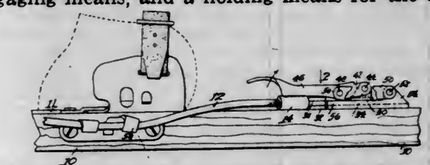
2,253,889
SKI HARNESS
Elbert H. Carroll, West Boylston, Mass.
Application March 11, 1939, Serial No. 261,393
13 Claims. (Cl. 280—11.35)



1. A clamp for a ski harness comprising an elongated bracket adapted to be fixed on a ski, a toggle comprising a link pivotally mounted on the bracket and an operating lever pivotally connected with the link, a flanged adjusting bar, a cable, means for adjustably securing the end of the cable to said bar, and means for pivotally connecting the lever with said bar for directly operating on the bar by said lever, whereby the bar is movable relative to the bracket, the bar being guided by its flange along the bracket.

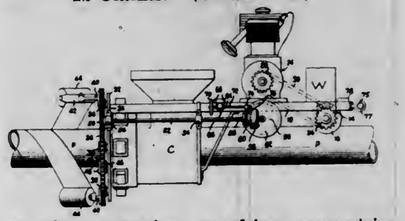
2,253,890
SKI HARNESS
Elbert H. Carroll, West Boylston, Mass.
Original application March 11, 1939, Serial No. 261,393. Divided and this application February 5, 1940, Serial No. 317,302
16 Claims. (Cl. 280—11.35)

1. In a ski harness, an adjusting bar having engaging elements along one edge, a slide having a passage for the bar and having engaging means complementary to the first named engaging means, and a holding means for the end



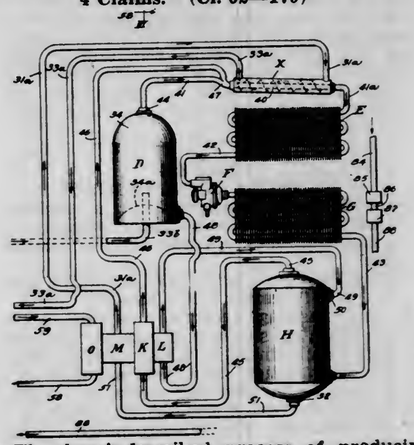
of a cable movably mounted on the slide and having a bar-engaging surface mounted in position to hold the bar in the slide with the complementary engaging means clamped together.

2,253,891
PIPE WRAPPING MACHINE
James D. Cummings, Houston, Tex., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application December 7, 1938, Serial No. 244,409
12 Claims. (Cl. 242—11)



1. A pipe wrapping machine comprising a frame, means for producing relative translational movement between the frame and a pipe or other object to be wrapped, means for applying wrapping material in spirals around said pipe, and means operated solely by said relative translational movement for driving said wrapping means.

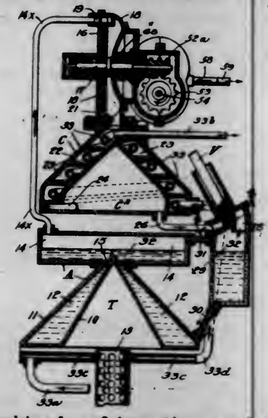
2,253,892
ABSORPTION REFRIGERATION PROCESS
Ralph S. Clayton, Wichita, Kans.
Application February 2, 1940, Serial No. 317,012
4 Claims. (Cl. 62—179)



3. The hereindescribed process of producing refrigeration by absorption comprising the heating of a refrigerant-laden absorbent, driving off

the refrigerant by vaporization, separating the refrigerant and absorbent in an analyzer, passing the refrigerant to a condenser and chilling coil, passing the spent refrigerant to an absorber, carrying the separated absorbent from the analyzer to the absorber, passing the refrigerant and absorbent through the absorber in opposed tortuous courses, directing unabsorbed refrigerant gases from the absorber to the condenser for a further cycle of operation, and directing the refrigerant-laden absorbent from the absorber to be again heated to repeat the cycle.

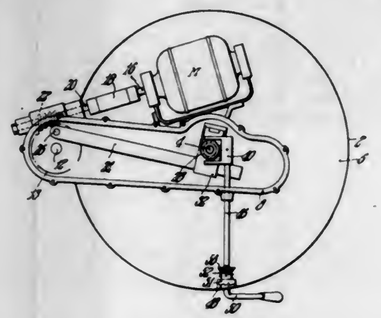
2,253,893
COMBINATION PRESSURE AND ABSORPTION TYPE REFRIGERATION DEVICE
Ralph S. Clayton, Wichita, Kans.
Application February 2, 1940, Serial No. 317,013
10 Claims. (Cl. 62—5)



5. A combined refrigerating system of the compression and absorption type comprising a mercury vapor generator, an analyzer, a condenser and chilling coil, an absorber and a plurality of pumps and a compressor, conduits connecting the several elements for providing a plurality of circuits, said mercury vapor generator including a coil for the passage of a rich liquor to be volatilized, turbine means carried by the generator and operable by the mercury vapor, means whereby the exhaust mercury vapor is caused to impinge upon the said coil, a source of heat for the generator, temperature control means for the source of heat, and means operable by the turbine means for imparting driving movement to the said pumps and compressor.

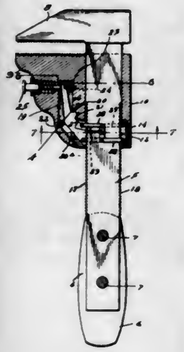
2,253,894
WASHING MACHINE DRIVE
Hiram D. Croft, Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application December 2, 1939, Serial No. 307,269
9 Claims. (Cl. 74—78)

1. In a washing machine, a support, an oscillatable agitator shaft, and means for oscillating said shaft through various angles, comprising in combination, a driven member on said shaft, a drive member and means to reciprocate the same, said drive and driven members having complemental angularly disposed frictionally engageable faces whereby the latter is oscillated through various angles of oscillation according to pressure applied to urge said drive and driven members towards one another, a pressure member operable against said drive member as it reciprocates to urge the same towards said



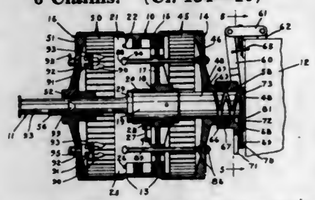
driven member, and means movable transversely to the plane of reciprocation of the drive member acting on said pressure member to urge said member towards said drive member.

2,253,895
WRENCH
Robert Denovich, Barberton, Ohio
Application November 29, 1940, Serial No. 367,840
1 Claim. (Cl. 81—139)



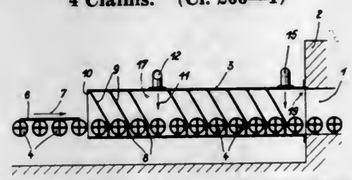
In a wrench, a shank, a relatively fixed jaw on one end of the shank, a sleeve slidable on the shank and provided with recesses located at opposite edges of the shank, a movable jaw integral with the sleeve, ratchet teeth on said edges of the shank, opposed toothed dogs coacting with the ratchet teeth and arranged in the recesses, short levers pivoted intermediate the ends thereof within the sleeve at opposite sides of the shank, oppositely extending links pivoted to opposite ends of one of the levers and to the opposed dogs, oppositely extending links pivoted to the opposite ends of the other lever and to the opposed dogs to bring about a reverse movement of one of the dogs through the movement of the other dog by the actuation of the latter-named dog, a spring influenced lever pivotally mounted in one of the recesses and formed on the last-named dog and normally urging said dogs into engagement with the ratchet teeth, and a spring influenced finger plunger engaging the last-named lever and slidably mounted in the sleeve.

2,253,896
MACHINE FOR MAKING TIRE CASINGS
Charles H. Desautels, Springfield, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 10, 1939, Serial No. 250,153
6 Claims. (Cl. 154—10)



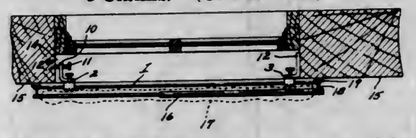
6. In a tire building machine, a rotatable building drum, a pair of cylindrical members mounted on opposite sides of the drum for movement to and from telescoping relation with the drum, and means to releasably couple said members together in a fixed predetermined spaced relation for simultaneous movement in the same direction with respect to the drum.

2,253,897
CONTRIVANCE FOR TREATING MATERIALS WITHIN A GAS ATMOSPHERE OF INCREASED PRESSURE
Wilhelm Doderer, Vienna, Germany
Application May 20, 1938, Serial No. 209,087
In Austria May 24, 1937
4 Claims. (Cl. 263—1)



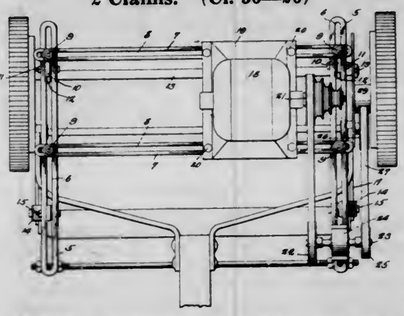
1. Apparatus for continuously treating materials in a gaseous medium under super-atmospheric pressure with a minimum of loss of said medium, comprising a treating chamber filled with said gaseous medium, means for maintaining said gaseous medium in said chamber at a super-atmospheric pressure, entrance and exit passages opening into said chamber for permitting movement of the material to be treated into and out of said chamber, closure means arranged in each of said passages, each of said closure means comprising a series of longitudinally spaced flaps normally substantially closing said passage, dividing said passage into a plurality of small antechambers, and successively displaceable upon movement of said material through said passages, means for introducing a second gaseous medium also under super-atmospheric pressure which is not greater than the pressure of said first named gaseous medium in the treating chamber, into one of said antechambers between certain adjacent flaps of each of said closure means, said last named introducing means being the only means of access to said passage other than past said flaps, in order to maintain the super-atmospheric pressure in said antechamber and in the other antechambers intervening between that one and the treating chamber, there being a plurality of said intervening antechambers; and control means directly responsive to the pressure in said treating chamber and controlling only the inlet means for said second gaseous medium for maintaining the pressure in said antechambers below that of said treating chamber, whereby flow of said second named gaseous medium into said treating chamber from said antechambers is prevented.

2,253,898
CURTAIN ROD SUPPORT
Michael A. Dodge, Detroit, Mich.
Application April 22, 1940, Serial No. 330,815
5 Claims. (Cl. 248—261)



4. A curtain supporting structure for detachably mounting in a window opening comprising a rod of greater length than the width of the opening, an adjustable bracket adjacent each end of the rod to variably position the brackets longitudinally thereof, each bracket having a portion extending into the opening, a screw in one of the extensions having a hardened cone like end whereby in turning the screw a seat is provided therefor in the adjacent side wall of the opening and forcing the other extension to pressure contact with the opposite side wall of the opening, said last named extension having portions thereof of a character to engage in the surface of the window opening contacted thereby, the said screw of one extension and the said projecting portions of the other extension preventing lateral displacement of the rod, the said rod being of greater length than the width of the opening and engaging the inner face of the wall on opposite sides of the window opening, and having a longitudinal slot at each end thereof opening through the said ends, and a curtain supporting bracket for each of the said ends comprising a base plate insertible in frictional engagement with the respective slot and a hook element extending outwardly therefrom and having a vertically disposed end portion for the purpose described.

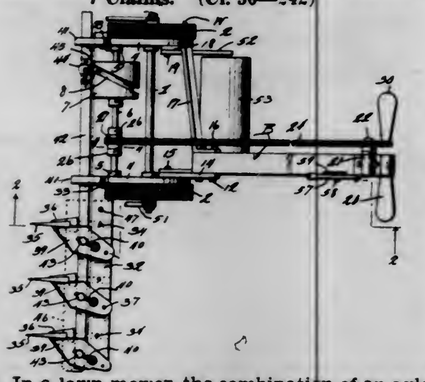
2,253,899
MOTOR MOWER
Samuel O. Duemler, Pacific Beach, Calif.
Application June 17, 1940, Serial No. 341,049
2 Claims. (Cl. 56—26)



1. A motor attachment for lawn mowers, comprising a frame embodying end bars having elongated openings, transversely disposed front and rear bars having elongated openings, the ends of the latter bars adapted to overlie the end bars, bolts extending through the elongated openings and adjustably connecting the bars, means for removably securing the frame to a

lawn mower frame, a motor adjustably mounted on the transversely disposed bars, and means for transmitting movement of the motor to the mower blades.

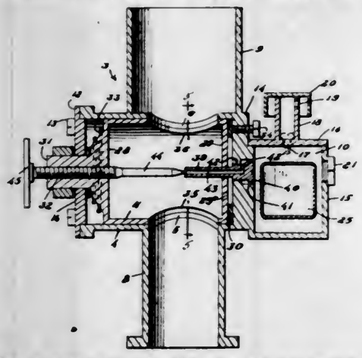
2,253,900
LAWN MOWER
Hans Ellingson and Oscar L. Barnes, Hamilton, Ohio
Application April 23, 1940, Serial No. 331,220
7 Claims. (Cl. 56—242)



1. In a lawn mower, the combination of an axle, ground engaging wheels mounted on said axle, end plates carried by the axle, one of said plates being positioned adjacent to each of the ground engaging wheels, a push bar connected to said end plates, a shaft rotatably supported by the lower forward portions of the end plates, driving connections between the shaft and the ground engaging wheels effective upon rotation of the ground engaging wheels in one direction and ineffective upon reverse rotation of said wheels, an elongated bar operatively supported by the end plates below but closely adjacent to the shaft, said bar extending outwardly beyond one of the ground engaging wheels, guards carried by the extended portion of said bar at points spaced therealong, cutting knives carried by said guards, a cutting blade positioned between each pair of adjacent guards for coaction with the cutting knives carried by the guards, means for pivotally connecting each of said blades with the bar, a second bar positioned in advance of the first named bar and closely adjacent thereto, means for pivotally connecting said second bar to all of the blades, coacting means carried by the shaft and the first named bar for reciprocating said second bar for oscillating the blades upon rotation of the shaft, and means common to all of the blades for imposing tension thereon with respect to the knives carried by the guards.

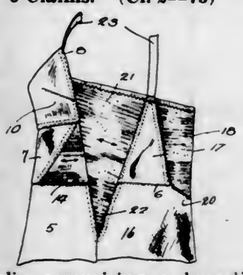
2,253,901
CARBURETOR
Alexander Ferguson, Richardson Park, Del.
Application November 5, 1940, Serial No. 364,458
1 Claim. (Cl. 261—49)

A carburetor including a body portion having the form of a valve comprising a cylindrical casing, a pair of diametrically opposite intake and discharge sleeves extending therefrom, a cylindrical hollow valve core fitted in said casing to form a mixing chamber therein, said core being diametrically ported to admit air thereto from said intake sleeve and to discharge mixture therefrom to said discharge sleeve and rotatable in said casing to adjust said ports relative to said sleeves and thereby vary the volume of intake and discharge, said core being endwise movable in said casing, means to introduce fuel into said core in finely divided form under control of endwise movement of said core, and means to cause



endwise movement of said core as an incident to rotation thereof comprising a cam on said core, a bearing member in said casing coacting with said cam under rotation of the core and adjustable to vary the action of said cam, and manipulative means for adjusting said member at will.

2,253,902
LADY'S UNDERGARMENT
Pauline Z. Gordon, New York, N. Y.
Application April 12, 1941, Serial No. 388,316
3 Claims. (Cl. 2—73)

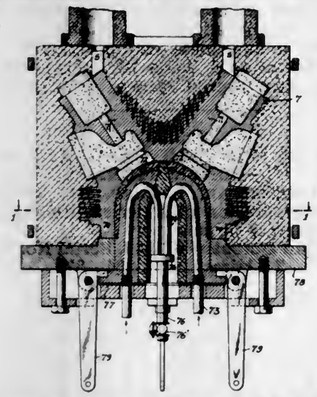


1. A bra-slip comprising a brassière section and a body covering portion below the waist line, said brassière portion including breast cups and a centrally disposed panel therebeneath including a triangular part at each side of said front panel of elastic material stretchable in a substantially horizontal direction and extending from the bottom of the breast cups to a line substantially at the waist line, a back section and triangular gores of elastic material between said back section and the triangular parts in the front panel and extending from the top to a point near the waist line, the direction of stretch of said side gores being downwardly and rearwardly at an acute angle with respect to the direction of stretch of said triangular front parts.

2,253,903
MOLD
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, a corporation of Illinois
Application August 2, 1938, Serial No. 222,599
1 Claim. (Cl. 22—126)

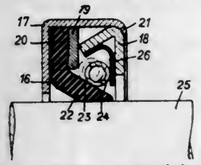
In a mold having therein a cavity for casting an internal combustion engine cylinder head, the

combination of a centrally apertured base plate supporting the mold, a plurality of rigid metal members projecting upward through the base plate aperture in laterally spaced relation, mold material covering said members to form a reentrant wall for the casting cavity and further mold material interposed between adjacent members, means supporting said members from said base plate for individual lateral movement with respect thereto toward the center of its aper-



ture under pressure of the cast metal shrinking during cooling, a lever for each of said members pivoted upon said base plate and engaging the lower end of its member for withdrawing it at will from the mold through the aperture in said base plate, said rigid metal members having passages therethrough, an individual cooling liquid supply conduit connected to each of said members, a common discharge manifold for said members and thermostatic means controlling the discharge of cooling fluid from said manifold.

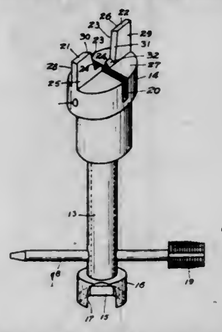
2,253,904
PACKING RING
Wilhelm Haug, Heilbronn-on-the-Neckar, Germany, assignor to Kupper-Asbest-Co. Gustav Bach, Heilbronn-on-the-Neckar, Germany
Application November 30, 1937, Serial No. 177,206
In Germany December 7, 1936
7 Claims. (Cl. 288—3)



1. A shaft packing comprising in combination, a casing surrounding the shaft, an elastic packing sleeve or ring in said casing in contact with the shaft surface, an annular spring surrounding the operative portion of the packing sleeve or ring and bimetallic members arranged in a circle in said casing to change the position and the pressure exerted by said annular spring on said sleeve or ring in response to changes in working temperature.

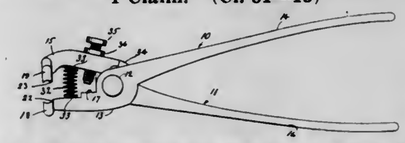
2,253,905
CUTTER
Francis W. Knobel, Sunburst, Mont.
Application November 18, 1940, Serial No. 366,115
3 Claims. (Cl. 29—105)

1. A reconditioning tool for a lubricator fitting having a tip to fit a grease gun nozzle, comprising a shank having a cutter head thereon, said head being equally divided by a diametral deep channel which includes the shank axis, and bored at right angles to and through the channel side walls, a substantially flat table portion on an end of the cutter head, also divided by said channel, a pair of integral ears each upstanding at right angles upon and beyond said table portion in coplanar relationship to one another, said ears having leading faces with diagonally opposed edges thereof sharpened to provide side cutters arranged in convergency toward the table portion of the cutter head, a portion of each ear being sharpened along a line adjacent and sub-



stantially parallel to the table portion to provide bottom cutters extending to the channel aforesaid, a floating apertured blade received in the channel and including side cutters and bottom cutters corresponding to those of the ears on the head, said bottom cutters being separated by a notch centrally located with respect to the length of the blade, a pin of smaller diameter than the floating blade aperture, and extending through the bore of the head and the aperture of the blade for loosely connecting the blade to the head, and cooperative means on the blade and the head for establishing a common elevation of the bottom cutters of the blade and the head when the tool is applied to a lubricator tip to be reconditioned.

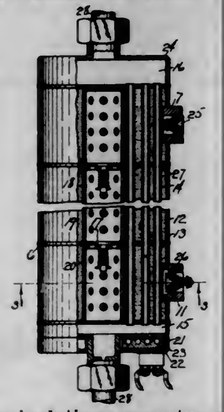
2,253,906
METAL BEAD BENDER
Marshall Lehman, Silver Spring, Md.
Application January 11, 1940, Serial No. 313,454
1 Claim. (Cl. 81—15)



A tool for producing a bend on beaded shapes and the like, comprising a pair of levers, a pivot pin jointing the levers together so as to form operating handles on one side and arms on the other side thereof, each of said arms having a transversely arranged free end part provided with a seat, said seat comprising a flat central portion and side portions inclined with respect to said central portion, a pair of opposing jaw members provided with arcuate and grooved work engaging surfaces of which one is male and the other female for producing said bend, the jaw members each having a flat central portion and inclined side portions corresponding to the flat and inclined portions of the seats in the arms,

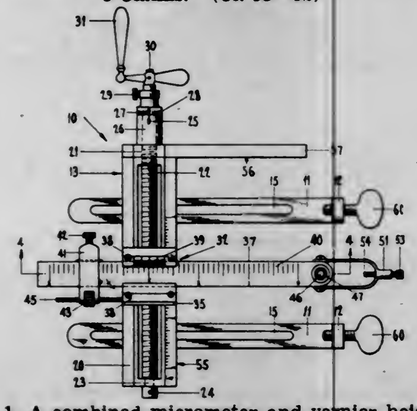
and means including apertures and bolts in said end parts and jaw members for removably securing said jaw members in their seats.

2,253,907
REFRIGERATING APPARATUS
Julius Y. Levine, Hartford, Conn.
Application December 15, 1936, Serial No. 115,931
9 Claims. (Cl. 62—5)



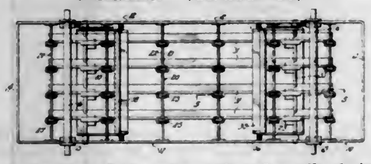
1. A gas manipulating apparatus comprising a shell including a chamber, a gas adsorbent therein, a series of liquid conducting tubes extending through said chamber and in heat exchange relation with the adsorbent therein, means for connecting the opposite ends of said tubes to provide a closed circulating system, means for separately heating the liquid within said tubes, means within said chamber for preventing backflow of said gas therein, and means for disposing of the gas driven off by the heated liquid.

2,253,908
HEIGHT GAUGE INDICATING SCRIBING TOOL
Joseph Lipani, Brooklyn, N. Y.
Application April 25, 1940, Serial No. 331,569
5 Claims. (Cl. 33—32)



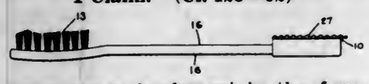
1. A combined micrometer and vernier height gauge, comprising two base-bars, a right-angular member having horizontal legs with vertical inner faces and being slidably mounted on said base-bars, said base-bars having angular upward extensions at one end and means in said extensions for clamping a work-piece against said right-angular member, a cross-slide slidably mounted longitudinally of one of said legs, micrometer means interiorly of said cross-slide carrying leg for adjusting said cross-slide, a graduated scale having vernier divisions thereon and being slidably mounted in said cross-slide and in parallel relation with one of the inner faces of said right-angular member, said scale being in overhanging and in right-angular relation with said cross-slide carrying leg, a scribing marker vertically adjustable at one end of said blade, and a swingable clamp mounted at the marker end of said blade for maintaining said marker in any desired vertical adjustment.

2,253,909
ART OF MANUFACTURING FROZEN CONFECTIONS
Ludwig Loewenstein, Chicago, Ill., assignor to Frigie Corporation of America, Chicago, Ill., a corporation of Illinois
Application October 22, 1938, Serial No. 236,408
7 Claims. (Cl. 294—87)



1. A device of the character described, including a frame, a plurality of sleeves supported in spaced relation in said frame and adapted to receive individual sticks, a single tiltably supported means for engaging or releasing the sticks, and means pivoting about an axis at right angles to the pivotal axis of said first named means for actuating the latter.

2,253,910
GUM MASSAGE IMPLEMENT
Franz Luenz, Hartford, Conn.
Application August 27, 1938, Serial No. 227,202
1 Claim. (Cl. 128—62)

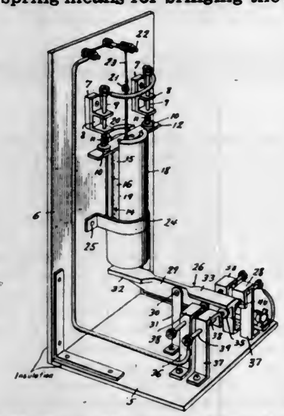


A gum massage implement in the form of a one-piece structure of soft rubber having top, bottom, two side, and two end walls, the top wall having a roughened top face for contacting with the gums under conditions of use, the side walls at the sides having appreciable downward depth and connecting with the bottom wall, the end walls serving as closures for the ends with one thereof punctured for the admission of a handle therethrough and located just above the bottom, the other end wall having a socket in registration with the puncture to receive the tip end of the handle, all walls cooperating to enclose an interior open space that is fully closed with the handle in place and that is fully open in the space between the top face of the handle and the top wall.

2,253,911
AUTOMATIC EMERGENCY LIGHT CONTROL SYSTEM
Kogen Matsukawa, Ewa, Honolulu, Territory of Hawaii
Application February 23, 1940, Serial No. 320,519
5 Claims. (Cl. 200—113)

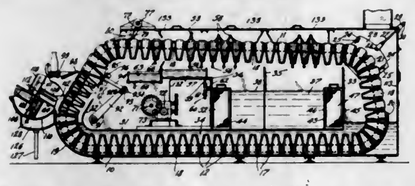
1. A switch of the character described com-

prising a gravitable body, a contact bridge carried by the body, a pair of contacts adapted to be bridged by the bridge member when the gravitable body is in elevated position, a fuse for suspending the body in a position holding the bridge member against the contacts, a second pair of contacts, spring means for bringing the last-men-



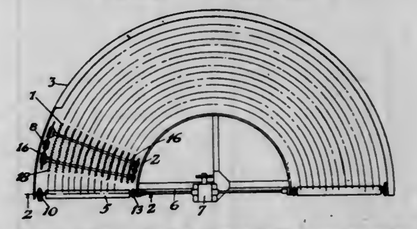
tioned contacts together, a spacer of insulation interposed between the last-mentioned contacts, said spacer being movably mounted and adapted to be displaced from between the last-mentioned contacts when the weight of the gravitable body is released against the same and pursuant to the disruption of the fuse.

2,253,912
BOTTLE WASHER
John P. McKinley and Wilbert P. Ackland, Buffalo, N. Y.; said Ackland assignor to said McKinley
Application January 27, 1937, Serial No. 122,560
17 Claims. (Cl. 141—7)



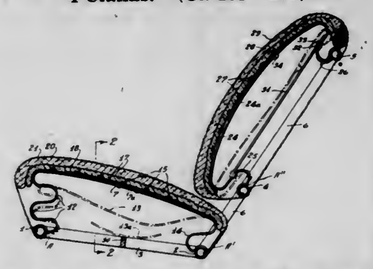
1. In a bottle washing mechanism, bottle conveying means having a plurality of pockets arranged to move in succession through loading position and movable intermittently through increments of movement, a loading element mounted for rotation about an approximately horizontal axis and disposed adjacent said loading position and having a plurality of bottle receiving pockets arranged angularly about the axis of rotation of said element, with the pockets above said axis exposed to receive bottles and opening outwardly and extending outwardly from adjacent the axis of rotation, a guard disposed below said loading element in proximity to the path of travel of the open ends of said loading pockets, so that when said loading element is rotated, any bottles disposed in said pockets will be retained in the pockets by said guard as the open ends of the pockets move downwardly, the direction of rotation of said loading element being such that the pockets are moving upwardly as they pass said loading position, and said guard terminating approximately at said loading position so that as each pocket moves upwardly past the edge of said guard at said loading position, the open end of that pocket will be uncovered by said guard and any bottle in that pocket may move into a pocket in said conveying means at loading position, means for imparting increments of movement to said conveying means separated by periods of inaction, means synchronized with said movement imparting means for rotating said loading element through a portion of a revolution during each of said periods of inaction and always in said direction and inactive on said loading element while said conveying means is in movement, and spray means disposed adjacent said guard in a position to spray jets of rinsing fluid into the loading pockets through the open ends thereof while said pockets are in inverted position and inactive with their open ends along said guard.

2,253,913
CONVEYER OF THE ENDLESS BAND TYPE
John Currie Paterson, Peterborough, England, assignor to Baker Perkins, Inc., Saginaw, Mich., a corporation of New York
Application October 27, 1939, Serial No. 301,541
3 Claims. (Cl. 198—182)



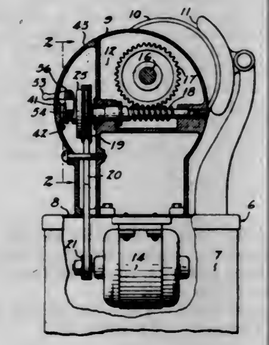
1. A conveying device comprising an openwork endless band arranged for travel in a curved or semi-circular path between terminal cylindrical roller means of small diameter, said band comprising inner and outer chain elements connected by spaced radial spokes and resilient coiled springs extending between the spokes.

2,253,914
SEAT CUSHION
Karl K. Probst, Detroit, Mich.
Application October 29, 1938, Serial No. 237,596
4 Claims. (Cl. 155—179)



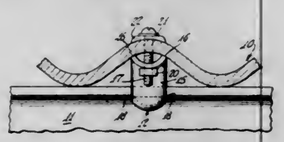
1. A seat cushion comprising front and rear frame members each having a plurality of slots therethrough, a plurality of leaf springs reversely curved into multiple loops near each end thereof, the ends of said springs being also reversely bent and demountably inserted in slots at opposite sides of said frame, and a covering for said springs secured to said members and imposing initial deflection thereon thereby causing the ends of said springs to exert a pressure against said members.

2,253,915
IRONER GEAR MECHANISM
John W. Racklyeft, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 29, 1938, Serial No. 216,513
4 Claims. (Cl. 38—59)



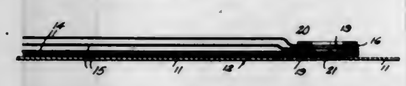
1. An ironer comprising a gear case, an ironer roll shaft rotatably mounted in said gear case, a motor mounted beneath the gear case, a driven shaft arranged transversely of the ironer roll shaft between said roll shaft and motor, belt pulleys on said motor and driven shaft connected by a belt, a planetary gear speed change mechanism interposed between the driven shaft pulley and the driven shaft, said mechanism comprising a gear carrier fixed to and supported by the driven shaft, a planet gear mounted on said carrier, a ring gear fixed to the driven shaft pulley, an axially movable sun gear in constant meshed engagement with the planet gear, means connected to said sun gear projecting exteriorly of the gear case to provide a manual control of said speed change mechanism through axial movement of said sun gear and means on said gear case adapted to engage said sun gear to afford a reaction lock for said planet gear.

2,253,916
CLIP FASTENER FOR CORRUGATED SHEETS
Harlow T. Richardson, North Plainfield, N. J., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application September 10, 1940, Serial No. 356,161
3 Claims. (Cl. 189—35)



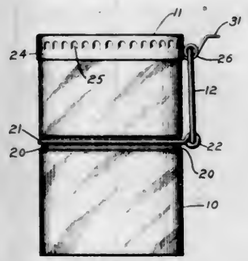
1. A clip fastener for securing a corrugated asbestos-cement sheet to a support, comprising two oppositely directed legs and a connecting portion, all of substantially uniform non-planar cross-section throughout, one of said legs being adapted to engage the support, the other of said legs being adapted to bear against the corrugated sheet and having upwardly diverging side portions disposed in planes substantially perpendicular to the oppositely inclined walls of the corrugations of the sheet.

2,253,917
MANIFOLDING ASSEMBLY
Howard W. Rogers, Emeryville, Calif., assignor to Pacific Manifolding Book Company, Inc., Emeryville, Calif., a corporation of Delaware
Application November 9, 1940, Serial No. 365,079
6 Claims. (Cl. 282—9)



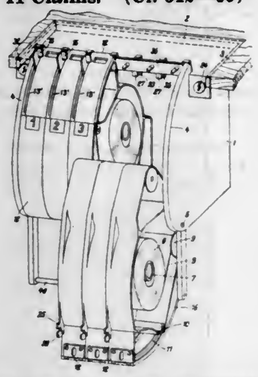
2. In a manifolding assembly, in combination, a ledger sheet, a separate assembly of record and transfer sheets bound together in a separate record unit and including a transfer sheet having a transfer surface exposed to the outside for making outside transfer inscriptions, said record unit having a closed marginal opening spaced inwardly from the assembly edges, and an attaching device including a sheet member attached to the separate assembly over said closed opening and having a non-drying, pressure sensitive adhesive surface exposed through said opening for contacting with a surface of said ledger sheet whereby the record unit can be quickly attached in temporary fixed superposed manifolding relation with said ledger sheet in different positions thereon, with said exposed transfer surface in transfer relation with the ledger sheet for transfer thereto of inscriptions made upon said separate assembly.

2,253,918
INDIVIDUAL SERVICE CONTAINER
Isadore Schayer, Columbia, S. C.
Application January 12, 1939, Serial No. 250,633
5 Claims. (Cl. 215—63)



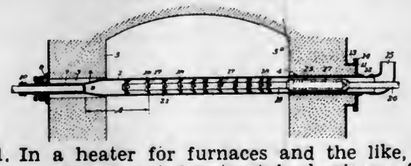
4. An article of manufacture comprising a container of glass-like form having a hollow body open at its top, the said body having a top defining bead whereby to permit easy drinking of a beverage directly therefrom, a removable cap for the top of the said container having its walls gripped about said bead, a tubular bearing sleeve on the said cap, the said sleeve having provided an outwardly projecting thumb lug, a link member pivotally connected at the upper end thereof to the said bearing sleeve of the cap aforesaid, and means for pivotally connecting the said link member at the lower end thereof to the said container in such a manner that after the initial removal of the said cap from the top of the said container the said link member may be pivoted at the lower end thereof so as to project the said cap from the open top of the container to the lower outer side of the body of the said container.

2,253,919
TICKET ISSUING DEVICE
Ernst Tensfeldt, Berlin - Charlottenburg, and Leopold Ramdor, Falkensee, Osthaveld, Germany; said Ramdor assignor to said Tensfeldt
Application March 19, 1938, Serial No. 197,036
In Germany April 8, 1937
11 Claims. (Cl. 312—39)



7. A ticket issuing device comprising a housing open at the rear and mounted on a table board of the seller's station, said table board having an opening into which said housing is set whereby the top of said housing forms a paying surface substantially flush with the top of said table board, a plurality of separate magazines pivoted at their lower portions to the lower rearward portion of said housing whereby said magazines are individually swingable rearwardly and downwardly, each said magazine having a ticket delivery opening normally disposed above the level of said paying surface and each said magazine being open at one side whereby access may be had to the interior thereof when said magazine is in lowered position, means for locking said magazines in raised, operative position, and separate means for closing said delivery openings and locking said ticket delivery levers.

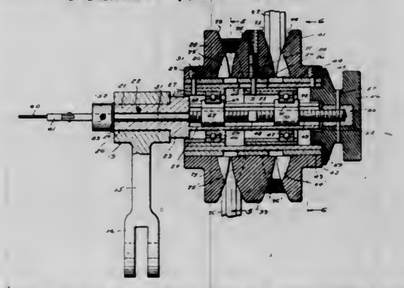
2,253,920
RADIANT TUBE HEATER
Arthur H. Vaughan, Salem, Ohio, assignor to The Electric Furnace Company, Salem, Ohio, a corporation of Ohio
Application January 6, 1939, Serial No. 249,605
21 Claims. (Cl. 126—91)



1. In a heater for furnaces and the like, an imperforate elongated outer tube having a fuel inlet end portion, an outlet end portion, and a portion enclosing a combustion zone intermediate said end portions, means for supplying fuel to the combustion zone at the inlet end thereof, and a conduit traversing said outer tube through the outlet end thereof and through the major part of the length of the combustion zone, said conduit having air discharge orifices at points within the combustion zone so disposed as to discharge air at a progressively greater rate per unit of combustion zone length near the outlet than near the inlet end of the combustion zone.

7. A radiant tube heater for furnaces and the like, comprising a combustion tube, means for supplying combustible material to one end of said tube, an air pipe within said tube and provided with air holes spaced therealong, and baffles located adjacent the air holes for preventing direct impingement of the air on the combustion tube and for creating turbulence of the combustible material and air.

2,253,921
VARIABLE SPEED TRANSMISSION
Victor H. Van Sant, Westfield, N. J., assignor, by direct and mesne assignments, to Speed-Jack Corporation, Belleville, N. J., a corporation of New Jersey
Application June 2, 1941, Serial No. 396,322
8 Claims. (Cl. 74—230.17)



1. In variable speed gearing, a support, a tube mounted upon the support, a main sleeve mounted upon the tube to rotate and move axially with relation thereto, disks mounted upon the sleeve to move axially and rotate with the sleeve, said disks having substantially coned faces, a disk arranged in cooperative relation with the first named disks and mounted upon the sleeve to rotate therewith and move axially with relation to the sleeve, the last named disk having substantially coned faces, a rotary shaft arranged within the tube and having right and left screw-threaded portions, a nut engaging one screw-threaded portion and serving to shift the sleeve axially, a nut engaging the other screw-threaded portion and serving to shift the last named disk axially, and means to turn the shaft.

2,253,922
MANUFACTURE OF TAPE
Paul Van Cleef, Chicago, Ill., assignor to Van Cleef Bros., Chicago, Ill., a partnership consisting of Noah Van Cleef, Felix Van Cleef, Maxime Van Cleef, and Paul Van Cleef
Application October 25, 1940, Serial No. 362,783
7 Claims. (Cl. 91—68)



1. That improvement in the manufacture of tape which comprises first applying to one face of a thin strip of flexible stretchable porous fibrous material a protective coating in the form of a thick viscous rubber composition with a solvent and vulcanizing agent for the rubber, then applying to the other face of the strip an aqueous rubber latex dispersion including a vulcanizing agent for the rubber of the latex, in such manner that it penetrates through the strip to said one face of the strip and forms a bond between the latter and the coating, then subjecting the strip to a vulcanizing temperature in order to cure or vulcanize the coating and the rubber of

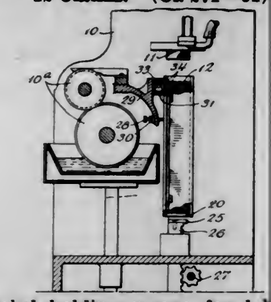
the latex, and finally applying a coating of permanently tacky pressure sensitive adhesive to said other side of the strip.

2,253,923

LABEL APPLYING MACHINE

George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Application December 21, 1940, Serial No. 371,146
12 Claims. (Cl. 271—61)



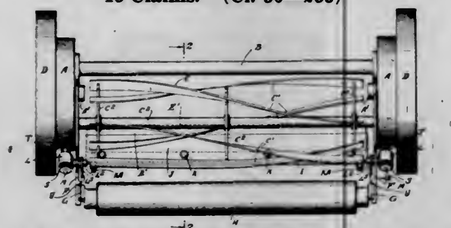
1. A label holding means for label applying machines, comprising a supporting plate provided with associated groups of apertures at predetermined spaced points, trunnions whereby said plate is removably suspended in said machine, side members located in spaced surface parallelism to constitute a hopper for containing a supply stack of labels, supporting flanges projecting toward each other from said side members for supporting said supply stack of labels from below, longitudinal flanges extending lengthwise of said side members and projecting toward each other therefrom to maintain said supply stack of labels in said hopper, base flanges projecting outwardly from said side members in surface engagement with said plate and provided with slots arranged to register with the apertures of each of said groups, and fastening screws extending through said slots into threaded engagement with the apertures of a given group whereby said side members are adjustable relatively to each other within the limits of said slots and whereby the location of said side members on said supporting plate may be selectively varied.

2,253,924

LAWN MOWER

Edward H. Worthington, Dunfield, N. J.

Application July 23, 1940, Serial No. 346,942
15 Claims. (Cl. 56—253)



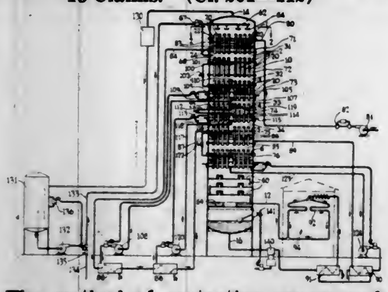
1. A lawnmower comprising in combination front and rear ground engaging roller elements, a framework connecting said elements and comprising side frame members and a bedknife support extending between and having its ends rigidly connected to and in fixed relation with said side frame members, a bed knife rigidly mounted on said support, a revoluble fly knife normally above and engaging said bed knife, a frame in which said fly knife is journalled and which is pivotally connected to said framework to turn said fly knife toward and away from said bed knife, and means operatively connecting said framework and frame and normally operative to maintain the fly knife in engagement with the bed knife.

2,253,925

METHOD AND APPARATUS FOR RECTIFICATION, ABSORPTION, AND GAS SCRUBBING

Merle A. Zimmerman, New York, N. Y.

Application December 20, 1939, Serial No. 310,136
15 Claims. (Cl. 261—112)



1. The method of contacting vapors and liquids in processes of rectification, absorption and gas scrubbing which comprises providing a main stream of rising vapors in a lower portion of a contact tower, providing a pool of down-flowing liquid in an upper portion of the tower, repeatedly distributing the rising vapors into a multiplicity of separate small streams and combining the small streams into a common body of vapors and co-mingling the same after each stage of distribution, repeatedly distributing the down-flowing liquid into a multiplicity of separate small streams and after each stage of distribution combining the small streams into a common body of liquid contacting one of said bodies of vapor passing each of the many small streams of rising vapors in intimate countercurrent contact with one of the many small streams of down-flowing liquid at each stage of distribution so as to effect the scrubbing or fractionation thereof, withdrawing a liquid side stream from at least one of said bodies of liquid, and exchanging heat between said side stream and said countercurrently contacting streams of vapors and liquid at at least one of said many stages of distribution.

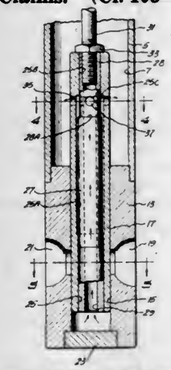
5. Vapor and liquid contact apparatus for rectification, absorption or gas scrubbing comprising an upright contact tower, a plurality of vapor and liquid contact sections arranged in vertically aligned and spaced relation between the top and bottom of said tower, tower chambers above and below each contact section, each of said contact sections comprising a multiplicity of elongated vertically disposed contact tubes communicating in common adjacent their upper and lower ends, respectively, with the tower chambers above and below the corresponding section to convey rising vapors and down-flowing liquid from chamber to chamber in a multiplicity of small countercurrent streams, means enclosed within each contact tube between adjacent tower chambers for effecting intimate contact between the streams of vapors and liquid passing countercurrently through each tube, means for holding a pool of liquid in communication with and below the vapor outlets of the contact tubes of each contact section, means on an extension of each tube and below the vapor outlets of the corresponding section for distributing down-flowing liquid from each of said pools substantially uniformly into the contact tubes of the corresponding contact section, means for supplying a main stream of rising vapors to the contact tubes of the lowermost contact section, means for supplying a main stream of liquid to the pool communicating with the contact tubes of the uppermost section, means for withdrawing vapor from the top of the tower, and means for withdrawing liquid from the bottom of the tower.

2,253,926

DOUBLE ACTING PUMP

Harry P. Anderson and Frederick L. Johnstone, Detroit, Mich.

Application May 16, 1940, Serial No. 335,456
6 Claims. (Cl. 103—195)



1. A pump comprising a large cylinder, a smaller cylinder mounted in one end thereof provided with a fluid inlet, a hollow outer piston mounted in sealing relation in the smaller cylinder and adapted to reciprocate partially in each cylinder, a hollow inner piston mounted in the hollow outer piston and closed at one end, a lost motion connection between said pistons, means for reciprocating said inner piston and thereby ultimately reciprocating the outer piston through said connection, ports in said inner and outer pistons adapted to register for discharging fluid therethrough into the large cylinder when said inner piston has been moved sufficiently in one direction to take up the lost motion between the pistons and adapted to be out of registry when said inner piston moves in the opposite direction, and a discharge port leading from said large cylinder.

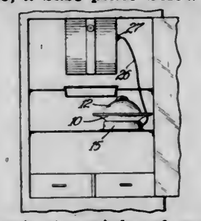
2,253,927

CONTROLLED TEMPERATURE BUTTER DISH

Ralph F. Butler and Oliver D. Westerberg, Chicago, Ill.

Application March 25, 1940, Serial No. 325,748
1 Claim. (Cl. 219—43)

In combination, a refrigerator cabinet including insulated cabinet walls, a door, and a mechanical cooling unit in said cabinet adapted and arranged to maintain the interior of the cabinet at a temperature of below fifty (50) degrees Fahrenheit; a butter conditioning device comprising a warming plate and an electrical heating element clamped under said warming plate in heat transfer relationship with said plate, said heating element being insulated from the warming plate both thermally and electrically; a covered butter dish in intimate thermal contacting relationship with said warming plate and adapted to be supported on its bottom by the warming plate, said warming plate and dish including integral annular shoulder surfaces adapted to engage each other and prevent relative lateral movement of the dish with respect to the said warming plate, a base plate below said electrical



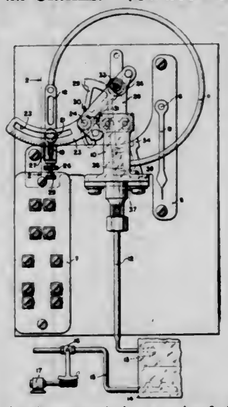
heating element, a peripheral sealed joint between said warming plate and said base plate to provide a substantially imperforate, vaporproof, waterproof housing for said electrical heating element; the butter dish, warming plate, and heating element being designed and proportioned to provide a proper interior temperature of approximately fifty-eight (58) degrees Fahrenheit in the butter dish by maintaining a balance between the heat transferred to the dish by the heating element and the heat radiated from the dish.

2,253,928

CONTROL INSTRUMENT

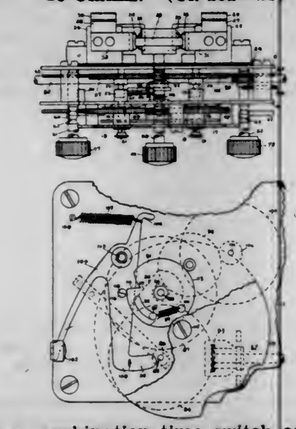
John A. Caldwell, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 3, 1938, Serial No. 222,823
22 Claims. (Cl. 200—56)



1. In an instrument to control the value of a condition between normal limits, a first member positioned in accordance with the value of said condition, a periodically moved member, means to move said second member through a path wherein it will engage said first member or not, depending upon the value of the condition, a part positioned in accordance with the position of said second member, means to move said part, and means moved by said part to adjust said second member in a direction to off-set the effect of movement of said first member.

2,253,929
TIMING MECHANISM
Arthur B. Campbell, Thomaston, Conn., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application May 27, 1938, Serial No. 210,363
15 Claims. (Cl. 161—23)

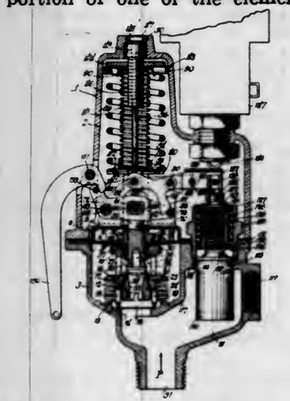


1. In a combination time switch and interval timer, the combination with timing mechanism, of a cam for actuating said switch, a control member for controlling the motion of said cam, stop means associated with said timing mechanism and adapted to engage said control member and to release the same at a predetermined time, rotatable means in said interval timer, means operative upon rotation thereof for operatively connecting said interval timer with said timing mechanism, an axially displaceable shaft capable of assuming two positions, and means on said axially displaceable shaft for engaging said stop means to set the same when said shaft is in one of said positions and for engaging said rotatable means to connect said interval timer with said timing mechanism and to set the same when said shaft is in the other of said positions.

7. In a time switch, timing mechanism, a spring biased rotatable switch cam, a control member to determine the position of said switch cam, stop means to interrupt the rotation of said control means, means associated with said timing mechanism whereby said stop means may release said control member for rotation, and manually operative means to disengage said control means from said stop means.

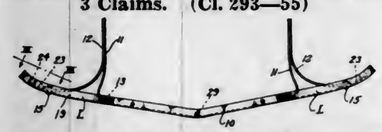
2,253,930
PRESSURE AND TEMPERATURE RELIEF VALVE
Oscar F. Carlson, Kenilworth, Ill., assignor of one-half to Oscar F. Carlson Company, Chicago, Ill., a corporation of Illinois, and one-half to Everett N. McDonnell, Chicago, Ill.
Application July 11, 1940, Serial No. 344,887
11 Claims. (Cl. 137—53)

11. In a relief valve, a spring loaded valve responsive to excessive fluid pressure to open and relieve said pressure, a spring loaded snap mechanism opposing opening of the valve when closed and opposing closing when open, said snap mechanism comprising a hill element and a follower element movable relative to each other for opening and closing said valve with a snap action, a temperature responsive element adapted to be subjected to the temperature of the fluid the pressure of which acts upon the valve, and a connection between said temperature responsive element and one of said other elements for shifting the portion of one of the elements of the



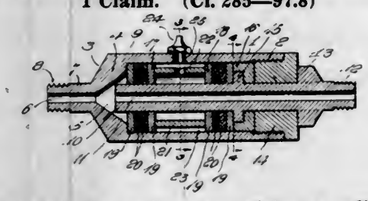
snap mechanism relative to the other for holding the valve open until the temperature of the fluid has been reduced to a predetermined value.

2,253,931
BUMPER STRUCTURE
Don S. Devor, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 29, 1940, Serial No. 326,553
3 Claims. (Cl. 293—55)



1. A bumper and guard assembly comprising a single continuous main impact bar of a length to extend entirely across the end of a vehicle, guard structure in the form of horizontally elongated loops disposed in the vertical plane of the end portions of said impact bar and surrounding said end portions to project above and below the same, the outer ends of said loops abutting against and being rigidly secured to the respective end edges of the impact bar, and means rigidly securing the inner ends of said loops to the top and bottom respectively of said impact bar, and a guard bar independent of said impact bar connecting the inner end of said loops.

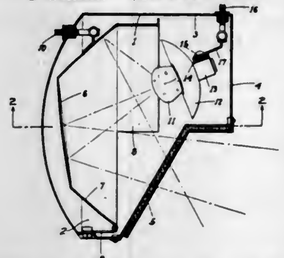
2,253,932
SWIVELED COUPLING
Alva W. Gilkerson, Beaumont, Tex.
Application August 8, 1939, Serial No. 289,054
1 Claim. (Cl. 285—97.8)



A swiveled coupling comprising a cylindrical barrel having one end open and internally threaded, a head for the other end of the barrel formed with a tubular pipe engaging neck, a

tubular stem extending longitudinally in said barrel axially thereof with one end portion protruding from the open end of the barrel and adapted for connection with a pipe, an annular shoulder about the stem externally of the barrel, an annular collar about the stem within the barrel, a threaded bushing rotatably fitting about the stem with its outer end abutting the end of the barrel, a cup-shaped ring fitting snugly between the bushing and the collar with its marginal portions surrounding the collar and having tight fitting engagement with the marginal edge face of the collar and walls of the barrel, packing units surrounding the stem and fitting snugly within the barrel, each packing unit consisting of inner and outer metal discs and discs of flexible packing material between the metal discs, a spacer sleeve about the stem between the packing units having its ends abutting the inner metal discs of the packing units and holding the units spaced from each other with the outer metal disc of one unit tight against the head end of the barrel and the outer metal disc of the other unit tight against the collar and the edge face of the cup-shaped ring when the bushing is tightened, and a valve controlled nipple mounted through the wall of the barrel intermediate the length of the sleeve to admit liquid under pressure into the barrel for filling space between the packing units and apply fluid pressure to the inner metal discs of the packing units and cooperate with the packing units to prevent leakage.

2,253,933
NONGLARE HEADLIGHT
Charles E. Hall, Sonora, Calif., assignor of one-half to Clarence L. House, Sonora, Calif.
Application September 18, 1939, Serial No. 295,392
1 Claim. (Cl. 240—41.1)

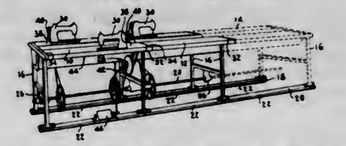


In a headlight, a casing, a forwardly facing reflector therein and a rearwardly facing bulb in front of and above the horizontal axis of the reflector; means flexibly mounting the reflector at the bottom in the casing, and a longitudinally adjustable screw disposed lengthwise of and mounted in the casing adjacent the top of the reflector and swivelly connected thereto and extending through the back of the casing for operation; said reflector mounting means comprising a substantially horizontal strip, resilient for deflection in a vertical plane, extending lengthwise of the casing and secured at its ends on the casing and reflector.

2,253,934
MANUFACTURE OF POLYMERIZABLE HYDROCARBONS
Morton Harris, New Haven, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 17, 1938, Serial No. 214,305
17 Claims. (Cl. 260—669)

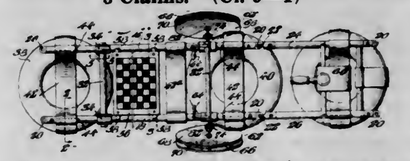
1. The process comprising contacting a hydrocarbon material selected from the group consisting of (1) alkylated monocyclic aromatic hydrocarbons having at least two carbon atoms in the alkyl group and (2) mixtures of monocyclic aromatic hydrocarbons and aliphatic hydrocarbons having from two to ten carbon atoms in the molecule which mixture reacts in the pyrolytic step to form as intermediate products alkylated monocyclic aromatic hydrocarbons having at least two carbon atoms in the alkyl group, with an inert molten metal-containing heating medium at a temperature effective to bring about pyrolysis thereof, and then separating polymerizable hydrocarbons from the pyrolyzed mixture.

2,253,935
MOUNTING FOR TABLES FOR SEWING MACHINES
Louis Hoch, New York, N. Y.
Application April 25, 1938, Serial No. 204,047
8 Claims. (Cl. 311—13)



2. In apparatus for mounting a plurality of sewing machines, the apparatus including a plurality of table tops each of which receives and supports an individual sewing machine, uprights for supporting the table tops, and a pair of rails for providing anchorages for the uprights; the rails being positioned in spaced apart relationship, each rail comprising a plurality of sections, the sections being positioned substantially in alignment, end portions of the sections being positioned substantially in abutting relationship, each upright being positioned to straddle, and being secured to, substantially abutted end portions, the sections being adjustable so that successive uprights are spaced apart to support the table tops immediately at their end edges.

2,253,936
AQUATIC AMUSEMENT DEVICE
Howard C. Karst, Hanover, Pa.
Application October 28, 1938, Serial No. 237,405
3 Claims. (Cl. 9—1)

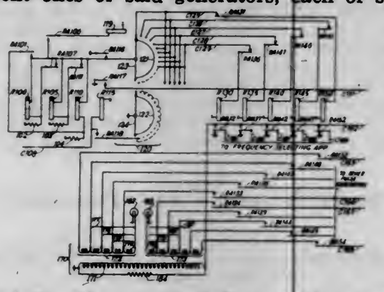


1. An aquatic amusement device comprising a plurality of annular, flexible and resilient floats, oppositely disposed elongated rails superimposed upon said floats, means for rigidly interconnecting and spacing said rails, and flexible elements having their ends fastened to said rails and the juxtaposed portions of said floats for securing said rails to said floats, said flexible elements extending over said floats between said rails and constituting a seat.

2,253,937
CONVERTER
Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 21, 1938, Serial No. 236,187
13 Claims. (Cl. 179—87)

1. A converter comprising, in combination, a

transformer including a secondary winding and a pair of primary windings, a plurality of direct current pulse generators having different pulse periodicities, and cyclically operating means for successively connecting said primary windings to different ones of said generators, each of said



generators, when connected to said primary windings, being operative to cause alternate current pulses to traverse alternate ones of said primary windings in directions such that an alternating voltage is developed across said secondary winding.

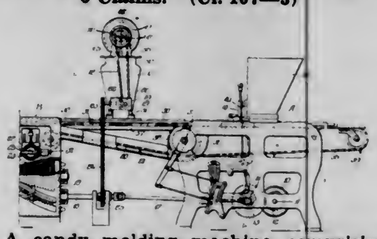
2,253,938

CONFECTIONERY MOLDING MACHINE

William Melody, Chicago, Ill., assignor to E. J. Brach & Sons, Chicago, Ill., a corporation of Illinois

Application October 1, 1937, Serial No. 166,712

6 Claims. (Cl. 107—3)



1. A candy molding machine comprising in combination with confectionery molding trays of starch having recesses therein, a conveyor for said starch trays, means for intermittently advancing said conveyor by movement stages substantially equal to one tray space of said conveyor, a depositor disposed above said conveyor having controllable discharge openings and plungers for feeding streams of confectionery into the recesses of each succeeding tray, and means operable during the period when said trays are moving under said depositor for moving said plungers for causing a continuous feeding of confectionery onto each succeeding tray during the movement under said discharge means of each succeeding tray respectively and also for moving said plungers for stopping the feeding of confectionery during the time when no tray is located under said openings.

2,253,939

LIQUID-CIRCULATING SYSTEM

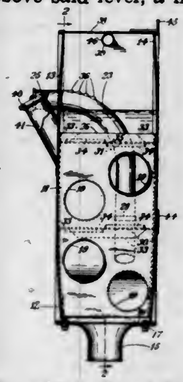
Hubert Scott-Paine and George Sidney Selman, Hythe, Southampton, England; said Selman assignor to said Scott-Paine

Application April 13, 1940, Serial No. 329,562

In Great Britain March 11, 1939

9 Claims. (Cl. 123—174)

4. A compensating device for connection in a liquid circulating system comprising a tank, filling means near the top of the tank preventing the said tank from being filled above a predetermined level, an inlet pipe arranged to extend downwardly through said tank from above said level to near the bottom of the tank, which inlet pipe is provided with vent holes in that part thereof above said level, a number of hori-



zontal baffles in said tank, each arranged with its edges connecting with the sides of the tank and each provided with a number of apertures, one of which baffles is situated closely above the discharge end of the inlet pipe, and an outlet pipe communicating with the bottom of the tank.

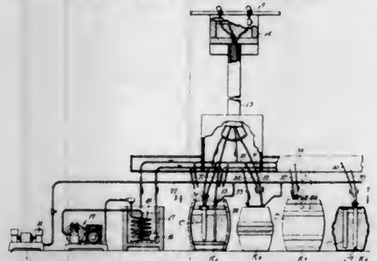
2,253,940

BREW COOLING EQUIPMENT

Gerald D. Peet, Montclair, N. J., assignor to Novadel-Agene Corporation, Newark, N. J., a corporation of Delaware

Application August 27, 1940, Serial No. 354,335

10 Claims. (Cl. 62—141)



1. An installation for brew cooling and dispensing, comprising a plurality of kegs, some of which are on tap and others on reserve, each of the kegs on tap having a plurality of cooling units extending through the respective walls thereof into the brew contents, means for circulating cooling fluid from a common source through the several cooling units, those of the kegs on reserve having less than the total number of cooling units connected into the cooling circuit and being thereby maintained at a temperature below that at which deterioration sets in and above dispensing temperature.

2,253,941

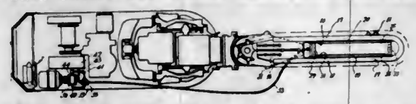
MINING APPARATUS

Thomas E. Pray, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 18, 1940, Serial No. 324,483

4 Claims. (Cl. 262—28)

1. In an apparatus for cutting and breaking down coal, a cutter chain carrying cutter bar mounted for cutting along the mine floor or roof or at various intermediate positions with respect thereto, a relatively flat hollow expansible fluid operated coal breaking member, and guide means on said cutter bar within the outer boundaries



thereof, forming a detachable supporting connection for said coal breaking member in said cutter bar, to permit said cutter bar to insert said coal breaking member into a kerf cut thereby and break down the coal by expansion beyond the upper and lower boundaries of said cutter bar.

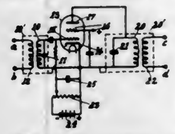
2,253,942

SELECTIVITY CONTROL SYSTEM

Karl Rath, New York, N. Y., assignor to Radio Patents Corporation, a corporation of New York

Application April 24, 1940, Serial No. 331,407

14 Claims. (Cl. 250—20)



1. An electric filter for transmitting oscillatory energy comprising an input circuit and an output circuit, a reactive coupling between said circuits constituted by an electron discharge tube having at least a cathode, a control grid, a screen grid and an output electrode, means for maintaining said screen grid at a steady positive potential with respect to said cathode, means whereby said output electrode is maintained at a relatively low steady potential with respect to said screen grid to bring about a variable space charge adjacent to said output electrode, means for coupling said input circuit to said control grid and cathode, means for coupling said output circuit to said output electrode and cathode, a source of variable direct current bias potential, and further means for controlling said space charge in accordance with variations of said bias potential.

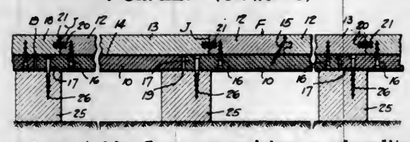
2,253,943

FLOOR CONSTRUCTION

Allyn B. Rice, Los Angeles, Calif., assignor to A. B. Rice Floor Company, Los Angeles, Calif., a corporation of California

Application February 26, 1940, Serial No. 320,801

7 Claims. (Cl. 20—8)



1. A portable floor comprising a plurality of floor sections each composed of a base panel and a finish panel provided with parquetry patterns, the base panel having certain edges projecting beyond the corresponding edges of the finish panel, the latter of which has other edges projecting beyond the corresponding edges of the base panel to provide a lap joint between the base and finish panels of confronting sections,

and a butt joint between the finish panels thereof which is undistinguishable from the joints between the pieces of the parquetry patterns, whereby the sections will have the appearance of a continuous patterned floor; and means co-acting with the edge portions of confronting finish panels to detachably connect them against relative lateral displacement.

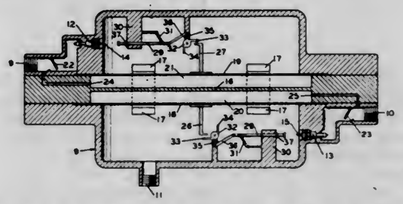
2,253,944

CHANGE-OVER DEVICE

James J. Shanley, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application February 19, 1940, Serial No. 319,787

4 Claims. (Cl. 62—1)



3. A changeover device comprising a body member having two fluid inlets and a fluid outlet, conduits connecting the inlets and the outlet, valve means including a valve controlling each conduit, valve operating means having two positions associated with each valve and acting to open the associated valve in one position, fluid pressure operated means operable in response to pressure differential across the valve means to move the valve operating means from one position to the other.

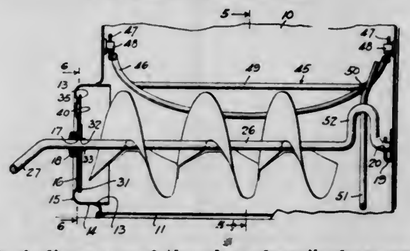
2,253,945

DISPENSER

William A. Starrett, Wilmar, Calif.

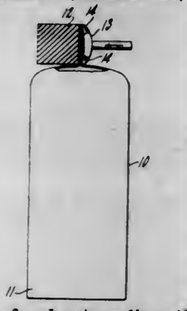
Application September 11, 1940, Serial No. 356,265

6 Claims. (Cl. 221—102)



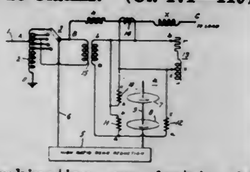
1. A dispenser of the class described comprising: a container having an exteriorly projecting cup-shaped housing in a vertical wall thereof adjacent the bottom of the container; a conveyor including a shaft journaled in a vertical wall of the housing for rotation in the container about a horizontal axis; said vertical wall of the housing having a port disposed eccentrically of said axis; an agitator mounted in the container for oscillatory movement about an axis parallel to and vertically above the conveyor axis; a yoke depending from said agitator; a crank on said shaft co-acting with said yoke to oscillate the agitator in response to rotation of said shaft so as to urge material into said housing; and a valve member operatively connected to said shaft and controlling said port to open the latter during a portion of a revolution of the conveyor.

2,253,946
CLOSING APPARATUS
Harry F. Waters, New York, N. Y.
Application January 26, 1938, Serial No. 186,958
3 Claims. (Cl. 154—42)



1. In a device for heat-sealing thermoplastic material, a backing member made of yieldingly resilient material and presenting a normally planar working face; and an elongated heatable element comprising a concave working face terminating in insulated marginal edge portions, said heatable element being adapted to be pressed against the material to be sealed and against said backing member to apply greatest pressure upon said thermoplastic material at said insulated edge portions, thereby defining a zone between said edge portions, and including means to apply heat at gradually decreasing pressure to that portion of said thermoplastic material within said zone, whereby to confine the fused thermoplastic material to said zone.

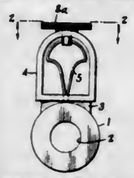
2,253,947
REGULATOR SYSTEM
Louis F. Blume, Pittsfield, Mass., and Severn D. Sprong, Brooklyn, N. Y., assignors to General Electric Company, a corporation of New York
Application April 19, 1938, Serial No. 202,892
18 Claims. (Cl. 171—119)



1. In combination, an electric circuit, means for regulating the voltage of said circuit, and control means for said regulating means, said control means comprising a pair of opposed normally balanced electromagnetic operating elements having windings arranged to produce operating effects on their respective elements which are proportional to the squares of the respective voltages applied thereto, one element having a winding energized in accordance with the voltage drop in said circuit for a given distance from said regulator, the other operating element having a pair of cumulatively acting windings energized respectively in accordance with the voltage of said regulating means and the difference between said voltage drop and the voltage of said regulating means.

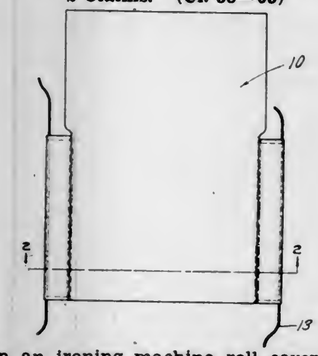
2,253,948
GUN SIGHT
Leo H. Brown, New York, N. Y.
Application July 9, 1941, Serial No. 401,586
1 Claim. (Cl. 33—53)

For use on the barrel of a rifle or the like, a front sight which has inwardly extending sight members which are inclined towards each other in fixed relation, the horizontal distances between said sight members being spaced from the bore of the barrel in amounts corresponding to the respective correct elevations for a series of ranges of a target which has a predetermined



guide dimension adapted to be optically spanned by one distance between said members as the rifle is aimed, a support adapted to mount said sight on said barrel, said sight being turnable relative to said support around an axis of tilting which is substantially perpendicular to the axis of the bore, said axis of tilting being substantially vertical when the axis of the bore is horizontal.

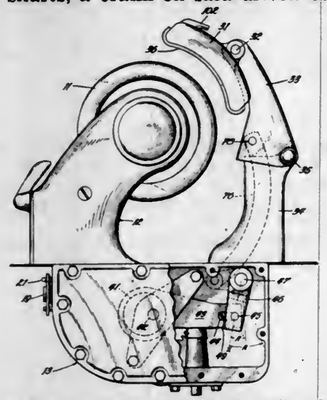
2,253,949
COVER FOR IRONER ROLLS AND BEDS
John A. Castricone, Peoria, Ill., assignor to Altorfer Bros. Company, Peoria, Ill., a corporation of Illinois
Application May 29, 1937, Serial No. 145,447
2 Claims. (Cl. 38—65)



1. In an ironing machine roll cover, a sheet of asbestos composition material having a length substantially greater than the circumference of the roll and a width substantially equal to the length of the roll, looped sections of flexible material such as muslin of a length substantially equal to the circumference of the roll, stitched to the sides of the roll cover from one end thereof and parallel to the surface of the roll with all edges turned inward from the roll cover surface and taut cords within the loops whereby the roll cover may be applied to the roll without bending the fire-proof material over the roll ends.

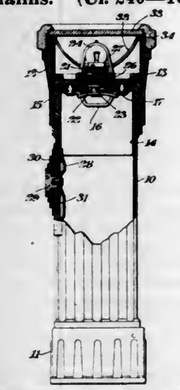
2,253,950
AUTOMATIC IRONING SHOE RESET
John A. Castricone, Peoria, Ill., assignor to Altorfer Brothers Company, Peoria, Ill., a corporation of Illinois
Application May 16, 1938, Serial No. 208,137
10 Claims. (Cl. 38—61)

1. In an ironing machine, an ironer bed comprising a rotatably mounted fabric surfaced cylindrical roll, and means for supporting said roll; an ironer shoe including an electrically heated concave ironing surface adapted to engage said fabric surface of said ironer bed, and means for supporting said shoe including a swinging arm; power means including a motor, a clutch, and reduction gearing for rotatably driving said ironer bed with relation to said ironer shoe; power pressure means for moving said shoe and roll into and out of engagement, said pressure means including an oscillating driving shaft with an eccentric and crank for imparting oscillating movement thereto, an oscillating driven shaft, a disengageable clutch element operatively connecting said driving and driven shafts, a crank on said driven oscillating



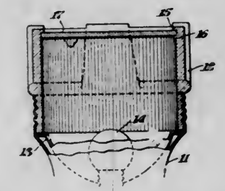
shaft, and a connecting rod extending from said crank to aforesaid swinging arm; a manually operable emergency pressure release including mechanism effective to disengage aforesaid oscillating shaft clutch and spring means urging said ironer shoe out of engagement with said ironer roll; and automatic pressure reset means including an adjustable release limit stop whereby the emergency released position of the driven clutch elements may be adjusted to correspond to the normal released position of the driving parts, and spring actuated means adapted to reestablish the driving connection between said driving and driven clutch elements.

2,253,951
FLASHLIGHT
Anthony J. Desimone, Lyndhurst, N. J., assignor to Bright Star Battery Company, Clifton, N. J., a corporation of New York
Application January 23, 1939, Serial No. 252,244
4 Claims. (Cl. 240—10.6)



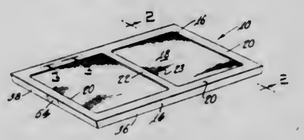
1. A flashlight comprising a casing of insulating material having an inturned flange at one end, a metal cup having an opening in its bottom arranged in said casing with the cup bottom contacting the inner surface of said flange, an apertured disk of insulating material within said cup closing said opening, a socket attached to said cup bottom and arranged in the space defined by the inner edge of said flange, said socket having a smooth inner surface and a screw-threaded outer surface, a center contact for said socket extending through said disk aperture and resiliently supported from said flange and being insulated by said disk from said cup and socket, a spring in said socket for engagement by the base of a bulb in said socket and having one end engaging said insulated disk, a screw-threaded collar on said socket, and a loop carried by said collar for holding said bulb with its center terminal in engagement with said center contact.

2,253,952
FLASHLIGHT
Anthony J. Desimone, Lyndhurst, N. J., assignor to Bright Star Battery Company, Clifton, N. J., a corporation of New Jersey
Original application April 30, 1938, Serial No. 205,145. Divided and this application March 23, 1940, Serial No. 325,489
5 Claims. (Cl. 240—10.6)



1. A flashlight comprising a casing, a reflector and bulb assembly mounted in one end, a light-transmitting cylindrical member projecting from the casing beyond said assembly, and a flexible transparent lens arranged in said cylindrical member, said member having an inwardly projecting integral flange engaged by one face of said lens and a plurality of inwardly projecting integral lugs engaging the remaining lens face.

2,253,953
ACOUSTICAL ASSEMBLY
James Y. Dunbar, New York, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application January 14, 1939, Serial No. 250,891
5 Claims. (Cl. 154—44)



1. An acoustical unit for insertion in a pan including a sound-pervious lower face and flanges projecting at substantially right angles thereto for engagement with supporting means, said unit comprising a sound-absorbing pad including a face to be exposed to the sound to be absorbed and a cover for said pad, said cover comprising a panel dimensioned to fit tightly within said pan ad-

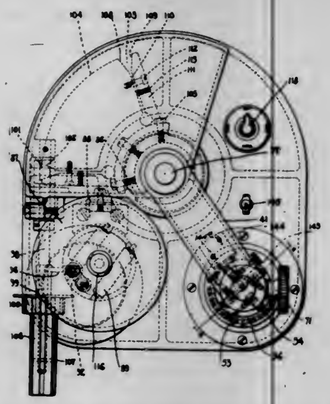
jacent said pervious lower face thereof and said panel overlying the said face of the pad and including cutouts defining relatively narrow pad supporting rims, flanges continuous therewith and overlying the end and side edges of the pad, said flanges sloping at an acute angle to said panel whereby said unit, when inserted within said pan, will contact the flanges thereof adjacent the panel to prevent substantial movement of air between the unit and pan flanges without interference with the attachment of such pan flanges to the supporting means, closure flaps continuous with said side flanges and overlying the back of said pad, and sound-pervious sheet material interposed between said pad and said panel.

2,253,954

LENS BLOCKING DEVICE

Lloyd W. Goddu, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application March 27, 1939, Serial No. 264,330
9 Claims. (Cl. 51—277)



1. In a device of the character described, comprising a base including spaced supports, one of said supports having an adjustable portion on which a lens is adapted to be rested, and the other having means for supporting a lens block, a head pivoted to said base, having a holding device alignable with the support on which the blank is rested and having an adhesive supply tank with delivery means alignable with the support having the lens block thereon, said adjustable portion being adapted to shift the position of the blank supported thereby and the said holding means having depending spring fingers for adjustably and resiliently gripping said blank at spaced portions on the edge thereof and central pin members adapted to resiliently contact a face of the blank so as to urge said blank in a direction longitudinally of said holding means, said holding means being adapted to grip a blank of either concave or convex curvature and at any angled position within the limits of its gripping fingers so as to retain the position to which the blank is shifted by said adjustable portion, whereby a predetermined amount of adhesive may be deposited on the lens block from said adhesive supply tank and the blank retained by said holding means swung into alignment with said lens block and into engagement with the adhesive, while retained in adjusted position by said holding means.

2,253,955

MAGNESIA COATED REFRACTORY PARTICLES AND THE PREPARATION THEREOF

Gustav A. Hebbe and Ralph E. Gibbs, York, Pa., assignors to J. E. Baker Company, York, Pa., a corporation of Pennsylvania

No Drawing. Application July 14, 1938, Serial No. 219,195
12 Claims. (Cl. 106—61)

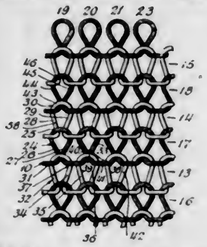
1. A process of preparing coated refractory particles comprising heating and agitating burned dolomitic particles mixed with a minor proportion of a finely divided relatively pure magnesium compound and a bonding agent therefor to ceramically bond magnesia to the surfaces of said dolomitic particles and thereby increase the magnesia content of the surfaces of said particles.

2,253,956

KNITTED FABRIC AND METHOD OF MANUFACTURING THE SAME

Ester Hughes, New York, N. Y., assignor to No-Run Corporation, Wilmington, Del., a corporation of Delaware

Application February 8, 1941, Serial No. 378,008
5 Claims. (Cl. 66—169)



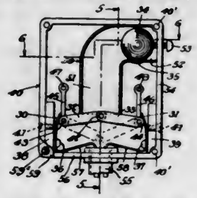
1. A knitted fabric comprising courses of loops each of which includes a bight and two adjoining legs, the legs of the loops constituting each alternate course only of the fabric crossing each other close to the bight of a loop in a preceding course to cause the twisting of said loops.

2,253,957

AUTOMATIC CIRCUIT-BREAKING ELECTRIC SWITCH

James A. Kammerdiner, Los Angeles, Calif.

Application March 11, 1939, Serial No. 261,217
1 Claim. (Cl. 200—52)



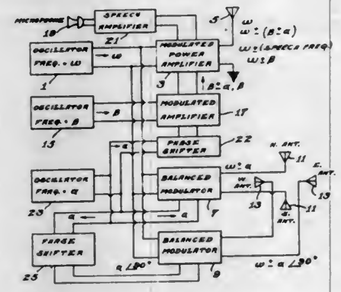
An automatic circuit-breaking switch comprising a casing, a pair of spring contacts mounted in said casing, a pair of link contacts pivoted together at their inner ends, a pair of suspension links pivoted at their upper ends to said casing and at their lower ends to the outer ends of said link contacts respectively, so that when the inner connected ends of said link contacts are raised their outer ends are forced outwardly against said spring contacts and the switch is closed thereby, means for limiting the upward movement of said link contacts, a seat mounted in said casing and a ball to be seated on said seat when the switch is closed and to be shaken off said seat by shock to drop upon and depress the inner ends of said link contacts to withdraw the outer ends of said link contacts from said spring contacts and open the switch.

2,253,958

ROTATING RADIO BEACON

David G. C. Luck, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 22, 1938, Serial No. 215,102
6 Claims. (Cl. 250—11)



2. The method of directional transmission which includes generating carrier frequency energy, modulating said energy with energy from a modulated sub-carrier of a frequency higher than speech frequencies, modulating said carrier with speech frequencies, radiating said double modulated carrier energy, deriving two phases of energy of said sub-carrier modulation frequency, modulating said carrier frequency energy by said two phase energy and separately radiating said last mentioned energy in differently directed patterns.

2,253,959

COMBINATION OF RESILIENT PAD AND CUTOUT INSOLE

Meyer Margolin, Elgin, Ill.

Application June 18, 1941, Serial No. 398,591
7 Claims. (Cl. 36—3)



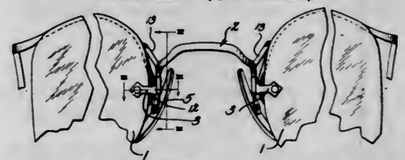
2. In combination, an insole and a rubber-like pad, said insole having an opening in the central forepart portion thereof, the marginal portion of the insole surrounding said opening having a downwardly and inwardly tapered edge, said rubber-like pad being disposed over said opening, said rubber-like pad being upwardly and outwardly tapered, said upwardly tapered portion of said rubber-like pad overlying the downwardly tapered edge of said marginal portion, perforations extending through said rubber-like pad, and stitching securing said rubber-like pad to said insole, said rubber-like pad having a peripheral feather edge, said rubber-like pad extending over the untapered marginal portion of said insole but terminating within the periphery of said insole, said rubber-like pad covering almost the entire forepart of the insole.

2,253,960

OPHTHALMIC MOUNTING

Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application November 1, 1938, Serial No. 238,171
2 Claims. (Cl. 88—47)



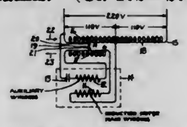
1. In lens supporting means, associated bridge means, lens holding means and temple supporting means, said temple supporting means being connected to the lens supporting structure adjacent the lens holding means and adapted to extend along the upper contour edges of the lenses when in position thereon and terminating in temple connections, said lens holding means being adapted to be connected with the lenses and said bridge means comprising a central arch portion for spanning the nose and shaped to lie substantially in the direction of the plane of the lenses and terminating in rearwardly extending end portions which are looped forwardly and downwardly to depending end portions, said loop portions being disposed in a direction substantially normal to the plane of the lenses and said depending end portions being connected with the lens holding means and a relatively long and slender reinforcing connecting member secured adjacent one end thereof to the bridge member adjacent the rearwardly extending loop portion thereof and extending upwardly and secured adjacent the upper end thereof to the temple supporting member at a point spaced from the lens holding means, said reinforcing connection member being adapted to provide increased strength and rigidity at the sides of the bridge for preventing accidental displacement of said temple supporting members adjacent said bridge and being adapted to transmit shock and strain received by said temple supporting members to said central portion of the bridge to relieve said lenses from said shock and strain, when in position thereon.

2,253,961

ALTERNATING CURRENT MOTOR AND CONTROLLER

Cyrus Stonehill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

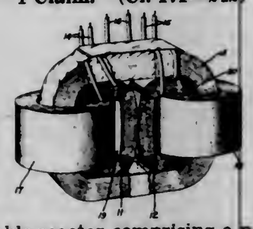
Application August 23, 1939, Serial No. 291,529
4 Claims. (Cl. 172—278)



1. An induction motor having a main winding and an auxiliary winding displaced in space phase, a phase modifying device connected in series with the auxiliary winding, a transformer having a winding adapted to be conductively connected to a supply circuit and an oppositely wound second winding in inductive relation to the first, lying along the said first winding so that successive points on the second winding lie along successive points on the first, and a slider for electrically connecting points of the second

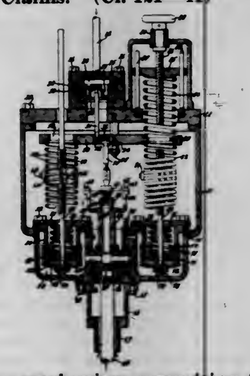
transformer winding to adjacent points of the first transformer winding, said main motor winding being connected between one end of the first of said transformer windings and the corresponding end of the second of said transformer windings and said auxiliary motor winding and phase modifying device being connected between the remaining ends of said transformer windings.

2,253,962
REACTOR
Paul A. Vance, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application August 6, 1937, Serial No. 157,758
1 Claim. (Cl. 171—242)



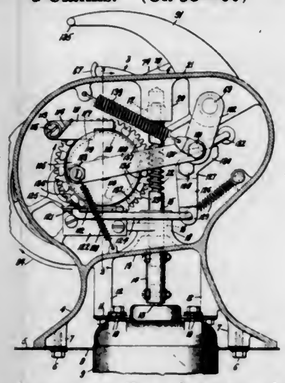
A saturable reactor comprising a pair of form-wound alternating-current windings having core windows therein and placed tangent, a direct-current winding surrounding the other two windings, a magnetic core composed of a strip of magnetic material spirally wound flatwise closely around contiguous sides of said alternating-current windings and partially filling the core windows therein, a magnetic core composed of a strip of magnetic material spirally wound flatwise closely around both one side of said direct-current winding and the remaining side of one of said alternating-current windings and substantially filling the remainder of the core window therein, and a magnetic core composed of a strip of magnetic material spirally wound flatwise closely around both the remaining side of said direct current winding and the remaining side of the other of said alternating current windings and substantially filling the remainder of the core window in said other alternating current winding.

2,253,963
GOVERNING MECHANISM
Francis H. Van Nest, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application May 7, 1938, Serial No. 206,617
9 Claims. (Cl. 121—41)



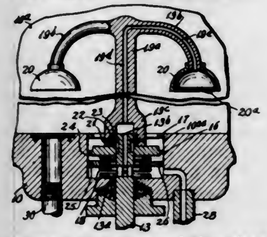
8. Governing mechanism comprising the combination of a lever, a device connected to the lever and responsive to changes of a condition to be controlled, two hydraulic motors connected to the lever, a source of fluid under pressure, a control element connected to the lever and controlling the flow of fluid from the source to both motors, and means for controlling the rate of flow of fluid under pressure to one of the motors with relation to the rate of flow to the other motor.

2,253,964
IRONER
George W. Wardwell, Jr., Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application October 4, 1938, Serial No. 233,253
3 Claims. (Cl. 38—60)



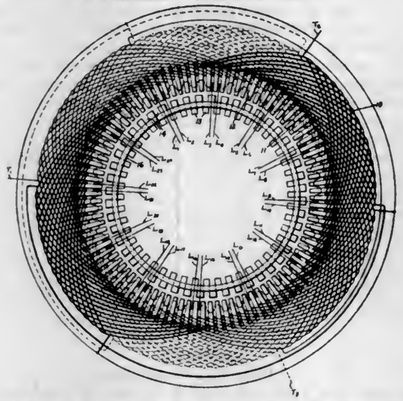
3. In an ironer, a roll, a shoe, a rock shaft, an arm on the rock shaft connected to the shoe whereby the shoe is moved toward and away from the roll upon oscillation of the rock shaft, power driven mechanism for driving the roll and for oscillating the rock shaft, a control lever for said mechanism extending from the rock shaft over the shoe, and selectively operable connections between said lever and said arm whereby said arm may be moved by said lever relative to the roll independent of said mechanism.

2,253,965
COMBINATION WASHING MACHINE AND SINK
Rudolph O. Wassmer, Brooklyn, N. Y.
Application March 12, 1940, Serial No. 323,507
9 Claims. (Cl. 68—4)



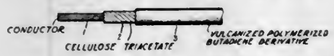
1. In a washing machine of the class described, a tub having a bottom wall, a drive mechanism having a vertical shaft extending through said bottom wall and having its top end flush with the top face of said bottom wall, and its top portion provided with bayonet slots, a disc keyed on said shaft and slidably mounted thereon and normally having its top face flush with the top face of said bottom wall, resilient means for holding said disc in its normal position, means for holding said disc from turning in a lowered position, and a wash agitating member for location in said tub and having a bottom socket portion with pins engageable with said bayonet slots.

2,253,966
INDUCTOR FREQUENCY CHANGER
Fred W. Baumann, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 2, 1940, Serial No. 359,397
4 Claims. (Cl. 172—281)



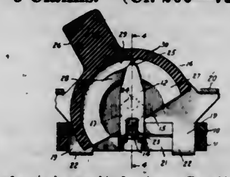
1. An inductor type frequency changer comprising a dynamo-electric machine having relatively rotating members, one member having a slotted magnetic part with high and low frequency windings contained in the slots thereof and the other member comprising a magnetic member having substantially uniform reluctance with respect to the flux of the low frequency winding slotted to cooperate with the first mentioned member to produce a high frequency modulated flux, means for causing relative rotation of said members whereby when the low frequency winding is energized by alternating current a modulated high frequency voltage is induced in the high frequency winding.

2,253,967
INSULATED ELECTRICAL CONDUCTOR
Leonhard Carl, Berlin - Friedenau, and Paul Nowak, Berlin - Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York
Application July 21, 1939, Serial No. 285,814
In Germany August 2, 1938
1 Claim. (Cl. 174—120)



An insulated cable comprising a conductor, a helical wrapping of an unplasticized cellulose triacetate capable of withstanding temperatures of 130° C. without deterioration on said conductor, and an outer covering vulcanized in situ comprising a polymerized butadiene derivative resulting from the polymerization of butadiene in the presence of metallic sodium, said cellulose triacetate wrapping being mechanically and electrically the same after vulcanization of the butadiene derivative as when applied to the conductor prior to vulcanization.

2,253,968
ELECTRIC SWITCH
Leonard W. Cook, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application November 8, 1939, Serial No. 303,361
3 Claims. (Cl. 200—73)

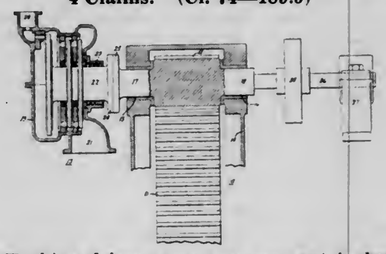


1. In an electric switch, two flexible blades provided with cooperating contact surfaces, and an operating member having a cam surface and a shoulder adjoining each other to form a curved edge, said cam surface being disposed between said blades to separate them upon movement of said member in one direction to open an electric circuit through said contact surfaces, the ends of said contact blades engaging said curved edge and being flexed during movement of said member such that they are positioned in engagement with said shoulder upon completion of the movement, said blades moving along said shoulder and dropping off said edge to complete a circuit through said contact surfaces upon movement of said member in a reverse direction.

2,253,969
HARD METAL ALLOY FOR STRUCTURES OPERATING UNDER PRESSURE AND/OR SLIDING MOTION
Walther Dawihl, Kohlhasenbruck, near Berlin, and Adolf Fehse, Berlin, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Application June 8, 1940, Serial No. 339,590. In Germany July 31, 1939
3 Claims. (Cl. 308—242)

1. In combination, a bearing element and a cooperating counterpart element one of said elements consisting of a cemented tungsten carbide, the other element consisting of a hard metal alloy consisting of about 30 to 95% tungsten carbide and 70 to 5% of one or more of the carbides from the group titanium carbide, zirconium carbide, vanadium carbide, columbium carbide, chromium carbide, the lower percentage of tungsten carbide being associated with the higher percentage of the carbides from said group.

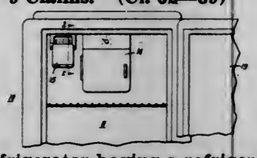
2,253,970
TURBINE DRIVEN GEAR ARRANGEMENT AND THE LIKE
Edgar D. Dickinson, Beverly, Mass., assignor to General Electric Company, a corporation of New York
Application February 14, 1940, Serial No. 318,965
4 Claims. (Cl. 74—189.5)



1. Turbine driven gear arrangement including

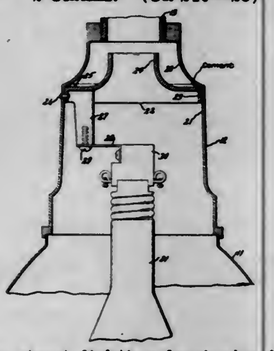
the combination of a gearing having a casing, a pinion with a shaft and main bearings on both sides of the pinion for supporting the shaft on the casing, a turbine having a rotor completely supported on an overhung portion of the pinion shaft, and means to prevent misalinement of the pinion, said means comprising an extension for the pinion shaft on the side opposite the turbine and an auxiliary bearing supporting the outer end of the extension.

2,253,971
FOOD STORAGE RECEPTACLE
William P. Dodge, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application March 9, 1940, Serial No. 323,223
9 Claims. (Cl. 62—89)



1. In a refrigerator having a refrigerated compartment, a food storage receptacle, and means for supporting said receptacle in said compartment, said means including a first mounting member supported by a wall of said compartment, said member having a recess in a wall thereof, a second mounting member associated with said receptacle and extending into said recess in said first member, the weight of said receptacle and contents therein urging said second member into said recess.

2,253,972
LUMINAIRE
Harold J. Flaherty, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application December 15, 1939, Serial No. 309,438
2 Claims. (Cl. 240—25)



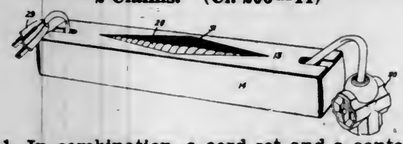
1. In a street lighting luminaire including a globe, a reflector housing and a cap joined to each other to form a water-tight enclosure for a light source, the combination of a lamp socket mounted in said cap, a hollow pipe support joined to said cap, and arranged to guide conductors to said socket, a conical member mounted in said cap between said pipe support and said socket, said conical member having an upper opening concentric with the said pipe support and an outside diameter smaller than the diameter of the opening in said pipe support, said member having its lower end in water-tight relationship with said cap, whereby water dripping into said cap from said support falls on the outer surface of said conical member and is thereby diverted into the chamber defined by the conical member and the wall of said cap.

2,253,973
PERMANENT WAVING DEVICE
John Fluegel, Kansas City, Mo.
Application September 7, 1939, Serial No. 293,676
4 Claims. (Cl. 132—36)



4. A hair waving apparatus comprising a spool on which a strand of hair is adapted to be wound and having annular grooves adjacent its outer ends; an elongated hollow body member, made of a pliable material, having spaced apart clamp members adapted to be moved to clampingly engage said strand of hair and having recessed end walls with ribs adapted to engage in the annular grooves of said spool, to maintain the spool in position in said body member; reinforcing rods mounted in said body member adjacent the clamping walls of said clamp members, resilient members joining said reinforcing rods whereby said clamp members are normally secured in open spaced apart relation; and means associated with said reinforcing rods whereby the clamp members are urged to the closed position.

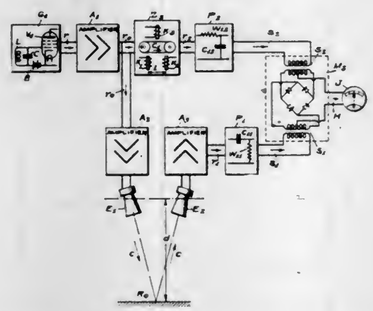
2,253,974
PAPER CONTAINER
Theodore P. Guild, Providence, R. I., assignor to Monowatt Electric Corporation, a corporation of Connecticut
Application January 11, 1939, Serial No. 250,326
2 Claims. (Cl. 206—44)



1. In combination, a cord set and a container therefor, said container comprising a body portion including a plurality of side walls, end walls extending from the opposite ends of said body portion, a tab extending from a free edge of each of said end walls and positioned adjacent the inner surface of one of said side walls, said tabs each having a recess formed therein and extending inwardly from the outer edge thereof, said one side wall having inwardly extending recesses formed in the opposite ends thereof, the recesses in said tabs and side wall being arranged to coincide throughout at least a portion of their areas to form openings in said container, said cord set comprising a length of cord formed into a coil and having a wiring device secured to each end thereof, said coil being positioned in said container with each end of said cord extending through one of said openings to support said wiring devices on the outside of said container.

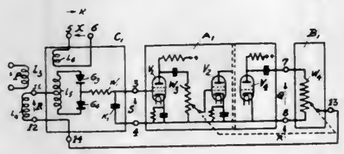
2,253,975
DISTANCE DETERMINING SYSTEM
Gustav Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, a corporation of New York
Application May 27, 1939, Serial No. 276,114
In Switzerland September 26, 1938
20 Claims. (Cl. 177—352)

1. A distance determining system comprising means for producing a complex wave having a substantially constant amplitude and being constituted by a multiplicity of energy components of different frequency the energies of which are small compared with the total energy content of said wave, means for transmitting a portion of said wave to a distant point, means for receiving the wave reflected from said point, adjustable



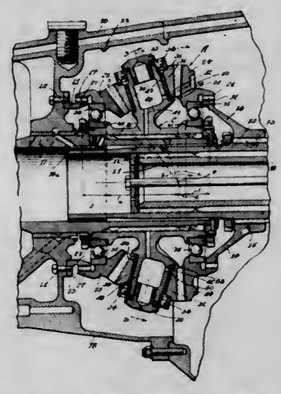
means for variably imparting substantially equal time delays to all the components of another portion of said wave, means for combining the received and delayed waves to produce a product function resultant magnitude, and means for utilizing the direct component of said magnitude for indicating the distance of said point by said adjustable delay means.

2,253,976
ELECTRICAL OSCILLATION TRANSLATING SYSTEM
Gustave Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, a corporation of New York
Application December 7, 1939, Serial No. 308,054
In Switzerland December 2, 1938
14 Claims. (Cl. 179—171)



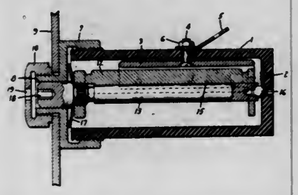
1. A wave translation system comprising a principal wave path including an amplifier, said wave path having imperfect transmission characteristics, a feedback path having substantially perfect transmission characteristics for feeding back output energy in inverse phase upon the input of said principal wave path to produce differential wave energy, means for sequentially selecting at a frequency which is high compared with the highest component frequency of the wave energy to be translated minute portions of said differential wave energy, means for converting the selected energy portions into control energy having an amplitude undergoing successive variations by amounts proportionate to the magnitudes of the selected energy portions, and means for impressing said control energy upon the input of said wave path.

2,253,977
REDUCTION DRIVE MECHANISM
James W. Kinnucan, Detroit, Mich., assignor, by mesne assignments, to Continental Aviation and Engineering Corporation, a corporation of Virginia
Application September 1, 1939, Serial No. 293,098
12 Claims. (Cl. 74—303)



1. A reduction drive including driving and driven members, a pair of beveled ring gears of different pitch diameter, a fixed support, said ring gears each provided with means constructed for interlocking connection with the driving member or said fixed support, whereby to permit the selective mounting of either ring gear in driving relation with said driving member, a carrier drivingly connected with said driven member and carrying a plurality of spindles inclined to a plane extending normal to the carrier axis, and a plurality of beveled idler gears rotatably mounted on said spindles and meshing with said ring gears, said carrier adjustable end for end whereby to relatively adjust the position of said idler gears for driving engagement with a preselected positioning of said ring gears.

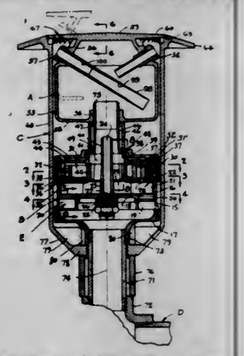
2,253,978
VARIABLE CAPACITOR
Irby A. Meriwether, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 29, 1940, Serial No. 321,485
1 Claim. (Cl. 175—41.5)



A variable capacitor comprising a tubular housing of insulating material having an end wall integral with the tubular wall thereof, an arcuate electrode secured to the inner curved face of said tubular wall, a combined terminal and securing member for said electrode extending radially through the electrode and the tubular wall, a metallic cap having a threaded portion receiving the other end of said housing and having a reduced central portion adapted to extend through a supporting panel, means for

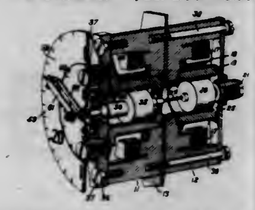
clamping said cap against said panel, a shaft journalled at one end in the reduced portion of said cap and having a bearing at the other end with said housing and an electrode secured to said shaft and provided with an arcuate outer face concentric with said arcuate electrode.

2,253,979
SPRINKLER HEAD
Patrick De Lacy-Mulhall, Los Angeles, Calif., assignor to Katherine De Lacy-Mulhall, widow of Patrick De Lacy-Mulhall, deceased, by court order and decree
Application April 19, 1938, Serial No. 202,854
14 Claims. (Cl. 299—67)



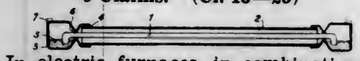
7. In apparatus of the character described, a rotary sprinkler head, a hydraulic motor, including a casing for rotating said head, and reduction gearing connecting the motor and the head, comprising a floating ring gear, an internal gear in driving relation to the ring gear, and operatively connected to the head, a stationary internal gear secured to the casing and also in driving relation to the ring gear, and an eccentric pin device carried by the motor for urging the ring gear into engagement with both internal gears.

2,253,980
DOUBLE POINTER TELEMETER INDICATOR
Benjamin H. Parker, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application July 29, 1939, Serial No. 287,350
4 Claims. (Cl. 177—327)



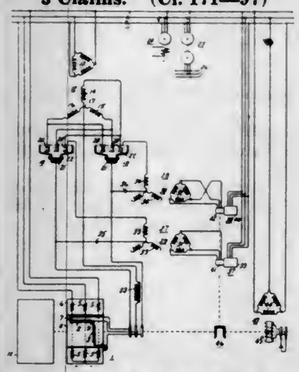
1. A mounting arrangement for a pair of independently rotatable elements comprising a pair of fixed bearings and cone-shaped end and side thrust journals cooperating therewith at the ends of one of said elements, a fixed bearing in axial alignment with said previously mentioned bearings and a bearing mounted within said first mentioned movable element also in axial alignment with the previously mentioned bearings, and journals carried by the second of said movable elements cooperating with said last mentioned two bearings.

2,253,981
CURRENT SUPPLY DEVICE FOR RESISTORS OF ELECTRIC FURNACES
Yvan Peyches, Paris, France, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France, a corporation of France
Application July 13, 1939, Serial No. 284,151
In France July 28, 1938
9 Claims. (Cl. 13—25)



1. In electric furnaces, in combination, a resistor, an enclosure surrounding said resistor, and spaced therefrom, said resistor having a free uncovered end extending beyond said end closure, a conducting head surrounding said end and being spaced therefrom, means constituting a fluid-tight connection between said conducting head and said enclosure, and a conducting liquid situated in said head and bathing said end of the resistor.

2,253,982
ELECTRIC VALVE TRANSLATING APPARATUS
Heinz Puppe, deceased, late of Berlin-Reinickendorf, Germany, by William A. Dodge, administrator, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application June 20, 1939, Serial No. 280,084. Divided and this application November 26, 1940, Serial No. 367,206. In Germany July 12, 1938
3 Claims. (Cl. 171—97)

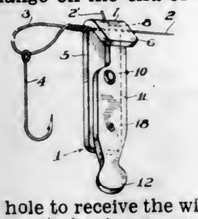


3. In combination, an alternating current supply circuit, a pair of direct current load circuits having a common connection and a pair of terminal connections, means for energizing said load circuits from said supply circuit and comprising an inductive network including a plurality of phase windings having a neutral terminal connected to said common connection of said load circuits, a pair of electric valve means each having a plurality of anodes, an electrically common cathode and a plurality of control members, said cathodes each being connected to a different one of the terminal connections of said load circuits, and means for energizing said control members to transmit different amounts of current to said load circuits.

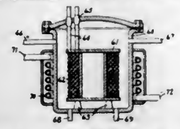
2,253,983
WIRE WINDER
Raymond L. Renier, Los Angeles, Calif.
Application March 25, 1940, Serial No. 325,831
2 Claims. (Cl. 140—123)

1. In a wire winding device, a plurality of

elongated elements pivoted together intermediate the ends thereof, all of said elements having wire contact ends and the other ends thereof forming a handle, a flange on the end of one of the elements with a hole to receive the wire to be wound, said other elements having means to engage the wire to be wound and hold it snugly against the flange on opposite sides of the wire hole.



2,253,984
GAS FILLED CABLE AND METHOD OF MAKING THE SAME
George B. Shanklin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 10, 1938, Serial No. 224,170
18 Claims. (Cl. 173—244)



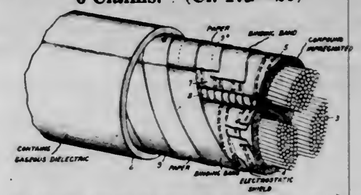
1. The method of making a cable having a conductor covered with fibrous insulation and a normally open gas conveying channel extending longitudinally of the conductor which comprises impregnating the insulation with liquid compound and also admitting the compound to the channel, applying an impermeable sheath around the insulated conductor and the gas channel, and then blowing the compound out of the channel with a neutral gas under positive pressure.

2,253,985
STOP JOINT FOR GAS FILLED CABLES AND METHOD OF INSTALLING THE SAME
George B. Shanklin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application August 10, 1938, Serial No. 224,170. Divided and this application January 31, 1940, Serial No. 316,531
5 Claims. (Cl. 174—10)



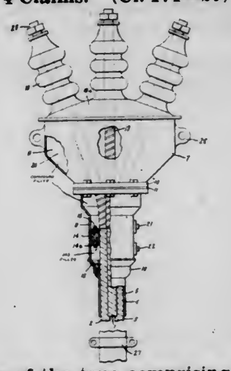
1. Steps in the method of jointing individually sealed lengths of cable, each having insulated multi-conductors, the insulation being impregnated with a liquid compound which has little tendency to bleed and is retained therein by capillary action, an impervious metallic sheath, gas conveying channels therein which are normally free of compound but act to receive compound bleeding from the insulation, and a filling for the sheath and channels of insulating gas under super atmospheric pressure which comprise opening an end of a cable length to expose the gas channels, inserting temporary sealing plugs in the exposed ends of the channels to stop outward flow of gas therefrom, removing a short piece of the sheath adjacent the end to expose the conductors and their coverings, inserting a second set of temporary sealing plugs in the outer gas channels, removing the first set of plugs, similarly treating the other cable, jointing and insulating corresponding conductors, removing the second set of plugs, enclosing the joints in a casing, and subsequently sealing the casing.

2,253,986
GAS FILLED CABLE
George B. Shanklin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application August 10, 1938, Serial No. 224,170. Divided and this application May 3, 1940, Serial No. 333,181
6 Claims. (Cl. 174—26)



1. A cable installation comprising a conductor, a body of insulation thereon which may contain small voids but is without intentional free spaces, a viscous impregnating compound which retains its liquid form at load temperatures and when subjected to incipient ionization discharges causes wax to form for impregnating the body which after impregnation presents a dry peripheral surface, an enclosing sheath for the insulated conductor, a longitudinally extending channel located between the body and the sheath, the channel conveying gas to the body and receiving any liquid oozing out of the body, and a filling of neutral gas for the channel under such controlled positive pressure that incipient ionization discharge may take place temporarily under load conditions, the wax formed by the liquid being forced by the gas into the localized void where such discharge started for healing it.

2,253,987
TERMINAL FOR GAS FILLED CABLES
George B. Shanklin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 11, 1940, Serial No. 334,630
4 Claims. (Cl. 174—20)



1. A cable of the type comprising a conductor, impregnated insulation thereon, an enclosing sheath, and a free feed channel within the sheath filled with insulating gas under positive pressure, a terminal located above the level of the cable comprising an insulator, a chambered means sealed at one end to the cable sheath and supporting the insulator, a partition means through

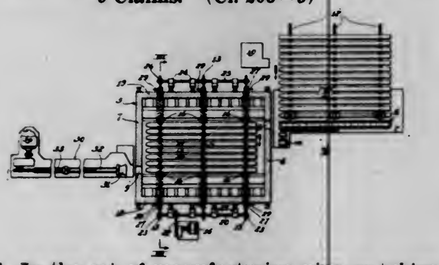
which insulated parts of the conductors extend located in the chambered means below the insulator and exposed on its under side to the positive pressure of the insulating gas contained within the cable, and a filling of insulating compound for the chambered part of the means above the partition means, the gas from the feed channel acting to maintain the compound under positive pressure and prevent it from entering the free feed channel.

2,253,988

ART OF MANUFACTURING PIPE AND TUBING

John E. Shook, Sharon, Pa., assignor to Mercer Tube and Manufacturing Company, Sharon, Pa., a corporation of Delaware

Application February 13, 1940, Serial No. 318,731
9 Claims. (Cl. 205—9)



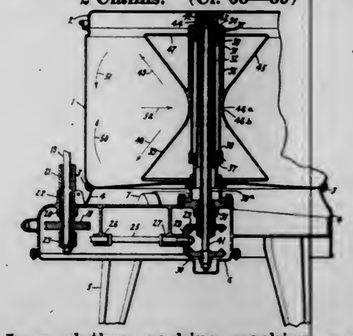
1. In the art of manufacturing pipe or tubing embodying the draw-bench bell-weld method, a process which consists in subjecting individual spaced apart pieces of flat skelp all on a common horizontal plane, to the temperature of an approximately closed heating chamber of a furnace while moving the skelp edgewise on such horizontal plane with continuous motion therethrough at a predetermined speed to produce bell-welding temperature especially as to opposite edges of the skelp whereby to ensure welding connection thereof, and drawing the heated skelp through a die of a draw-bench on said plane for final tube forming operation therein.

2,253,989

ROTATIONAL WASHER

Charles K. Skinner, Southport, Conn., assignor to General Electric Company, a corporation of New York

Application February 11, 1939, Serial No. 255,924
2 Claims. (Cl. 68—89)



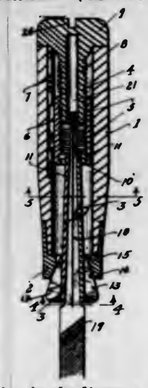
1. In a clothes washing machine, a tub, an agitator at the bottom of the tub rotatable about a vertical axis and having vanes flaring downward and outward toward the bottom of the tub, an agitator at the top of the tub having ribs flaring upward and outward toward the top of the tub, and means for unidirectionally rotating each agitator, the direction of rotation of one of the agitators being opposite that of the other agitator.

2,253,990

TOOL HANDLE

James H. Speed, Portland, Oreg., assignor to Robert H. Bigham, Portland, Oreg.

Application March 23, 1940, Serial No. 325,631
1 Claim. (Cl. 279—39)



A tool handle including a handle proper, a ferrule at one end of the handle, an operating member rotatably and longitudinally movable in the opposite end of the ferrule, gripping jaws movable in the ferrule and handle presenting relatively flat adjacent gripping faces, the flat face of each jaw having at the respective longitudinal edges right angled outwardly extending parallel cam projections, the ferrule being formed at each side of the jaw receiving opening with spaced parallel cam slots to receive and accurately cooperate with the pair of cam projections on each jaw and move the faces of the jaws toward each other in the relatively inward movement of the jaws, and an element intermediate the operating member and the upper ends of the jaws and responsive to rotation of the operating member to move longitudinally within the handle, the element being formed at the end remote from the operating member with a slot to receive a reduced portion at the upper end of each jaw, the slot being of a width corresponding to that of the reduced portion of the jaws and of a length slightly exceeding the full width of the upper ends of the jaws, whereby to permit limited free movement of the jaws relative to the inner diameter of the element to compensate for different thickness of that portion of an introduced tool between the jaws, and thereby facilitate gripping action throughout the full length of the jaws, and cooperating means on the handle and element to prevent rotative movement of the element.

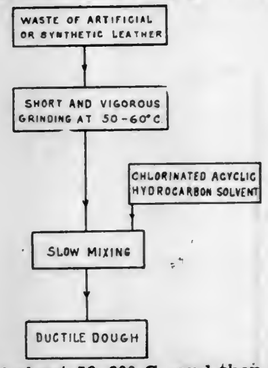
2,253,991

PROCESS FOR THE REGENERATION OF WASTE OF ARTIFICIAL AND SYNTHETIC LEATHERS

Nikita Strachovsky, Paris, France, assignor to Société Salpa Française, Paris, France, a corporation

Application April 17, 1937, Serial No. 137,595
In France April 30, 1936
2 Claims. (Cl. 18—48)

1. A process for manufacturing artificial leather composed of fibrous material and a polymerized agglomerant selected from the group consisting of rubber and synthetic resins, consisting of subjecting wastes of artificial leather to a short and vigorous disintegration by grinding at a temperature of about 50–60° C., and then subjecting the disintegrated material to a mechanical working in the presence of a solvent selected from the group of chlorinated acyclic hydrocarbons.

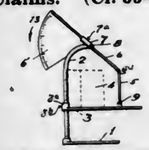


2,253,992

LEVEL INDICATOR FOR LIQUID MIXTURES

Mariano Verduzco, Mexico City, Mexico

Application October 5, 1939, Serial No. 298,045
In Mexico October 8, 1938
3 Claims. (Cl. 33—126.7)



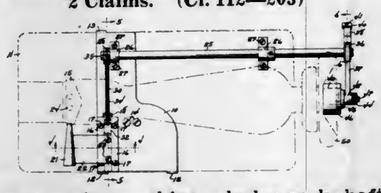
1. In a device for the purpose described, a base, a vertical post fixed to said base, a platform slidably mounted on said post, and constituting a container support, means to secure the platform in vertically adjusted position on the post, said post having its upper end curved to extend over the platform, a sleeve supported by the upper end of said post, a measuring rod movable through said sleeve and having its lower end adapted to engage the surface of a liquid held in a container on the platform, and means indicating the distance of said lower end above the bottom of a container supported on said platform.

2,253,993

FEEDING DEVICE FOR SEWING MACHINES

Ragnar W. Winberg, New York, N. Y.

Application July 10, 1939, Serial No. 283,655
2 Claims. (Cl. 112—203)



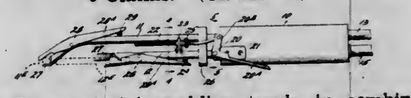
1. In a sewing machine, a bed, a rock shaft extending longitudinally of the bed, a slide mounted to reciprocate on the bed, a crank arm on the shaft, a lug on the slide, a push rod detachably connected to the crank arm and to the lug for reciprocating the slide, a helical spring connected to the crank arm and to the lug for holding the push rod in engagement with the crank arm and with the lug, a driving shaft, an eccentric adapted for connection with the driving shaft, a pitman device connected to the eccentric and to the crank arm to rock the rock shaft, and a folder secured to the slide.

2,253,994

ELECTRIC WELDING TORCH

Clarence Ivens Barclift, Daytona Beach, Fla.

Application April 9, 1940, Serial No. 328,769
6 Claims. (Cl. 219—8)



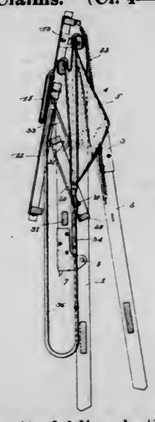
1. In an electric welding torch, in combination, a handle, a conducting bar secured in said handle, a second conducting bar slidably mounted in said handle in parallel relation to said first bar, means on the outer end of each of said bars for supporting an electrode, a coiled spring mounted in said handle and arranged to move said slidable bar inwardly of the handle, means for moving said slidable bar outwardly of the handle to move the electrodes toward each other, said means comprising a bell-crank lever pivotally mounted on said handle, and having one end thereof operatively connected to said slidable bar, the other end of said lever being located adjacent one side of said handle and in convenient position for manipulation by the hand of an operator grasping said handle.

2,253,995

INFANT'S FOLDING BATH STAND AND DRESSING TABLE

William C. Baxter, Rochester, and Charles T. De Puy, Brighton, N. Y., assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York

Original application July 11, 1940, Serial No. 344,882. Divided and this application February 12, 1941, Serial No. 378,562
3 Claims. (Cl. 4—177)



1. In an infant's folding bath stand, the combination with a foldable support including pivotally connected frames and a collapsible tub supported therebetween, of a shelf pivotally mounted on one of said frames beneath the tub

and movable independently thereof, means for supporting the shelf in horizontal position, the shelf having an opening therein, and a hose connected with said tub and having a portion in permanent vertical alinement with and extending through the opening, said opening being larger than the hose and permitting the shelf to swing to its uppermost position when the stand is folded without materially changing the position of the vertical portion of the hose or buckling the same.

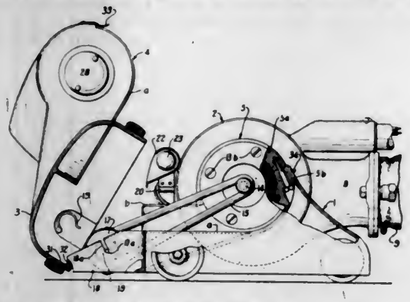
2,253,996
EXERCISING DEVICE
Walter B. Bechman, Montgomery, Ala.
Application January 21, 1941, Serial No. 375,330
1 Claim. (Cl. 272—57)



An exerciser comprising a pair of spaced substantially rectangular standards, a shaft connecting the standards together and rotatably mounted at the ends in openings in the standards, a balance board provided on the bottom face at its transverse center with an inverted V-shaped notch to receive the upper side of the shaft between the standards, said openings in the standards being disposed nearer the upper ends of the standards than the lower ends to permit the standards being inverted to space the shaft nearer a floor and thus vary the height to which the ends of the balance board may rise under impulse of the feet of the user, the balance board extending at the ends beyond the standards, the upper sides of the end portions of the balance board being inclined upwardly and outwardly, rubber pads on said end portions, the balance board being provided at the inner ends of said end portions with projections which have curved upper surfaces extended all the way across the board, said inclined portions and said projections preventing the operator's feet from slipping from the balance board.

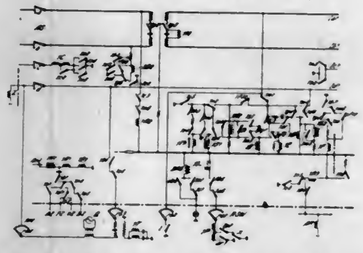
2,253,997
SUCTION CLEANER
Bernard C. Becker, deceased, late of Canton, Ohio, by Bernice Becker, executrix, York, Pa., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 17, 1939, Serial No. 268,183
2 Claims. (Cl. 15—6)

1. In a suction cleaner, the combination of a carriage supporting a cylindrical casing enclosing a motor-driven suction-creating unit and having an open frame defining the marginal lips of a forwardly disposed nozzle, a rotary floor contacting member extending lengthwise of said open frame and journaled at its ends in bearings accessible from the upper side thereof, a lamp supporting bracket mounted on said frame forwardly of said casing, and a removable cover section seating upon said carriage along horizontal planes of contact and including a portion fitting over and around said open frame to complete the nozzle chamber and a portion fitting over said lamp bracket to provide a housing having a ver-



tically arranged front wall with a light-emitting opening therein.

2,253,998
TELEPHONE SYSTEM
Friedrich Beermann, Munich, and Martin Hebel, Oberbayern, Germany
Application April 20, 1939, Serial No. 268,930
In Germany April 23, 1938
20 Claims. (Cl. 179—7.1)

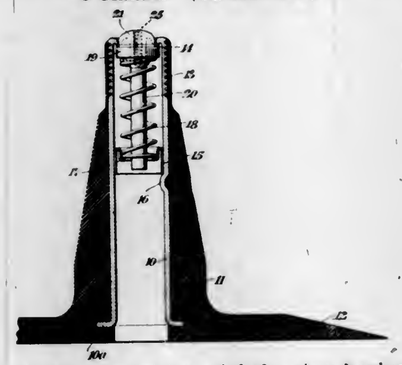


1. A selector operated telephone system comprising a plurality of exchanges including a central exchange, a calling subscriber, a called subscriber, a connecting path between said calling subscriber and said central exchange, means for transmitting dialling impulses sent by said calling subscriber over said connecting path, discriminating means associated with said connecting path and controlled by said dialling impulses, an operator at said central exchange, means controlled by said operator for transmitting dialling impulses to the selectors of said central exchange, and means for transmitting said last-mentioned dialling impulses over said connecting path to said discriminating means.

2,253,999
STABILIZATION OF THE ACIDITY OF FORMALDEHYDE SOLUTIONS
Philip I. Bowman and John Burton, Passaic, N. J., assignors to Heyden Chemical Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 3, 1939, Serial No. 277,254
5 Claims. (Cl. 202—52)

3. The method of stabilizing the acidity of a commercial solution of formaldehyde in methanol and water, and in which small quantities of formic acid and methyl formate are also present, which includes the step of removing 1% to 2% of the solution by distillation at a temperature below the normal boiling point of the solution and at subatmospheric pressure.

2,254,000
VALVE
Lewis C. Broecker, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application February 16, 1939, Serial No. 256,642
3 Claims. (Cl. 251—144)



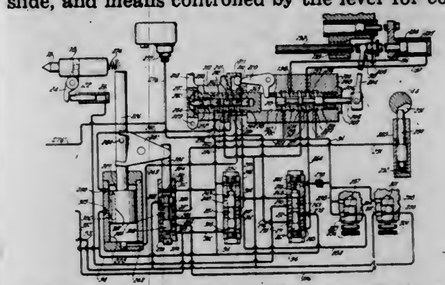
1. A valve comprising a tubular stem having an inwardly facing annular valve seat at one end, an annular abutment in said stem, means integral with said stem for supporting said abutment member, a valve body engageable with said seat, a spring interposed between said abutment and valve body, a pin extending through said abutment, spring, and the bore of said valve seat, an annular head on said pin snugly fitting the bore of said valve seat, said valve body being of larger cross-section than said valve seat and being composed of yieldable material capable of sufficient compression to pass through the bore of said valve seat and said pin head being provided with a threaded access.

2,254,001
TEXTILE PROCESS
Rollin F. Conaway, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 14, 1938, Serial No. 240,428
9 Claims. (Cl. 91—70)

1. Process of improving the crease-resistant properties of textile material which comprises impregnating a cellulose textile material with an aqueous solution of a lower alkyl ether of a methylolurea, and baking the same.

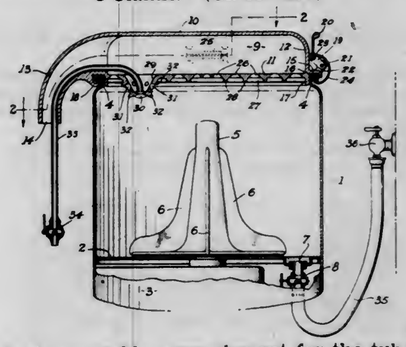
2,254,002
GRINDING MACHINE
Jacob Decker and Hans Ernst, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application June 2, 1939, Serial No. 277,040
19 Claims. (Cl. 51—95)

1. In a grinding machine having a grinding wheel support and a work support, the combination of power operable means for moving one of said supports toward and from the other support including a fluid operable motor connected for actuation of one of said supports, a control valve therefor, a rotatable cam for actuating said valve, a piston actuator for said cam, means for hydraulically locking said piston against movement, a manual control lever, means operable by said lever upon movement in one direction for releasing the locking fluid, means operable by said lever upon movement in a second direction to effect simultaneously movement of the piston and cam to initiate movement of said slide, and means controlled by the lever for con-



necting fluid pressure to said piston after a predetermined movement thereof whereby said piston will automatically continue actuation of the motor.

2,254,003
COMBINED WASHING AND RINSING MACHINE
Louis De Marco, Cleveland, Ohio
Application February 10, 1940, Serial No. 318,317
3 Claims. (Cl. 68—196)

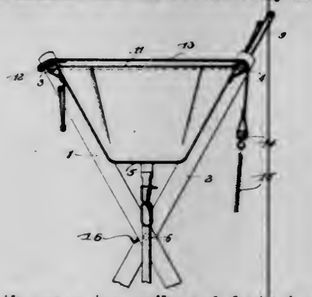


1. A removable cover element for the tub of a machine of the character described, the said cover element having a side wall and a perforated bottom wall below the top of said side wall, the said cover being provided with a discharge outlet communicating with the space above said bottom wall, the said bottom wall having a sump extending therebelow and adapted to communicate with the space thereabove and provided with one or more openings communicating with the space therebelow, and a siphon tube having an upper receiving end located within said sump below the portion of the bottom wall thereabove and extending through the side wall of the cover and having its lower delivery end located below its inner receiving end and provided with a valve.

2,254,004
FOLDING DRESSING TABLE
Charles T. De Puy, Brighton, N. Y., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York
Application December 27, 1940, Serial No. 371,933
5 Claims. (Cl. 311—78)

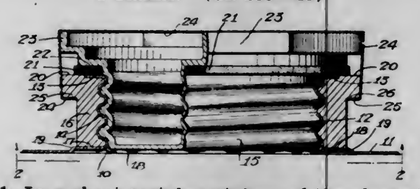
2. The combination with a foldable support comprising front and rear pivotally connected leg frames each of which includes a longitudinally extending top rail, of a table frame pivoted to the rear leg frame and positionable horizontally over the front leg frame, said table frame having a

front portion located parallel to and forwardly of the front top rail when in horizontal position, a flexible table connected to said front portion of the table frame and resting on the front top rail when in horizontal position, means acting to hold the flexible table in substantially fixed rela-



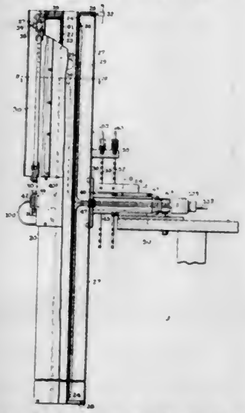
tion to the rear top rail, and fastening means holding the table frame in lowered vertical position against the front leg frame when the support is folded with the flexible table stretched taut from the rear top rail around the front top rail and to the front portion of the table frame.

2,254,005
CLOSURE DEVICE FOR CONTAINER OPENINGS
Howard W. Dodson, Philadelphia, Pa., assignor, by mesne assignments, to United Steel Barrel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 14, 1939, Serial No. 284,463
4 Claims. (Cl. 285—49)



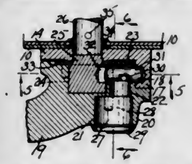
1. In a sheet metal container of the character described, a sheet metal panel having an opening therein bounded by an integral outwardly extending generally cylindrical annular flange, the longitudinal axis of said flange being generally perpendicular to the plane of said panel at the base of the flange, the wall of said flange being helically corrugated and having its inner surface adapted for direct screw-threaded engagement with the threaded outer surface of a closure plug, the outer end portion of said flange being turned downwardly into juxtaposition with the panel metal surrounding the basal portion of said flange, and a relatively thick annular flange-reinforcing band of a lower melting point metal, cast in situ, extending around solely the outer surface of said flange and reaching from the panel metal at the base of said flange to the juxtaposed downturned outer end portion of said flange, the metal of said cast band extending into and snugly filling the troughs of said helical corrugations in the flange wall, whereby said cast band is non-rotatable relative to said flange and snugly backs said flange in a zone generally coextensive with its zone of screw-threaded engagement with said closure plug thereby materially strengthening said flange around said zone, said cast band being generally confined to the immediate vicinity of the panel opening, but not extending thereinto.

2,254,006
APPARATUS FOR TESTING WELL SAMPLES
Paul G. Exline, O'Hara Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application November 10, 1938, Serial No. 239,898
8 Claims. (Cl. 73—51)



1. A well sample testing apparatus comprising a rotatably mounted tubular heater having a well sampler fixed therein, a bleeder head affixed to said sampler and provided with a control push rod and two needle valves, said sampler being provided with a valve adapted to be opened by said push rod, a graduated separator burette connected by a tube to one of said needle valves, and by another tube to a gasometer, a mercury pump connected by another tube to the other needle valve, a pressure plug fixed in said tubular heater in communication with a pressure-responsive means in said sampler, said pressure plug being provided with a hollow contact pin connected by a tube with a pressure-applying and measuring means, said pin forming an electrical circuit through a voltmeter when in contact with said pressure-responsive means in said sampler.

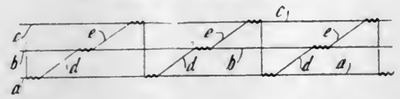
2,254,007
LOCK
Irving J. Fletcher, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application March 26, 1940, Serial No. 325,945
4 Claims. (Cl. 70—215)



1. A lock including an escutcheon in the form of a flat plate with a hole therein and a thick lip on one side having a recess to receive a locking bolt and thereby resist turning movement of a handle, a handle rotatably mounted on said plate having an edge adjacent said lip and having a recess registering with said hole, a latch bolt operating spindle projecting into said recess and having a locking recess in its side, a lock bolt located in a hole extending between the recess in the handle and the outer edge thereof and engageable simultaneously with the locking

recesses in both said spindle and lip while being moved from the locking to the unlocking positions, and means for operating said locking bolt.

2,254,008
LADDER WEBBING
Roger French, Manchester, England
Application August 14, 1940, Serial No. 352,547
In Great Britain August 23, 1939
11 Claims. (Cl. 139—384)

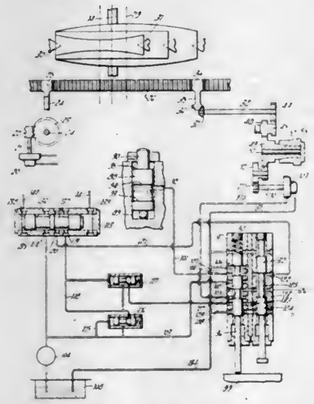


1. Ladder webbing, characterised by being composed of at least three bandings composed of woven warp and weft, two of which are outer bandings and at least one is an intermediate banding, cross-straps including warp threads between each of the outer and the intermediate bandings, said warp threads being woven into at least some of said bandings.

2,254,009
SYMMETRICAL DI-2-OCTYL-GUANIDINE
Ingenuin Hechenbleikner, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 24, 1940, Serial No. 331,386
1 Claim. (Cl. 260—564)

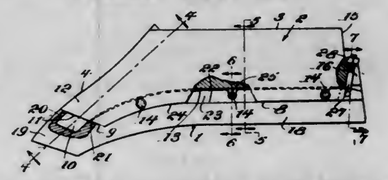
Symmetrical di-2-octyl guanidine.

2,254,010
GRINDING MACHINE
Charles Herfurth and Raymond D. Wortendyke, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application April 25, 1938, Serial No. 204,083
14 Claims. (Cl. 51—33)



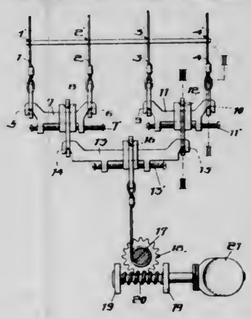
1. In a machine tool having a work support and a tool support, the combination of transmission means for effecting relative movement between the supports, including a first power driven train for moving one of said supports, a second train in driving engagement with the movable support and including an actuator for the second support, and means to eliminate backlash from said second train to maintain synchronism between said actuator and the movable support, including a hydraulic motor connected to the second train, and means for maintaining unidirectional pressure on said motor whereby the motor will act as a retarding means during one direction of movement and as a driving means during the other direction of movement of said second train.

2,254,011
PLOWSHARE
Dock Matthew Kernodle, Jamestown, Ind.
Application January 13, 1941, Serial No. 374,297
2 Claims. (Cl. 97—125)



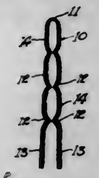
1. A plowshare comprising a body section and a detachable blade section, said body section having a groove along the lower edge thereof, a relatively narrow strip like member included in the blade section, a rib along the length of the strip like member and mounted in the groove, a lug formed on the front end portion of the body section, a point member formed on the strip like member and having a socket therein for the lug, spaced parallel means extending from the rear end of the body section, and a bolt and nut connection having the bolt detachably connected to the rear end of the strip like member and mounted between the spaced parallel means for cooperation therewith to lock the blade section on the body section.

2,254,012
MECHANICAL TUNING DEVICE FOR STRING MUSICAL INSTRUMENTS
Toyojiro Kudo, Koishikawa-ku, Tokyo, Japan
Application January 11, 1940, Serial No. 313,334
5 Claims. (Cl. 84—455)



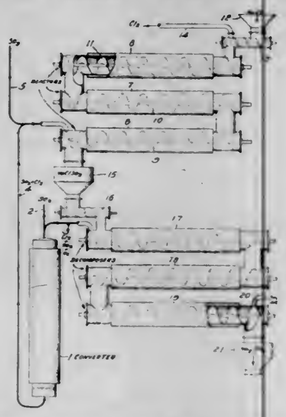
1. In a musical instrument having a plurality of strings, mechanical means for tuning said strings and comprising a pivoted lever having a fulcrum movable longitudinally of the lever, means connecting different strings of the instrument to opposite ends of said lever, means for adjusting said fulcrum to any position within its range of movement on the lever thereby to vary the relative tension exerted by the arms of the lever on the strings connected thereto, and means for exerting a pull on said fulcrum in the direction of the length of the strings thereby to tune all of said strings simultaneously.

2,254,013
HAIRPIN
Raymond Larson, Chicago, Ill.
Application September 5, 1939, Serial No. 293,481
7 Claims. (Cl. 132—50)



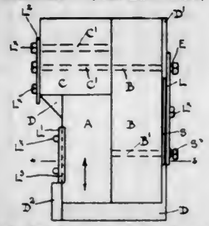
1. A hairpin including the surface of the body thereof substantially completely coated with a composition consisting of finely divided particles of inorganic matter of irregular shapes carried in a hardened fluid vehicle.

2,254,014
PROCESS OF MAKING CHLORINE AND SODIUM SULPHATE
Napoleon Arthur Laury, Rockville Centre, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application November 21, 1939, Serial No. 305,471
4 Claims. (Cl. 23—121)



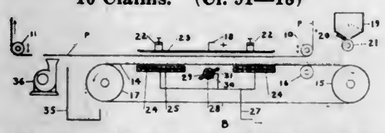
1. A continuous process for producing sodium sulphate and chlorine from sodium chloride and SO_2 containing gases which comprises passing a stream containing SO_2, oxygen, and chlorine through a contact sulphuric acid converter at reaction temperature to produce gases containing SO_3 and chlorine, passing these gases over finely divided sodium chloride at a temperature sufficiently high to produce reaction therewith but below the temperature at which sodium chlorosulphonate is decomposed into chlorine and SO_2 whereby the SO_3 content of the gases reacts with the sodium chloride to produce sodium chlorosulphonate, discharging the chlorine admixed with the fixed gases from the reactor, removing the sodium chlorosulphonate formed from the zone of reaction, heating the sodium chlorosulphonate to the decomposition temperature in the presence of a stream of oxygen containing gas whereby gaseous chlorine, SO_2 and sodium sulphate are produced by the decomposition, recovering the sodium sulphate produced and passing the gaseous stream containing chlorine and SO_2 together with additional SO_2 through the contact sulphuric acid converter.

2,254,015
DABBING BRUSH FOR WOOL COMBING MACHINES
Thomas Lorimer, Bradford, England
Application January 11, 1940, Serial No. 313,383
In Great Britain July 17, 1939
3 Claims. (Cl. 19—124)



1. A sectional dabbing brush for woolcombing machines, comprising a back member, a plurality of brush sections removably secured on said back, one of said sections being slidable in relation to the other sections into and out of position on the back, all of said sections being individually reversible endwise with relation to each other, and flexible means for retaining said slidable section in operative position.

2,254,016
COATING APPARATUS
Romie L. Melton, Raymond C. Benner, and Henry P. Kirchner, Niagara Falls, N. Y., assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application January 20, 1933, Serial No. 652,638
10 Claims. (Cl. 91—18)



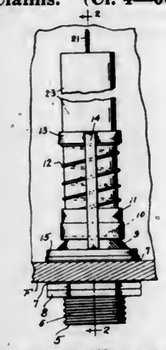
1. Apparatus for the manufacture of granular coated webs comprising a grain projector which includes a movable carrier for granular material and means including a high tension electrode as an integral part thereof for vibrating said carrier, and means for supporting an adhesive coated web with an adhesive surface downward positioned above said grain projector.

2,254,017
SHOE SEWING MACHINE
Alfred R. Morrill, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 30, 1938, Serial No. 232,546
4 Claims. (Cl. 112—39)



1. An inseam shoe sewing machine having, in combination, a back rest slide, and a wear plate secured to the forward end of the back rest slide having a non-marking polished surface of synthetic resin against which the upper of a shoe being operated upon can rub without being marked or otherwise injured.

2,254,018
COMBINATION FLUSH TANK VALVE AND OVERFLOW PIPE
Carmine Polcari, Boston, Mass.
Application February 26, 1941, Serial No. 380,710
4 Claims. (Cl. 4—60)



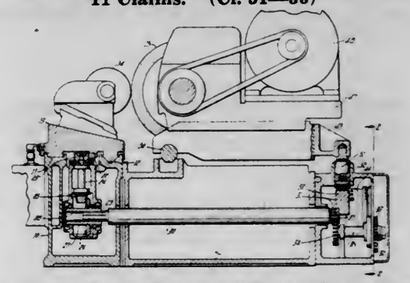
1. The combination with a toilet flush tank and its valve operating lever, a nipple extending through and secured to the bottom of the tank and having exterior threads adjacent its upper end, a valve-seat formed on the upper end of the sleeve, a gasket resting on the valve-seat, a valve carrying the gasket at its lower end, a valve-sleeve secured at its upper end to the valve and extending into the nipple, said valve-sleeve having large ports adjacent its lower end, an elongated overflow pipe threadedly secured to the upper end of the valve, a skeleton guide-yoke threadedly secured to the upper threaded portion of the nipple with its upper end surrounding the overflow pipe, an expansion coil spring surrounding the overflow pipe with its upper end bearing against the upper end of the skeleton guide-yoke and its lower end bearing against the upper end of the valve, an upwardly extending fin formed on the valve-sleeve disposed in the overflow pipe, an apertured head formed on the upper end of the fin, a twisted wire link having its lower ends spread and connected to the head of the fin, and a hook carried by the upper end of the link connected to the valve operating lever.

2,254,019
BRACKET FOR VALANCE RAILS
Arthur Powell, Birmingham, England, assignor of one moiety to W. A. Hudson, Limited, London, England, a company of Great Britain and Northern Ireland
Application June 7, 1939, Serial No. 277,765
In Great Britain September 8, 1938
3 Claims. (Cl. 248—227)



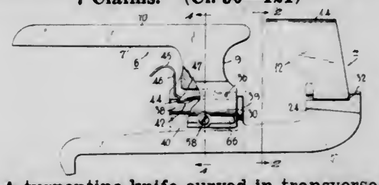
3. A bracket for valance rails comprising two members pivotally connected together and shaped so as to form jaws adapted to be opened and closed by movement about said pivot to engage the web and flange of a flanged rail in such a manner that one of said members is held against angular movement relative to said flange and web by engagement therewith, the other member being movable and associable with the valance rail so disposed that a plane passing through the longitudinal axes of the pivot and the last mentioned movable member contains a contour of the hook or a projected bent contour thereof, the hook being so disposed that the valance rail when in position serves to prevent pivotal movement of said member to open said jaws, the pivotally connected members being provided with counterpartal projection and orifice catch means to limit their relative angular movement.

2,254,020
CAMBERING MECHANISM FOR GRINDING MACHINES
Clifford L. Schulte, Rossmoyne, and Andrew J. Graf, Norwood, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application November 7, 1938, Serial No. 239,294
11 Claims. (Cl. 51—33)



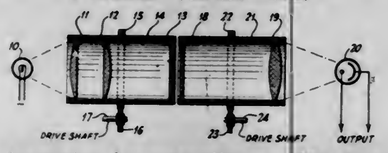
1. In a roll grinding machine having a power translatable work table and a pivoted grinding wheel support for moving a grinding wheel carried thereby toward and from the work table, the combination of means for tilting said support including a rotatable cam, a fixed stud, a sleeve having a portion eccentric with respect to the stud, for supporting the cam on the stud, a gear train driven by the table and including a final gear, concentric with the stud, means for adjustably interconnecting the sleeve with said gear for rotation thereby, means to connect the cam to the sleeve, said last-named means being removable to permit axial shifting of the cam member relative to the sleeve, and means operable by shifting of the cam member for disconnecting the driving connection between the final gear and said sleeve.

2,254,021
TURPENTINE HACK AND PULLER
William A. Sessoms, Bonifay, Fla.
Application October 14, 1940, Serial No. 361,161
7 Claims. (Cl. 30—121)



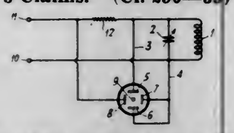
1. A turpentine knife curved in transverse section and having symmetrical side members, a symmetrically curved cutting edge, and inwardly extending edge portions at the lower end of the side members adapted to cooperate with corresponding grooves in a mounting member for holding the knife member in place thereon.

2,254,022
ELECTRICAL WAVE GENERATOR
James N. Whitaker, Weehawken, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 24, 1939, Serial No. 258,139
4 Claims. (Cl. 250—41.5)



1. Apparatus for generating varying electrical waves comprising a source of light of substantially constant intensity, photoelectric means, a plurality of light polarizing means positioned adjacent each to the other adapted to change the polarization of light passing therethrough in accordance with the continuous rotation of said polarizing means, and means for rotating at least one of said polarizing means.

2,254,023
FREQUENCY INDICATING INSTRUMENT
George Maurice Wright, Woodham Ferrers, and Cyril Austin, Stockwell, London, England, assignors to Radio Corporation of America, a corporation of Delaware
Application December 13, 1938, Serial No. 245,454
In Great Britain January 1, 1938
3 Claims. (Cl. 250—39)



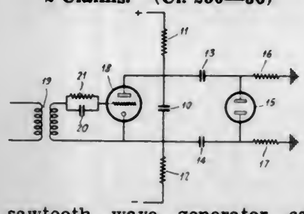
1. A wave meter comprising a parallel tuned circuit, an oscillograph capable of deflection in two angularly related directions, a connection including an impedance between one terminal of said tuned circuit and one input terminal of the wave meter, a connection between the other terminal of said tuned circuit and the other terminal of the wave meter, means for applying voltage set up across the tuned circuit to the means for producing deflection in one direction in said oscillograph and means for applying the voltage at the input terminals to the means for producing deflection in the other direction in said oscillograph.

2,254,024
FLEXIBLE-BLADED FAN
Louis Zaiger, Lynn, Mass.
Application August 5, 1938, Serial No. 223,241
9 Claims. (Cl. 170—173)



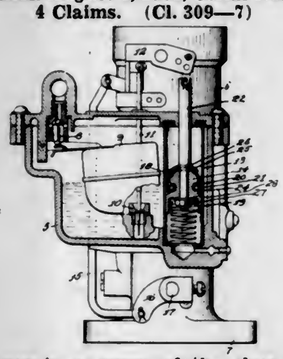
1. A flexible-bladed fan having a hub portion, a plurality of separate blades of rubber projecting from the hub portion and each blade having its inner edge engaging the exterior of the hub, said inner edge of each blade being concave transversely, and means to secure each blade to the hub with the edges of the concavity pressed against the hub and deflected laterally, such deflected edges forming a tight joint between the blade and the hub.

2,254,025
SAW-TOOTH WAVE GENERATOR
Robert Andrieu, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 27, 1937, Serial No. 128,090
In Germany February 28, 1936
2 Claims. (Cl. 250—36)



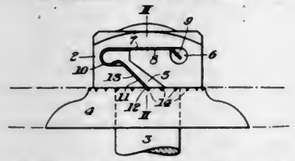
1. A sawtooth wave generator comprising means for storing electrical energy, a source of energy for supplying said stored energy, a first resistive member electrically connected between one of the poles of said source of energy and one terminal of said energy storage means, a second resistive member electrically connected between the other of the poles of said source of energy and the other terminal of said storage means, a thermionic tube having an anode, cathode and at least one control electrode, means for maintaining said tube normally impervious to current flow during the charging of said electrical energy storage means, said electrical storage element being connected in shunt to the spaced discharge path between the anode and cathode of said thermionic tube, and a time constant circuit connected in the cathode-control electrode circuit of said thermionic tube, said time constant circuit comprising the means for maintaining said tube normally impervious to current flow during the charging of said electrical energy storage means.

2,254,026
PISTON
Russell G. Berry, Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application August 4, 1938, Serial No. 222,979
4 Claims. (Cl. 309—7)



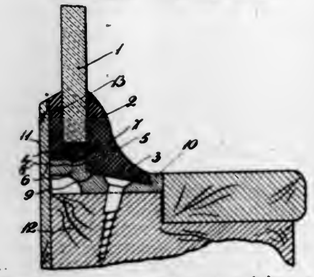
4. For use in a pump of the class described having a pump cylinder, a piston formed of a single piece of material having a substantial portion of its length extending from its head end of cylindrical form and adapted to slidably fit the pump cylinder, and having its opposite end of hemispherical form and of substantially smaller diameter than said cylindrical portion and having an annular recess intermediate said cylindrical portion and said hemispherical end, and a cup-shaped resilient packing member having a hemispherical closed end adapted to fit over the hemispherical end of said piston and having a skirt long enough to extend beyond said annular recess.

2,254,027
NUT LOCK
Wilbert Bonnell, Elizabeth, Pa.
Application December 15, 1939, Serial No. 309,345
3 Claims. (Cl. 151—40)



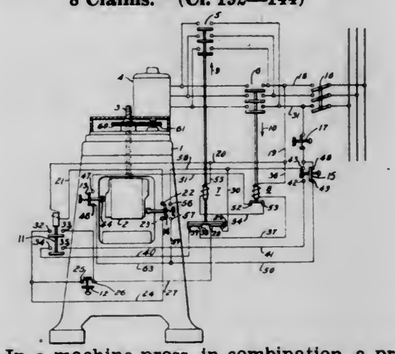
1. A locking nut as described provided on its side face with a holding slot and an inclined clearance opening and a resilient uniform thickness leaf spring tightly mounted in the slot and having a middle reversed looped portion and an outwardly pressing free portion provided with a holding terminal normally extending beyond the inner face of the nut said nut having a clearance opening beyond the slot for reception of the other end of the spring.

2,254,028
MEANS FOR GLAZING WINDOWS
Arthur Sam Cheston, Birmingham, England, assignor of one-half to Herbert Linwood Sleigh, Birmingham, England
Application October 6, 1938, Serial No. 233,526
In Great Britain June 3, 1938
1 Claim. (Cl. 20—56.4)



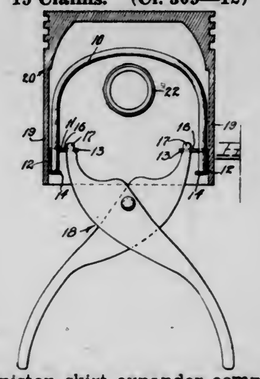
Window glazing means, comprising a laterally one-piece compressible strip having a channeled body portion, adapted to receive an edge of a window panel, and a laterally and diagonally downwardly extending flexible flap, said strip having an abrupt shoulder upon its under side substantially beneath the forward wall of said panel-receiving channel and facing away from said flap, in combination with a frame having a recess to receive and laterally compress said strip, said recess being defined laterally between an upstanding wall and an undercut lip, and also provided with a shoulder complementary to said strip shoulder, the lowermost part of said recess being adjacent to said lip and below the level of the base of said recess shoulder.

2,254,029
SPINDLE PRESS DRIVE
Wilhelm Chladek, Berlin-Pankow, and Josef Galler, Berlin-Spandau, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 16, 1938, Serial No. 240,723
In Germany February 5, 1938
8 Claims. (Cl. 192—144)



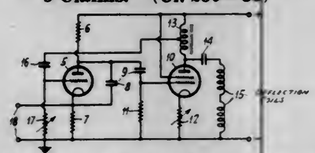
1. In a machine press, in combination, a press stamp, a reversible motor and an electric power source therefor, means exclusive of clutch means providing a permanent driving connection between said motor and said press stamp, circuit means including a "start" switch which, upon pressing thereof, completes a starting circuit, starts said motor, thus effecting downward movement of said press, a second circuit means including a second switch which is actuated by said press stamp and which automatically reverses said motor after said press stamp has moved downwardly a predetermined amount and a third circuit means including still another switch which is actuated by said press stamp after the latter has completed its upward movement, which last mentioned switch interrupts said power source and stops said motor.

2,254,030
PISTON SKIRT EXPANDER
Albert P. Fall, Toledo, Ohio
Application August 3, 1940, Serial No. 350,228
15 Claims. (Cl. 309—12)



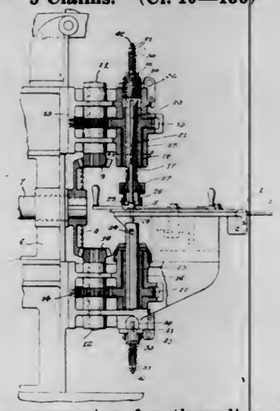
1. In a piston skirt expander comprising a U-shaped piece of spring rod, sheet metal pressure pads secured at the ends of said rod, the outer surface of each of said pressure pads being curved in concentric relation to and for seating against the inside of said piston skirt.

2,254,031
RELAXATION OSCILLATION GENERATOR
Charles Leslie Faudell, Stoke Poges, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application November 1, 1938, Serial No. 238,181
In Great Britain November 3, 1937
5 Claims. (Cl. 250—36)



3. A sawtooth wave generator comprising a condenser, a first thermionic vacuum tube having anode, cathode and at least one control electrode, said condenser being shunted across the anode-cathode space discharge path thereof, a point of fixed reference potential, an impedance member connected between said cathode and said point of fixed reference potential, a second thermionic tube having anode-cathode and at least one control electrode, means for applying the voltage across said condenser and impedance to the control electrode-cathode circuit of second thermionic tube, whereby variations in potential of said condenser are impressed on to the control electrode-cathode circuit of second thermionic tube, and means for feeding back a portion of the energy developed in the output circuit of said second thermionic tube to the control electrode of said first thermionic tube.

2,254,032
THREADING APPARATUS
John L. Fisher, Trenton, Mich., assignor to Detroit Brass & Malleable Works, Detroit, Mich., a corporation of Michigan
Application February 29, 1940, Serial No. 321,437
5 Claims. (Cl. 10—135)



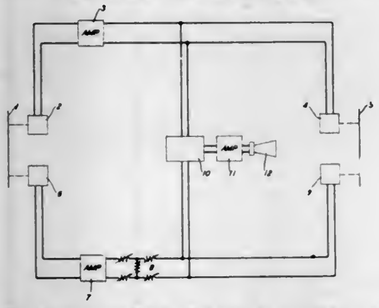
1. In an apparatus for threading workpieces which are subject to such hardness as to unduly resist the threading operation, the combination with a rotatable spindle for carrying a threading tool, a leader screw on the spindle and a leader nut cooperating with the leader screw and mounted for shift axially of the spindle, of a releasable holding element in engagement with the leader nut for holding the nut against axial movement whereby to advance the spindle to the work as it rotates, means movably mounting the holding element and a yielding means against which the holding element reacts, said leader nut being unrestrained by said holding element when the latter is released.

2,254,033
METHOD OF MAKING PHOTOGRAPHIC SCREEN STENCILS
John Russell Fitzgerald, Columbus, Ohio, assignor to Alfred S. Daneman, Dayton, Ohio
Application July 29, 1940, Serial No. 348,225
9 Claims. (Cl. 41—38.5)



1. The method of preparing screen stencils which consists in the steps of coating a laminated, separable stencil sheet comprising a backing sheet and a film layer carried thereby, with a photosensitive masking material comprising an organic colloid having impregnated therein a chromic salt, exposing the masking material to light while portions thereof, corresponding to a design to be reproduced, are shielded from the light, washing out the shielded portions, removing the now exposed portions of the film layer with a solvent therefor, removing the remaining masking material, and then adhering the remaining film layer to the screen.

2,254,034
SOUND RERECORDING SYSTEM
Harvey Fletcher, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1940, Serial No. 328,071
3 Claims. (Cl. 179—100.1)

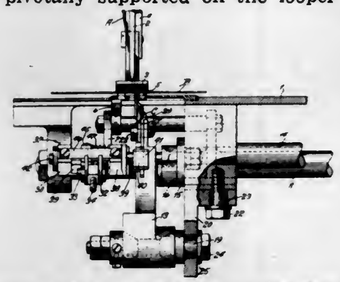


1. In a rerecording system, a record medium having a record of electrical waves compressed as to volume range and a control record of the degree of compression applied to the waves during recording, means for reproducing and rerecording said record of electrical waves, means energized by said reproduced wave for audibly reproducing said electrical waves, means for reproducing and rerecording said control record and for controlling said audible reproduction and a manually variable attenuator in the channel for rerecording said control record.

2,254,035
TUFTING MACHINE
Joseph Garfield and Hyman L. Simon, Chicago, Ill.
Application May 3, 1939, Serial No. 271,431
9 Claims. (Cl. 112—79)

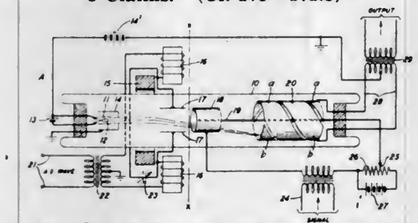
9. In a tufting machine having a work support, a reciprocating needle to carry yarn through the work and produce loops, and driving mechanism, the improvement comprising a looper

frame pivotally supported for oscillatory movement below the work support, a hook rigidly secured to said frame constructed and arranged to cooperate with the needle to form loops and having an edge at one face thereof formed as a ledger blade, a cutter assembly comprising a frame pivotally supported on the looper frame



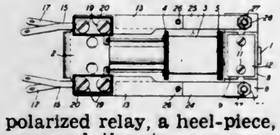
and having a cage, a shaft mounted for lateral movement in the cage and supporting a blade adapted to cooperate with the ledger blade on the hook, means for preventing rotation of the shaft in the cage, and a spring associated with the shaft and the cage for maintaining tension of the blade against the hook.

2,254,036
PHASE CONTROL
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 18, 1939, Serial No. 305,088
5 Claims. (Cl. 179—171.5)



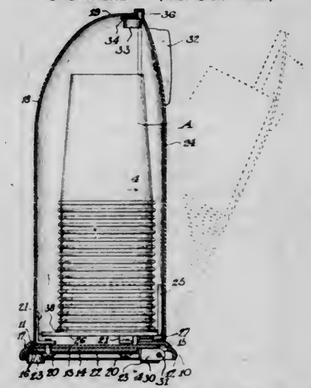
1. A phase controlling system comprising an electron beam tube, means to rotate the beam under control of an alternating current wave whose phase is to be controlled, a target on which said beam impinges, said target comprising a cylindrical surface divided along a helical line into two electrically separated parts whereby said beam traverses both parts in one complete rotation, and means for varying the position, along the cylinder, of the beam path.

2,254,037
POLARIZED RELAY
Henry C. Harrison, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1940, Serial No. 344,903
7 Claims. (Cl. 200—93)



1. In a polarized relay, a heel-piece, a core secured at one end thereto, a cross-member of magnetic material secured to the other end of said core, a permanent magnet having its polar ends in engagement with the ends of said member, an energizing coil on said core, two armatures positioned respectively on each side of said coil and pivoted to said heel-piece with their outer ends positioned above the ends of said member and a set of contact springs operatively associated with each of said armatures, whereby one or the other of said sets of springs will be operated dependent upon the polarity of the current applied to said coil.

2,254,038
CUP DISPENSING CABINET
Samuel N. Hope, Wauwatosa, Wis., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application July 29, 1940, Serial No. 348,180
5 Claims. (Cl. 312—43)

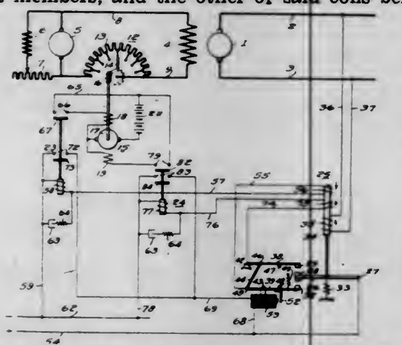


1. In a dispensing cabinet, a base adapted to be rested on a support, a pair of complementary upright casing members on said base adapted to form a receptacle for enclosing therein a stack of nested inverted cups to be dispensed from above, one of said casing members being pivotally mounted about a transverse axis at the lower portion for outward swinging movement to permit access to said stack, and means carried by said pivotally mounted casing member for supporting said stack of cups from below, said means having a cup-retaining part adapted to extend into the lowermost inverted cup.

2,254,039
VOLTAGE REGULATOR RELAY SYSTEM
Joseph F. Kovalsky, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1938, Serial No. 184,839
5 Claims. (Cl. 175—320)

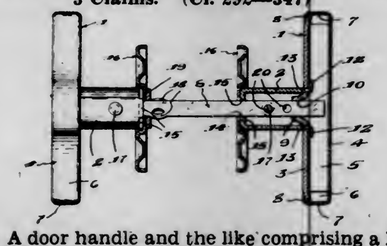
1. In a regulator system wherein an electric motor and means actuated thereby are employed for varying a quantity to be regulated, in combination, a pair of electrically operated reversing switches actuated to their circuit closing positions when energized, a primary relay having an operating coil and floating contact means actuated thereby adapted to engage the one or the other of two cooperating contact members for controlling circuits for energizing the one or the other of said reversing switches, means energized in response to engagement of said cooperating primary relay contact members with light pressure for causing a sufficient increase in contact pressure to assure operation of the associated reversing switch, said means comprising a pair of coils, one of said coils being effective to oppose the operating coil when the floating con-

tact means engages one of said cooperating contact members, and the other of said coils being



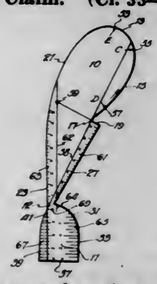
effective to aid the operating coil when the floating contact means engages the other of said cooperating contact members.

2,254,040
DOOR HANDLE
John C. Kuckhoff, Syracuse, N. Y.
Application November 7, 1940, Serial No. 364,697
3 Claims. (Cl. 292—347)



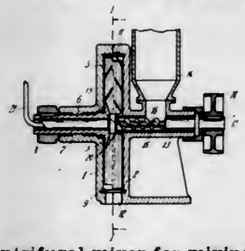
1. A door handle and the like comprising a hollow sheet metal handle grip provided with an outwardly projecting nipple on the inner side thereof, the nipple being formed with a non-circular passage, and a sheet metal tubular hub surrounding the nipple and secured to the handle grip on opposite sides of the nipple, the hub being formed at its end remote from the handle grip with a non-circular passage alined with the passage of the nipple, said non-circular passages receiving the non-circular shank of a door handle assembly.

2,254,041
DRESSMAKER'S GARMENT DRAFTING TOOL
Celia Lein, Jersey City, N. J., and Bertha Lein Kealoha, New York, N. Y.
Application September 12, 1939, Serial No. 294,438
1 Claim. (Cl. 33—11)



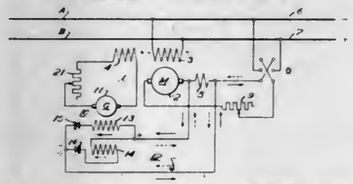
A tool of the type described comprising a relatively large body portion having two straight side edges connected by a curved end edge, and a relatively smaller body portion connected to said large body portion by a narrow neck, said relatively small body portion having a straight end edge, and straight side edges merging into curved portions which terminate at the neck portion.

2,254,042
MIXING DEVICE FOR DOUGH AND THE LIKE
Emil Lihotzky, Plattling, Germany
Application August 16, 1939, Serial No. 290,473
In Germany September 19, 1938
6 Claims. (Cl. 259—25)



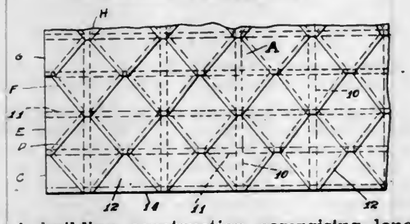
1. A centrifugal mixer for mixing dry powdery material with liquid material comprising a casing forming a substantially circular cavity, a rotatable body having a central passage communicating with the central portion of said cavity and a plurality of radiating scoop-like arms extending substantially radially in said cavity, means for rotating said body, the side edges and a portion of each end edge of said arms lying closely adjacent the respective inner walls of said casing, means for feeding one of said materials through said passage in one direction into the central portion of said cavity, means forming a feed passage in said casing for feeding the other of said materials into the central portion of said cavity from the opposite direction, and outlet means in said casing for discharging the mixture of said materials after it has passed from the center to the periphery of said chamber, the arms being alternately shorter at the right and left-hand sides thereof whereby to provide consecutively staggered gaps.

2,254,043
MOTOR CONTROL SYSTEM
Clarence Lynn, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 21, 1939, Serial No. 310,397
4 Claims. (Cl. 172—239)



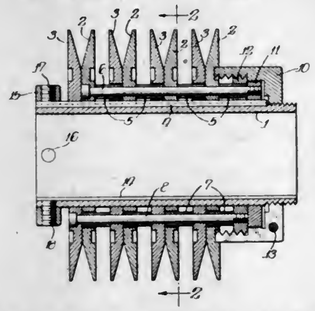
1. The combination of a reversible compound motor having an armature, a separately excited main field winding and a separately excited compounding field winding, an exciter means for supplying current to said compounding field winding, said exciter having a field circuit including means for obtaining energization thereof in proportion to the flow of current in the armature circuit of said motor, and rectifier means connected in circuit relation with said exciter field circuit for effecting a unidirectional current flow in said exciter field circuit to maintain a predetermined polarity of the output potential thereof irrespective of the direction of flow of current in the armature circuit of said motor.

2,254,044
BUILDING CONSTRUCTION
William O. Lytle, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application August 4, 1938, Serial No. 223,049
5 Claims. (Cl. 108—10)



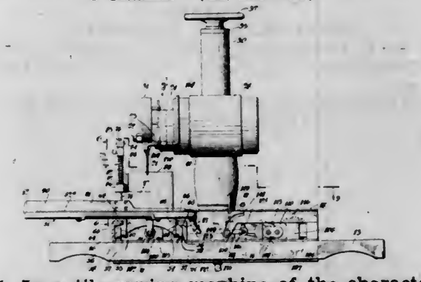
1. A building construction comprising longitudinal spaced bars and transverse spaced bars mounted thereupon, a covering secured directly upon the latter bars comprising light transmitting plates of tempered glass approximately of diamond shape, the plates being arranged in courses with one diagonal of each plate of each course approximately coinciding with a transverse bar, the plates being of such dimensions that the remaining corners rest upon the adjacent transverse bars, the upper edges of each plate being overlapped by the lower edges of the plates in the next succeeding course whereby to provide a roof in which the major portion of each plate is free of overlap and underlap by the adjacent plates.

2,254,045
ADJUSTABLE SHEAVE
Nels E. Nylin, Chicago, Ill., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana
Application April 22, 1940, Serial No. 330,908
13 Claims. (Cl. 74—230.17)



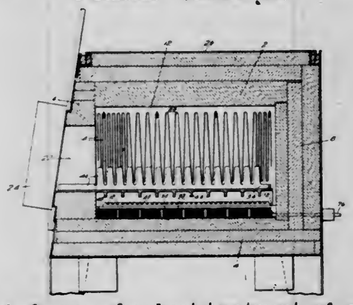
1. An adjustable grooved sheave having oppositely axially adjustable groove side walls, a rotatable adjuster having screw-threaded engagement with screw threads in fixed relation to the sheave hub or shaft, and a pair of axially movable members in screw-threaded engagement with said adjuster and operable thereby to move simultaneously in opposite directions, the screw threads between said adjuster and members being respectively of greater and less pitch than the first mentioned screw threads, all of said screw threads being right handed or left handed, said members being respectively connected with the respective oppositely axially adjustable side walls.

2,254,046
CUTTING MACHINE
William W. Pearson, Rahway, N. J.
Application June 15, 1938, Serial No. 213,749
5 Claims. (Cl. 125—13)



1. In a tile sawing machine of the character described, a pair of channels providing trackways having upper and lower bearing surfaces, and a carriage mounted for reciprocating movement along said trackways, said carriage comprising a work supporting top, legs depending therefrom, a pair of oppositely disposed front wheels mounted on said legs near the front end of said carriage, a pair of oppositely disposed rear wheels mounted on said legs near the rear end of said carriage, said wheels riding on said lower bearing surfaces, a pair of oppositely disposed upwardly extending slots in said legs intermediate said front and rear wheels, a shaft mounted in each of said slots, and a wheel mounted on each of said shafts providing a pair of oppositely disposed intermediate wheels, said shafts being vertically adjustable in said slots whereby said intermediate wheels may be positioned to ride on said upper bearing surfaces and prevent vertical play of said carriage when reciprocated.

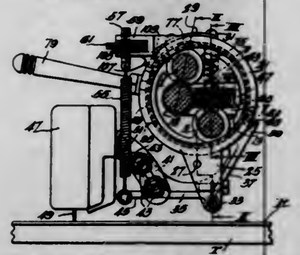
2,254,047
BUILT-IN GAS GENERATOR FOR INDUSTRIAL FURNACES
Willard Roth, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1939, Serial No. 280,678
9 Claims. (Cl. 13—20)



1. A furnace for heat-treatment of charges while enveloped by a protective gaseous atmosphere, said furnace comprising walls defining a heating chamber for heat-treating the charges,

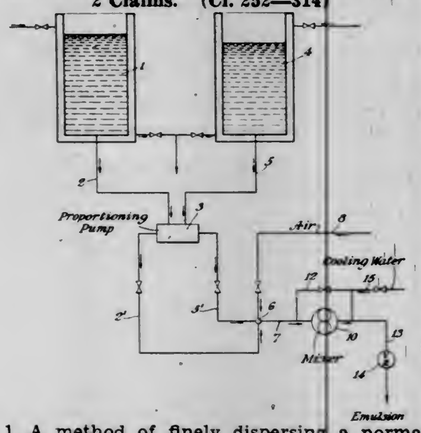
at least one of said walls being supplied with electric heating means for said chamber disposed along said one wall, said one wall comprised in part of a catalyst-filled flat metal-encased gas reaction generator having a substantially flat side extending in proximity to said heating means, and insulating brick also forming part of said one wall and covering the side of said generator opposite the said flat side.

2,254,048
PHONOGRAPHIC APPARATUS
Frank E. Runge, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1940, Serial No. 337,994
16 Claims. (Cl. 274—1)



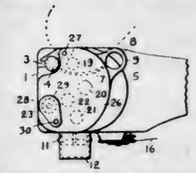
1. In phonographic apparatus, the combination of guide means, a supporting member slidably carried on said guide means, a mounting rotatable on said supporting member, and a sound translating device pivotally carried by said mounting, said sound translating device being pivotally movable on said mounting relative to said supporting member and being rotatable as a unit with said mounting on said supporting member.

2,254,049
METHOD FOR FORMING EMULSIONS
August Henry Schutte, Westfield, N. J.
Application March 18, 1939, Serial No. 262,646
2 Claims. (Cl. 252—314)



1. A method of finely dispersing a normally solid material in a liquid, which comprises reducing said material to a liquid form, adding a non-solvent liquid thereto, partially emulsifying the mixture, re-emulsifying the major portion of the partially emulsified mixture, and adding additional subcooled quantities of the non-solvent liquid to the partially emulsified portion on its path to re-emulsification to remove the heat of emulsification and to remove the latent heat of the normally solid material whereby it will be finely dispersed in the liquid.

2,254,050
SEWING MACHINE ATTACHMENT
Stephen Stadub, Brooklyn, N. Y.
Application June 26, 1940, Serial No. 342,450
3 Claims. (Cl. 112—261)

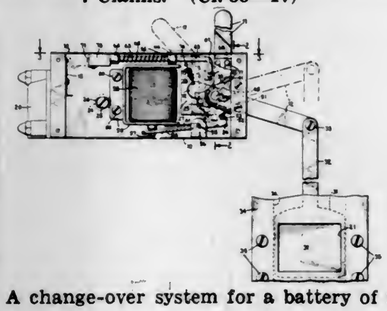


1. A safety device for a sewing machine having open oil holes at the top of its head, comprising a flat plate placed on top of the head and having oil holes, the plate having a slotted hole at the side and a narrow portion at the other side of the hole forming a resilient clamp engaging the button-like projection on the head, lugs depending from the plate down the side of the head for stabilizing the plate in its position and a lid for the oil holes pivotally supported on the plate.

2,254,051
CEANOTHUS AMERICANUS EXTRACT
Guy C. Taylor, Decatur, Ill., assignor to Flint, Eaton & Company, Decatur, Ill., a corporation of Illinois
No Drawing. Application November 15, 1937, Serial No. 174,665
6 Claims. (Cl. 260—236.5)

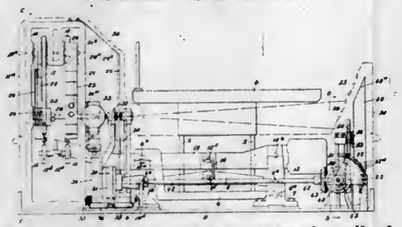
1. A composition of matter comprising yellowish crystals having a high melting point and being relatively insoluble in ethyl ether, chloroform, acetone, petroleum ether, and water, but soluble in hydrochloric acid, said crystals being obtainable by macerating the drug *Ceanothus americanus* with hydrochloric acid, extracting the macerated drug with ethyl ether, and then removing the ether from the extract and heating the residue to temperatures up to about 160° C. in such manner that the residue spatters and in so doing deposits said yellowish crystals on the walls of the container.

2,254,052
CHANGE-OVER AND SHUTTER CONTROL FOR MOVING PICTURE PROJECTORS
Charles S. Thide, East Northport, N. Y.
Application March 1, 1939, Serial No. 259,125
7 Claims. (Cl. 88—17)



7. A change-over system for a battery of motion picture projectors, comprising a shutter for each projector, a movable support for each shutter operable to move the shutter into and out of its light intercepting position, a latching device for each shutter for holding its shutter support against movement when the shutter is in either its light intercepting or its non-intercepting position, a manually operable device for each shutter, means controlled by the manually operable devices and rendered effective by operation of any one of said devices for releasing all of the aforesaid latches, and springs released by the releasing of the latches and connected to move the shutter supports.

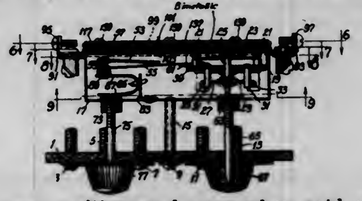
2,254,053
INDICATING MECHANISM
William Timson, Birmingham, England, assignor to W. & T. Avery Limited, Birmingham, England
Application November 21, 1938, Serial No. 241,582
In Great Britain December 4, 1937
2 Claims. (Cl. 88—24)



1. In an apparatus of the class described, in combination, weighing mechanism, a chart movable by said weighing mechanism, having a consecutive series of weight indicia and a plurality of consecutive series of computation indicia, said indicia being so arranged that the movement of said chart by the weighing mechanism brings the indicium denoting the weight to a given fixed point and brings all of the computation indicia corresponding to said weight to a given fixed line, a stationary light source and lens system in registry with said fixed point, for projecting a magnified image of the weight indicium appearing at said point, a traversable light source and lens system movable selectively into registry with each computation indicium corresponding to said weight indicium, for projecting a magnified image of said computation indicium adjacent to the first image, and a screen in alignment with said lens systems for receiving said magnified images in juxtaposition.

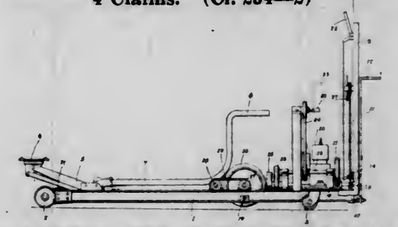
2,254,054
CONTROL MEANS
Victor G. Vaughan and John D. Bolesky, Attleboro, Mass., assignors to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application January 26, 1937, Serial No. 122,372
16 Claims. (Cl. 200—122)

1. A control comprising a first thermostat and a second thermostat, both said thermostats having a pair of operating positions assumed in response to change in temperature, heating means positioned near said thermostats in such manner as to influence their temperature, said first thermostat having associated therewith a pair of electrical switches, both of which are closed when said thermostat is in one of its positions and open when said first thermostat is in its other position, one of said switches being included in an internal circuit also including said heater, while the other of said switches controls an external circuit, said second thermostat likewise being provided with electrical switching means arranged to be closed when said second thermostat



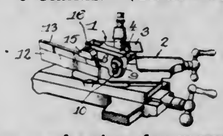
is in one position, and open when said second thermostat is in the other position, the switching means of said second thermostat being connected in said internal circuit and to said heating means in such manner that it controls the rate of heating of said heating means.

2,254,055
VEHICLE TRANSPORTING DEVICE
Edward Wolf, Stockton, Calif.
Application January 13, 1940, Serial No. 313,741
4 Claims. (Cl. 254—2)



1. A motor vehicle transporting device comprising a low hung, elongated frame having ground engaging rollers supporting the same, a vehicle engaging jack mounted on the frame adjacent one end thereof, the frame and jack, when the latter is lowered, being capable of moving in clearance relation beneath a motor vehicle standing on the ground and to a point with the jack below the vehicle axle, a prime mover mounted on the frame in position to clear the vehicle when the jack is in said position beneath the vehicle axle, a drive assembly for the jack, a separate drive assembly for one of the rollers, and manually actuated means arranged to effect connection of said prime mover in driving relation with said separate drive assemblies selectively and only one at a time.

2,254,056
CUTOFF TOOL AND HOLDER
David S. Anthony, San Antonio, Tex.
Application March 9, 1940, Serial No. 323,053
9 Claims. (Cl. 29—96)



1. Holding mechanism for mounting a cut-off tool on the conventional tool post of a lathe or the like, comprising a mounting having a supporting shank adapted to be secured to the tool post, a recess provided at the upper edge and adjacent one end of said mounting, and a tool

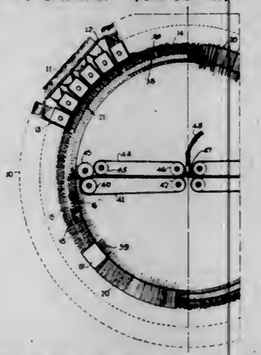
holder having a trunnion adjacent its one end adapted to be received in said recess for pivotally supporting the tool holder, an arcuate slot provided in the other end of said tool holder, and an adjusting bolt in said slot and anchored in the mounting, said bolt being adapted to frictionally secure the blade holder in a predetermined operative position and the length of said arcuate slot being such as to permit the tool and holder to move away from engagement with the work should the tool be subjected to excessive strain.

2,254,057
TELEVISION RECEIVING APPARATUS
Hans Arni, Berlin-Charlottenburg, and Hans Neugebauer, Leipzig, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application February 12, 1938, Serial No. 190,210
In Germany February 12, 1937
4 Claims. (Cl. 178—7.3)



1. An optical image reproducing system comprising means for linearly reproducing an optical image on a plane screen member, a series of plane strip members of elemental width positioned immediately adjacent said screen member and mounted substantially at right angles thereto, the plane faces of said latter members forming a reflecting surface, and a second screen positioned at the ends of said reflecting members remote from the first screen member.

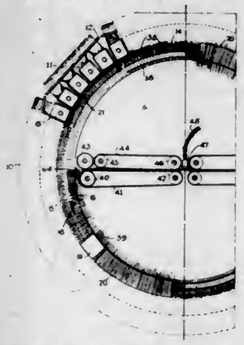
2,254,058
PREPARATION OF STAPLE FIBERS FOR SPINNING
Whitworth Fontaine Bird, Wallingford, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application March 25, 1939, Serial No. 264,170
17 Claims. (Cl. 57—2)



7. An apparatus for the production of staple fibers in rope-like form comprising means for feeding continuous filaments, means for reducing the end portions of the continuous filaments to staple fibers, a drawing off device having a nip, retaining means in which the staple fibers lie substantially side by side with protruding ends and approach the nip of the drawing off means substantially laterally; and means for relatively moving the retaining means past the nip of the drawing off device, whereby the staple fibers will be engaged by the nip and all of the fibers will be drawn from their retaining means substantially progressively.

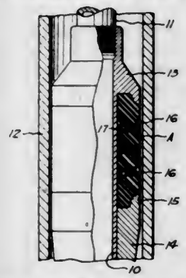
9. In the combination set forth in claim 7, further characterized in the provision of a twisting device for the drawn off fibers.

2,254,059
PREPARATION OF STAPLE FIBERS
Whitworth Fontaine Bird, Wallingford, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 15, 1941, Serial No. 393,560
9 Claims. (Cl. 19—1)



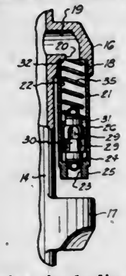
1. An apparatus for the production of staple fibers in continuous form, comprising means for feeding continuous filaments, crimping means, cutting means for reducing the end portions of the continuous filaments to staple fibers, a drawing off device, and retaining means comprising a plurality of pins, said retaining means and drawing off device being relatively transversely movable during operation, whereby the staple fibers will be drawn from their retaining means substantially progressively.

2,254,060
PACKING ELEMENT
Charles S. Crickmer, Dallas, Tex., assignor to Merla Tool Company, Dallas, Tex., a firm of Texas
Application April 20, 1939, Serial No. 268,923
5 Claims. (Cl. 166—10)



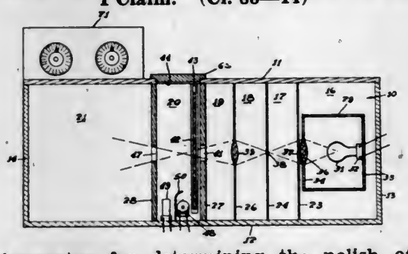
1. A packing element for an oil well packer including, a cylindrical elastic body, and a plurality of annular reinforcing members embedded in the body and spaced longitudinally thereof, each reinforcing member being formed of a plurality of flexible rings disposed in a transverse plane.

2,254,061
ADJUSTABLE KICKOFF VALVE
Charles S. Crickmer, Dallas, Tex., assignor to Merla Tool Corporation, Dallas, Tex., a corporation of Texas
Application October 30, 1939, Serial No. 301,974
4 Claims. (Cl. 103—233)



1. A flow device including, a well tubing, a tubular body adapted to be connected in the tubing and having a passage for establishing communication between the interior and exterior of said tubing, and means having adjustable passages therein for controlling the admittance of a predetermined volume of lifting fluid to the tubing by controlling the flow through the passage.

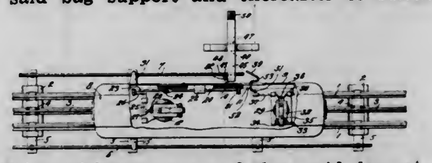
2,254,062
POLISH METER
Manson L. Devol, Penn Township, Allegheny County, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 31, 1938, Serial No. 199,305
1 Claim. (Cl. 88—14)



Apparatus for determining the polish of a glass plate, said apparatus comprising a chamber, the interior surface of which is blackened to absorb light, means in the chamber to hold the plate to be tested, means to project a beam of light against a surface of the plate, means on the opposite side of the plate for entrapping the undiffused component of the beam of light passing through the plate and additional means disposed on the opposite side of the plate from the source of light and out of the line of the beam of light photometrically to determine the intensity of light diffused from the rear of said plate.

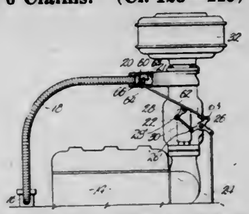
2,254,063
ELECTRIC TRAIN
Frederick Alexander Drake, Brooklyn, N. Y.
Application April 22, 1939, Serial No. 269,320
4 Claims. (Cl. 258—6)

2. In an electric train system and in combination a car, a door in said car, door-operating means within said car for opening and closing said door, a track, a bag support adjacent said track, bag pickup means within said car, bag pickup operating means within said car for extending said pickup means through said door to receive a bag held upon said support and for retracting said pickup means to discharge a bag received thereon into said car, and control means upon said track for energizing said door operating means and said bag pickup operating means to open said door and extend said bag pickup means therethrough at a point in advance of said bag support and thereafter to retract



said bag pickup means and close said door at a point behind said bag support, the said door operating and pickup operating means comprising electromagnetic means including circuits for energizing the same terminating in shoes upon said car and said track including a conducting rail positioned for contact with the shoe in circuit with said door operating means and extending from a point in advance of said bag support to a point behind said bag support and a second conducting rail positioned for contact with the other of said shoes and extending between points in advance of and behind said bag support and closer thereto than the ends of the first said conducting rail.

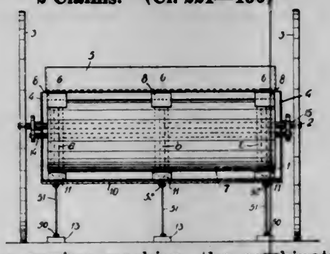
2,254,064
HEAD FOR ENGINE BREATHER SYSTEMS
Adolph C. Dressler, Miami, Okla., assignor to Dieselair Corporation, Miami, Okla., a corporation of Delaware
Application December 4, 1939, Serial No. 307,445
6 Claims. (Cl. 123—119)



5. The combination with an internal combustion engine having a carburetor provided with an air intake, of means for drawing evolved vapors from within the crank case to said air intake comprising a hollow head provided with an air intake port and an outlet port in alignment, the latter being in communication with said carburetor intake, and a vapor intake opening; a conduit joining the crank case of the engine and said vapor intake opening; a valve in the head for controlling the passage of air thereinto through said intake port; a second valve at the vapor intake opening; and means for opening and closing said first mentioned valve as the supply of fuel to the carburetor is increased and decreased respectively, said second valve being adapted to approach the closed position as the first mentioned valve approaches the open position, said conduit and head having a by-pass tube joining the same and extending around the

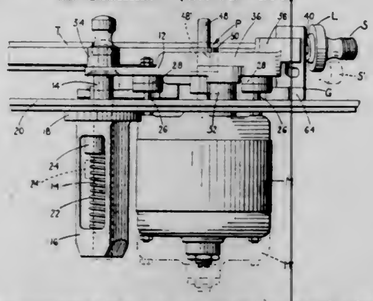
said second valve whereby to allow a relatively small quantity of vapor to enter the head when said second valve is closed.

2,254,065
SOWING MACHINE
Anton Georg Ewerth, Stocksund, Sweden, assignor to Erik Vilhelm Walter Hallwyl Von Geijer, Stockholm, Sweden
Application November 19, 1938, Serial No. 241,304
In Sweden September 9, 1938
2 Claims. (Cl. 221—136)



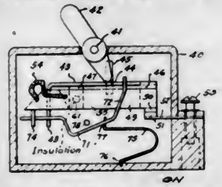
1. In a sowing machine, the combination of a supply container for corn or seed, a rotatable drum having one or more rows of indentations for feeding the corn or seed, for each row a feed compartment to guide the corn or seed from said supply to said drum, a lateral chamber in said compartment and a guide surface forming an outer or upper side of said chamber and spaced from the periphery of the drum, whereby oblong grains of corn or seed having a length greater than the distance between the guide surface and the periphery of the drum will be impelled to take lying position on the surface of the drum.

2,254,066
TWO-SPEED DRIVE FOR TURNTABLES
Morris M. Gruber, New York, N. Y., and George J. Saliba, Englewood, N. J., assignors to Presto Recording Corporation, New York, N. Y., a corporation of New York
Application August 31, 1939, Serial No. 292,788
22 Claims. (Cl. 74—190)



1. In combination, a recorder or/and phonograph turntable for disc records, means mounting the same for rotation on a vertical axis, a single rubber or like frictional rim fitted directly around the outside of the periphery of said turntable, a single speed driving motor arranged with its axis upright at one side of the turntable for driving said turntable at either of two standard record speeds, a very small-diameter accurately-finished two-step metal pulley on said motor adapted to frictionally engage the single rubber rim of the turntable, and means affording both vertical and horizontal movement of the pulley in order to bring either the smaller or the larger step into position for bearing against said single rubber rim for turntable directly without the use of intermediate or idler wheels, said pulley steps being subtsantially different in diameter and so selected as to provide the desired two record speeds.

2,254,067
CIRCUIT BREAKER
William H. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Original application February 28, 1938, Serial No. 192,997. Divided and this application April 6, 1940, Serial No. 328,387
19 Claims. (Cl. 200—116)



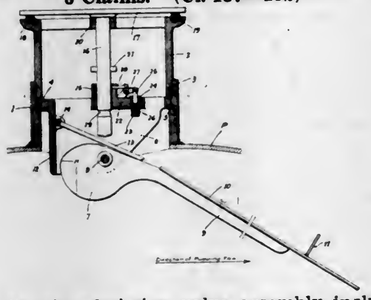
5. In a circuit breaker, a contact bar and a supplementary bar, a stationary contact, the contact bar being pivotally connected to the supplementary bar near one end of the contact bar, a circuit responsive latch latching the contact bar and the supplementary bar at the other end of the contact bar, said latch when unreleased causing the contact bar and supplementary bar to move together without relative movement and when released permitting the contact bar and supplementary bar to move relatively, the latch being supported on and by the contact bar, and a spring engaging the supplementary bar between the points where the contact bar is connected to the supplementary bar, and, when the parts are in one position, causing the contact bar to move against the stationary contact and towards latch held position with respect to the supplementary bar, and being operative to cause relative movement of the contact bar, the stationary contact, and the supplementary bar in the event of latch release, whereafter the latch relatches the contact bar and supplementary bar relatively, and a second contact bar, insulatedly mounted on the first named contact bar, and connected to the latch by a flexible wire.

2,254,068
CONTINUOUS OUTLET SYSTEM
William H. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application August 23, 1940, Serial No. 353,793
5 Claims. (Cl. 191—23)



1. A slotted duct containing bus bars and having a solid wall and a slotted wall connected at their edges by portions formed around the bus bars, the duct having transverse slits extending around the solid wall and the edges and partially around the slotted wall, terminating short of the slot.

2,254,069
SIPHON BREAKING VALVE
Frank T. Harris, Lodi, Calif.
Application May 17, 1938, Serial No. 208,426
6 Claims. (Cl. 137—152)

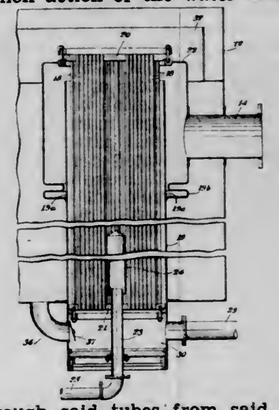


1. An air admission valve assembly including a casing open at one end to atmosphere, a self-closing valve mounted in connection with and normally closing the casing to atmosphere, a movable member supported and projecting from the casing, said member being adapted to be moved in one direction from a predetermined initial position, means cooperatively engaged between the member and valve and arranged to enable the latter to close when the member is moved in said one direction and to open the valve when the member returns to said initial position, and normally inactive releasable catch means to engage and prevent reclosing of the valve when opened; said means being operative, upon return of the member to said initial position, to place the catch means in functioning condition.

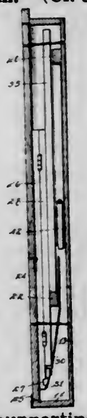
5. An air admission valve assembly comprising a vertical open ended casing, a normally closed valve plate for the upper end of the casing, a stem depending from the plate centrally thereof, a guide sleeve surrounding a portion of the stem, a cam below the stem, means in the casing pivotally supporting the cam for rotative movement in a vertical plane, and means between the cam and stem to raise said stem upon rotation of the cam in one direction; said means comprising a finger pivoted at a point laterally offset from the stem for vertical swinging movement, the finger projecting from its pivot and engaging the lower end of the stem, and the cam engaging the finger from beneath intermediate said pivot and stem.

2,254,070
HEAT EXCHANGER
George T. Jacocks, Larchmont, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application July 22, 1938, Serial No. 220,620
3 Claims. (Cl. 257—28)

2. A submerged condenser for hydrocarbon vapors which comprises a reservoir, a plurality of individual vertical shell and tube heat exchange units mounted in said reservoir, means to introduce cooling water under pressure to the lower end of the tubes of said units, the upper end of said tubes being open whereby the water, after passing through said tubes, will fill said reservoir, weir means attached to the reservoir to maintain the normal level of water in said reservoir above the top of said tubes, a common vapor manifold interconnected to the upper portion of the shell side of said units for introduction of the hydrocarbon vapors in countercurrent, indirect heat exchange relation with the cooling water, means to remove the condensate from the shells, return flow conduits between said reservoir and the lower ends of said tubes, and normally closed valves in said return flow conduits, said valves automatically opening under thermo-syphon action of the water flowing upwardly through said tubes from said reservoir when the supply of pressure water to the tubes is cut off, said condenser having a heat transfer rate, that of a shell and tube unit with the water in the tubes, and a safety factor of an available water supply, that of a typical submerged condenser with the vapors in the tubes.



2,254,071
CABINET FOR IRONING BOARDS AND BREAKFAST TABLES
Willard N. James, Des Moines, Iowa
Application February 20, 1939, Serial No. 257,271
1 Claim. (Cl. 311—18)

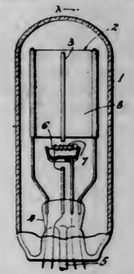


A cabinet for supporting an ironing board, having ends, sides and a back, doors for closing the front side of said cabinet, a cross bar fixed to and between said sides spaced from said back and between its upper and lower ends, one corner of said back having an opening, a detachable panel for closing said opening, said panel being offset relative to the back to form inner and outer recesses with the lower end of said outer recess terminating above said cross bar to provide a passage between the cross bar and said back communicating with the lower end of said outer recess, substantially as described and for the purpose stated.

2,254,072
PRINTING PROCESS
John D. Jenkins, Wilkinsburg, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application October 5, 1939, Serial No. 298,054
9 Claims. (Cl. 101—426)

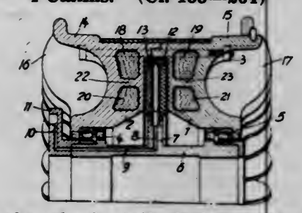
1. A process of printing with an ink comprising a coloring material, a binder and a solvent for the binder, the steps of adding to the ink a powdered plastic material which is insoluble in the ink solvent at press room temperatures and which becomes at least partially soluble in the ink solvent at elevated temperatures, in an amount insufficient to make the ink too viscous to apply by a conventional printing operation, making an imprint with the ink on a suitable surface, heating the whole surface to a temperature sufficient to absorb at least a part of the solvent in the powder to incorporate therein a part of the ink solvent to materially assist the formation of a non-smudging imprint on the surface upon cooling of the ink with the part of the solvent united at least temporarily with the plastic material.

2,254,073
PHOTOELECTRICALLY SENSITIVE SURFACE
Leonard Klatzow, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application March 7, 1939, Serial No. 260,416
In Great Britain March 7, 1938
7 Claims. (Cl. 250—165)



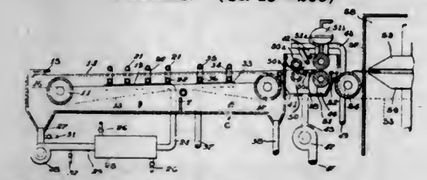
1. A photo-electric tube comprising an evacuated envelope, an anode within said envelope, a transparent light sensitive cathode, said cathode including a layer of chemically compounded antimony and palladium and a coating including caesium on said layer.

2,254,074
BRAKE WHEEL, PARTICULARLY FOR AIRCRAFT
Hermann Klaue, Berlin-Frohnau, Germany, assignor to Argus Motoren Gesellschaft m. b. H.
Application November 13, 1939, Serial No. 304,010
In Germany August 1, 1939
4 Claims. (Cl. 188—264)



1. A brake wheel particularly adapted for use upon aircraft, including a metal wheel body proper having brake means positively rotating with said wheel body, comprising a metal wall of moderate thickness integral with the latter and constituting a braking surface portion disposed in a position adapting the same to be frictionally engaged by a brake, a massive metal wall connected upon the inner side thereof to the first metal wall and enclosing at least one self-contained, closed chamber between the two walls for containing a heat absorbing fluid, and a plurality of metal fins upon the exterior side of said massive wall and exteriorly of said closed chamber, said first wall, chamber, massive wall and fins forming a heat transfer series from the vicinity of the brake through the first wall, then through the fluid in the closed chamber, thence gradually into the massive wall and the structure of the wheel generally, thereafter into the fins and finally from said fins into the atmosphere.

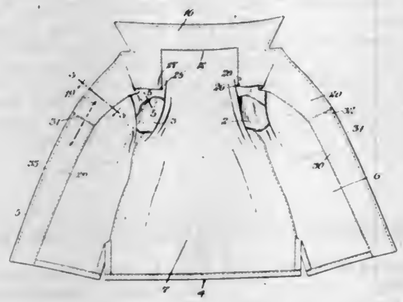
2,254,075
PROCESS OF AND APPARATUS FOR WASHING SHEET MATERIAL
Paul C. Lawson, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 12, 1938, Serial No. 240,113
7 Claims. (Cl. 15—269)



3. Apparatus for washing plastic sheets comprising a conveyor belt, fixed parallel wires disposed adjacent the surface of the belt upon which the sheets of plastic are disposed with the portions thereof between the wires in contact with the belt, said wires extending beyond the belt in the direction of delivery and being attached at their extremities to a bar, a spray pipe disposed to direct jets of water between the upper surface of the bar and the adjacent surface of a plastic sheet to float the sheets across the bar, and a pair of squeegee rollers disposed at the delivery side of the bar in position to receive the sheets and to wipe water therefrom.

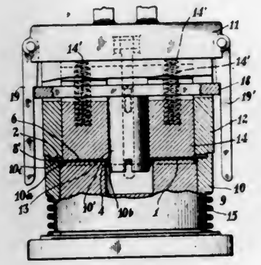
2,254,076
SPORT SHIRT
Murray Lesser, Brooklyn, N. Y.
Application September 22, 1939, Serial No. 296,015
1 Claim. (Cl. 2—116)

A sport shirt including a back formed with a central top edge and a pair of straight shoulder edges extending from the top edge to the sides of the back, a pair of front sections having straight front edges, said front sections being connected along one of their respective edges with the side edges of said back, said back and front sections being formed with arm openings, and a collar connected to said back and front sections at the top thereof, said collar having a projection at each end, said projections extending along the inner edges to the front sections to form reinforcing panels acting as interior supports for the front sections when the shirt is in use, one edge of the respective projections being stitched to the front sections along their respective edges and one end of the respective projections extending along said shoulder edges and tacking for connecting one corner of the re-



spective extensions to the front section at said shoulder edges near said arm openings.

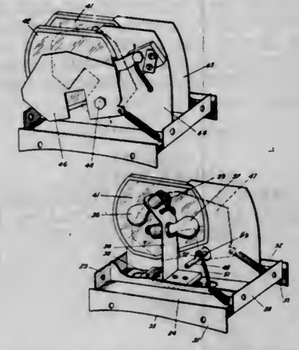
2,254,077
APPARATUS FOR MANUFACTURING COVERED BELT BUCKLES
Samuel Levin, New York, and Louis Rosenberg, Brooklyn, N. Y.
Application June 30, 1938, Serial No. 216,774
3 Claims. (Cl. 29—3)



3. Apparatus for manufacturing covered belt buckles embodying, in combination, a die bed and a clinching head comprising an outer rim member fixed in relation to said head, a core member and an intermediate frame-contacting member, one of said clinching head members being movable in relation to said rim member for the purpose hereinabove specified, said core member being also retained in stationary relationship to said head and movement of one of said clinching head members being adapted, in one operation, to clinch the folded edge portions of the cover members at the belt-receiving aperture and to apply pressure on extended outer edges of the cover members.

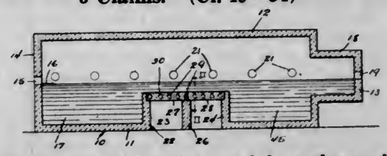
2,254,078
DIRECTION INDICATING SIGNAL
Ernest D. Maloy, Cedar Rapids, Iowa
Application December 6, 1938, Serial No. 244,257
6 Claims. (Cl. 116—42)

1. In a signal, a reflecting target within the signal, a cover member having translucent indicia thereon through which the target may be viewed, a shutter between the cover and the target for interrupting the view of the target, and



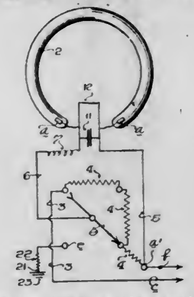
means for moving the shutter to permit viewing the target for giving an indication.

2,254,079
METHOD AND APPARATUS FOR FORMING AND REFINING GLASS
Kenneth B. McAlpine, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application February 6, 1940, Serial No. 317,551
5 Claims. (Cl. 49—54)



1. A process of forming seed free glass, which process comprises introducing glass batch into a tank furnace, fusing the batch down into a pool of molten glass, which flows slowly forward in the tank, then flowing the glass over an obstruction in an intermediate part of the tank as a relatively thin sheet, while heating it further in order to obtain high fluidity, blowing bubbles of a sweeping gas through the glass while it is moving as such sheet, then again collecting it as a deep slow moving pool and finally withdrawing molten substantially seed free glass from the latter pool.

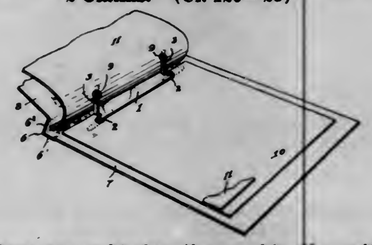
2,254,080
ELECTRICAL SYSTEM TESTING DEVICE
Madison P. McCarty, Dallas, Tex., assignor of fifty per cent to Cornelius A. Donovan, Dallas, Tex.
Application July 20, 1940, Serial No. 346,495
7 Claims. (Cl. 175—183)



1. Apparatus for testing the ignition system of

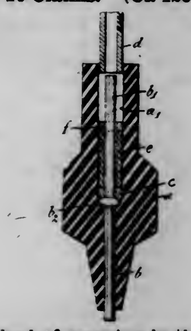
an internal combustion engine, a fluorescent tube, a resistance network connected in series with the high tension circuit of said system, a tube circuit connected across said resistance network and means operative over said resistance network for varying the voltage drop received by said tube whereby to indicate the condition of said system.

2,254,081
BINDER FOLDER
Hugh B. McClure, Peoria, Ill.
Application August 1, 1940, Serial No. 349,368
2 Claims. (Cl. 129—25)



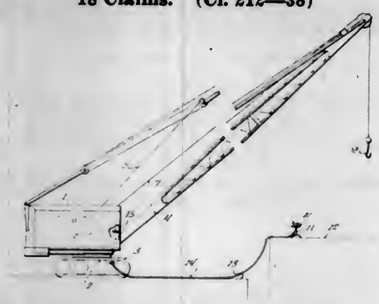
1. In a paper binder, the combination with a support, of a fastening device of sheet material attached thereto, said fastening device comprising a flat, elongated body portion having means at one side only for securing it to said support, the opposite side edge being free to allow papers to lie against both faces of said body portion when in use, and a pair of tangs projecting from each end of said body portion, the tangs of each pair being disposed in spaced, edge-to-edge relation, all parts of said body portion and the roots of said tangs lying substantially wholly in a single plane, when in use, one set of corresponding tangs of opposite pairs being bendable out of said plane in one direction, and the other set being bendable out of said plane in the opposite direction, to receive the sheets to be bound.

2,254,082
SPARK PLUG
Charles Eugène Meyer, Neuilly-sur-Seine, France, assignor to Société de Construction d'Appareils Mécaniques & Electriques pour Automobiles S. C. A. M. E. A., Neuilly-sur-Seine, France, a company of France
Application February 24, 1940, Serial No. 320,534
In Luxemburg March 18, 1939
16 Claims. (Cl. 123—169)



1. A method of securing in the shouldered bore of the insulating core of a spark plug a central electrode smaller in cross section than the larger portion of the bore, which comprises inserting said electrode into the bore, engaging on said electrode a ring of malleable, heat-conducting matter, subjecting said ring to a high compression so as to deform it against the shoulder and the side wall of the larger portion of said bore, placing next to said ring at least one tube of agglomerated powdery material, and successively, a washer of malleable, heat-conducting matter, and, strongly compressing the whole in the axial direction so as to deform the elements above mentioned and to apply them tightly against the walls of the electrode and of the larger portion of the bore.

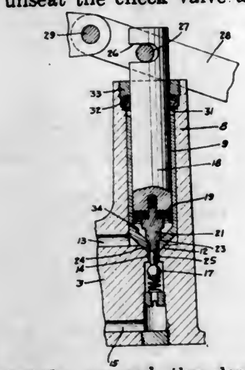
2,254,083
REMOTELY CONTROLLED CRANE OR THE LIKE
Edward B. Nickles and John D. West, Manitowoc, Wis., assignors to Manitowoc Shipbuilding Company, Manitowoc, Wis.
Application March 16, 1938, Serial No. 196,246
18 Claims. (Cl. 212—38)



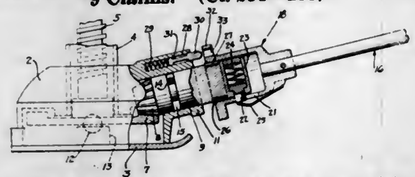
1. A remote controlled load handling device comprising a self-propelled crane having as its power means an internal combustion engine and including power operated load handling means and fluid actuated intermediate control means for controlling the operation of the load handling means for power operation from said internal combustion engine, and remote control means including electrically controlled means for controlling the operation of the fluid actuated intermediate control means.

2,254,084
FLUID PUMP
Harold Nilson, Wayzata, Minn., assignor to George H. Ische, Milwaukee, Wis.
Application March 4, 1940, Serial No. 322,078
5 Claims. (Cl. 103—41)

1. A fluid pump comprising a cylinder having an intake, a reservoir connected with the intake, said cylinder also having a discharge passage provided at one end with a seat, a spring-actuated check valve normally closing the opposite end of said passage, a sleeve mounted in the cylinder and adapted for limited axial movement therein, one end of said sleeve being adapted to engage said seat to close the intake, a piston operable within the sleeve and adapted to move said sleeve out of engagement with said seat upon the suction stroke of the piston, said sleeve having an opening in one end whereby fluid drawn from the reservoir through the intake is drawn into the sleeve upon each suction stroke of the piston, said sleeve being movable into engagement with said seat when the piston commences its pressure stroke, whereby fluid in the sleeve is forced therefrom through the discharge passage, and means carried by the piston adapted to engage and unseat the check valve when the piston approaches the bottom of its stroke, said sleeve and piston being so related that when the piston has been moved to the bottom of its stroke to unseat the check valve and its movement is slightly reversed, the sleeve member is moved out of engagement with said seat, whereby the fluid may return from the discharge passage to the reservoir without entering the sleeve member.

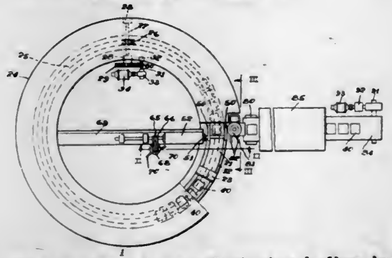


2,254,085
LIFTING JACK
Harold Nilson, Wayzata, Minn., assignor to George H. Ische, Milwaukee, Wis.
Application November 18, 1940, Serial No. 366,106
9 Claims. (Cl. 254—133)



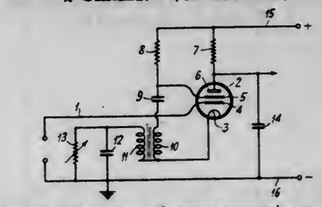
1. The combination with a jack comprising a base having a lifting member mounted thereon, and a mechanism for operating the lifting member, of an operating handle for actuating said mechanism, and means for locking the handle against movement relative to the jack body, when the handle is axially moved in one direction, whereby the jack may be positioned under a load by manipulation of the operating handle.

2,254,086
PROCESS AND APPARATUS FOR THE MANUFACTURE OF HOLLOW BUILDING UNITS
William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 13, 1937, Serial No. 174,374
6 Claims. (Cl. 49—1)



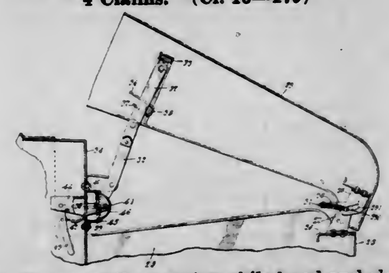
1. The process of manufacturing hollow building units which comprises placing the component elements of the units in superposed relation, passing the assembled units through a preheating oven, applying a direct vertical pressure to the heated units as they are removed from the preheating oven to weld the separate elements of each unit together, and cooling the pressed units gradually to effect a proper annealing thereof.

2,254,087
ELECTRICAL OSCILLATION GENERATOR
William Spencer Percival, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application October 27, 1938, Serial No. 237,342
In Great Britain November 4, 1937
2 Claims. (Cl. 250—36)



2. A serrated wave form generator comprising a thermionic tube having anode, cathode, control and screen electrodes, electric storage means connected in the anode-cathode circuit of said tube, a point of reference potential, a time constant circuit comprising resistance and condenser means, said time constant circuit being electrically connected to said point of reference potential and serially connected between the cathode of said tube and the point of reference potential, means coupling said cathode to said screen electrode, said means having at least a portion thereof connected serially with said time constant circuit between said cathode and said point of reference potential, and an input circuit for said tube connected between said point of reference potential and said control electrode.

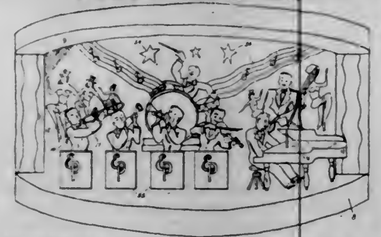
2,254,088
AUTOMOBILE HOOD AND HINGE
Arthur E. Peterson, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Original application July 9, 1938, Serial No. 218,374. Divided and this application August 4, 1939, Serial No. 288,268
4 Claims. (Cl. 16—179)



3. For use with an automobile hood and closure therefor, a hinge for the front end of the closure, including a bracket mounted on the hood and having a generally horizontal transverse pivot member, a hinge member on the closure slotted to receive the pivot member and slidable in rela-

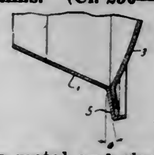
tion thereto and rotatable about the axis thereof, the pivot member abutting against the front end of the slot when the closure is in closed position, and a spring adapted to impart a forward movement to the forward end of the closure when the closure is raised, and to thereby bring the rear end of the slot into contact with the pivot when the closure is rotated to raised position, one end of said spring being secured to the pivot member, and the opposite end being secured to a rearwardly extending portion of the hinge member.

2,254,089
ORCHESTRAL APPARATUS
Edward S. Peyton, Crafton, Pa., assignor of one-fourth to Samuel Strahl, Pittsburgh, one-fourth to Thomas J. Harrison, McKees Rocks, and one-fourth to Irene Simon, Pittsburgh, Pa.
Application August 30, 1939, Serial No. 292,627
6 Claims. (Cl. 46—118)



5. Orchestral apparatus comprising a sound reproducer, an automaton musician, an electric motor of the rotor type, operating connections between the motor and the head and an arm of the automaton, a power circuit for the motor independent of the reproducer, and means operable upon starting and stopping the reproducer to make and break the said power circuit.

2,254,090
CATHODE RAY TUBE ENVELOPE
Donnell W. Power, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1940, Serial No. 332,537
2 Claims. (Cl. 250—141)



2. A composite metal and glass envelope comprising a metal shell with a flange extending radially outward from the rim of the shell, said flange being conical, of uniform thickness, and inclined to the plane of the rim of the shell, a glass plate across the large end of the metal shell with an integral flange along the rim of the plate fitted to and joined gas-tight to the surface of the metal flange.

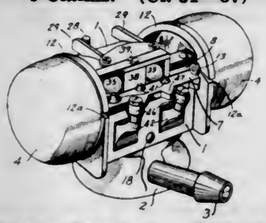
2,254,091
MECHANICAL ORCHESTRA
Fred Rossi, Philadelphia, Pa., assignor, by direct and mesne assignments, of one-fourth to Edward S. Peyton, Crafton, one-fourth to Samuel Strahl, Pittsburgh, one-fourth to Thomas J. Harrison, McKees Rocks, and one-fourth to Irene Simon, Pittsburgh, Pa.
Application December 13, 1938, Serial No. 245,349
8 Claims. (Cl. 46—118)

8. A mechanical orchestra comprising automaton musicians, electrical motor mechanism for operating the musicians, a phonograph having an element movable to and from playing position,



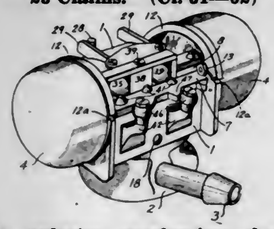
an electrical circuit for energizing said mechanism, and a switch for said circuit, which is actuated through movement of the said element.

2,254,092
METHOD OF MILKING
John A. Schmitt, Waukesha, Wis., and Albert Schellenberg, Joliet, Ill., assignors to The Universal Milking Machine Company, Waukesha, Wis., a corporation of Wisconsin
Application March 22, 1937, Serial No. 132,228
9 Claims. (Cl. 31—87)



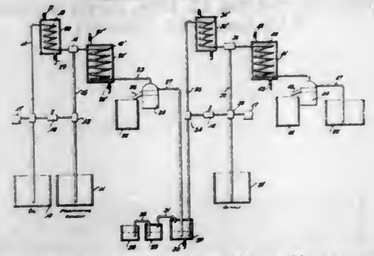
3. The herein described method of simulating the suckling action of a calf including the step of subjecting the cow's teat to repetitious cycles of rhythmical fluctuations of external fluid pressure of like character, but of varying degree of intensity in predetermined sequence.

2,254,093
PULSATOR
John A. Schmitt, Milwaukee, Wis., and Albert Schellenberg, Joliet, Ill., assignors to The Universal Milking Machine Company, Waukesha, Wis., a corporation of Wisconsin
Original application March 22, 1937, Serial No. 132,228. Divided and this application November 30, 1940, Serial No. 368,074
23 Claims. (Cl. 31—62)



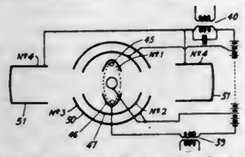
6. In a pulsator mechanism for inducing rhythmical fluctuations of fluid pressure, a conduit having intermittent communication with an exhaust connection, valve means controlling the conduit, an actuator for the valve means to repetitiously open and close the conduit during each cycle of operation to thereby effect a tremulous pulsating variation of fluid pressure in said conduit and means for operating said actuator through a timed sequence.

2,254,094
SOAP STOCK AND PROCESS OF MAKING
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application March 19, 1938, Serial No. 196,977
7 Claims. (Cl. 260—425)



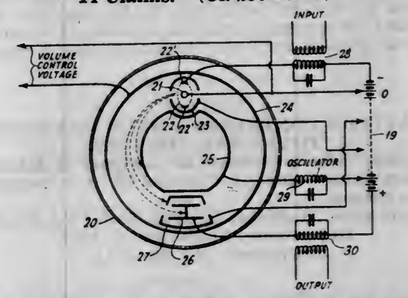
1. The continuous process of treating vegetable oil containing phosphatides, non-fatty matter and free fatty acids, comprising the steps of, mixing a stream of an aqueous solution of a reagent which will precipitate said phosphatides and non-fatty matter with a stream of said oil in sufficient amount and concentration to substantially completely precipitate the same without destruction of said phosphatides or said oil, promptly continuously centrifugally separating the precipitated material from the oil, promptly mixing a stream of an alkaline refining reagent with a stream of the resultant oil in sufficient amount and concentration to substantially completely react with the fatty acids therein to form soap stock, and promptly thereafter centrifugally separating said soap stock from said oil to produce a substantially pure soap stock.

2,254,095
ELECTRON BEAM DISCHARGE DEVICE
Harry C. Thompson, Ludlow, Vt., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 5, 1935, Serial No. 29,808
Renewed February 9, 1940
17 Claims. (Cl. 250—151)



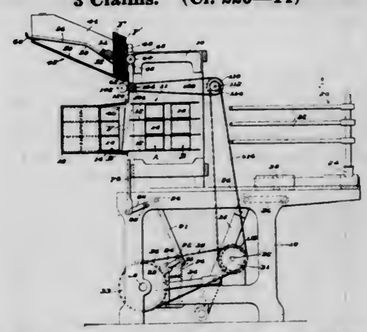
1. A screen grid electron discharge tube comprising a tubular anode, a cathode coaxial with said anode, a unipotential control grid adjacent and surrounding said cathode, and comprising a plurality of conductors spaced to provide a plurality of radial openings, a unipotential screen grid surrounding said control grid and interposed between said control grid and said anode and comprising spaced flat ribbon conductors, each positioned edgewise to and in radial alignment with a corresponding conductor of said control grid to form radial openings in registry with the openings in said control grid.

2,254,096
ELECTRON BEAM DISCHARGE DEVICE
Harry C. Thompson, Newark, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 1, 1938, Serial No. 232,805
14 Claims. (Cl. 250—27.5)



1. An electron discharge device having an envelope containing a cathode, a first control grid surrounding said cathode and means adjacent said first control grid and said cathode for providing a pair of oppositely directed beams of electrons from said cathode, means in the path of said oppositely disposed beams of electrons for causing said beams to travel curved paths and including a second control electrode, an anode for intercepting the beams and an auxiliary electrode adjacent said anode, said second control electrode adjacent the path of the beams being adapted to shift the beams between the anode and auxiliary electrode to vary the output from said anode during operation of the device.

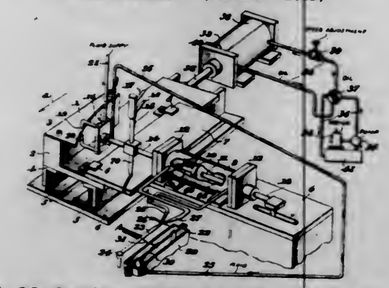
2,254,097
PACKAGING MACHINE
David Kemble Wood, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of the Territory of Hawaii
Application January 27, 1940, Serial No. 315,980
3 Claims. (Cl. 226—14)



1. In a packaging machine, an unobstructed delivery frame, a magazine for forming a pair of stacks of articles adjacent an end of said delivery frame, an ejector, means for reciprocating said ejector forwardly and rearwardly relative to the magazine to deliver, on each forward stroke, the front one of said stacks through the delivery

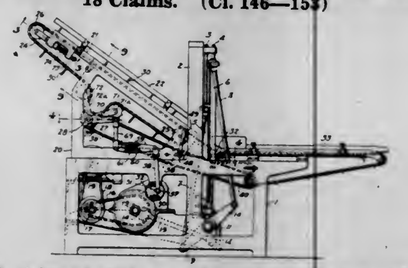
frame into a carton held thereon and to position the other of said stacks in the delivery frame for delivery into a carton on the next forward stroke, said magazine and said delivery frame having a passageway therebetween for a filler pad, a filler pad magazine having a discharge end adjacent said passageway, means positioned above and below said discharging end for positively discharging a filler pad from the pad magazine toward said passageway and for positively feeding said pad through said passageway across said end of the delivery frame in position for delivery through the frame into a carton by the front stack of articles advanced by the ejector, and means for operating said last mentioned means in timed relation with the ejector operating means.

2,254,098
PATTERN CONTROLLED MECHANISM FOR TOOLS AND THE LIKE
Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application November 16, 1939, Serial No. 304,829
In Germany November 22, 1938
21 Claims. (Cl. 90—13.5)



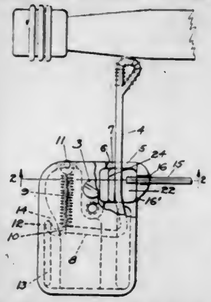
1. Mechanism of the class described, comprising means for directing a fluid stream under constant pressure including two cooperating spaced nozzles between the ends of which the fluid stream passes from one into the other; a pattern cooperating with the fluid stream; and means cooperating with the nozzles under the control of the pressure in the receiving nozzle to communicate the pressure variations in said receiving nozzle and controlled by the pattern to adjust said last-mentioned means to conform with the configuration of the pattern.

2,254,099
BREAD SLICING MACHINE
William E. Bettendorf, Davenport, Iowa, assignor to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware
Application April 3, 1937, Serial No. 134,793
18 Claims. (Cl. 146—153)



1. A bread slicing machine comprising a frame, a group of parallel laterally spaced blades mounted in the frame for endwise movement, means for simultaneously reciprocating said blades, a feed device for advancing loaves of bread to and through the group of blades, means independent of the blade reciprocating means for actuating said feed device, and means controlled by the blade reciprocating means for accelerating and retarding the feed device during each endwise movement of the blades.

2,254,100
FILLING FEELER MECHANISM
Walter J. Budzyna, East Douglas, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application October 12, 1940, Serial No. 360,977
7 Claims. (Cl. 139—281)

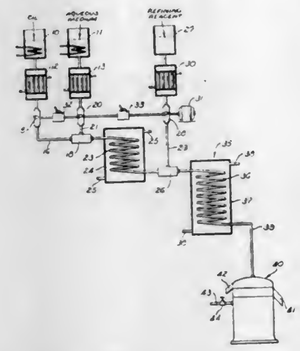


1. A feeler mechanism for looms comprising in combination a housing, a feeler mounted therein for movement forwardly, rearwardly and transversely of the loom, and a plate detachably mounted in said housing adjacent the rear end thereof, said plate having an upstanding flange along one edge parallel to the feeler, the inner surface of said flange forming a stop against which said feeler slides in its movements forwardly and rearwardly of the loom, and the upper exterior surface of said plate forming a supporting and guiding surface for supporting and guiding said feeler in its movements.

2,254,101
METHOD FOR REFINING ANIMAL AND VEGETABLE OILS
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application November 22, 1937, Serial No. 175,971
15 Claims. (Cl. 260—425)

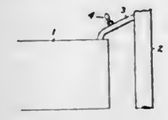
1. A process of refining oils of the animal or vegetable type containing mucilaginous matter and other impurities, which process includes the steps of: mixing with said oil an aqueous medium for which said mucilaginous matter has an affinity and which is capable of impregnating said mucilaginous matter; then adding to and mixing with the resulting product while the impregnated mucilaginous matter remains uniformly suspended therein a refining reagent capable of acting upon said impurities to form foots; conditioning the resulting mixture of oil and foots by flowing same through an elongated passage while maintaining such flow conditions therein as to prevent said foots from separating out of said oil; subjecting the conditioned products to centrifugal action as fast as they issue from said elongated passage to continuously separate the oil from the remaining constituents of said conditioned products; and maintaining such

temperature conditions in the process as will deliver the conditioned products to the zone of



centrifugal separation in non-emulsified condition.

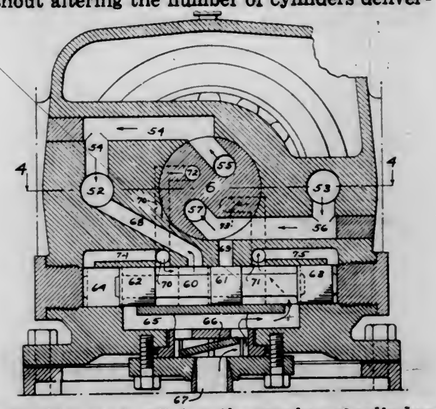
2,254,102
CONNECTOR FOR HYDROMETERS
Don E. Cruse, Fort Wayne, Ind., assignor to E. Edelmann & Co., Chicago, Ill., a corporation of Illinois
Application November 15, 1937, Serial No. 174,556
3 Claims. (Cl. 123—198)



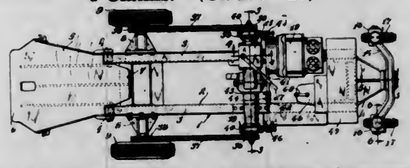
1. A device for connecting a hydrometer to the circulating cooling system of an internal combustion engine comprising, in combination with a circulating cooling system having the usual liquid conducting conduits, a tube, means connecting said tube with one of the conduits for discharge of liquid therefrom, valve means at the end of the tube, and an apertured cap on said tube having an outer end thereof rounded and reduced to receive and fit the liquid intake end of a hydrometer and said cap being associated with the valve whereby the cap can be turned when the hydrometer is fitted to the apertured portion thereof for unseating the valve so that liquid may be conducted through the aperture of the cap into the hydrometer.

2,254,103
DIFFERENTIAL PUMP
James K. Douglas, Shorewood, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 16, 1936, Serial No. 74,740
11 Claims. (Cl. 103—161)

1. In a pump having an outlet and a first and a second inlet, the combination of a plurality of cylinders, a piston fitted in each cylinder, means for reciprocating said pistons to cause the same to draw liquid into said cylinders and discharge it therefrom, valve means for directing the liquid discharged from all of said cylinders to said outlet and for directing liquid from said first inlet to a part only of said cylinders and for directing liquid from said second inlet to the remainder of said cylinders, and means for reversing said pump without altering the number of cylinders delivering liquid to said outlet or the number of cylinders receiving liquid from said first inlet.



2,254,104
MINING MACHINE TRANSPORT TRUCK
Joseph F. Joy, Pittsburgh, Pa., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 18, 1938, Serial No. 235,684
5 Claims. (Cl. 180—17)

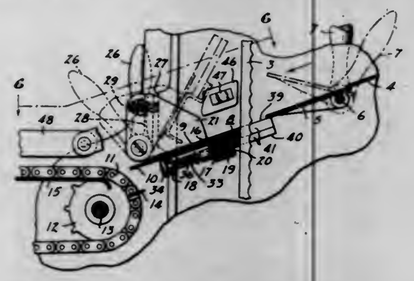


1. A mining machine transport truck comprising, in combination, a horizontal truck frame provided with horizontal longitudinally extending guideways for slidably receiving a unitary mining machine for transport, a plurality of wheels for supporting said truck frame and all directly engaging the mine floor, said wheels comprising a pair of front traction wheels located at the opposite sides of the forward portion of said truck frame and a pair of rear caster wheels located at the opposite sides of the rear end of the truck frame, means for freely swivelly mounting said caster wheels each about an upright axis and both about a longitudinal axis, and motor driven mechanism mounted on said truck frame for independently driving said front traction wheels whereby the truck may be propelled and steered thereby.

2,254,105
SLICING MACHINE
Arthur A. Kottmann, Davenport, Iowa, assignor to Micro-Westco, Incorporated, Bettendorf, Iowa, a corporation of Delaware
Application April 23, 1938, Serial No. 203,864
4 Claims. (Cl. 146—153)

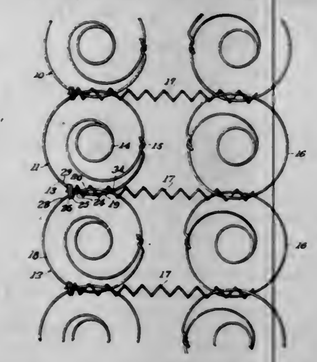
1. In a slicing machine, a plurality of spaced cutters, guide means for the cutters, said guide means comprising a plurality of elements having spaced fingers disposable between the cutters, said elements being carried by a common binding member, a support for the guide means, fastening means for securing the guide means to the support, said fastening means arranged so that

the guide means are secured to and removed from the support by lateral movement of the guide means, and means for simultaneously pivoting



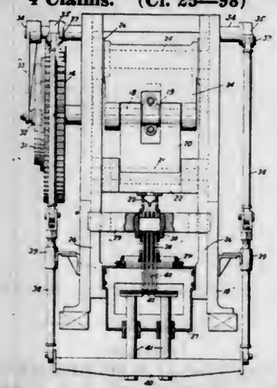
all the fingers of the guide means from between the spaced cutters whereby the cutters may be readily removed from the machine.

2,254,106
SPRING LOCK
Abraham Krakauer, Brooklyn, N. Y., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
Application May 3, 1940, Serial No. 333,059
5 Claims. (Cl. 5—269)



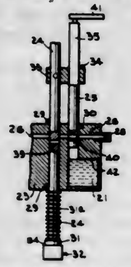
1. In a spring structure, a row of marginal coil springs, a row of intermediate coil springs, a helical connecting spring joining the end coils of a pair of adjacent intermediate springs and also joining the end coils of a corresponding pair of adjacent marginal springs, the end coils of the marginal springs being overlapped within the coils of the helical springs and crossing at two spaced points of intersection, and means for spreading apart and slightly straightening the overlapped parts of the end coils of the marginal springs out of their normal curvatures to force said parts into tight frictional engagement with the surrounding coils of the helical spring and thereby to lock said parts against relative movement, said means comprising a coil of the helical spring wound around diverging parts of the end coils of the marginal springs beyond the outer of said points of intersection and forcing said diverging parts toward each other within the confines of said coil of the helical spring, said coil having a lesser pitch than that of the first-mentioned coils of the helical springs within which the end coils of the marginal springs are overlapped.

2,254,107
POWER PRESS FOR PERFORATED ARTICLES
Fred M. Miller, Bala-Cynwyd, Alfred C. Shape, Upper Darby, and Harry S. Walker, Norwood, Pa., assignors to General Refractories Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 10, 1938, Serial No. 195,056
4 Claims. (Cl. 25—98)



4. A power-driven press for forming refractory shapes or the like comprising, a mold-box, relatively vertically movable plungers cooperating with each other and with said mold-box, said plungers each having a pressure face contacting the material being molded and each having vertical walls, a piercer mounted for reciprocating movement into and out of said mold-box through the material being pressed in said mold-box and into one of said plungers, said one of said plungers having a hollow interior constituting a passage formed by an inlet opening in its pressure face and leading to the hollow interior of said one plunger and leading thence to an outlet opening in a vertical wall of said one plunger and spaced from the pressure face thereof and communicating with the hollow interior of said one plunger, a guide in the hollow interior of said one plunger confronting said passage for directing extruded material towards said outlet opening, and means moving said plungers and said piercer in timed relation.

2,254,108
WRAPPING MACHINE SEALING AND DETECTOR MECHANISM
Michael J. Milmoe, Glen Ellyn, and Clarence J. Malhiot, Oak Park, Ill., assignors to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application February 15, 1937, Serial No. 125,804
17 Claims. (Cl. 91—45)



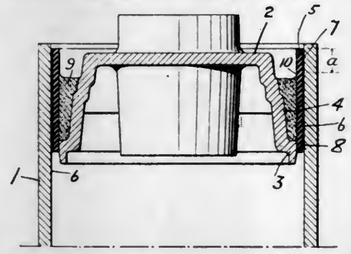
4. An apparatus for applying an adhesive to

a package or article comprising a bearing having a passage therein, a rod normally closing said passage and having an opening therein, means for depositing a predetermined amount of adhesive in said opening, means to operate said rod to bring said opening into alinement with the passage in the bearing, and a source of fluid under pressure connected to said passage for expelling the adhesive from said opening and passage.

2,254,109
PROCESS OF HYDROLYZING GLYCERIDES
Edward A. Nill, Detroit, Mich., assignor to The H. A. Montgomery Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 18, 1938, Serial No. 225,585
5 Claims. (Cl. 260—416)

1. The process of hydrolyzing fatty glycerides, which comprises proportionally admixing the glyceride in liquid condition with a treating liquor containing sulphuric acid and sulphonated mineral oil hydrocarbons of the ichthyol type, substantially impounding the admixture, and controlling the discharge of the mixture of liquids, so that only a thin continuous film is permitted to escape across a swiftly moving surface.

2,254,110
STORAGE BATTERY
George E. Petrosky, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application February 1, 1939, Serial No. 253,973
2 Claims. (Cl. 136—170)

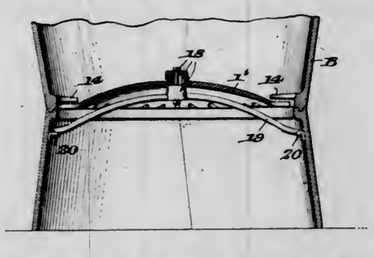


1. Means for imparting yieldability to the seal of a storage battery, comprising a strip of soft rubber having the marginal portion of one of its faces adherent to the sealing compound of the battery and having the marginal portion of its opposite face adherent to the inner wall of the jar of the battery, the adherent portions of the strip being spaced in a vertical direction to provide between them a free intermediate portion of the strip which imparts yieldability to the seal by compression and tension.

2,254,111
HEAT DISTRIBUTING MEANS FOR FURNACES
Frederick A. Wegner, Buffalo, N. Y.
Application May 6, 1938, Serial No. 206,461
2 Claims. (Cl. 126—171)

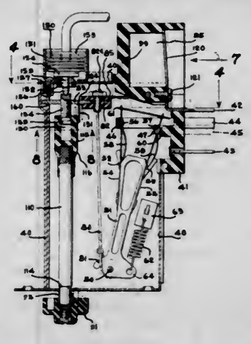
1. A bottom draft deflector for furnaces or other like heaters, which consists of a substantially flat imperforate plate arranged within the fire pot of said furnace and serving as the main support for practically the entire supply of coal within said furnace, a support for said deflector plate journaled within said fire pot, a ring carried by said support, grate means carried at the

periphery of the plate, cooperating grate means carried by the ring, and means for oscillating the plate and its grate means with respect to the ring and its cooperating grate means for the purposes



intended, the entire structure including the plate, ring and both cooperating grate means adapted to be tilted upon its journaled support for dumping purposes.

2,254,112
REFRIGERATOR CONTROL
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 15, 1938, Serial No. 229,995
16 Claims. (Cl. 200—83)

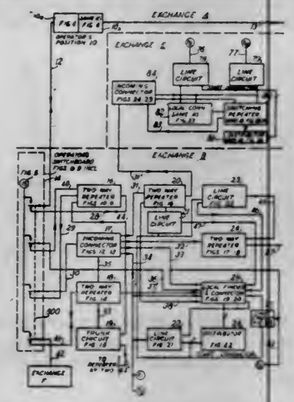


1. A circuit controlling device comprising in combination, a switch; a thermo-electric means for controlling the switch; and thermo-pressure means operatively connected to the thermo-electric means for moving it bodily to control the switch.

2,254,113
TELEPHONE SYSTEM
John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 26, 1938, Serial No. 231,780
27 Claims. (Cl. 179—27)

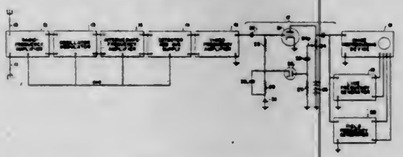
1. In a telephone system, a plurality of exchanges, trunk lines interconnecting said exchanges, an operator's position in each of two of said exchanges, one of said trunk lines extending between said operators' positions, whereby calls may be directly routed between said operators' positions over said one trunk line, automatic switching apparatus provided in at least a portion of said exchanges, and means whereby said automatic switching apparatus is controllable from either of said two operators'

positions to establish a connection to the other of said operators' positions independently of said



one trunk line and routed through at least two other of said exchanges in tandem.

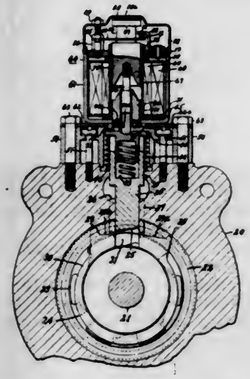
2,254,114
VIDEO-FREQUENCY SIGNAL-TRANSLATING SYSTEM
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application June 9, 1939, Serial No. 278,316
8 Claims. (Cl. 178—7.3)



1. A video-frequency signal-translating system comprising, an amplifier having an input circuit adapted to have impressed thereon an unstabilized video-frequency signal having its background illumination represented by the peak value thereof on one side of its zero axis, a grid-leak resistor for said amplifier, an output circuit for said amplifier, means coupled to said output circuit for deriving only the alternating current component therein, means coupled to said last mentioned means and responsive to said peak value of said signal on one side of its zero axis for developing a unidirectional voltage proportional thereto, and means for applying said unidirectional voltage to said input circuit in series with said grid-leak resistor to reinsert the background-illumination component in the signal translated by said system.

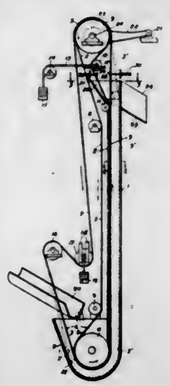
2,254,115
OVERDRIVE CONTROL
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 2, 1940, Serial No. 333,005
5 Claims. (Cl. 188—163)

1. An overdrive control mechanism comprising the sub-assembly of the overdrive housing, a sun gear locking pawl, a spring for urging the pawl away from the sun gear, and a frame for retaining said pawl and spring upon the housing; and a pawl actuating unit sub-assembly for moving the pawl into engagement with the sun gear and adapted to be mounted upon the housing and,



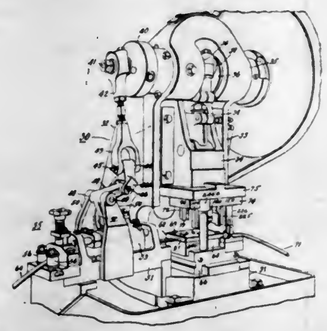
when so mounted, to locate its pawl actuating part in operative relation to the pawl.

2,254,116
BELT ELEVATOR
Robert J. Cooper and Edward D. O'Brien, San Francisco, Calif.
Application September 25, 1939, Serial No. 296,356
7 Claims. (Cl. 198—165)



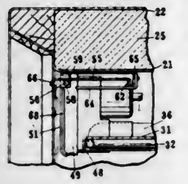
1. In a belt elevator, an upwardly extending tubular casing, a pair of confronting belts in said casing, means moving both belts upwardly, and means for feeding loose bulk material between the belts at the lower end of the casing and form a rising column of material between the belts, at least one of said belts being slack and provided with resilient take-up means permitting the belts to move apart relatively to opposite walls of the casing, the means for introducing the material between the belts including a boot at the lower end of the casing, a pulley in the boot over which both belts pass, and from which they diverge within the boot to receive the material between the diverging runs of the belts, said boot formed to provide a somewhat restricted passage for the entering material adjacent where the material first spreads the belts apart of lesser cross sectional area than the passage in the tubular casing.

2,254,117
TERMINAL CLIP MACHINE
Clarence J. Keller, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 25, 1940, Serial No. 347,513
6 Claims. (Cl. 153—1)



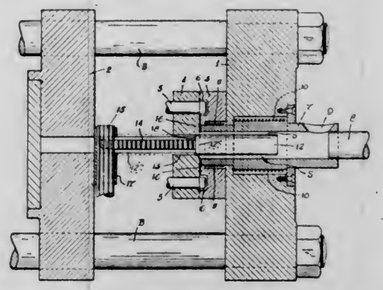
1. Apparatus for forming an angular tubular terminal clip and for attaching the clip to a cable comprising in combination; punch and die members for forming a series of connected blanks from a sheet of strip material; means for severing the foremost blank from the remainder of the strip; means for bending the severed blank into an angular member to provide a pair of arms and concurrently bend the arms into U shape; means for completing the bending of the arms into tubular form, one of the arms being bent about the cable in order to attach the angular terminal clip to the cable.

2,254,118
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio
Application August 14, 1937, Serial No. 159,157
16 Claims. (Cl. 62—116)



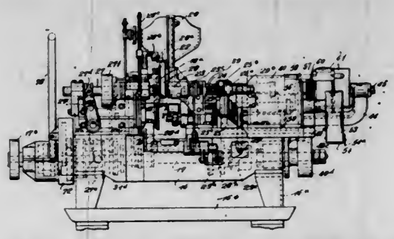
13. A refrigerating apparatus comprising in combination, a refrigerator cabinet having a storage compartment; a heat absorber disposed within the compartment and spaced from an inner wall of the compartment and forming therewith a freezing space open at the front; ice trays in said freezing space and removable from said space through such opening; and means for closing such opening to prevent the escape of air from the freezing space through such opening, said means including a door mounted for pivotal movement and slidable rearwardly between the heat absorber and said inner wall in a plane parallel with said inner wall; hinging means for said door including a stationary part for permitting swinging of the door and including a part on the door disengageable from the stationary part when the door is swung in to the plane parallel with said inner wall.

2,254,119
PLASTIC CASTING MACHINE
Nathan Lester, Cleveland Heights, Ohio, assignor to The Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application May 18, 1937, Serial No. 143,313
6 Claims. (Cl. 18—30)



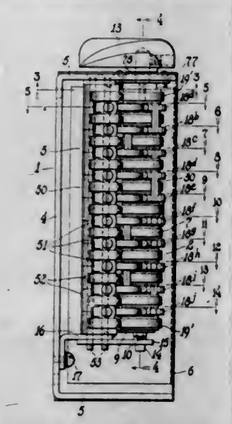
6. In a plastic casting machine, the combination of separable die blocks forming a die cavity, a pressure cylinder having one end in communication with said die cavity and a plunger having a diameter equal to the diameter of said cylinder reciprocable throughout the length of and extending through the other end of said cylinder, a second plunger having a uniform cylindrical surface spaced from the walls of said cylinder and extending through said first-named end of said cylinder and through said die blocks, the ends of both of said plungers within said cylinder being spaced from each other when said first-named plunger is in full retracted position in said cylinder and said second-named plunger is in full extended position in said cylinder, said second plunger being retractively moved by contact with and motion transmitted from said first-named plunger, and means for stopping such retractive movement of said second plunger when the end of the latter occupies a position in alignment with the face of one of said die blocks.

2,254,120
NUT MAKING MACHINE
Benjamin H. Mortus, Shaker Heights, and Louis Steinfurth, East Cleveland, Ohio, assignors to The National Screw & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 17, 1939, Serial No. 304,974
15 Claims. (Cl. 29—38)



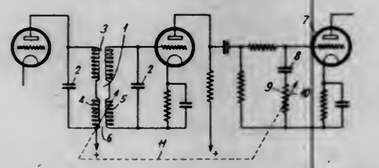
1. A nut making machine comprising a turret having a plurality of chucks, means for supplying nut blanks one at a time to the chucks, a plurality of rotatable tools for substantially simultaneously operating on the blanks at the different stations and including a rotatable bent tap, and means for relatively moving the turret and tools toward and away from each other.

2,254,121
CIRCUIT CONTROLLING DEVICE
Harold L. Mekelburg, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application February 20, 1939, Serial No. 257,283
15 Claims. (Cl. 200—8)



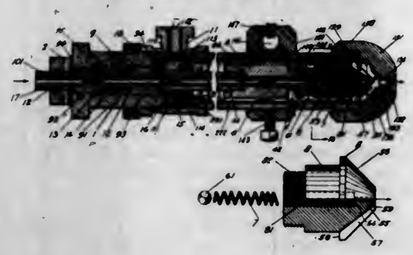
1. In a rotatable drum assembly for electric switches, in combination, a supporting frame including tie rods arranged in parallel relation, a sectional insulating cylinder mounted upon said rods comprising like cylindrical spacing members and like circular contact carrying disks arranged alternately and in axial alinement, said contact carrying disks having openings therein in alinement with said tie rods and said spacers having axially extending openings therein for receiving said tie rods and also having projections on the opposing faces thereof which fit within the openings in said contact carrying disks, and a plurality of contact members anchored between the opposing faces of said disks and spacers, and having contact portions located on the outer surfaces of said disks.

2,254,122
TONE CONTROL DEVICE
Alfred Schöne, Berlin-Tempelhof, and Eugen Steffens, Berlin-Siemensstadt, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 31, 1937, Serial No. 156,628
In Germany August 10, 1936
3 Claims. (Cl. 250—20)



1. In signalling apparatus having a high frequency portion and a low frequency portion, means for controlling the band width of the high frequency portion, means for varying the frequency characteristics of the low frequency portion and single operable means adjustable over a predetermined range of movement for controlling both of said first two named means, said first named means being operable by said single means over only a portion of the range of movement of said single means, said second means comprising a variable resistance element operable by said single means over substantially all of the range of movement of the single means, said resistance element being arranged so as to be only slightly effective in the range of operation of said first named means by the single means and producing its maximum effect in that portion of the range of movement of the single means within which the first named means is not operated thereby.

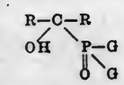
2,254,123
OIL BURNER
Edward William Soaper, Baltimore, Md., assignor to Swindell Brothers, Incorporated, Baltimore, Md., a corporation of Maryland
Application March 6, 1939, Serial No. 260,178
4 Claims. (Cl. 299—115)



1. In a burner of the class described, the combination of a cap of cylindrical form with its external surface rounded and flattened at its spraying end portion with an aperture passage centralized in the flattened surface and extending from the apex of an internal conically shaped surface of the cap's wall which forms a mixing chamber within the cap, the portion of the passage adjacent the chamber converging into the aperture passage for approximately half its length and half its diameter before continuing uniformly to terminate at the said flattened surface, a nozzle in said chamber having a cylindrical body with a passage therethrough and with a superimposed overhanging head of frustrum-like form pointing away from the body, the larger end portion of the head being of relatively short cylindrical form and forming a base-like ring for the external surface of the head to taper from towards its apex plane surface, said head having more than two spaced grooves on its peripheral portion directed to the edges of the said apex plane surface at a quasi-tangential angle thereto, the grooves proceeding from under the overhanging edge surface of the head being of quasi-rectangular section, being undercut into the peripheral surface of said head, and diminishing uniformly from the overhanging edge to the apex plane surface, a shell for the cap to attach to and internally surround the said nozzle allowing sufficient spacing for the passage of a relatively narrow stream of air or the like to be blown therethrough, whereby the said air partially passes through the grooves in specially formed stream jets and partially passes by the overhanging edges in sheets to combine with the fuel oil or the like passing through the centralized aperture of the nozzle the mixture being twirled by the jets within the mixing chamber and thence continuing through the aperture passage in the cap to spread out at the flattened surface into a globular cloud of mixed air and fuel.

2,254,124
ORGANIC COMPOUND OF QUINQUEVALENT PHOSPHORUS
Philip Greeley Stevens, Montreal, Quebec, Canada, and Howard Sinclair Turner, Swarthmore, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 5, 1939, Serial No. 277,562
29 Claims. (Cl. 260—500)

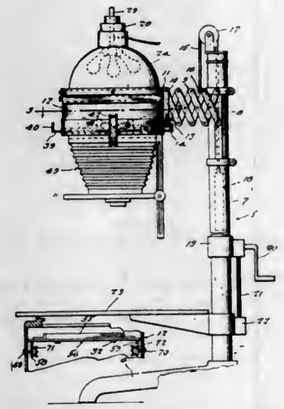
2. Tertiary alpha-hydroxyphosphonates of the formula



wherein the radicals R are organic radicals containing no elements other than carbon, hydrogen and oxygen, R—C—R contains at least ten carbon atoms, at least one of the organic radicals R is an aliphatic radical, G is a member of the class consisting of OH, OM, R, and OR, and M is a cation of the class consisting of hydrogen and salt-forming atoms and groups.

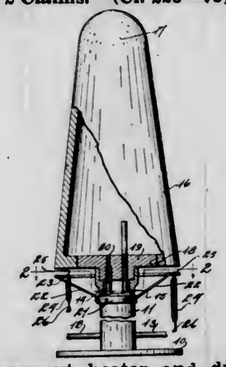
8. Process which comprises reacting a ketone of at least ten carbon atoms having at least one open-chain aliphatic radical attached to the carbonyl group with a bromide or chloride of tervalent phosphorus, all valences of which are satisfied by single bonds, preferably in the presence of a low molecular weight organic monocarboxylic acid or anhydride.

2,254,125
PROJECTING DEVICE
Felix Tarullo, Southbridge, Mass.
Application November 7, 1939, Serial No. 303,282
5 Claims. (Cl. 88—24)



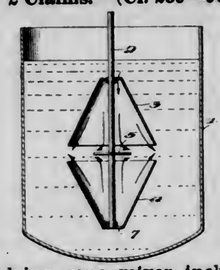
1. Apparatus of the character described, said apparatus comprising a support, a vertical substantially cylindrical main housing mounted on one side of said support, a lamp housing mounted on the upper end of said cylindrical main housing, a main holder separably connected to the lower end of said main housing, said main holder having depending means enabling connection of an enlarging camera, means mounting said main housing on said support and enabling reversing said main housing to position said main holder above said main housing, and a printing box mounted on and above said main housing by means of said depending means.

2,254,126
GARMENT HEATER AND DRIER
John W. Teel, Muskogee, Okla.
Application October 23, 1940, Serial No. 362,439
2 Claims. (Cl. 223—73)



1. In a garment heater and drier, a bowl-shaped form, a pedestal having pipes extending therethrough for delivering the heating instrumentality to the interior of the hollow form, means for stretching the garment on the hollow form including a collar attached on the pedestal, arms radiating from the collar, a ring supported by the arms, and garment engaging means adjustable on the ring and operative to exert a pull on the garment supported by the hollow form.

2,254,127
REVOLVING CONE MIXER
Elvin M. Underwood, East Liverpool, Ohio, assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio, a corporation of Ohio
Application March 25, 1939, Serial No. 264,225
2 Claims. (Cl. 259—96)

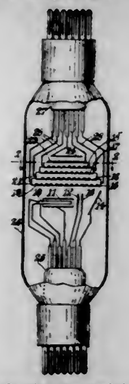


1. A revolving cone mixer including a tank, a rotary shaft, cones secured to the shaft with their larger ends discharging toward each other and having inlets at their remote outer ends, and at least one baffle located on the shaft within the general area bounded by the two cones, said baffle having smooth and unobstructed surfaces and being of less diameter than the mean diameter of said cones.

2,254,128
ELECTRON MULTIPLIER
François Joseph Gerard Van den Bosch, London, England, assignor to Vacuum-Science Products Limited, London, England, a British company
Application June 1, 1939, Serial No. 276,883
In Great Britain June 2, 1938
9 Claims. (Cl. 250—175)

1. An electron multiplier comprising a primary cathode, a secondary electron-emitting electrode

for emitting secondary electrons under bombardment by other electrons and having holes for the passage of electrons, and a collector electrode

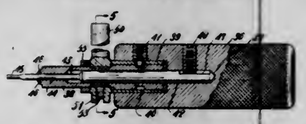


for the secondary electrons, which holes are each bounded by a wall of which a part on which approaching electrons impinge is inclined to the path of the approaching electrons.

2,254,129
GERMICIDE
Frederick W. Ames, New Orleans, La.
No Drawing. Application March 2, 1940, Serial No. 321,986
2 Claims. (Cl. 167—25)

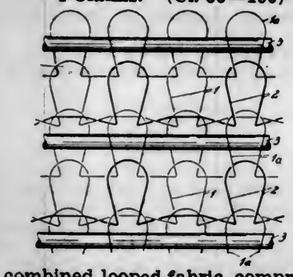
2. A germicide comprising a dilute alcoholic solution of equal parts of phenol and oil of thyme.

2,254,130
TOOL OR WRENCH
Ralph I. Anderson, Los Angeles, Calif.
Application August 13, 1938, Serial No. 224,751
1 Claim. (Cl. 81—55)



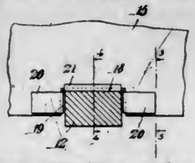
A tool or wrench of the character described comprising a handle provided with a recess and a counterbore concentric therewith, a rod mounted in said recess and extending through said counterbore outwardly of the handle, said rod being provided in said recess with an axially elongated flat, a screw carried by said handle and engaging said flat whereby said handle and rod will rotate as a unit but can have limited relative endwise movement, a member mounted on said rod and provided with a portion extending into said counterbore, said member terminating at all times inwardly of the outer end of said rod, cooperating means carried by said member and handle and interconnecting the same for relative rotation but holding said handle and member against relative endwise movement, said rod having a reduced portion at its outer end seated in a like reduced bore in the outer end of said member forming stops to limit relative outward movement of the rod in said member, the outer ends of said rod and member being provided with portions for engagement with a slot and socket respectively, and a second handle mounted on said member outwardly of said first handle, to rotate the same relative to said rod and said first handle.

2,254,131
KNITTED ELASTIC FABRIC
Kurt Anton, Zeulenroda, Germany, assignor to Julius Römpler Aktiengesellschaft, Zeulenroda, Thuringia, Germany
Application May 21, 1940, Serial No. 336,442
In Germany February 11, 1939
4 Claims. (Cl. 66—190)



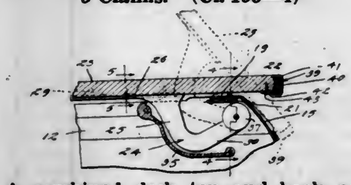
1. A combined looped fabric, comprising a network of stitches consisting of combined stitch courses and normal ribbed courses, all stitch courses of one side of the fabric consisting of a uniform thread material while on the opposite side the thread material changes with each succeeding stitch course.

2,254,132
DRAWER MOUNTING AND GUIDE
George Thomas Appleyard, Winston-Salem, N. C.
Application September 25, 1940, Serial No. 358,352
4 Claims. (Cl. 45—77)



1. In a drawer structure, a drawer having an end plate with a recess in its lower edge, a guide comprising a body to fit within said recess, portions of said body enclosing all edges of said recess, and arms projecting from said body and embracing said plate to secure the body to said plate.

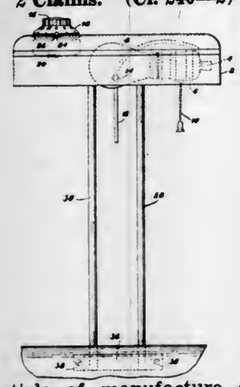
2,254,133
ADJUSTABLE DESK TOP AND BOOK COMPARTMENT
William J. Bargen, Waukegan, Ill.
Original application July 26, 1939, Serial No. 286,699. Divided and this application March 13, 1940, Serial No. 323,800
5 Claims. (Cl. 155—4)



1. A combined desk top and book compartment comprising a box provided with front, rear and bottom walls and a pair of end walls, a rearwardly projecting top wall extending from said front wall and terminating at its rear edge forwardly of said rear wall, means securing said top wall to said end walls, a top member, a pair of L-shaped hinge members each having one leg

thereof fixed to said top and having the other leg thereof projecting inwardly beneath said top wall, an inwardly projecting flange carried by each end wall, a plate fixed to said flange and forming therewith a housing for a hinge member, a pivot engaging through an end wall, said other leg of an L-shaped hinge member and through said plate, and means carried by said pivot for yieldably resisting turning of a hinge member relative to a pivot to thereby hold said top member in a selected position relative to said box.

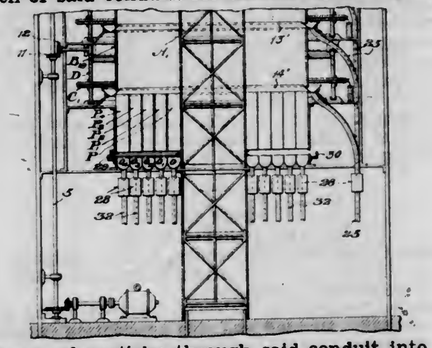
2,254,134
COMBINED SHADE, LIGHT, AND TIMER
Harold O. Berry, Gardner, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application May 29, 1940, Serial No. 337,895
2 Claims. (Cl. 240—2)



1. An article of manufacture comprising a shade, an electric light mounted therein and substantially concealed from view, a timer comprising a rotatable dial and operative mechanism mounted on said shade having the timer dial located on the outside of said shade and unconnected therewith and the operative mechanism mounted within and concealed from view by said shade, a pointer adjacent said dial, said pointer formed by material cut and bent upwardly from said shade, the opening left by said bent up pointer providing a small aperture through said shade whereby light may shine on said dial.

2,254,135
PROCESS AND APPARATUS FOR SEPARATING DISINTEGRATED SOLID MATERIALS
Arpad Boer, Martinez, Argentina
Application September 8, 1939, Serial No. 294,008
In Argentina April 13, 1939
3 Claims. (Cl. 209—127)

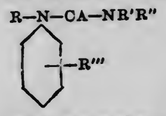
1. In an electrical precipitation separator, a stationary vertically extending central electrode, a plurality of annular electrodes arranged mutually spaced and electrically insulated in a vertical stack surrounding said central electrode, a series of concentric annular collecting troughs arranged at the bottom of said stack, and means for applying between said central electrode and said annular electrodes high voltages which progressively increase from an upper annular electrode to annular electrodes lower in said stack, whereby comminuted materials delivered at the top of said stack are electrically charged and separate into said respective troughs according to their respective surfaces and masses, individual discharge conduits from each of said troughs, and individual expansion cylinders formed of insulating material and connected in each of said conduits for therein separating the



stream of particles through said conduit into a plurality of streamlets for reducing the integrated electrostatic effect thereof.

2,254,136
UREA AND THIOUREA DERIVATIVES
Johannes S. Buck, Bronxville, and Edwin J. de Beer, Tuckahoe, N. Y.
No Drawing. Application May 10, 1939, Serial No. 272,792
4 Claims. (Cl. 260—552)

1. A compound of the general formula



in which R represents a member of the group consisting of the alkyl and alkenyl radicals having less than eight carbon atoms, A represents a member of the group consisting of O and S, R' represents a member of the group consisting of hydrogen and the alkyl and alkenyl radicals of less than eight carbon atoms, R'' represents a member of the group consisting of hydrogen and the alkyl and alkenyl radicals of less than eight carbon atoms, and R''' represents a member of the group consisting of an alkyl radical having more than one and less than eight carbon atoms and a plurality of alkyl radicals each having less than eight carbon atoms.

4. A new composition of matter consisting of uns.-ethyl-p-ethylphenyl thiourea.

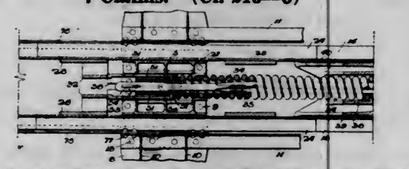
2,254,137
AUTOMOBILE PROTECTIVE SCREEN
John P. Biehn, Gregory, S. Dak.
Application November 14, 1940, Serial No. 365,716
5 Claims. (Cl. 293—54)



1. An insect shield for motor vehicles com-

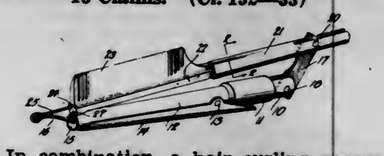
prising a shield formed of mesh wire fabric mounted within a frame, said frame being provided with eyelets in its lower portion for receiving fastenings for attaching the shield to the front bumper of a motor vehicle, said shield extending from side to side of the vehicle and being disposed in front of the front fenders and the radiator, said mesh wire fabric being provided with openings disposed in front of the headlights of the vehicle, and mesh wire fabric closures swingably connected to the shield for closing or exposing said openings.

2,254,138
CAR CONSTRUCTION
Otho C. Duryea, Waterbury, Conn., assignor to O. C. Duryea Corporation, Wilmington, Del., a corporation of Delaware
Original application February 16, 1939, Serial No. 256,808. Divided and this application October 9, 1939, Serial No. 298,653
7 Claims. (Cl. 213—8)



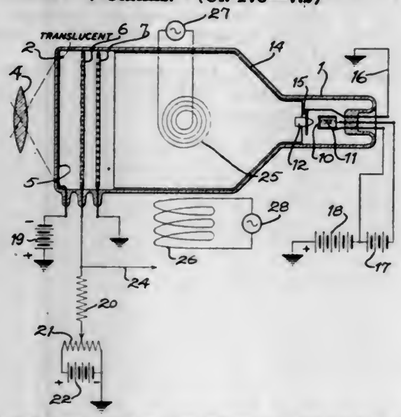
1. In a railway car, the combination of a body bolster, a draft and buffing column extending longitudinally of the car and passing slidably through said bolster, yielding means extending outwardly from the outer side of the bolster toward the end of the car for resisting relative movement between said column and bolster, a link extending slidably through the bolster and connecting the inner side of the bolster with the outer end of said yielding means, follower means between the inner end of said yielding means and the outer side of the bolster, means for connecting said link and column on inward movement of the column for compressing said yielding means against said follower means, said follower means having an extension passing inwardly through said bolster, and a stop on said column on the inner side of the bolster and adapted to engage said extension on outward movement of the column to move said follower means outwardly and compress said yielding means against the outer end of said link.

2,254,139
HAIR CURLER
Louis Eisenman, Brooklyn, N. Y.
Application February 25, 1939, Serial No. 258,516
15 Claims. (Cl. 132—33)



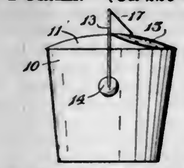
1. In combination, a hair curling means including end parts and means flexibly connecting said parts whereby they may be extended end to end or folded into substantially parallel relation, a hairpin, means at one end of said curling means adapted to carry one shank of said hairpin and means at the other end having a recess for receiving the other shank when the parts of the curling means are in substantially parallel relation, means for forming a curl on one of said parts, and means whereby said curl may be interposed between the shanks of the hairpin on relative longitudinal movement of one end part of the device with respect to the other end part.

2,254,140
IMAGE ANALYZING SYSTEM
Philo T. Farnsworth, Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application September 10, 1938, Serial No. 229,350
7 Claims. (Cl. 178—7.2)



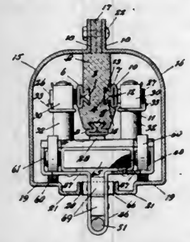
1. The method of generating a television picture signal which comprises forming a charge image in accordance with an optical image to be transmitted, successively creating a plurality of secondary electrons adjacent successive elemental areas of said charge image, modulating the stream of said secondary electrons in accordance with the charges of said elemental areas, utilizing a portion of said modulated stream of secondary electrons to neutralize the charges of successive elemental areas of said charge image, and collecting the remainder of said modulated stream of secondary electrons to develop a picture signal.

2,254,141
COVERED VESSEL
Francisco Garcia, San Antonio, Tex.
Application September 29, 1938, Serial No. 232,421
1 Claim. (Cl. 220—47)



A vessel for liquids having a hand swinging bail means, a dome-shaped top of uniform curvature throughout, an opening in a portion of the top extending substantially from the center of the top to one of its edges, a cover for the opening conforming to the general shape of the dome-shaped top and having its inner surface of the same curvature as the curvature of the outer surface of the top, link means pivotally connected to the bail means and cover and of such a length that when the bail is in vertical position the cover will be held in closed position, the links extending downwardly and inclinedly from the bail when the latter is in vertical position, the cover being slidably mounted on the dome-shaped top to move along close to the surface of the top to uncover the opening when the bail moves out of vertical position to an angular position.

2,254,142
ELECTRIC TROLLEY CONSTRUCTION
Ernest M. Glasgow, Towaco, N. J., assignor to Feedrail Corporation, New York, N. Y., a corporation of New York
Application December 5, 1935, Serial No. 53,075
33 Claims. (Cl. 191—45)



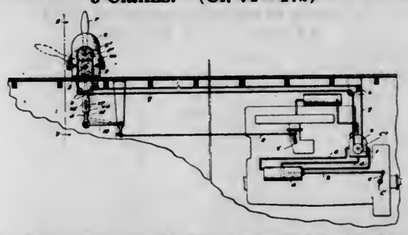
1. In an electric trolley construction, a carriage having a set of four supporting rollers arranged in transversely spaced pairs, a frame having journals for said supporting rollers, insulation supported by said frame, a set of three electrical trolley contacts on said carriage separate from said supporting rollers and insulated therefrom, means for urging a pair of said contacts toward each other and means for urging the third toward said pair.

2,254,143
ACCESSORY
Floyd E. Heatwole, Arlington, Va.
Application May 15, 1939, Serial No. 273,765
2 Claims. (Cl. 15—210)



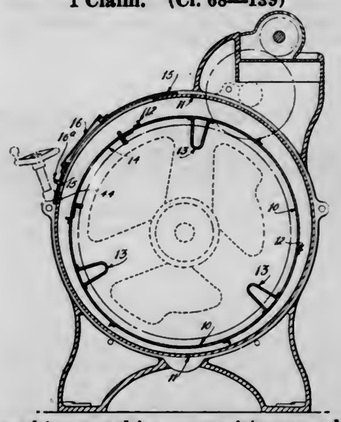
1. A device for wiping an oil gauge comprising a cylindrical mass of absorbent substance formed by rolling a rectangular block of the absorbent substance about an axis which is its longest dimension, a cylindrical casing for holding the mass of absorbent substance in cylindrical form, means for closing one end of said container and means for forming a detachable closure for the opposite end thereof, said rectangular block of absorbent substance, before rolling, having chamfered edges adjacent the inner face thereof, said face having slits formed substantially throughout the thickness thereof, that are parallel to each other, spaced from one another and parallel to the chamfered edges, whereby a plurality of longitudinal passageways are formed when the rectangular block of absorbent substance is retained by the cylindrical casing in rolled cylindrical form.

2,254,144
ENGINE CONTROL FOR MARINE ENGINES
Andrew J. Higgins, New Orleans, La., assignor to Higgins Industries, Inc., New Orleans, La., a corporation of Louisiana
Application November 2, 1940, Serial No. 364,068
5 Claims. (Cl. 74—472)



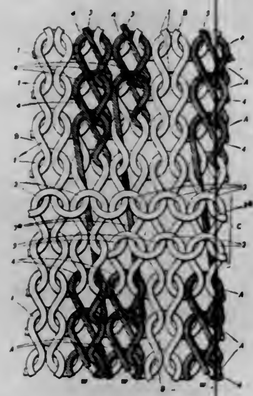
1. A control device for a marine engine having a reversing gear and a carburetor throttle, comprising a support, a lever pivotally mounted on the support, a rotary reversing gear operating member pivotally mounted on the support, segmental gears operatively associating the lever and reversing gear operating member and linkage operatively connecting the lever and the throttle.

2,254,145
WASHING MACHINE
James Lambert Hill, Chorley, England
Application August 21, 1939, Serial No. 291,219
In Great Britain August 19, 1938
1 Claim. (Cl. 68—139)



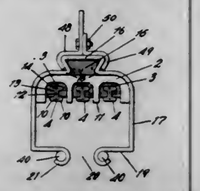
A washing machine comprising a cylindrical casing with end closing members arranged with its axis approximately horizontal, a cylindrical perforated drum with end closing members within the casing mounted for rotation about its own axis with such axis below that of the casing, vanes on and standing out beyond the periphery of the drum, extending the full length thereof and adapted to pass close to the bottom of the casing to lift the washing fluid on one side of the drum in the manner of a rotary pump into a space of increasing cross section and sealing means between the ends of the drum and the ends of the cylinder to substantially prevent return flow round the ends of the drum, said sealing means comprising an annular projection extending between the adjacent ends of the casing and drum elements near the cylindrical surface of said drum, said annular projections being secured to one of said elements and contacting said other element in sealing relationship.

2,254,146
KNITTED FABRIC
Henry Harold Holmes and John Cyril Herbert Hurd, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company
Application December 14, 1939, Serial No. 309,282
In Great Britain December 20, 1938
9 Claims. (Cl. 66—201)



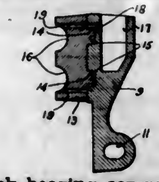
1. Knitted fabric comprising areas composed of plain stitches, purl knitted portions which are interspersed with the plain stitch areas, and, within said plain stitch areas, patterning produced by lap striping effects.

2,254,147
ELECTRIC TROLLEY CONDUIT CONSTRUCTION
Emil A. Horn, Jamaica, N. Y., assignor to Feedrail Corporation, New York, N. Y., a corporation of New York
Application July 9, 1938, Serial No. 218,451
19 Claims. (Cl. 191—23)



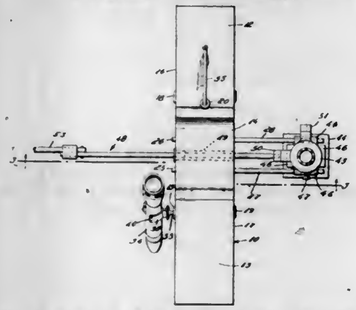
1. In an electric bus bar conduit construction, an elongated sheet metal casing having a longitudinal slot and track portions parallel thereto, the sheet metal of said casing having longitudinal folds projecting inward on opposite sides with upwardly and outwardly flared sides above said slot and track portions forming a narrow central upstanding longitudinally extending hollow stiffening rib, an insulating hanger in said casing having an upward projection with laterally flared side surfaces forming supporting abutments engaging the interior of said stiffening rib above said longitudinal sheet metal folds, and longitudinally parallel bus bars mounted on said hangers and having exposed contact surfaces, said insulator having a portion below said folds sufficiently wider than the portion above said folds to receive said bus bars in transversely spaced relation.

2,254,148
PUMP JACK BEARING
Luther V. Hull, Wichita Falls, Tex.
Application October 18, 1940, Serial No. 361,772
6 Claims. (Cl. 308—21)



1. A pump jack bearing comprising a bearing support having means for securing the same to a pump jack and having a forward bearing face, a bearing plate centrally arranged in abutting relation against said bearing face and reversible in position relative thereto, said bearing plate having a plurality of grooves in the side thereof opposite the bearing face of the support adapted for selectively receiving an operating member, one of said bearing members having a recess therein in the bearing face thereof and the other member having a lug thereon interfitting with said recess to hold the bearing plate against sliding movement relative to the support.

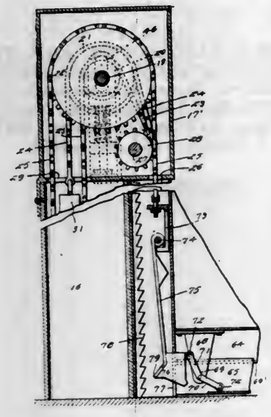
2,254,149
AUTOMOBILE JACK
Marthinus Jensen, Greenwich, Conn.
Application September 28, 1940, Serial No. 358,913
5 Claims. (Cl. 254—88)



1. In a device of the character described an automobile jack including a cradle having bores therein, rods slidably mounted in said bores, arms pivotally secured to said rods and a jack removably mounted on said arms.

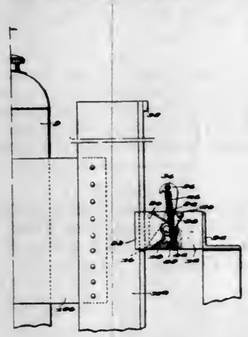
2,254,150
CLOSURE
Oliver D. Kingsland, Rochester, N. Y.
Application April 18, 1940, Serial No. 330,417
5 Claims. (Cl. 268—30)

1. A gate comprising an upright frame, a plurality of panels slidably mounted in said frame for closing the frame opening when disposed in an extended position relatively to each other, a shaft journaled in the upper portion of said frame, a plurality of sprocket wheels, of different diameters, keyed to the shaft, chains connected to said panels, at corresponding ends thereof, and trained over said sprocket wheels, a weight connected to the opposite ends of said chains for counterbalancing the weight of said panels, said shaft being rotatable for simultaneously raising and lowering the panels, at different speeds, whereby the panels will simultaneously reach an extended position for closing the frame opening or a nested position at the top of the frame for exposing the frame opening, an upright rack bar formed in one side of said frame, said lower-most panel being provided with a bottom rail formed of telescoping sections, a rocker arm pivotally mounted in said bottom rail, and latch means connected to said bottom panel



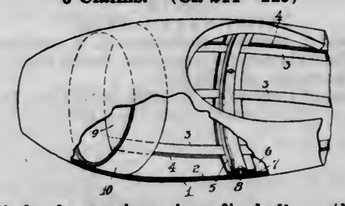
and engaging an end of said rocker arm, and said rocker arm being actuated when said telescoping sections are retracted for moving the latch means into engagement with the rack bar for latching the bottom panel to the frame and for cooperating with the chains and sprocket wheels for holding the other panels from moving downwardly in the frame.

2,254,151
SNOW REMOVER
Walter E. Klauer, Dubuque, Iowa
Application February 15, 1940, Serial No. 319,133
11 Claims. (Cl. 37—43)



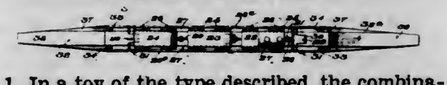
11. In combination with a vehicle, a road machine, and means mounting the road machine on the vehicle for vertical movement with respect thereto, means movable with the road machine to lock the road machine in raised position with respect to the vehicle and means mounted for movement with the locking means urging said locking means to locking and unlocking positions, said last means being selectively operable in all positions of said locking means.

2,254,152
AIRCRAFT CONSTRUCTION
Hanns Klemm, Boblingen, near Stuttgart, Germany, assignor to William Rhodes Davis, New York, N. Y.
Application June 20, 1939, Serial No. 280,026
In Germany April 29, 1938
6 Claims. (Cl. 244—119)



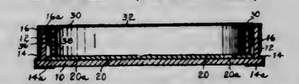
1. A load carrying aircraft shell or the like, comprising a stressed skin of wood veneered sheet metal arranged with the wood veneer facing inwardly, and stabilizing members secured to the inner surface of said skin, each of said stabilizing members including a metal element and a wood veneer secured to the outer surface thereof, the wood veneer of said stabilizing members being glued to the wood veneer of said skin.

2,254,153
TOY
Marshal H. Larrabee, Skaneateles, N. Y.
Application November 19, 1940, Serial No. 366,299
10 Claims. (Cl. 46—216)



1. In a toy of the type described, the combination of a train having wheels for operation on tracks or on a plane surface; a track section having track elements comprising a pair of spaced parallel grooves; and an inclined ramp section connecting said plane surface with said grooves, and having means in advance of said grooves for aligning said wheels and guiding the same into said grooves when said train is caused to approach and mount said ramp section from said plane surface.

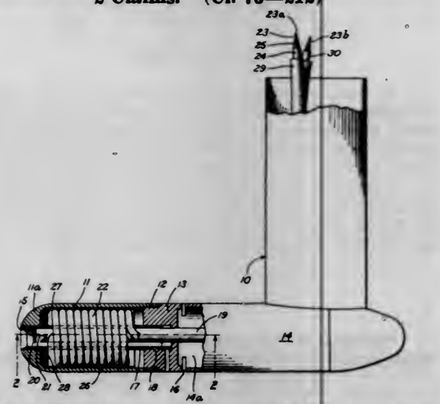
2,254,154
GAME
Albert T. Linney, Lexington, Ky.
Application December 24, 1940, Serial No. 371,484
1 Claim. (Cl. 273—115)



A puzzle game housing a plurality of balls, said game including a bottom portion provided with an upwardly directed annular wall portion, said upwardly directed wall portion including a strip of material terminating in a fold overlapping the top edge of the wall and forming a downwardly directed flange terminating in an inner edge located between the top of the wall and the bottom thereof, an annular target member having a plurality of recesses, said target member having a diameter substantially equal to the inner diameter of said wall and snugly fitting within the wall and seated below said inner edge, a window assembly telescopically disposed with respect to the wall, said window assembly including a transparent member, a duofunctional ring for supporting the transparent member, and resilient interlocking means sur-

rounding the ring, said resilient interlocking means being located immediately below the inner edge so that this edge cooperates with the interlocking means to clamp the annular target between the lower edge of the duo-functional ring and said bottom portion.

2,254,155
PITOT-STATIC TUBE
Wladimir A. Reichel, Bellerose, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 13, 1938, Serial No. 245,501
2 Claims. (Cl. 73—212)

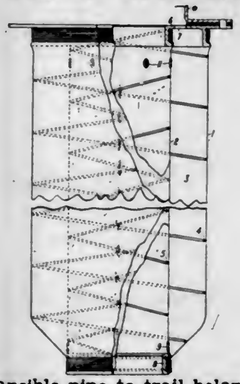


2. A Pitot-static tube comprising a tubular metallic hollow body having its rear end tapered and closed and its front end open for receiving the impact of dynamic air pressure, a wall dividing said tubular body into front and rear compartments, said rear compartment having static openings in its wall and constituting a static pressure chamber, a dynamic pressure tube extending through said rear compartment into said front compartment through said dividing wall with the open end of said pressure tube positioned at the open front end of said tubular body to receive the impact of dynamic air pressure, an electrical heating coil located in the front compartment of said tubular body and surrounding said pressure tube in heat conducting relation therewith to heat the air passing therethrough, and at least one heat conducting metal tube sealed in an opening in said dividing wall and projecting from said wall rearwardly along said static chamber, said coil being made of wire having a heat conducting metal sheath covering the same but electrically insulated therefrom, and said coil having at least one end thereof passing through the metal tube in said dividing wall whereby the heat produced by said coil is conducted to said static chamber to heat said chamber which is also heated by the heat of the heated air passing through said pressure tube.

2,254,156
METHOD OF CASTING LEAD-BEARING STEEL
Wilbur A. Saylor, Bellevue, Pa., and Laurin D. Woodworth, Youngstown, Ohio
No Drawing. Application July 20, 1939, Serial No. 285,628
1 Claim. (Cl. 22—200)

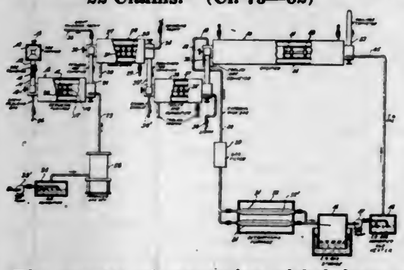
The method of manufacturing lead-bearing steel which consists in preparing the ingot molds by applying a coating of virgin tar to their inner surfaces while said molds are at a temperature of from about 150° F. to 300° F., permitting the molds to stand to expel those constituents of the coating volatilizable at said mold temperature, teeming molten steel into the molds and simultaneously adding lead thereto, said coating increasing the proportion of lead retained in the ingot by preventing segregation of lead on the faces of the ingot, and thereby reducing the lead fumes and the hazard thereof when the ingot is stripped.

2,254,157
COLLAPSIBLE FABRIC PIPE FOR THE DISCHARGE OF LIQUIDS FROM AIRCRAFT
Ronald Andrew Shaw, Farnborough, England
Application May 7, 1940, Serial No. 333,763
In Great Britain November 5, 1938
5 Claims. (Cl. 244—137)



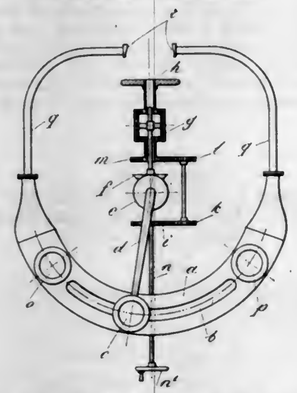
1. A collapsible pipe to trail below and to discharge liquid from an aircraft comprising an inner collapsible tube open at both ends for the passage of liquid therethrough, an outer collapsible tube surrounding and spaced from said inner tube, means attaching the lower end of said outer tube to the lower end of said inner tube to close the lower end of the space therebetween, said inner tube having an opening in its lower end establishing communication between said inner tube and the space between said tubes, and means providing a passage for conducting liquid into the upper end of the space between said tubes when liquid is flowing through said inner tube, the opening in the lower end of the inner tube being smaller than the passage into the upper end of the space between the tubes, whereby the space between said tubes remains filled with liquid during discharge of liquid through the inner tube.

2,254,158
PROCESS OF RECOVERING NICKEL
Kenneth M. Simpson, New York, N. Y.
Application October 8, 1940, Serial No. 360,326
22 Claims. (Cl. 75—82)



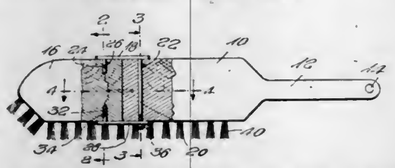
1. The process of recovering nickel from ores containing the same, which comprises, converting the nickel of the ore into metallic nickel, treating the ore with carbon monoxide while the ore contains at least 15% of moisture to produce substantially pure nickel carbonyl, and thereafter decomposing said nickel carbonyl to deposit substantially pure nickel.

2,254,159
APPARATUS FOR TRAINING AEROPHONISTS IN SOUND DETECTION
Gianangelo Sperti, Florence, Italy, assignor to Societá Anonima Officine Galileo, Florence, Italy
Application December 5, 1938, Serial No. 243,987
In Italy December 15, 1937
8 Claims. (Cl. 35—1)



1. An apparatus for training aerophonists, comprising a fixed acoustic conduit, two earphones uniformly connected to opposite ends of said conduit, means to produce airplane noises including a small loudspeaker adapted to emit said noises, means to suspend said loudspeaker in said conduit for shifting longitudinally thereof, and two independently operable means for actuating said suspending means so as to shift said loudspeaker in said conduit.

2,254,160
BRUSH
John Martin Spyckaboer, Midland Park, N. J.
Application August 28, 1939, Serial No. 292,353
1 Claim. (Cl. 15—106)

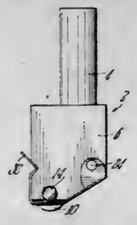


A brush of the character described, comprising in cross-section a substantially square brush head, a handle affixed to one end of the head, a removable tip secured to the other end of the head by means of a vertical clamping member adapted to be positioned through the head and into openings in the end of the top and bottom portions of the removable tip ajacent the brush head, tufts of bristles affixed to the bottom portions of the brush head and removable tip, the bottom portion of the exterior end of the removable tip extending upwardly at an angle from the bottom portion of the brush head, the exposed ends of the tufts of bristles being of substantially uniform length on both the removable tip and brush head, a portion of the exposed ends of the bristles on the removable tip extending progressively upward at an angle from the bottom portion of the remaining bristles substantially parallel with the said angle of the said exterior end of the removable tip.

2,254,161
ART OF ELECTROPLATING
Virgil H. Waite, Berea, and Bernard P. Martin, Cleveland, Ohio, assignors to The McGean Chemical Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 27, 1935, Serial No. 18,690
24 Claims. (Cl. 204—49)

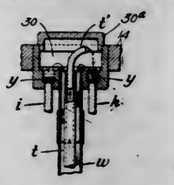
5. In the art of electroplating, the process which comprises electrodepositing nickel from a plating solution containing a compound thereof in association with an addition agent comprising an alkali metal salt of a sulphuric derivative of at least one of the following alcohols: myristic, cetyl, stearic.

2,254,162
GLASS CUTTING DEVICE
Guy C. Wyman, Chatham, N. J., assignor to Landon P. Smith, Inc., Irvington, N. J., a corporation of New Jersey
Application August 23, 1940, Serial No. 353,832
2 Claims. (Cl. 49—52)



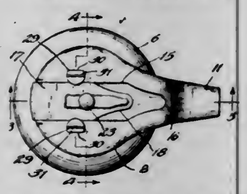
2. A glass cutter of the class described comprising in combination, a head member rectangular in cross section having a stem extending from one face thereof and provided with a cutter wheel slot and transversely disposed axle slots extending into the face of said member opposite said first mentioned face and adjacent one corner of said member, an axle in said slots having a wheel thereon positioned in the cutter wheel slot, a clip member pivoted at one end to a face of said head intermediate the two first mentioned faces and adjacent another corner thereof for swinging movements between closed and open positions on an axis parallel to that of the axle in said axle slot and having a part overlying the second mentioned face and another part overlying the first mentioned corner and the face adjacent to and at right angles to the second mentioned face forming said corner when said clip member is in closed position, the part of the clip overlying the second mentioned face being provided with a slot for receiving the periphery of said cutter wheel, and means for releasably securing said clip in closed position associated with the clip and head members, including a notch provided in that said face of the head member which is adjacent to and at right angles to the second-mentioned face and a projection provided on said other part of the clip member receivable in said notch.

2,254,163
SHAPER CROSSRAIL LUBRICATING SYSTEM
William F. Zimmermann, Maplewood, N. J., assignor to Gould & Eberhardt, Newark, N. J., a corporation of New Jersey
Application November 4, 1939, Serial No. 302,823
6 Claims. (Cl. 184—6)



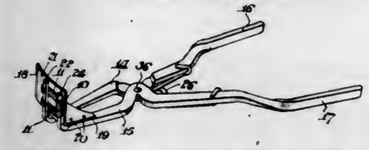
1. A lubricating system for the bearings and ways of relatively movable elements of a machine tool comprising, a main lubricant reservoir in the stationary portion of the machine, an auxiliary reservoir carried by the movable element of the machine and situated at a point more elevated than the main reservoir, a pump adjacent said main reservoir and connections therefrom to said auxiliary reservoir on the movable member including a flexible bi-tubular member, one tube of said flexible member being connected to the discharge side of the pump and also with the auxiliary reservoir, and the other tube of the member being connected to establish an open communication between said two reservoirs so as to circulate the excess of lubricant supplied to the more elevated auxiliary reservoir back to said main reservoir by gravity, at least one of said tubes being mounted to move endwise relative to the other on bending and being provided with a hook portion which extends beyond and overlies the intake end of the said other tube to restrain the endwise movable tube against falling below said intake end; and a system of oil conduits communicating with said auxiliary reservoir and with the bearing surfaces between said relatively movable elements for feeding lubricating material thereto.

2,254,164
SERVER OR PITCHER
Rudolph Bernhardt, Chicago, Ill.
Application August 25, 1939, Serial No. 291,823
1 Claim. (Cl. 65—31)



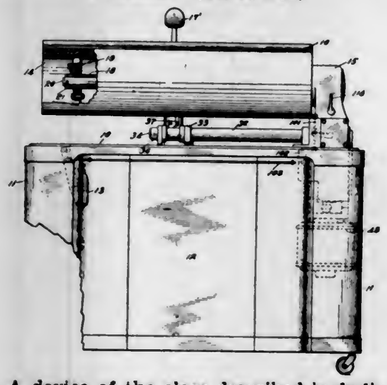
A container having a cap portion with a handle projecting at one side thereof and a pouring spout positioned on the side opposite from the handle, a guideway in the upper surface of the cap, a closure blade slidably mounted in the guideway and having a projection extending into a channel provided therefor in the cap, a spring interposed between the projection and one end of the channel for moving the blade to closing position, a thumb-piece on the blade and buttons rotatably mounted on the cap and engaging with the blade to hold the same in the guideway when the buttons are turned to holding position and to release the same when turned to releasing position.

2,254,165
BINDING TOOL
Clarence Earl Brooks, Norristown, Pa., assignor to The Philadelphia Bindery, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application January 8, 1941, Serial No. 373,581
8 Claims. (Cl. 11—1)



1. Apparatus for assembling a plurality of punched sheets with a resilient tubular binder comprising lever members, means for pivotally connecting said members intermediate their ends, laterally disposed binder engaging end portions on said lever members, and a curved supporting plate member adjacent said end portions, said plate member being curved about the axis at the pivotal connecting means for said lever members.

2,254,166
IRONER
John A. Castricone, Peoria, Ill.
Application March 16, 1936, Serial No. 69,007
4 Claims. (Cl. 38—61)

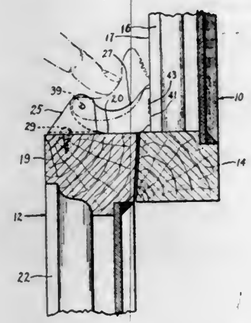


1. A device of the class described including in combination a table support, an ironing roll supported above the table, a cooperative ironing shoe supported adjacent the roll, power mechanism operating the roll and shoe including a motor with a vertically disposed shaft, an upright worm driven thereby, a worm gear meshing the worm, a housing supporting said mechanism, a sump in the bottom of said housing, oil in the sump and means to transport the oil from the sump to and over said worm and gear comprising an idler gear dipping into the oil and meshing with the worm gear, said idler gear transporting oil from the sump to the worm gear which transports it to a point above said worm, means for collecting the oil from the worm gear to conduct it to and discharge it over the worm whence it gravitates back to the sump.

2,254,167
WINDOW CATCH
Wesley C. Carpenter, Grafton, Ohio, assignor to Frank M. Slough, Cleveland, Ohio
Application October 12, 1938, Serial No. 234,661
5 Claims. (Cl. 292—240)

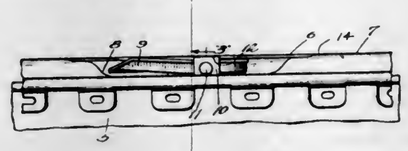
1. A locking mechanism for a window compris-

ing upper outer and lower inner sashes, adapted to restrain more than a predetermined overlapping relative movement of said sashes, comprising a support mounted on the upper horizontal surface of the lower sash, and an elongated latch element of resilient rubber or like material, having a longitudinally extending substantially convex surface, said latch element pivoted by an end thereof on said support for rocking in a substantially vertical plane towards the adjacent vertical surface of said upper sash, the pivoting axis being sufficiently spaced from said lower sash surface, with respect to the thickness of



said element in the direction of rocking, and the length thereof being such that upon such rocking the engagement of said element is preliminarily effected between its free end portion and said upper sash surface, said element adapted to be forced by manual pressure applied to its upper side toward a more horizontal position wherein said element will be downwardly bowed, and the distance between its ends contractingly foreshortened by wedging of the element between the support pivot and said upper sash surface, and with restraining engagement of an intermediate portion of its lower convex surface with an upper surface of the lower sash.

2,254,168
PAIL OR CONTAINER
Colin B. Dale, Oak Park, Ill., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 27, 1938, Serial No. 247,735
5 Claims. (Cl. 221—11)



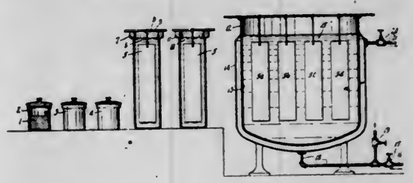
5. A container or the like having a cover, the main portion of which is raised above the top edge or head of the pail and which surrounds an unraised portion adjacent to one side, a spout swiveled in the unraised portion, a support secured to the spout and having a bearing on the unraised portion of the cover, said raised portion having a peripheral bead and the support extending upwardly the same distance as the bead, said bead and support being adapted to engage with a groove in the bottom of a similar pail when the pails are in stacked relation.

2,254,169
SPARK PLUG AND METHOD OF MAKING SAME
John H. Dillon, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 29, 1939, Serial No. 311,482
24 Claims. (Cl. 123—169)



1. An electrical discharge device comprising a pair of opposing electrodes having a gaseous discharge region therebetween, and a member including a chemically uncombined, strongly radioactive metal, said discharge region being embraced by the ionized field of said radioactive metal.

2,254,170
METHOD OF PRODUCING METALS HAVING RADIOACTIVITY
John H. Dillon, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application January 4, 1940, Serial No. 312,441
12 Claims. (Cl. 75—135)

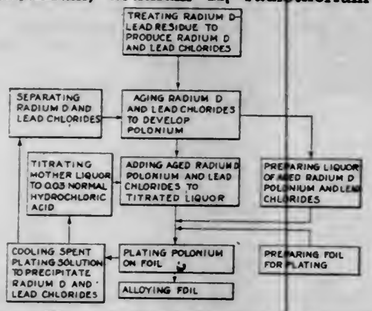


1. A method of separating polonium from a material comprising polonium and radium D, which comprises forming a hot slightly acid solution of material of the above class, immersing a piece of metal in the solution, depositing the polonium on the surface of the metal, cooling the solution to precipitate most of the polonium-depleted material therefrom, separating the precipitate from the mother liquor, aging the precipitate until more polonium is formed, and then dissolving the aged precipitate in the hot mother liquor from a former depositing operation to provide a solution capable of depositing a further quantity of polonium onto a suitable base metal.

2,254,171
RADIOACTIVE ALLOY
John H. Dillon, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 30, 1940, Serial No. 348,390
3 Claims. (Cl. 75—170)

2. A radioactive alloy composed of from one billionth (0.000000001) per cent to one one-hundredth (0.01) per cent of a strongly ionizing radioactive metal of the group consisting of polo-

nium, radium, ionium, uranium II, protoactinium, radioactinium, actinium X, radiothorium and



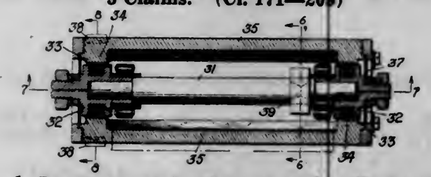
thorium X, and the balance substantially all nickel.

2,254,172
VIBRATION MEASURING APPARATUS

Charles S. Draper, Boston, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

Application May 18, 1937, Serial No. 143,269

5 Claims. (Cl. 171—209)



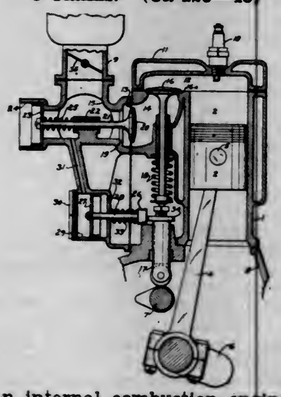
1. In an apparatus for measuring fluctuating mechanical strains in a body such as an engine cylinder head, magnet means having a knife edge for fixedly engaging the body, said magnet means providing an airgap, a resiliently supported armature movable within said airgap and also provided with a knife edge for engaging said body, a coil carried by said armature, means for holding said knife edges down upon the body, the fluctuating mechanical strains in the body between said knife edges producing relative motion between said magnet means and said armature, to thereby induce potentials in said armature coil responsive to said fluctuating strains.

2,254,173
INTERNAL COMBUSTION ENGINE

George R. Ericson, Kirkwood, Mo.

Application December 5, 1940, Serial No. 368,642

5 Claims. (Cl. 123—48)



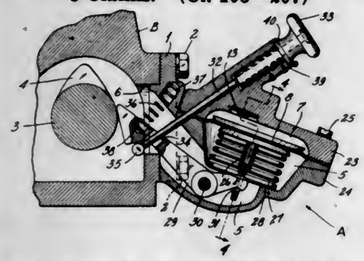
1. In an internal combustion engine, a combustion chamber, an inlet to said chamber, an intake conduit leading to said inlet, a pair of intake valves arranged in series either of said valves being capable of controlling said inlet, one of said valves being engine operated and the other of said valves being flow responsive, and means for rendering said engine operated valve inoperative under conditions of comparatively high pressure in said intake conduit.

2,254,174
FUEL PUMP

Herbert C. Edwards, Massillon, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application June 13, 1938, Serial No. 213,323

5 Claims. (Cl. 103—207)



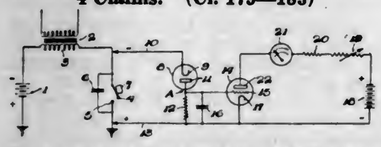
1. In a pump, a casing having a chamber, a diaphragm forming a deformable wall of said chamber, and having a stem with a transverse opening, a coil compression spring surrounding said stem between said diaphragm and a seat provided therefor in said casing for moving said diaphragm in one direction, mechanically operated means for moving said diaphragm in the other direction comprising a lever mounted in said casing for oscillatory movement on an axis disposed transversely of said stem with one arm loosely engaging the opening therein, a rotary cam engaging the other arm of said lever for swinging the same in a direction that will move said diaphragm against the pressure of said spring, a member reciprocable in said casing transversely of said lever axis with its outer end located exteriorly thereof for manual operation, the inner end portion of said member extending loosely through an opening provided therefor in said other arm of said lever and terminating in a head larger than said opening, and a spring mounted in said casing for urging said other arm in the direction of the head at the inner end of said member.

2,254,175
CAM ANGLE TESTER

George V. Eltgroth, Chicago, Ill., assignor to Bendix Radio Corporation, Baltimore, Md., a corporation of Delaware

Application December 2, 1938, Serial No. 243,490

4 Claims. (Cl. 175—183)



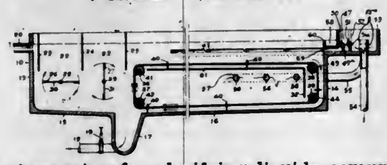
1. In apparatus for testing periodic switches, a direct current power source connected with said switch, means for producing alternating current transients across said switch upon the opening thereof, means for developing a negative control potential proportional to the peak values of said transients, a space discharge relay having a control element, means for impressing said negative potential on said control element, and means for indicating current flow through said space discharge relay.

2,254,176
LIQUID CLARIFICATION APPARATUS

Anthony J. Fischer, Flushing, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Original application December 15, 1937, Serial No. 179,814, now Patent No. 2,233,448, dated March 4, 1941. Divided and this application April 6, 1940, Serial No. 328,294

7 Claims. (Cl. 210—3)



1. Apparatus for clarifying liquids comprising a tank having in horizontal sequence a flocculation zone and a sedimentation zone in hydraulic communication with each other, influent means for incoming feed to the flocculation zone, bladed agitating means operable in repetitive paths in the flocculation zone at a speed sufficient to effect coagmentation of suspended material into settleable flocs, the floc-laden liquid being adapted to drift with the liquid from the flocculation zone into the sedimentation zone, a horizontal partition in the sedimentation zone representing a settling area which is superposed upon and spaced from the settling area represented by the tank bottom, both said settling areas corresponding to an upper and a lower settling zone respectively, impelling means for moving sediment from said settling areas to a common point of discharge in the tank, a sediment discharge outlet, outlet means comprising an overflow pipe for clarified supernatant liquid from said lower settling zone, outlet means comprising an overflow weir for clarified liquid from said upper settling zone, and a vertical transverse partition dividing the flocculation zone from the sedimentation zone and extending from a point above the liquid level downwardly into the liquid body to a point at least as low as the settling surface of the adjacent end-portion of the horizontal partition, said vertical partition being spaced from said adjacent end portion of the horizontal partition so as to leave an upward passage between them, the lower end of said vertical partition being spaced from the tank bottom so as to leave a horizontal flow passage through which the bulk of the floc-laden liquid flows, the relative arrangement of the partitions in the tank being such as to cause one component portion of said bulk to pass substantially horizontally through the lower settling zone towards said overflow pipe, and another component portion to pass first through said upward passage and then substantially horizontally through said upper settling zone toward said overflow weir.

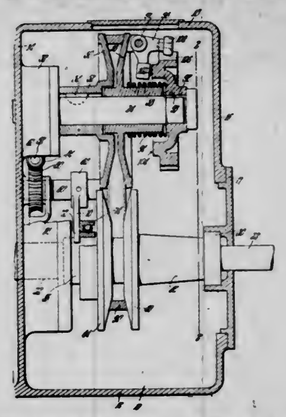
2,254,177
PULLEY CONSTRUCTION

Raymond E. Getchell, Holyoke, Mass., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass., a corporation of Massachusetts

Application July 1, 1940, Serial No. 343,389

3 Claims. (Cl. 74—230.17)

1. The combination with a pair of spaced parallel rotatable shafts of means for driving one shaft from the other comprising, a V pulley on one shaft including a part fixed thereto and an adjacent part movable relative thereto axially on said shaft, a V pulley on the other shaft having a part fixed thereto and an adjacent part movable relative thereto axially and rotatably on said shaft, an endless belt engaging the said pulleys, a cam member having on said other shaft a plurality of cam surfaces and an annular surface disposed transversely to the axis of said shaft, and a plurality of levers pivoted on the movable pulley part on said other shaft each having portions engaging said cam surfaces and said annular surface, all adapted and arranged whereby as the last-named movable pulley part rotates in one direction relative to the fixed pulley part adjacent thereto it is moved towards said fixed pulley part by the action of the levers and cam and annular surfaces engaged thereby.

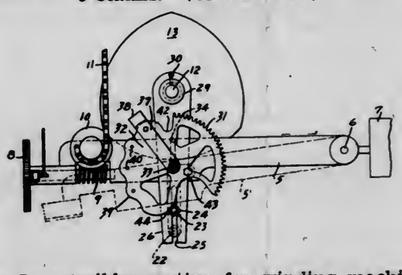


2,254,178
BUNCH BUILDER

Homer H. Holcombe, Columbus, Ga., assignor to Textile Equipment, Inc., a corporation of Alabama

Application January 3, 1939, Serial No. 248,914

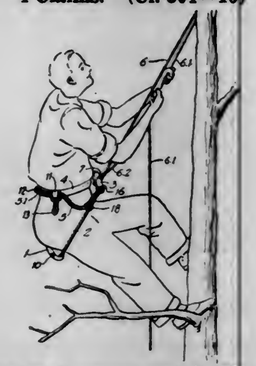
6 Claims. (Cl. 242—43.7)



1. In a builder motion for winding machines comprising a builder cam and a builder rack normally controlled thereby to apply the main service windings, a bunch building mechanism comprising a driving element rotatable with said cam, a driven controller carrying a pivot disposed substantially centrally thereof, a support for said controller having a vertically elongated guide slot for the controller pivot adapted to permit the controller to have free vertical movement bodily, means connected to the builder rack for controlling the angular and bodily movements of said

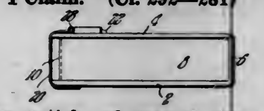
controller to cause it automatically to engage said driving element for a time and automatically to release itself therefrom, said controller when engaged with said driving element being adapted to intercept control of the builder rack by the builder cam and cause the building of a bunch.

2,254,179
SAFETY SEAT
John A. Hoyt, Glenview, Ill., assignor of one-third to John F. Fonder, Evanston, Ill., and one-third to James A. Hoyt, Chicago, Ill.
Application May 23, 1940, Serial No. 336,722
4 Claims. (Cl. 304—16)



1. A safety seat comprising a horizontally elongated spreader, a pair of endless sling loops, each having a portion of its peripheral length extending along and attached at spaced points to said spreader, a belt within and attached to one of said loops, a seat attached within the other said loop, and a suspension cord having a part attached to said spreader and embracing the adjacent parts of both loops of said pair.

2,254,180
FASTENER
Stuart S. Joslyn, Chester, Conn., assignor to Hamilton C. Bates, Chester, Conn.
Application October 31, 1940, Serial No. 363,707
1 Claim. (Cl. 292—281)



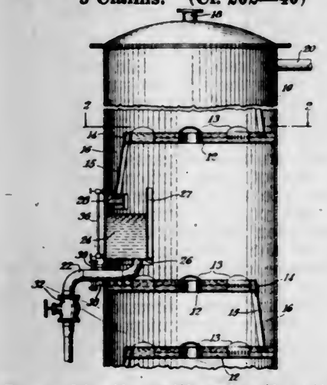
As a new article of manufacture, securing means for removably holding in a predetermined relative position the relatively movable members of a receptacle comprising in combination, a strap having one end portion for fixedly securing to one of said members and an opposite free end portion for overlying a part at least of the other of said members, a staple having spaced side portions for securing to said other member and an intermediate connecting portion for extending above the surface of said other member so as to form therewith a clip-receiving space, and a U-shaped clip formed from a unitary strip of relatively thin metal embracing said free end portion of the strap and having upper and lower parts contiguous with the upper and lower surfaces respectively of said free end portion so that the clip and strap are permanently secured together, the free end of said upper part being bent upwardly at a relatively sharp angle to the plane thereof to provide a surface for abutting the forward side of said staple when the clip is urged inwardly within said space and then curving downwardly to its extremity to provide a surface for engagement by a finger to facilitate inward movement of the clip and strap into said space, the free end of said lower part being offset downwardly from the plane of the lower surface of the free end portion of the strap and being relatively yieldable for yieldingly engaging the surface of said other member when the clip is disposed within said space.

2,254,181
MATERIAL MOVING APPARATUS
Joseph F. Joy, Pittsburgh, Pa., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Original application February 23, 1937, Serial No. 127,019, now Patent No. 2,205,013, dated June 18, 1940. Divided and this application May 8, 1939, Serial No. 272,318
3 Claims. (Cl. 198—126)



1. In a material moving apparatus, a frame composed of a series of alined frame sections detachably connected together to form an elongated unit, said frame sections including end frame sections and one or more intermediate frame sections, detachable means for connecting said frame sections together, conveying means on said frame sections, a motor on one frame section for driving said conveying means, and means driven by said motor independently of any drive by said conveying means for bodily moving said frame into different material moving positions including a feeding device individual to each frame section, said devices all driven by said motor.

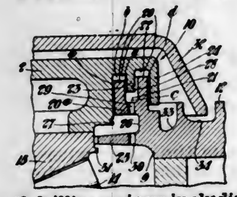
2,254,182
DISTILLATION PROCESS
Wheaton W. Kraft, New York, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application August 12, 1939, Serial No. 289,807
5 Claims. (Cl. 202—40)



5. In combination with a fractionating column having fractionating decks therein and having means to feed a stream of liquid to a lower part of said column to be fractionated and in which the fractionation is accomplished by countercurrent contact of reflux liquid and vapors, the improvement which comprises means to collect all the reflux liquid passing downwardly from one intermediate deck to another above the point

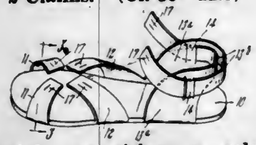
of feed, said collecting means having an opening communicating with the next lower deck, the flow through said opening being proportioned to the head of reflux in said collecting means, means to measure the head of reflux in said collecting means to indicate the rate of flow of reflux to the lower deck, and means to remove a fixed percentage of the feed as a side stream from said reflux collecting means.

2,254,183
TABLE SEAL FOR WELL DRILLING ROTARIES
August R. Maier and John M. Shimer, Dallas, Tex., assignors to Oil Well Supply Company, a corporation of New Jersey
Application September 12, 1940, Serial No. 356,532
9 Claims. (Cl. 255—41)



1. In a well drilling rotary including a rotatable table and a stationary housing, gearing for driving the table, a seal for the table above said gearing and including a peripheral lubricant-slinging lip on the table, said housing having an annular horizontal baffle disposed above the lip for confining the upward flow of lubricant therefrom.

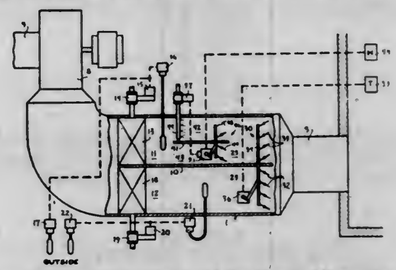
2,254,184
SANDAL
Rudolf F. Mayer, Lynn, Mass.
Application September 30, 1940, Serial No. 358,957
2 Claims. (Cl. 36—11.5)



1. A sandal comprising a sole member equipped with straps, including a pair of opposite, substantially similar ankle-and-heel straps each of which has an ankle portion adapted to be upstanding from said sole member, an intermediate heel portion adapted to span the back of the heel and to afford an adjustable cradle or support for the back of the heel, and a tail portion adapted to be passed forwardly from the back of the heel over the opposite ankle portion of the other ankle-and-heel strap, the ankle portion of each said strap containing a loop through which the tail portion of the opposite strap may be passed and the heel portions of said pair of straps overlapping each other where they span the back of the heel.

2,254,185
AIR CONDITIONING SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 28, 1939, Serial No. 311,388
4 Claims. (Cl. 257—3)

1. In an air conditioning system for a plurality of zones, in combination, first air supply means for providing a supply of relatively warm air, second air supply means for providing a supply of relatively cool air, individual duct means leading from said first and second air supply means to said zones for supplying simultaneously both cool and warm air to said zones, individual flow control means interposed between said first and second air supply means and said individual duct means for controlling the proportions of cool and warm air passed into said individual duct means, said cool and warm air being mixed in said individual duct means to form individual streams of air for said zones which vary in temperature in



accordance with said individual flow control means, individual zone thermostatic means for controlling corresponding flow control means, means for dividing the warm air of said first air supply means into first and second streams prior to mixing in said individual duct means, means for humidifying said first stream, individual damper means for controlling the proportions of said first and second streams entering each individual duct means, and individual moisture responsive devices influenced by the moisture content of the air in said zones for controlling corresponding individual damper means.

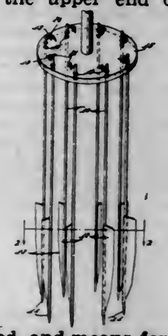
2,254,186
METHOD OF PREPARING 2-AMINOPYRIMIDINE
Elmore Hathaway Northey, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 25, 1941, Serial No. 385,137
15 Claims. (Cl. 260—251)

1. A method of reducing 2-amino-4-chloropyrimidine to 2-aminopyrimidine which comprises treating the material in aqueous dispersion with finely divided metallic zinc under alkaline conditions in the presence of an effective amount of the ammonium ion.

2,254,187
TOOL FOR SEGMENTING CITRUS FRUITS
Ralph Polk, Sr., Miami, and Ralph Polk, Jr., Haines City, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership of Florida
Original application April 13, 1938, Serial No. 201,732. Divided and this application June 7, 1939, Serial No. 277,846
3 Claims. (Cl. 146—3)

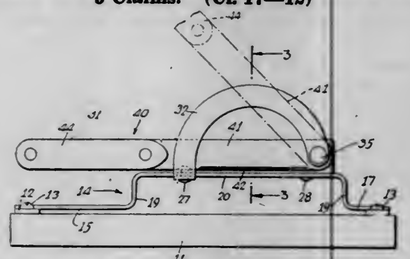
1. A tool for rupturing the natural-bond between one side of a juice-cell group of a fruit of the citrus type and the adherent radial integument, comprising a straight main stem having a tapered tip and a diameter permitting its projection polarwise through the apex of a fruit segment without rupture of the radial integuments, and a longitudinally-tapered thin blade

fixed upon the stem above the tapered tip and substantially tangential to the stem, and a carrier in which the upper end of said stem is



loosely journalled, and means for yieldingly urging said stem rotatively to a limit of rotative movement in one direction in said carrier.

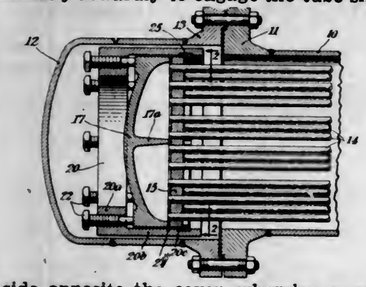
2,254,188
CUTTING OFF MACHINE
William B. Poppenga, Lennox, S. Dak.
Application April 15, 1940, Serial No. 329,753
3 Claims. (Cl. 17—12)



1. A cutting off machine comprising a member having horizontal end portions and a raised intermediate portion, a member fixed to the raised portion and having a vertical wall formed with an upper shearing edge, a guide member having a foot contacting the underside of the raised portion, and fixed thereto, and having a curved vertical wall substantially semi-circular in extent, the outer end of said curved wall being connected to said first vertical wall by a pivot pin, said curved wall being spaced from and parallel to said vertical wall, a cutting element comprising a blade pivoted at one end on said pivot pin, and disposed between the curved wall of said guide and the vertical wall of said member, and having a lower shearing edge adapted to cooperate with the first shearing edge.

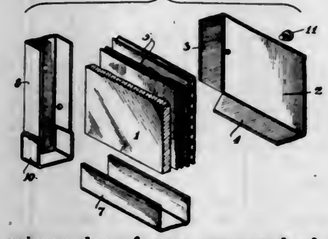
2,254,189
HEAT EXCHANGER
Carl S. Reed, New York, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application March 7, 1940, Serial No. 322,652
1 Claim. (Cl. 257—239)

In a heat exchanger of the class described having a shell, a tube bundle therein including a tube sheet removable through said shell, and a cover for said tube sheet, the combination of means to secure said cover to said tube sheet, said cover being of substantially the same diameter as the tube sheet, said securing means including an independent continuous ring member having a skirt portion embracing the peripheries of the cover and the tube sheet and having an integral flange portion overlying the top of the cover, adjustable members in compression carried by said flange portion and engaging the top of the cover, said skirt portion being substantially cylindrical and relatively thin-walled and extending beyond the tube sheet, said skirt portion having a peripheral channel in the internal wall of the extended portion, and a split ring extending into said recess and detachable therefrom, said split ring projecting radially inwardly to engage the tube sheet on



the side opposite the cover, whereby on adjustment of the adjustable members the split ring will anchor the continuous ring member to the tube sheet to resist the application of pressure on the cover with respect to the tube sheet, the peripheral channel in the continuous ring being inwardly recessed on its edge remote from the tube sheet, and the split ring being inwardly chamfered on the adjacent edge whereby the split ring will be interlocked on its edge remote from the tube sheet with the continuous ring on the application of sealing pressure on the cover.

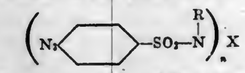
2,254,190
MIRROR DOOR FOR CABINETS
Charles B. Ricken, Brooklyn, N. Y., assignor of one-half to Garry M. Ketcham, Jr., Brooklyn, N. Y.
Application October 6, 1939, Serial No. 298,268
2 Claims. (Cl. 189—36)



1. A mirror door frame composed of opposed pairs of elements each comprising parallel sides connected by a web to engage and enclose respectively the mirror top and bottom and the mirror sides, each of said elements of one pair thereof having said parallel sides equi-distantly spaced the entire length of the elements, and each of said elements of the other pair thereof having the parallel sides equi-distantly spaced a major portion of the entire length of the elements but said sides at each end of the elements expanded to increase the distance between said sides, and an end wall provided at each end of the elements to thereby form end sockets in each of said elements of one pair thereof receiving the ends of the sides and web of said other pair abutting against the base of each socket.

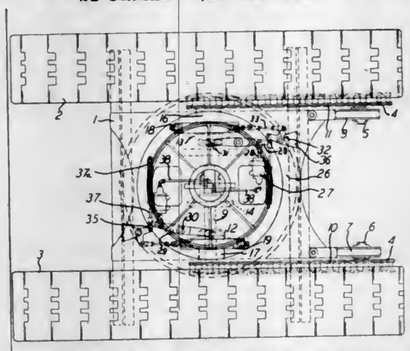
2,254,191
P-AZIDOBENZENE COMPOUNDS
Richard O. Roblin, Jr., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 6, 1940, Serial No. 351,643
10 Claims. (Cl. 260—296)

1. Compounds of the general formula:



in which X is a member of the group consisting of hydrogen, alkyl radicals and metallic ions, R is a member of the group consisting of hydrogen, alkyl, acyl and heterocyclic radicals and *n* is a whole number equal to the valence of X.

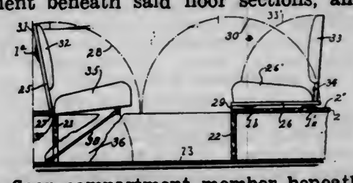
2,254,192
PORTABLE EXCAVATOR
Fred L. White, Marion, Ohio, assignor to The Osgood Company, Marion, Ohio, a corporation of Ohio
Application February 10, 1940, Serial No. 318,332
21 Claims. (Cl. 180—9.2)



1. In a steering mechanism for a traction device, a pair of surface contacting elements, means to drive each of said elements, vertically disposed transmission means for supplying power to said driving means, a platform rotatably supported relative to said vertical means, braking means applied to each of said surface contacting elements, means to actuate said brakes, comprising a pair of fluid pressure actuated motors carried on said device to actuate said brakes, a source of pressure fluid, conduits connecting said source to said motors, a portion of said conduits being centrally disposed of said vertical means, coupling means to hold said portion against torsional strains and mounted for relative rotation of said transmission means, and valve means in a portion of said conduits mounted on said platform adapted to selectively actuate said motors to selectively brake either of said surface contacting elements to thereby steer said traction device.

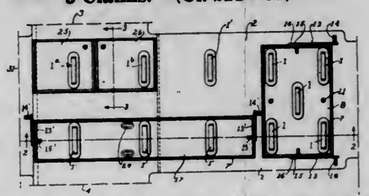
2,254,193
CONVERTIBLE VEHICLE
Nathaniel W. Augustine, Bellefontaine, Ohio, assignor to The A. J. Miller Company, Bellefontaine, Ohio, a corporation of Ohio
Application September 20, 1939, Serial No. 295,797
9 Claims. (Cl. 296—63)

1. In a convertible vehicle of the character described, a pair of hinged floor sections, seats for each of said floor sections, a hinged riser to provide a support for said floor sections when closed, said riser being adapted to be swung downwardly to form a part of the floor of a compartment beneath said floor sections, and an-



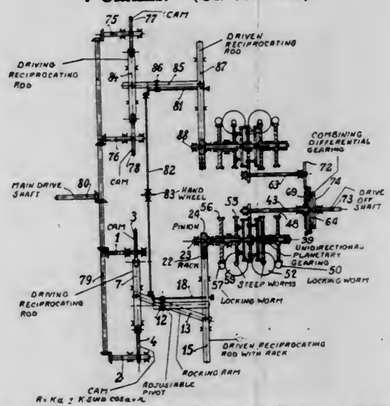
other floor compartment member beneath said hinged floor sections to cooperate with said riser to complete the floor of the compartment.

2,254,194
CONVERTIBLE VEHICLE
Nathaniel W. Augustine, Bellefontaine, Ohio, assignor to The A. J. Miller Company, Bellefontaine, Ohio, a corporation of Ohio
Original application September 20, 1939, Serial No. 295,797. Divided and this application July 24, 1940, Serial No. 347,102
5 Claims. (Cl. 214—84)



1. In a convertible vehicle of the character described, a sectional floor having invertible sections and at least one stationary section, means for inverting each of said invertible floor sections to position either one or the other side of each invertible section at substantially the floor level and flush with each other and with the stationary part of the floor, and at least one casket roller carried at one side of each of said invertible sections.

2,254,195
STEPLESS MECHANICAL TORQUE CONVERTER
Paul Cicin, Vienna, Germany
Application August 23, 1939, Serial No. 291,602
In Germany September 5, 1938
7 Claims. (Cl. 74—119)

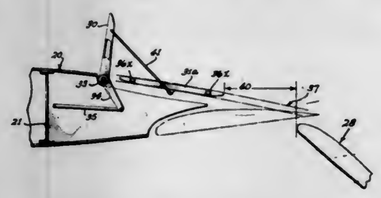


1. In a stepless mechanical torque converter for converting original uniform rotary motion of a given speed into consequent uniform rotary motion of a different speed, a rotary drive element carrying said original uniform rotary mo-

tion, linear converting means comprising a pair of units connected for and adapted to convert said original rotary motion of said rotary drive element into two independent linear reciprocating movements whose instantaneous linear speeds are respectively proportional to the sine square and cosine square of the polar angle of rotation of said rotary drive element relative to a fixed reference radius about the axis of said rotary drive element, means for varying the amplitudes of each of said linear movements, and terminal rotatable means connected and adapted for converting and combining said linear movements to produce resultant uniform rotating movement of desired speed.

2,254,196
AILERON
Harlan D. Fowler, San Diego, Calif.
Application August 13, 1940, Serial No. 352,385
10 Claims. (Cl. 244—90)

1. An airfoil including a cambered wing comprising a main portion and a trailing portion, a rearwardly extensible flap adapted to be faired under the trailing portion, the said trailing portion including the combination of a slidable plate and a hinged aileron forward of said plate at

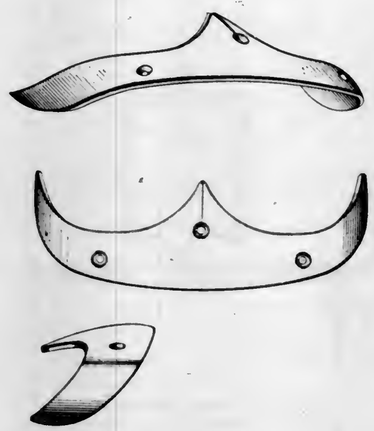


opposed outer portions of the wing, means connecting each plate to the corresponding aileron, and control means to deflect either aileron upwardly and move the corresponding plate forwardly.

DESIGNS

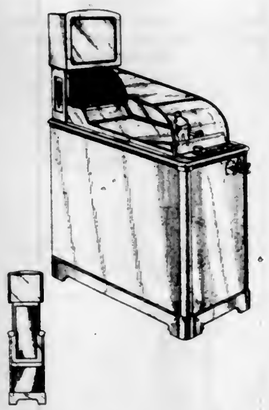
AUGUST 26, 1941

129,102
DESIGN FOR A MOTORCYCLE FENDER GUARD
Charles A. Comiskey, Chicago, Ill.
Application May 22, 1941, Serial No. 101,081
Term of patent 14 years



The ornamental design for a motorcycle fender guard, as shown.

129,103
DESIGN FOR A GAME APPARATUS
David Gottlieb, Oak Park, Ill., assignor to D. Gottlieb & Co., Chicago, Ill., a corporation of Illinois
Application February 19, 1940, Serial No. 90,359
Term of patent 3½ years



The ornamental design for a game apparatus, as shown.

129,104
DESIGN FOR A GEOGRAPHIC AMUSEMENT GAME DEVICE
Michael W. Kutscher, Chicago, Ill.
Application April 9, 1941, Serial No. 100,253
Term of patent 14 years



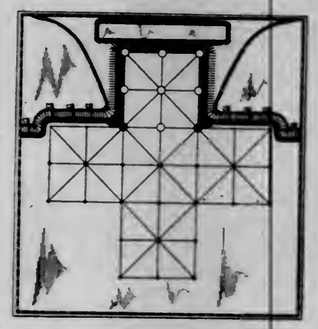
The ornamental design for a geographic amusement game device, as shown.

129,105
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Incorporated, Philadelphia, Pa.
Application July 16, 1941, Serial No. 102,192
Term of patent 3½ years



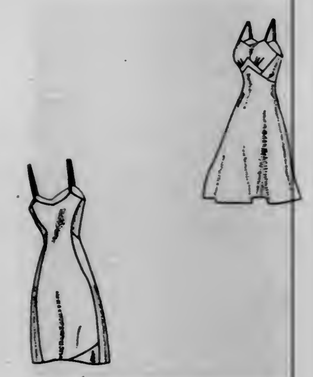
The ornamental design for a lace tablecloth, substantially as shown and described.

129,106
DESIGN FOR A GAME BOARD
Julius Sears, Dearborn, Mich.
Application April 30, 1941, Serial No. 100,712
Term of patent 7 years



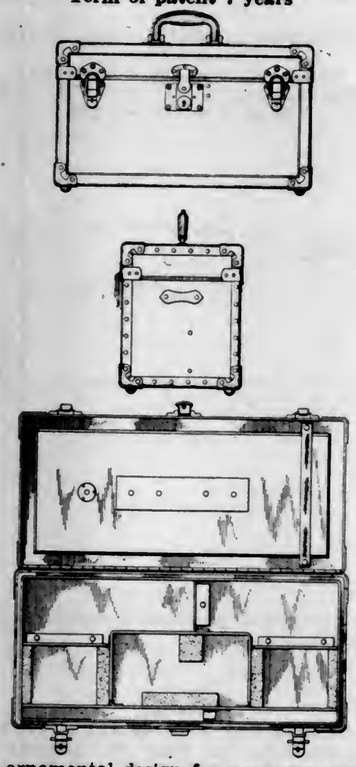
The ornamental design for a game board, substantially as shown.

129,107
DESIGN FOR A SLIP
Emil Samek, New Rochelle, N. Y., assignor to Tailored Silk Undergarment Co. Inc., New York, N. Y.
Application May 17, 1941, Serial No. 100,998
Term of patent 14 years



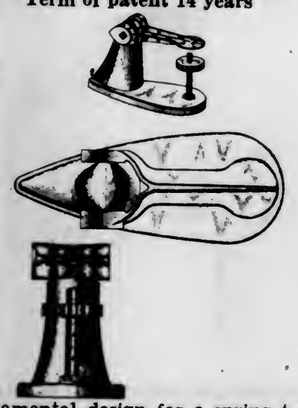
The ornamental design for a slip, as shown.

129,108
DESIGN FOR A CAMERA CARRYING CASE
Joseph A. Sprague, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application April 30, 1941, Serial No. 100,712
Term of patent 7 years



The ornamental design for a camera carrying case, substantially as shown.

129,109
DESIGN FOR A SPRING TESTER OR SIMILAR ARTICLE
Paul A. Sturtevant, Addison, Ill.
Application March 14, 1941, Serial No. 99,594
Term of patent 14 years



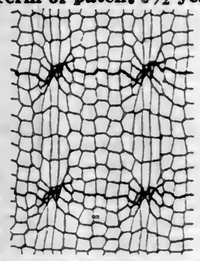
The ornamental design for a spring tester or similar article, substantially as shown.

129,110
DESIGN FOR A TOY BALLOON OR SIMILAR ARTICLE
David B. van Dam, Brooklyn, N. Y.
Application May 20, 1941, Serial No. 101,031
Term of patent 3½ years



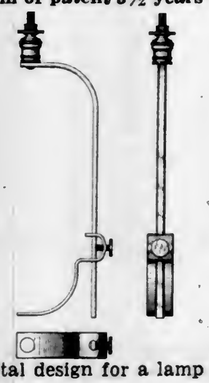
The ornamental design for a toy balloon or similar article, substantially as shown and described.

129,111
DESIGN FOR A VEILING OR SIMILAR ARTICLE
Louis Young, New York, N. Y., assignor to Young's Textile Mills, Inc., New York, N. Y., a corporation of New York
Application March 21, 1941, Serial No. 99,764
Term of patent 3½ years



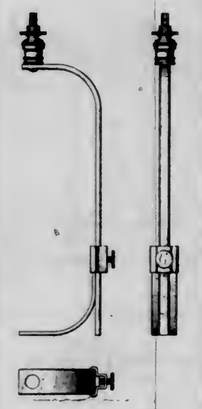
The ornamental design for a veiling or similar article, as shown.

129,112
DESIGN FOR A LAMP SHADE SUPPORT
Robert Beardsley and James P. Martin, Wilmette, Ill.
Application April 28, 1941, Serial No. 100,644
Term of patent 3½ years



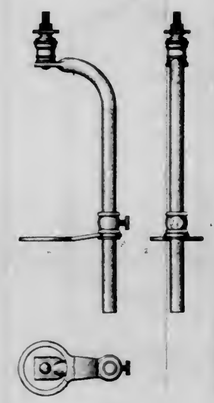
The ornamental design for a lamp shade support, as shown.

129,113
DESIGN FOR A LAMP SHADE SUPPORT
Robert Beardsley and James P. Martin, Wilmette, Ill.
Application April 28, 1941, Serial No. 100,645
Term of patent 3½ years



The ornamental design for a lamp shade support, as shown.

129,114
DESIGN FOR A LAMP SHADE SUPPORT
Robert Beardsley and James P. Martin, Wilmette, Ill.
Application April 28, 1941, Serial No. 100,646
Term of patent 3½ years



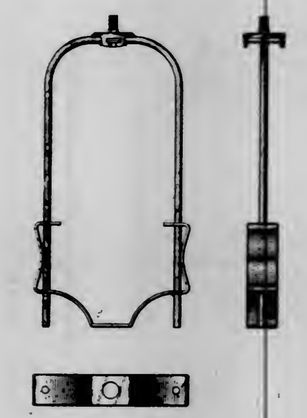
The ornamental design for a lamp shade support, as shown.

129,115
DESIGN FOR A LAMP SHADE SUPPORT
Robert Beardsley and James P. Martin, Wilmette, Ill.
Application April 28, 1941, Serial No. 100,647
Term of patent 3½ years



The ornamental design for a lamp shade support, as shown.

129,116
DESIGN FOR A LAMP SHADE SUPPORT
Robert Beardsley and James P. Martin, Wilmette, Ill.
Application April 28, 1941, Serial No. 100,648
Term of patent 3½ years



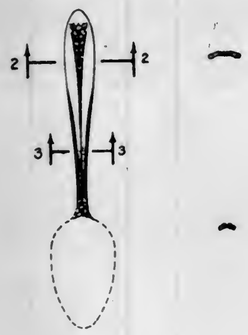
The ornamental design for a lamp shade support, as shown.

129,117
DESIGN FOR A LAMP SHADE SUPPORT
Robert Beardsley and James P. Martin, Wilmette, Ill.
Application April 28, 1941, Serial No. 100,649
Term of patent 3½ years



The ornamental design for a lamp shade support, as shown.

129,118
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Marwood A. Downs, Muncie, Ind., assignor to Ontario Manufacturing Company, Muncie, Ind., a corporation
Application July 5, 1941, Serial No. 101,917
Term of patent 14 years



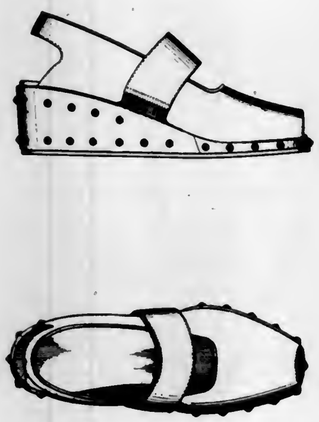
The ornamental design for a spoon or other article of flatware, substantially as shown.

129,119
DESIGN FOR A SPECTACLE FRAME
Harris King Halikman, Lynn, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 9, 1940, Serial No. 97,181
Term of patent 14 years



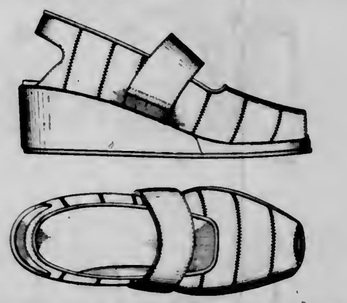
The ornamental design for a spectacle frame, substantially as shown and described.

129,120
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Faie Joyce, Pasadena, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation
Application June 18, 1941, Serial No. 101,513
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown.

129,121
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Faie Joyce, Pasadena, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation
Application June 18, 1941, Serial No. 101,515
Term of patent 3½ years



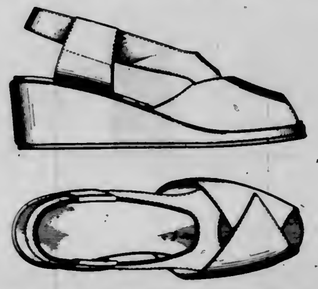
The ornamental design for a shoe or similar article, as shown.

129,122
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Faie Joyce, Pasadena, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation
Application June 18, 1941, Serial No. 101,516
Term of patent 3½ years



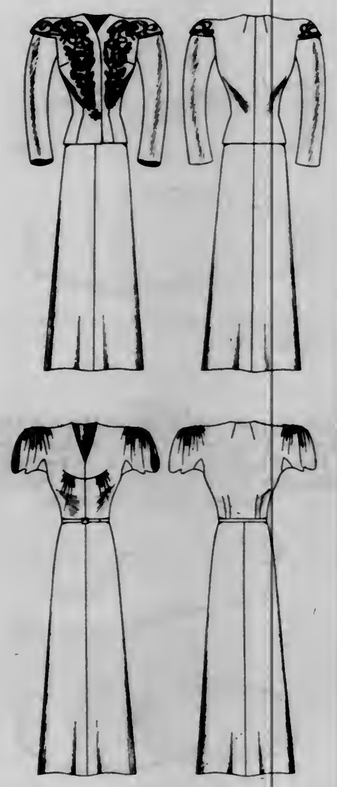
The ornamental design for a shoe or similar article, as shown.

129,123
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Faie Joyce, Pasadena, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation
Application June 18, 1941, Serial No. 101,517
Term of patent 3½ years



The ornamental design for a shoe or similar article, as shown.

129,124
DESIGN FOR A DRESS ENSEMBLE
Stella Brownie Kaufman, New York, N. Y.
Application July 22, 1941, Serial No. 102,341
Term of patent 3½ years



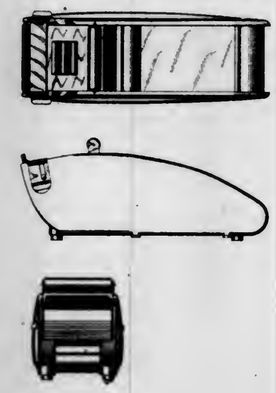
The ornamental design for a dress ensemble, substantially as shown and described.

129,125
DESIGN FOR A BADGE
Hal W. Kenaston, Baltimore, Md.
Application May 23, 1941, Serial No. 101,109
Term of patent 7 years



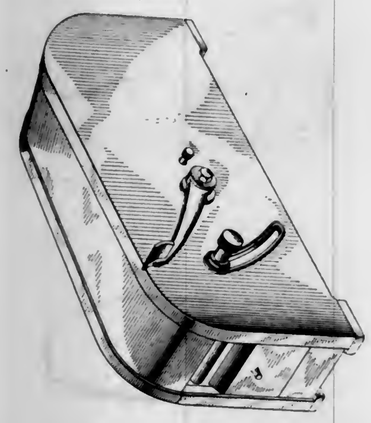
The ornamental design for a badge as shown.

129,126
DESIGN FOR A TAPE SERVING MACHINE
Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, a corporation of New York
Application January 29, 1941, Serial No. 98,494
Term of patent 14 years



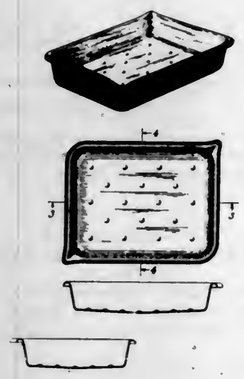
The ornamental design for a tape serving machine, as shown.

129,127
DESIGN FOR A TAPE SERVING MACHINE
Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, a corporation of New York
Application January 29, 1941, Serial No. 98,495
Term of patent 14 years



The ornamental design for a tape serving machine, substantially as shown and described.

129,128
DESIGN FOR A PHOTOGRAPHIC DEVELOPING TRAY OR ARTICLE OF SIMILAR NATURE
Walter B. Moore, Coshocton, Ohio
Application September 7, 1940, Serial No. 94,838
Term of patent 14 years



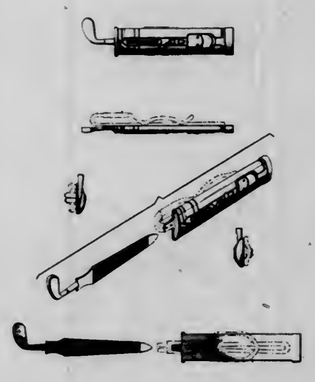
The ornamental design for a photographic developing tray or article of similar nature, substantially as shown.

129,129
DESIGN FOR A DRESS
Natalie Renke, New York, N. Y.
Application July 31, 1941, Serial No. 102,587
Term of patent 3½ years



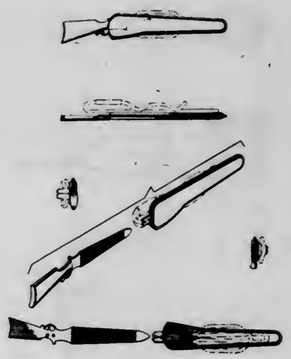
The ornamental design for a dress, substantially as shown.

129,130
DESIGN FOR A COMBINED TIE CLIP AND NAIL FILE
Dean H. Reynolds, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application January 29, 1941, Serial No. 98,511
Term of patent 3½ years



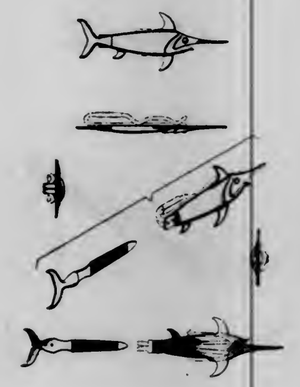
The ornamental design for a combined tie clip and nail file, substantially as shown and described.

129,131
DESIGN FOR A COMBINED TIE CLIP AND NAIL FILE
Dean H. Reynolds, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application January 29, 1941, Serial No. 98,512
Term of patent 3½ years



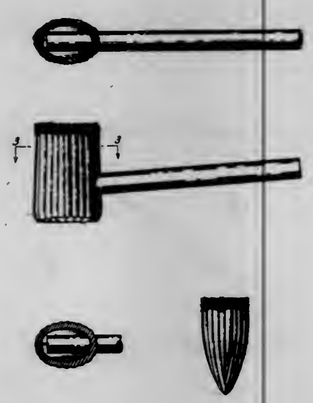
The ornamental design for a combined tie clip and nail file, substantially as shown and described.

129,132
DESIGN FOR A COMBINED TIE CLIP AND NAIL FILE
Dean H. Reynolds, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application January 29, 1941, Serial No. 98,513
Term of patent 3½ years



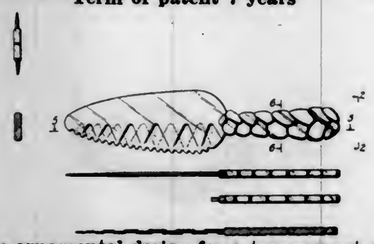
The ornamental design for a combined tie clip and nail file, substantially as shown and described.

129,133
DESIGN FOR A CONFECTION
Edward L. Schoettle, Cincinnati, Ohio, assignor to The John Mueller Licorice Company, Cincinnati, Ohio, a corporation of Ohio
Application May 9, 1941, Serial No. 100,881
Term of patent 7 years



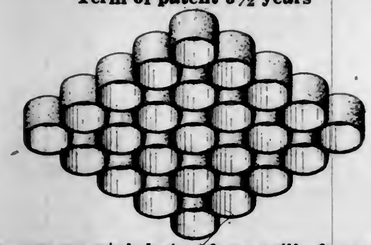
The ornamental design for a confection, as shown.

129,134
DESIGN FOR A TRANSPARENT PLASTIC KNIFE
Herbert R. Talbot, Ridgewood, N. J., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application June 11, 1941, Serial No. 101,394
Term of patent 7 years



The ornamental design for a transparent plastic knife, substantially as shown and described.

129,135
DESIGN FOR A GRILLE FOR A LIGHTING FIXTURE
Norman H. Vacha, Cleveland Heights, Ohio
Application October 26, 1940, Serial No. 96,106
Term of patent 3½ years



The ornamental design for a grille for a lighting fixture, as shown.

129,136
DESIGN FOR A DISPLAY BOX
Lewis Douglas Young, Providence, R. I., assignor to Douglas Young, Inc., a corporation of Rhode Island
Application May 22, 1941, Serial No. 101,089
Term of patent 14 years



The ornamental design for a display box, substantially as shown and described.

129,137
DESIGN FOR AN INDOOR GOLF APPARATUS
David S. Baker, New York, N. Y., assignor to Josiah White, 4th, Atlantic City, N. J.
Application August 3, 1940, Serial No. 94,445
Term of patent 3½ years



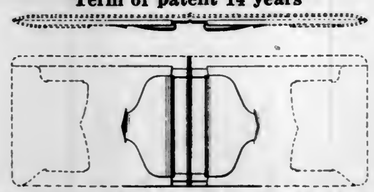
The ornamental design for an indoor golf apparatus, as shown.

129,138
DESIGN FOR A DRESS ENSEMBLE
Frank C. Brogan, Larchmont, N. Y.
Application July 24, 1941, Serial No. 102,408
Term of patent 3½ years



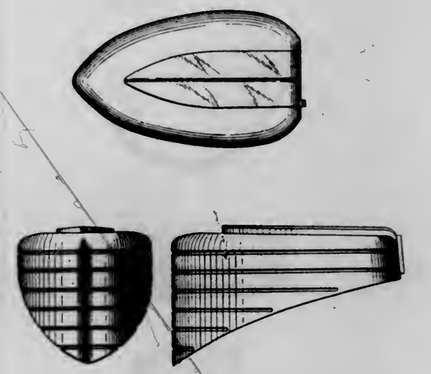
The ornamental design for a dress ensemble, substantially as shown.

129,139
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.; Mabel Allen Buxton, executrix of said Warner R. Buxton, deceased
Application May 29, 1940. Serial No. 92,680
Term of patent 14 years



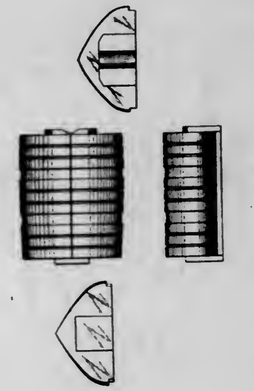
The ornamental design for a flexible pocket receptacle, substantially as shown and described.

129,140
DESIGN FOR A LAMP LENS
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 19, 1940, Serial No. 97,435
Term of patent 7 years



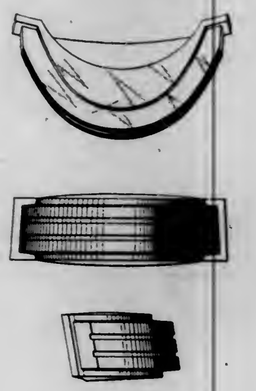
The ornamental design for a lamp lens, substantially as shown.

129,141
DESIGN FOR A LAMP LENS
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 19, 1940, Serial No. 97,436
Term of patent 7 years



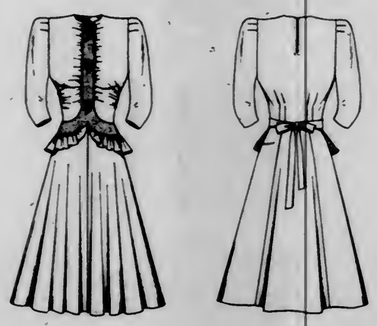
The ornamental design for a lamp lens, substantially as shown.

129,142
DESIGN FOR A LAMP LENS
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 19, 1940, Serial No. 97,445
Term of patent 7 years



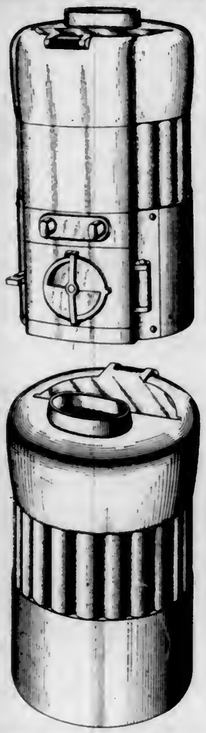
The ornamental design for a lamp lens, substantially as shown.

129,143
DESIGN FOR A DRESS
Camille Charles, New York, N. Y.
Application July 24, 1941, Serial No. 102,442
Term of patent 3½ years



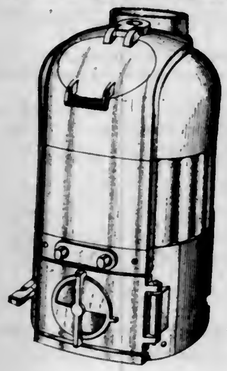
The ornamental design for a dress, substantially as shown.

129,144
DESIGN FOR A WATER HEATER
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application June 21, 1941, Serial No. 101,594
Term of patent 14 years



The ornamental design for a water heater, substantially as shown.

129,145
DESIGN FOR A WATER HEATER
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application June 21, 1941, Serial No. 101,595
Term of patent 14 years



129,145—Continued



The ornamental design for a water heater, substantially as shown.

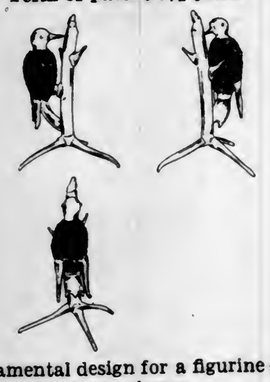
129,146
DESIGN FOR A SCOOP
Russel Dunlap, Detroit, Mich.
Application March 4, 1940, Serial No. 90,654
Term of patent 7 years





The ornamental design for a scoop, substantially as shown.

129,147
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
John Herbst, New York, N. Y.
Application July 12, 1941, Serial No. 102,067
Term of patent 3½ years



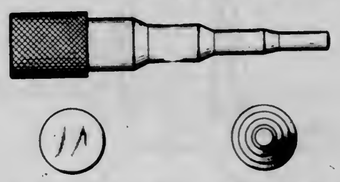
The ornamental design for a figurine or similar article, substantially as shown.

129,148
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
John Herbst, New York, N. Y.
Application July 19, 1941, Serial No. 102,261
Term of patent 3½ years



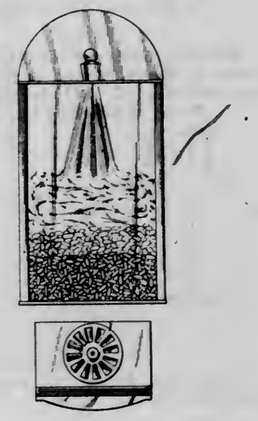
The ornamental design for a figurine or similar article, substantially as shown.

129,149
DESIGN FOR A SWAGING TOOL
Llewellyn P. Jones, Philadelphia, Pa.
Application March 19, 1941, Serial No. 99,715
Term of patent 7 years

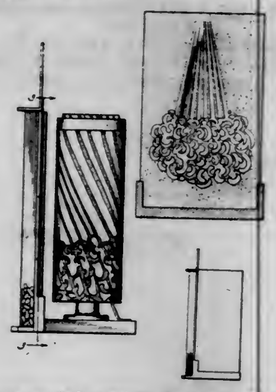


The ornamental design for a swaging tool, as shown.

129,150
DESIGN FOR AN ANIMATED DISPLAY DEVICE
Aubrey B. Leech, Los Angeles, Calif.
Application November 27, 1940, Serial No. 96,872
Term of patent 3½ years

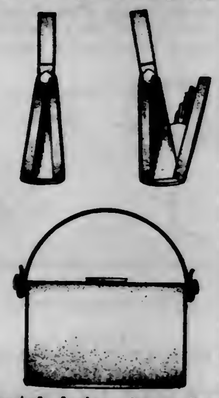


129,150—Continued



The ornamental design for an animated display device, as shown and described.

129,151
DESIGN FOR A HANDBAG
Florence N. Lewis, New York, N. Y.
Application May 15, 1941, Serial No. 100,942
Term of patent 7 years



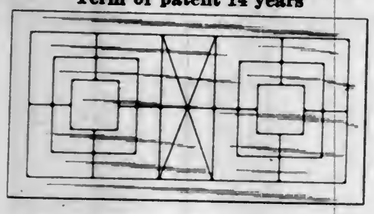
The ornamental design for a handbag, substantially as shown and described.

129,152
DESIGN FOR A COAT LINING
Louis A. Siegel, Mount Vernon, N. Y.
Application May 13, 1941, Serial No. 100,921
Term of patent 14 years



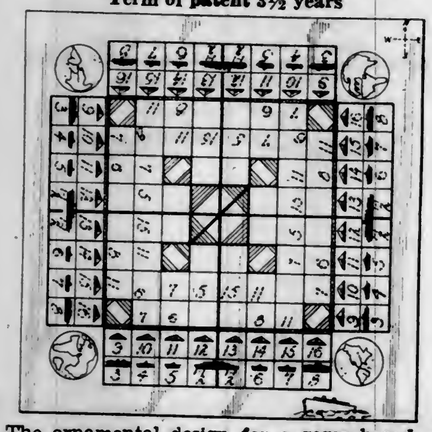
The ornamental design for a coat lining, as shown and described.

129,153
DESIGN FOR A GAME BOARD
William C. Steindel, Moscow, Pa.
Application June 24, 1941, Serial No. 101,653
Term of patent 14 years



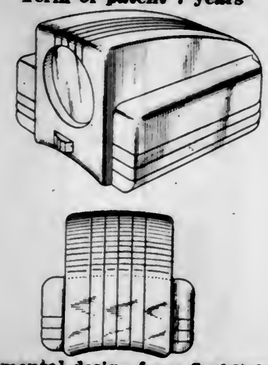
The ornamental design for a game board, as shown.

129,154
DESIGN FOR A GAME BOARD
George Weller, Jr., Cincinnati, Ohio
Application April 10, 1940, Serial No. 91,583
Term of patent 3½ years



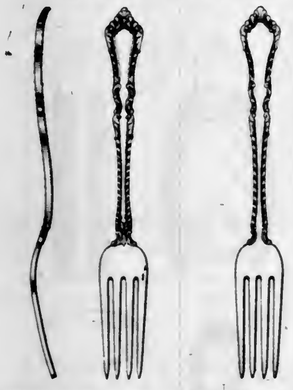
The ornamental design for a game board, as shown and described.

129,155
DESIGN FOR A FLASHLIGHT OR SIMILAR ARTICLE
Lynn Brodton, Collingswood, N. J.
Application April 28, 1941, Serial No. 100,664
Term of patent 7 years



The ornamental design for a flashlight or similar article, as shown.

129,156
DESIGN FOR A FORK OR SIMILAR ARTICLE
William T. Brown, Attleboro, Mass., assignor to The Watson Company, Attleboro, Mass., a corporation of Massachusetts
Application May 26, 1941, Serial No. 101,159
Term of patent 14 years



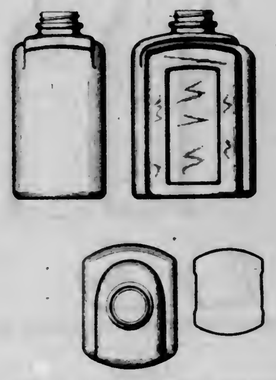
The ornamental design for a fork or similar article, as shown.

129,157
DESIGN FOR A CHAIR
Carl W. Burst, Richmond Heights, Mo.
Application October 12, 1940, Serial No. 95,800
Term of patent 3½ years



The ornamental design for a chair, as shown.

129,158
DESIGN FOR A BOTTLE
Hildreth Lange Dexter, New York, N. Y., assignor to R. H. Macy & Co. Inc., New York, N. Y., a corporation of New York
Application January 25, 1941, Serial No. 98,383
Term of patent 3½ years



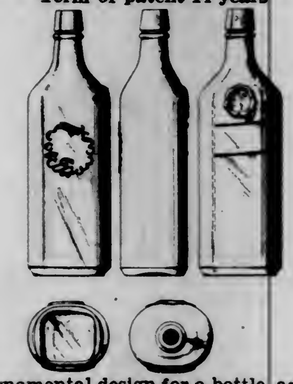
The ornamental design for a bottle, as shown and described.

129,159
DESIGN FOR A LEAD PENCIL OR SIMILAR ARTICLE
Henry Dreyfuss, New York, N. Y., assignor to Eversharp, Inc., Chicago, Ill., a corporation of Delaware
Application June 30, 1941, Serial No. 101,814
Term of patent 14 years



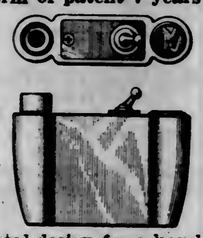
The ornamental design for a lead pencil or similar article, substantially as shown.

129,160
DESIGN FOR A BOTTLE
Ernest L. Du Pree, Chappaqua, N. Y., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware
Application May 14, 1941, Serial No. 100,935
Term of patent 14 years



The ornamental design for a bottle, as shown.

129,161
DESIGN FOR A HAND SWITCH
Jack P. Fischer, Westchester County, N. Y., assignor to J. P. Fischer Inc., New York, N. Y.
Application May 31, 1941, Serial No. 101,238
Term of patent 7 years



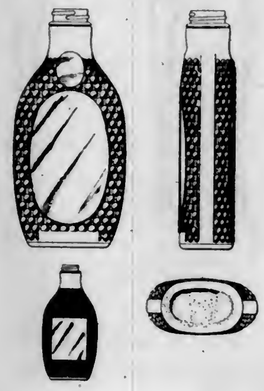
The ornamental design for a hand switch, substantially as shown.

129,162
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
David Fischman, Great Neck, N. Y.
Application June 12, 1941, Serial No. 101,420
Term of patent 7 years



The ornamental design for a bottle or similar article, substantially as shown.

129,163
DESIGN FOR A BOTTLE
Brooks D. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 9, 1941, Serial No. 97,920
Term of patent 14 years



The ornamental design for a bottle, substantially as shown and described.

129,164
DESIGN FOR A PIN CLIP
Norman Bel Geddes, New York, N. Y.
Application July 22, 1941, Serial No. 102,350
Term of patent 3½ years



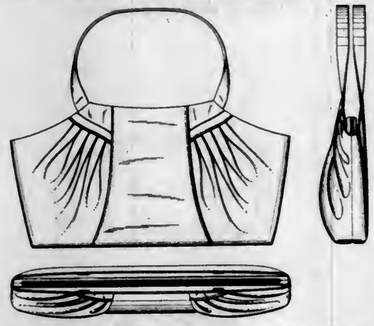
The ornamental design for a pin clip, substantially as shown.

129,165
DESIGN FOR A PIN CLIP
Norman Bel Geddes, New York, N. Y.
Application July 22, 1941, Serial No. 102,351
Term of patent 3½ years



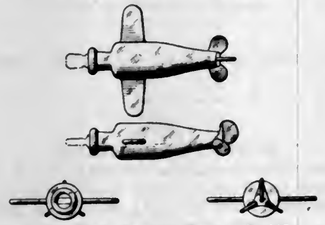
The ornamental design for a pin clip, substantially as shown.

129,166
DESIGN FOR A HANDBAG
Samuel R. Goldsmith, New York, N. Y.
Application July 31, 1941, Serial No. 102,608
Term of patent 3½ years



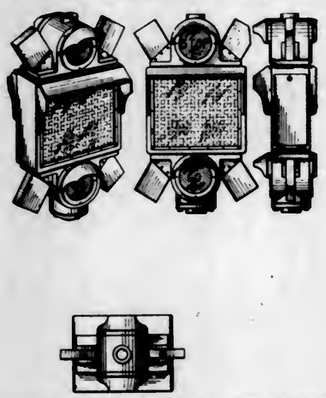
The ornamental design for a handbag, substantially as shown.

129,167
DESIGN FOR A BOTTLE
George Grunberg, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio, a corporation of Ohio
Application June 24, 1941, Serial No. 101,652
Term of patent 7 years



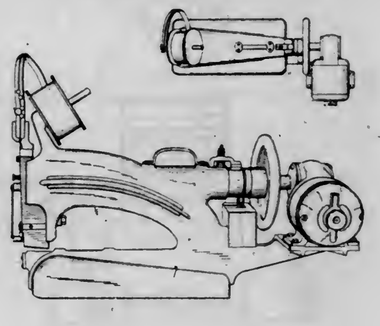
The ornamental design for a bottle, substantially as shown.

129,168
DESIGN FOR A SIGN
Martin Hauser, Kansas City, Kans.
Application March 28, 1941, Serial No. 99,945
Term of patent 14 years



The ornamental design for a sign, substantially as shown.

129,169
DESIGN FOR A PORTABLE STITCHER
Roy G. Hoffert, Racine, Wis., assignor to Hoffert Machine Company, Inc., a corporation of Wisconsin
Application March 4, 1940, Serial No. 90,672
Term of patent 7 years



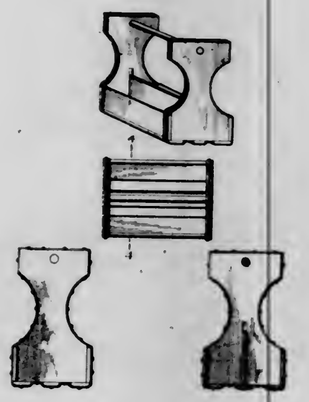
The ornamental design for a portable stitcher, as shown.

129,170
DESIGN FOR A DRESS
Lucy Hoshaflan, New York, N. Y.
Application July 12, 1941, Serial No. 102,084
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

129,171
DESIGN FOR A BOTTLE CARRIER
Edward W. Hutchings, Perry, Fla.
Application June 6, 1941, Serial No. 101,332
Term of patent 14 years



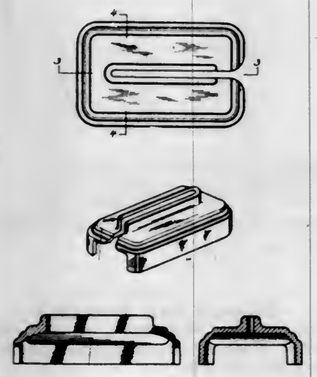
The ornamental design for a bottle carrier, as shown.

129,172
DESIGN FOR A BOTTLE
Charles A. Lasley, Los Angeles, Calif., assignor to Beverages of America, Inc., Los Angeles, Calif., a corporation of California
Application March 29, 1941, Serial No. 99,997
Term of patent 14 years



The ornamental design for a bottle, as shown.

129,173
DESIGN FOR A MATCH HOLDER
Nathan Levin, Trenton, N. J., assignor of one-half to Ralph M. Peitzman, Trenton, N. J.
Application January 23, 1941, Serial No. 98,299
Term of patent 14 years



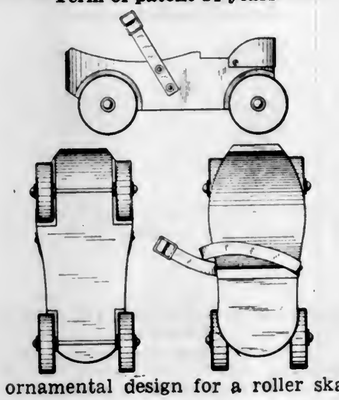
The ornamental design for a match holder, as shown.

129,174
DESIGN FOR A DRESS
Charlotte Steiner Lubow, Woodmere, N. Y., assignor to Gross-Sydney, New York, N. Y.
Application June 12, 1941, Serial No. No. 101,416
Term of patent 3½ years



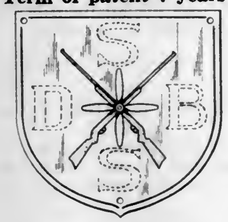
The ornamental design for a dress, as shown.

129,175
DESIGN FOR A ROLLER SKATE
Edward Gerstell McCandlish, Geneva, N. Y.
Application April 23, 1941, Serial No. 100,576
Term of patent 14 years



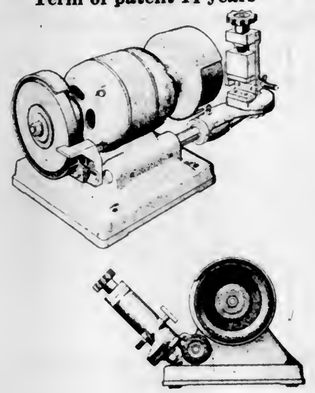
The ornamental design for a roller skate, as shown.

129,176
DESIGN FOR AN AUTOMOBILE EMBLEM PLATE OR SIMILAR ARTICLE
Mary D. McCormick, Haverhill, Mass.
Application April 10, 1941, Serial No. 100,305
Term of patent 7 years

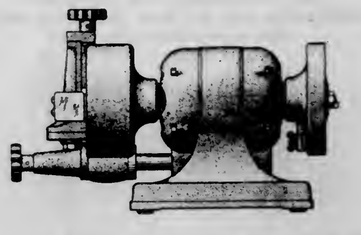


The ornamental design for an automobile emblem plate or similar article, as shown.

129,177
DESIGN FOR A TOOL GRINDING MACHINE
Robert B. Pealer, Garrettsville, Ohio, assignor to Beaver Pipe Tools, Inc., Warren, Ohio, a corporation of Ohio
Application April 14, 1941, Serial No. 100,364
Term of patent 14 years



129,177—Continued



The ornamental design for a tool grinding machine, substantially as shown and described.

129,178
DESIGN FOR A KNITTED SWEATER
Morris Philip, New York, N. Y.
Application May 9, 1941, Serial No. 100,870
Term of patent 3½ years



The ornamental design for a knitted sweater, substantially as shown and described.

129,179
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,352
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,180
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,353
Term of patent 3½ years



The ornamental design for a pin clip, substantially as shown.

129,181
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,354
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,182
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,355
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,183
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,356
Term of patent 3½ years



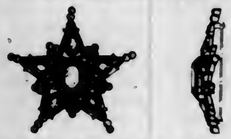
The ornamental design for a brooch or similar article, substantially as shown.

129,184
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,357
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,185
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,358
Term of patent 3½ years



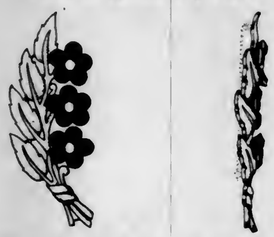
The ornamental design for a brooch or similar article, substantially as shown.

129,186
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,359
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,187
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,360
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,188
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,361
Term of patent 3½ years



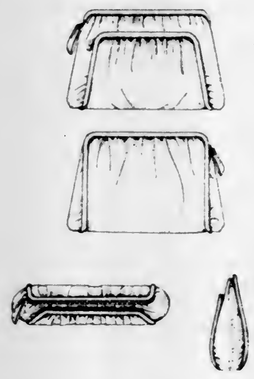
The ornamental design for a brooch or similar article, substantially as shown.

129,189
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, New York, N. Y.
Application July 22, 1941, Serial No. 102,362
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

129,190
DESIGN FOR A HANDBAG
Irving Pichel, New York, N. Y.
Application July 9, 1941, Serial No. 101,983
Term of patent 3½ years



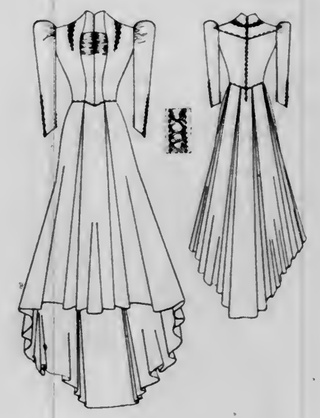
The ornamental design for a handbag, substantially as shown.

129,191
DESIGN FOR A SUIT
Samuel Salsky, Brooklyn, N. Y.
Application June 21, 1941, Serial No. 101,585
Term of patent 3½ years



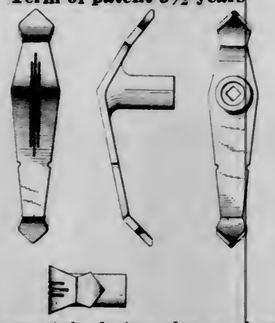
The ornamental design for a suit, substantially as shown and described.

129,192
DESIGN FOR A WEDDING GOWN
Jack Scharlott, New York, N. Y.
Application June 24, 1941, Serial No. 101,646
Term of patent 3½ years



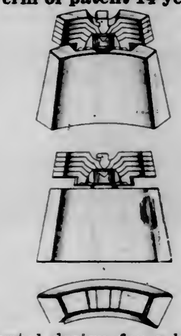
The ornamental design for a wedding gown, substantially as shown.

129,193
DESIGN FOR A HOUSE DOOR HANDLE
Charles Stulken, Oklahoma City, Okla.
Application March 2, 1940, Serial No. 90,646
Term of patent 3½ years



The ornamental design for a house door handle, as shown.

129,194
DESIGN FOR A BOTTLE
Albert R. Tobias, Brooklyn, N. Y., assignor to Parfums Ciro, Inc., New York, N. Y., a corporation of Delaware
Application March 15, 1941, Serial No. 99,636
Term of patent 14 years



The ornamental design for a bottle, as shown.

129,195
DESIGN FOR A CHENILLE ROBE
Irving Weiser, New York, N. Y.
Application June 6, 1941, Serial No. 101,330
Term of patent 3½ years



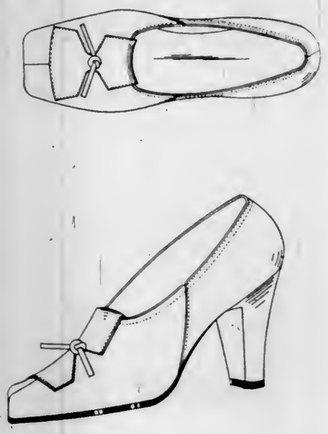
The ornamental design for a chenille robe, substantially as shown and described.

129,196
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application July 9, 1941, Serial No. 101,990
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

129,197
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application July 9, 1941, Serial No. 101,991
Term of patent 3½ years



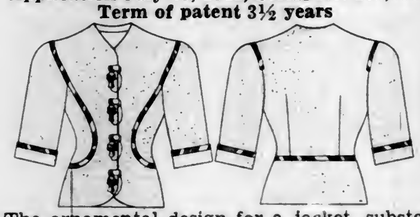
The ornamental design for a shoe or similar article, substantially as shown.

129,198
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Newton Elkin, Philadelphia, Pa.
Application July 9, 1941, Serial No. 101,993
Term of patent 3½ years



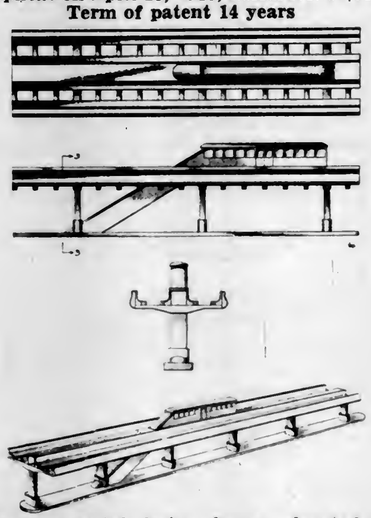
The ornamental design for a shoe or similar article, substantially as shown.

129,199
DESIGN FOR A JACKET
Samuel Grossman, Chicago, Ill.
Application July 29, 1941, Serial No. 102,533
Term of patent 3½ years



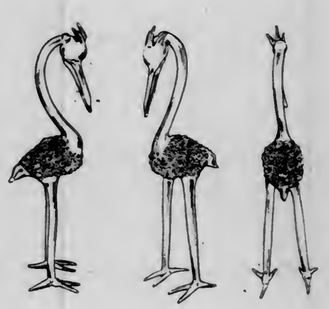
The ornamental design for a jacket, substantially as shown.

129,200
DESIGN FOR AN ELEVATED RAILWAY STATION UNIT
John O. Heinze, Detroit, Mich.
Application April 13, 1940, Serial No. 91,648
Term of patent 14 years



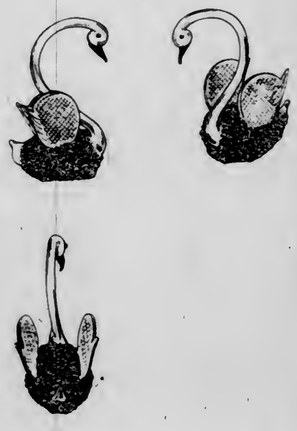
The ornamental design for an elevated railway station unit, as shown.

129,201
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
John Herbst, New York, N. Y.
Application July 12, 1941, Serial No. 102,065
Term of patent 3½ years



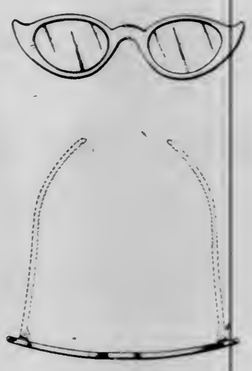
The ornamental design for a figurine or similar article, substantially as shown.

129,202
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
John Herbst, New York, N. Y.
Application July 19, 1941, Serial No. 102,259
Term of patent 3½ years



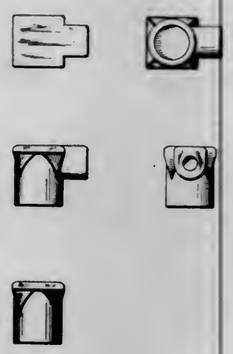
The ornamental design for a figurine or similar article, substantially as shown.

129,203
DESIGN FOR A PAIR OF SUNGLASSES
William Huppert, New York, N. Y., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application December 6, 1940, Serial No. 97,113
Term of patent 7 years



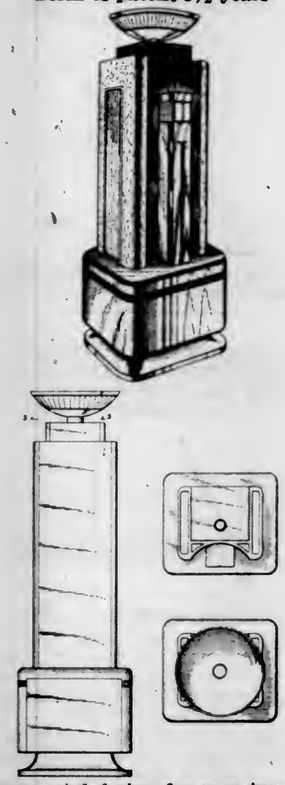
The ornamental design for a pair of sunglasses, substantially as shown and described.

129,204
DESIGN FOR A BATTERY CONNECTOR TERMINAL
Wilbur J. Padgett, New Lexington, Ohio
Application March 27, 1941, Serial No. 99,932
Term of patent 7 years



The ornamental design for a battery connector terminal, as shown.

129,205
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,747
Term of patent 3½ years



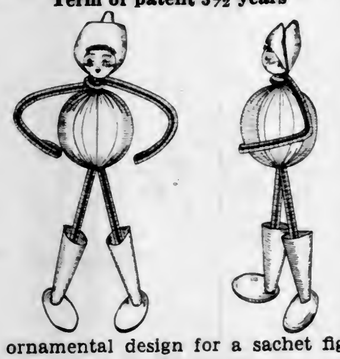
The ornamental design for a casing for sound apparatus, substantially as shown.

129,206
DESIGN FOR A SLIPPER
Francis J. Shields, Bombay, N. Y.
Application June 4, 1941, Serial No. 101,289
Term of patent 3½ years



The ornamental design for a slipper, as shown and described.

129,207
DESIGN FOR A SACHET FIGURINE
Ilse Van Arlt, Chicago, Ill.
Application January 6, 1941, Serial No. 97,826
Term of patent 3½ years



The ornamental design for a sachet figurine, as shown.

129,208
DESIGN FOR A SACHET FIGURINE
Ilse Van Arlt, Chicago, Ill.
Application January 6, 1941, Serial No. 97,827
Term of patent 3½ years



The ornamental design for a sachet figurine, as shown.

129,209
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application August 9, 1941, Serial No. 102,760
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,210
DESIGN FOR A DRESS
Israel Buchholz, New York, N. Y.
Application August 9, 1941, Serial No. 102,761
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,211
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application August 9, 1941, Serial No. 102,755
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,212
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application August 9, 1941, Serial No. 102,756
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,213
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application August 9, 1941, Serial No. 102,758
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,214
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application August 9, 1941, Serial No. 102,759
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,215
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application July 31, 1941, Serial No. 102,582
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,216
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application July 31, 1941, Serial No. 102,583
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,217
DESIGN FOR A COAT
Edward Minkoff, New York, N. Y.
Application July 8, 1941, Serial No. 101,954
Term of patent 3½ years



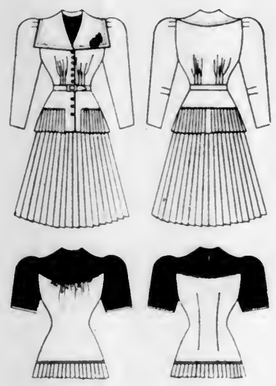
The ornamental design for a coat, substantially as shown.

129,218
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application August 5, 1941, Serial No. 102,682
Term of patent 3½ years



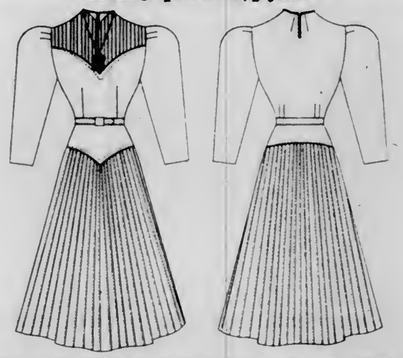
The ornamental design for a dress, substantially as shown.

129,219
DESIGN FOR A DRESS ENSEMBLE
Emelia Wener, Chicago, Ill.
Application August 8, 1941, Serial No. 102,729
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,220
DESIGN FOR A DRESS
Minna Wuerth, New York, N. Y.
Application August 2, 1941, Serial No. 102,640
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,221
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application August 9, 1941, Serial No. 102,763
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,222
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application August 9, 1941, Serial No. 102,753
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,223
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application August 9, 1941, Serial No. 102,754
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,224
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application August 9, 1941, Serial No. 102,757
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,225
DESIGN FOR A DRESS ENSEMBLE
George Constantine, New York, N. Y.
Application August 2, 1941, Serial No. 102,632
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,226
DESIGN FOR A DRESS
Sadie Elmo, New York, N. Y.
Application August 9, 1941, Serial No. 102,749
Term of patent 3½ years



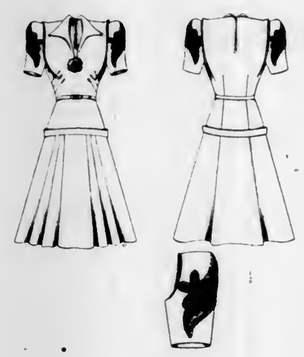
The ornamental design for a dress, substantially as shown.

129,227
DESIGN FOR A DRESS
Sadie Elmo, New York, N. Y.
Application August 9, 1941, Serial No. 102,750
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,228
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application July 19, 1941, Serial No. 102,265
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

129,229
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application July 19, 1941, Serial No. 102,266
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

129,230
DESIGN FOR A DRESS ENSEMBLE
Winifred Hermann, Chicago, Ill.
Application August 8, 1941, Serial No. 102,727
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,231
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application August 2, 1941, Serial No. 102,642
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

129,232
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application August 8, 1941, Serial No. 102,730
Term of patent 3½ years



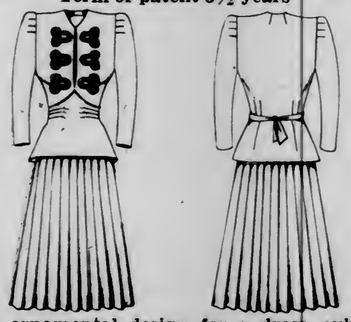
The ornamental design for a dress, substantially as shown.

129,233
DESIGN FOR A DRESS
Lucy Hoshafian, New York, N. Y.
Application August 8, 1941. Serial No. 102,731
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,234
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application August 9, 1941, Serial No. 102,751
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,235
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application August 9, 1941, Serial No. 102,752
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,236
DESIGN FOR A PACKAGED SKIRT
Carmen Larison, Phoenix, Ariz.
Application January 30, 1941, Serial No. 98,552
Term of patent 7 years



The ornamental design for a packaged skirt, as shown and described.

129,237
DESIGN FOR A DRESS
Charlotte Steiner Lubow, Woodmere, N. Y.
Application August 4, 1941, Serial No. 102,672
Term of patent 3½ years



The ornamental design for a dress, as shown.

129,238
DESIGN FOR A DRESS
Marie Pono, New York, N. Y.
Application August 9, 1941. Serial No. 102,748
Term of patent 3½ years



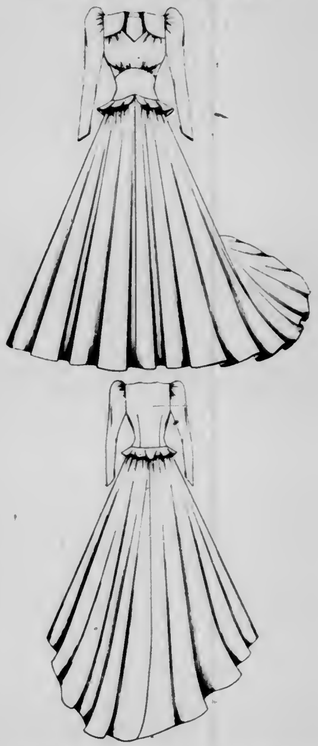
The ornamental design for a dress, substantially as shown.

129,239
DESIGN FOR A DRESS
Nat Shapiro, New York, N. Y.
Application July 31, 1941, Serial No. 102,578
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,240
DESIGN FOR A DRESS
Murray J. Shapiro, New York, N. Y.
Application July 31, 1941, Serial No. 102,579
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,241
DESIGN FOR A DRESS
Murray J. Shapiro, New York, N. Y.
Application July 31, 1941, Serial No. 102,580
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,242
DESIGN FOR A DRESS
Murray J. Shapiro, New York, N. Y.
Application July 31, 1941, Serial No. 102,581
Term of patent 3½ years



129,242—Continued



The ornamental design for a dress, substantially as shown.

129,243
DESIGN FOR A DRESS
Ruth Sternberg, New York, N. Y.
Application August 2, 1941, Serial No. 102,638
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,244
DESIGN FOR A DRESS
Mary E. Tetreault, New York, N. Y.
Application August 6, 1941, Serial No. 102,701
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,245
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application August 5, 1941, Serial No. 102,683
Term of patent 3½ years



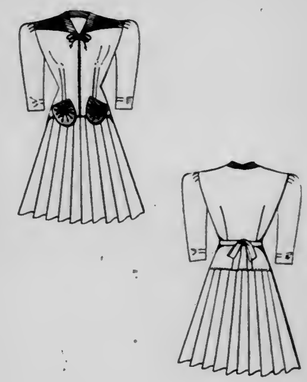
The ornamental design for a dress, substantially as shown.

129,246
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application August 5, 1941, Serial No. 102,684
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,247
DESIGN FOR A DRESS
Albert B. Weinberg, Merrick, N. Y.
Application August 1, 1941, Serial No. 102,613
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,248
DESIGN FOR A DRESS
Emelia Wener, Chicago, Ill.
Application August 8, 1941, Serial No. 102,728
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

129,249
DESIGN FOR A DRESS
Minna Wuerth, New York, N. Y.
Application August 2, 1941, Serial No. 102,639
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

129,250
DESIGN FOR A DRESS
Minna Wuerth, Elizabeth, N. J.
Application August 5, 1941, Serial No. 102,689
Term of patent 3½ years



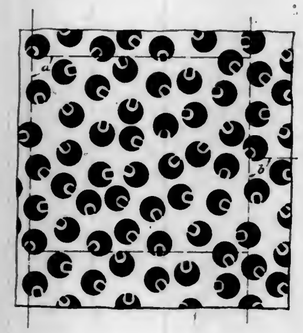
The ornamental design for a dress, substantially as shown.

129,251
DESIGN FOR A DRESS
Samuel Zahn, New York, N. Y.
Application August 9, 1941, Serial No. 102,762
Term of patent 3½ years



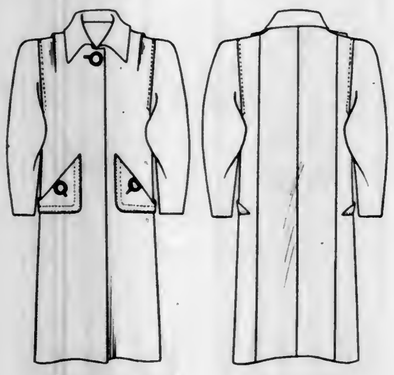
The ornamental design for a dress, substantially as shown.

129,252
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Arnold Zavell, New York, N. Y.
Application August 5, 1941, Serial No. 102,681
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown and described.

129,253
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application July 29, 1941, Serial No. 102,536
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

ROLL NO I

OFFICIAL GAZETTE

UNITED STATES PATENT OFFICE

JULY & AUGUST

1941

VOLS. 528 & 529

MICRO-PHOTO SERVICE
BUREAU
CLEVELAND 3, OHIO